



2021 G20 Rome Summit Final Compliance Report

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**Feedback, as always, is welcome and is kept anonymous.
We encourage readers to send comments to
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14. Health: One Health

“We will integrate the implementation of a One Health approach in relevant policies and decision-making processes.”

G20 Rome Leaders’ Declaration

Assessment

	No Compliance	Partial Compliance	Full Compliance
Argentina			+1
Australia			+1
Brazil			+1
Canada			+1
China			+1
France			+1
Germany			+1
India			+1
Indonesia			+1
Italy			+1
Japan			+1
Korea			+1
Mexico		0	
Russia		0	
Saudi Arabia		0	
South Africa			+1
Turkey		0	
United Kingdom			+1
United States			+1
European Union			+1
Average		+0.80 (90%)	

Background

On 1 December 2021, the Food and Agriculture Organization of the United Nations (FAO), the World Organisation for Animal Health (OIE), the World Health Organization (WHO) and the United Nations Environment Programme (UNEP) adopted the definition of One Health as proposed by the One Health High Level Expert Panel (OHHLEP) to be an interdisciplinary concept that “recognizes the health of humans, domestic and wild animals, plants, and the wider environment (including ecosystems) are closely linked and inter-dependent.”³⁶³⁰ While One Health has only explicitly been on the G20 agenda since 2017, it has shaped multilateral discourse on health for far longer, especially under Sustainable Development Goal 3 (SDG3) which promotes Health Systems and Funding.³⁶³¹ The G20 has highlighted the importance of safeguarding against health crises and strengthening health systems ever since the 2014 Ebola outbreak in West Africa.³⁶³² To achieve the goal of combating health

³⁶³⁰ Tripartite and UNEP Support OHHLEP’s Definition of “One Health”, WHO (Geneva) 1 December 2021. Access Date: 4 December 2021. <https://www.who.int/news/item/01-12-2021-tripartite-and-unesp-support-ohhlepe-s-definition-of-one-health>

³⁶³¹ Hamburg Update: Taking Forward the G20 Action Plan on the 2030 Agenda for Sustainable Development, G20 Information Centre (Toronto) 8 July 2017. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2017/2017-g20-hamburg-update.html>

³⁶³² G20 Leaders’ Brisbane Statement on Ebola, G20 Information Centre (Toronto) 15 November 2021. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2014/2014-1115-ebola.html>

risks from the human-animal-environment interface and pursuing the fight against antimicrobial resistance (AMR), the G20 supports the work of international organisations like the Tripartite (FAO, OIE, WHO) and UNEP.³⁶³³

The 2009 Pittsburgh Summit marked the first time that the G20 highlighted the “responsibility to invest in people by providing...health care” in their agenda for pursuing sustainable economic activity.³⁶³⁴ In light of the financial crisis of 2008, this summit established health as a “critical core spending” area and “fundamental” to the functioning of a prosperous economy.

At the 2010 Toronto Summit, G20 leaders committed to “strengthen social safety nets” by investing in “public health care and pension plans.”³⁶³⁵ This move would build upon “The Framework for Strong, Sustainable and Balanced Growth” that had been established at the 2009 Pittsburgh Summit and support the growth of emerging economies.³⁶³⁶

At the 2013 St. Petersburg Summit, G20 leaders pledged to “improve rapid and effective responses to the outbreak of new diseases that threaten human life and disrupt economic activity” as part of the commitment towards “Promoting Development For All.”³⁶³⁷ To support this goal, G20 members advocated the need for countries to strengthen compliance with the WHO’s International Health Regulations (IHR).

The 2014 Brisbane Summit was significant for the G20’s pledge to fight AMR, in response to the Ebola outbreak in Guinea, Liberia and Sierra Leone. In the G20 Leaders’ Brisbane Statement on Ebola, they agreed to mobilise resources to strengthen global emergency response systems in combating outbreaks of infectious diseases. Underscoring the importance of international cooperation in implementing global health standards as enshrined in the IHR, G20 members also promised to “work through bilateral, regional and multilateral channels, and in partnership with non-governmental stakeholders.”³⁶³⁸ Improving workplace health and safety was also highlighted as a priority at this summit.³⁶³⁹

At the 2016 Hangzhou Summit, G20 leaders decided to further research efforts in their fight against AMR by developing “ways to prevent and mitigate resistance, and unlock research and development into new and existing antimicrobials from a G20 value-added perspective.”³⁶⁴⁰ As G20 members called on the WHO, FAO, OIE, and OECD to report back in 2017 with the findings, this move represents

³⁶³³ G20 Leaders’ Declaration, G20 Information Centre (Toronto) 6 September 2013. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2013/2013-0906-declaration.html>; G20 Leaders’ Communiqué: Hangzhou Summit, G20 Information Centre (Toronto) 5 September 2016. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2016/160905-communiqué.html>

<http://www.g20.utoronto.ca/2016/160905-communiqué.html>

³⁶³⁴ G20 Leaders Statement: The Pittsburgh Summit, G20 Information Centre (Toronto) 24-25 September 2009. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2009/2009communiqué0925.html>

³⁶³⁵ The G20 Toronto Summit Declaration, G20 Information Centre (Toronto) 27 June 2010. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2010/to-communiqué.html>

³⁶³⁶ The G20 Toronto Summit Declaration, G20 Information Centre (Toronto) 27 June 2010. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2010/to-communiqué.html>

³⁶³⁷ G20 Leaders’ Declaration, G20 Information Centre (Toronto) 6 September 2013. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2013/2013-0906-declaration.html>

³⁶³⁸ G20 Leaders’ Brisbane Statement on Ebola, G20 Information Centre (Toronto) 15 November 2021. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2014/2014-1115-ebola.html>

³⁶³⁹ G20 Leaders’ Communiqué, G20 Information Centre (Toronto) 16 November 2021. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2014/2014-1116-communiqué.html>

³⁶⁴⁰ G20 Leaders’ Communiqué: Hangzhou Summit, G20 Information Centre (Toronto) 5 September 2016. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2016/160905-communiqué.html>

a situation where the G20 recognised an emerging global threat but left it as an actionable agenda item for future summits.

The 2017 Hamburg Summit marks the first time that the G20 recognised the importance of implementing the “One Health approach” to tackle the spread of AMR in humans, animals, and the environment.³⁶⁴¹ Taking the issue forward, G20 members promised to advocate for “the prudent use of antibiotics in all sectors” and “strengthen public awareness on the issue of antimicrobials in the environment.”³⁶⁴² Moreover, in the G20 Action Plan on Marine Litter, G20 members addressed the link between reducing marine litter to “preserve human health and marine and coastal ecosystems”; this plan reflected the increasing importance of environmental challenges and their effect on human health.³⁶⁴³ Thus, this summit gave a platform to the “One Health approach” and emphasised the interconnectedness of all three health components in furthering SDG3.

At the 2018 Buenos Aires Summit, G20 leaders promoted the work of the WHO and other international actors in developing an action plan to aid the implementation of health-related aspects of SDGs by 2030.³⁶⁴⁴ While not explicitly mentioning the One Health approach, this commitment shows that international support for advances in health was on the G20 agenda.

At the 2019 Osaka Summit, G20 leaders acknowledged the UN Secretary-General’s report on AMR as well as the research conducted by AMR Research and Development (R&D) Hub as products of the One Health approach in their framework for tackling AMR. G20 members also encouraged “all stakeholders including international organizations to act and coordinate on those items relevant to their missions that contribute to global efforts to combat AMR.”³⁶⁴⁵ This summit represents how G20 members reallocated stewardship of antimicrobials to effective actors.

At the 2021 Rome Summit, G20 leaders committed to “pursue a One Health approach to global, regional, national and local levels.”³⁶⁴⁶ They established a G20 Joint Finance-Health Task Force which would open up opportunities for dialogue on safeguarding against health crises, and report back on its findings by early 2022 “to ensure adequate and sustained financing for pandemic prevention, preparedness and response (PPR).”³⁶⁴⁷ G20 members also emphasised the central role of SDG3, specifically Universal Health Coverage (UHC), in shaping multilateral efforts to “address risks emerging from the human-animal-environment interface, particularly the emergence of zoonotic diseases.”³⁶⁴⁸ Finally, G20 members pledged to “encourage the implementation of Ecosystem-based

³⁶⁴¹ G20 Leaders’ Declaration: Shaping an Interconnected World, G20 Information Centre (Toronto) 8 July 2017. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2017/2017-G20-leaders-declaration.html>

³⁶⁴² G20 Leaders’ Declaration: Shaping an Interconnected World, G20 Information Centre (Toronto) 8 July 2017. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2017/2017-G20-leaders-declaration.html>

³⁶⁴³ G20 Action Plan on Marine Litter, G20 Information Centre (Toronto) 8 July 2017. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2017/2017-g20-marine-litter.html>

³⁶⁴⁴ G20 Leaders’ Declaration: Building Consensus for Fair and Sustainable Development, G20 Information Centre (Toronto) 1 December 2018. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2018/2018-leaders-declaration.html>

³⁶⁴⁵ G20 Osaka Leaders’ Declaration G20 Information Centre (Toronto) 29 June 2019. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2019/2019-g20-osaka-leaders-declaration.html>

³⁶⁴⁶ G20 Rome Leaders’ Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

³⁶⁴⁷ G20 Rome Leaders’ Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

³⁶⁴⁸ G20 Rome Leaders’ Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

Approaches” in efforts to call attention to the environmental health component of the One Health approach.³⁶⁴⁹

Commitment Features

To define the key terms in this commitment, “integrate” refers to “combine two or more things in order to become more effective”³⁶⁵⁰ or “to incorporate into a larger unit.”³⁶⁵¹ In the context of this commitment, “integrate” means to incorporate the One Health approach into existing and future policies and decision-making processes that aim to strengthen global health systems.

“Implementation” is defined as “the process of making something active or effective.”³⁶⁵² In context of this commitment, “implementation” can be interpreted to mean taking steps forward in the near future; it should not be interpreted to mean only prolonged or delayed actions.³⁶⁵³

The concept of “One-Health” refers to “an integrated, unifying approach that aims to sustainably balance and optimize the health of people, animals and ecosystems.”³⁶⁵⁴ Thus, the “One Health approach” refers to the way it “mobilizes multiple sectors, disciplines and communities at varying levels of society to work together to foster well-being and tackle threats to health and ecosystems, while addressing the collective need for clean water, energy and air, safe and nutritious food, taking action on climate change, and contributing to sustainable development.”

G20 leaders committed to integrate the implementation of a One Health approach through two pillars of cooperation: relevant policies and decision-making processes. The term “policies” is defined as “high-level overall plans embracing the general goal and acceptable procedures especially of a governmental body.”³⁶⁵⁵ In the context of this commitment, “policies” is understood to mean health-related plans endorsed by national, bilateral and international actors. “Decision-making” is defined as “the act or process of deciding something especially with a group of people.”³⁶⁵⁶ The term “processes” refers to “a series of actions that produce something or that lead to a particular result.”³⁶⁵⁷ Thus, in the context of this commitment, the term “decision-making processes” can be understood to mean the processes of collaborating with national and international actors to improve health systems.

This commitment requires taking action in all three components of the One Health approach: human health, animal health, environmental health. Some key priority areas include, but are not limited to, food safety, sustainable agriculture, food safety, antimicrobial resistance (AMR), nutrition, animal and

³⁶⁴⁹ G20 Rome Leaders’ Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

³⁶⁵⁰ Integrate, Cambridge English Dictionary (Cambridge) n.d. Access Date: 5 December 2021. <https://dictionary.cambridge.org/dictionary/english/integrate>

³⁶⁵¹ Integrate, Merriam-Webster Dictionary (Springfield) n.d. Access Date: 5 December 2021. <https://www.merriam-webster.com/dictionary/integrate>

³⁶⁵² Implementation, Merriam-Webster Dictionary (Springfield) n.d. Access Date: 5 December 2021. <https://www.merriam-webster.com/dictionary/implementation>

³⁶⁵³ Compliance Coding Manual for International Institutional Commitments, G7 and G20 Research Groups (Toronto) 12 November 2020. Access Date: 5 December 2021. http://www.g7.utoronto.ca/compliance/Compliance_Coding_Manual_2020.pdf

³⁶⁵⁴ Tripartite and UNEP Support OHLEP’s Definition of “One Health”, WHO (Geneva) 1 December 2021. Access Date: 4 December 2021. <https://www.who.int/news/item/01-12-2021-tripartite-and-unep-support-ohlep-s-definition-of-one-health>

³⁶⁵⁵ Policy, Merriam-Webster Dictionary (Springfield) n.d. Access Date: 5 December 2021. <https://www.merriam-webster.com/dictionary/policy>

³⁶⁵⁶ Decision-making, Merriam-Webster Dictionary (Springfield) n.d. Access Date: 5 December 2021. <https://www.merriam-webster.com/dictionary/decision-making>

³⁶⁵⁷ Process, Merriam-Webster Dictionary (Springfield) n.d. Access Date: 5 December 2021. <https://www.merriam-webster.com/dictionary/process>

plant health, fisheries and livelihoods,³⁶⁵⁸ the control of zoonoses (diseases that can spread between animals and humans, such as flu, rabies and Rift Valley Fever).³⁶⁵⁹

Full compliance, or a score of +1, is awarded to G20 members who demonstrate action in integrating the implementation of all three components of the One Health approach in relevant policies and decision-making processes. A G20 member must take action in all three components, each in both relevant policies and decision-making processes, for full compliance. Examples of strong actions regarding policies include, but are not limited to: ensuring consistency across the standard-setting activities of the three organizations (intergovernmental standards of the OIE, IHR of the WHO, international food standards of the Codex Alimentarius),³⁶⁶⁰ promoting food safety at international levels, reinforcing veterinary and plant health infrastructure and safe food and animal production practices from farm to table, financing capacities of food and agriculture sectors to combat and minimize the risks of AMR,³⁶⁶¹ scaling up the implementation of Ecosystem-based Approaches.³⁶⁶² Examples of strong actions regarding decision-making processes include, but are not limited to: engaging with countries to reinforce national and regional human health, animal health and food safety services; developing capacities at regional, national and local levels for surveillance and rapid response to emerging infectious diseases and zoonotic diseases; promoting coordinated research and development to achieve a common understanding of the highest priority zoonotic diseases;³⁶⁶³ and understanding risk factors for disease spillover from wildlife to domestic animals and humans.³⁶⁶⁴ Strong national action could include drafting and implementing new laws or policies; signing and/or ratifying international agreements; or launching new initiatives or programs that aim to integrate One Health into relevant policies and decision-making processes. Both international and national actions count towards compliance.

Examples of weak action for both pillars of cooperation include attendance at international conferences and verbal reaffirmations in support of the One Health approach without taking any concrete action, sharing innovation and best practices to support integrating the implementation of the components of One Health. As well, if a G20 member makes a statement on future intentions to integrate the implementation of any of the components of One Health without implementing that intention before the compliance cycle is over, it would be considered an example of weak action.

Partial compliance, or a score of -1, is awarded to members who either take weak action in integrating the implementation of all three components of the One Health approach in relevant policies and/or decision-making processes; or take strong action in integrating the implementation of one or two components in either relevant policies or decision-making processes. If a G20 member takes action in all three components but action for each component is in either relevant policies or decision-making processes, it would still be considered partial compliance.

³⁶⁵⁸ One Health, FAO (Rome) n.d. Access Date: 5 December 2021. <https://www.fao.org/one-health/en/>

³⁶⁵⁹ One Health, WHO (Geneva) 21 September 2017. Access Date: 5 December 2021. <https://www.who.int/news-room/questions-and-answers/item/one-health>

³⁶⁶⁰ One Health, OIE (Paris) n.d. Access Date: 5 December 2021. <https://www.oie.int/en/what-we-do/global-initiatives/one-health/#ui-id-2>

³⁶⁶¹ One Health, FAO (Rome) n.d. Access Date: 5 December 2021. <https://www.fao.org/one-health/en/>

³⁶⁶² G20 Rome Leaders' Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

³⁶⁶³ One Health, OIE (Paris) n.d. Access Date: 5 December 2021. <https://www.oie.int/en/what-we-do/global-initiatives/one-health/#ui-id-2>

³⁶⁶⁴ One Health, FAO (Rome) n.d. Access Date: 5 December 2021. <https://www.fao.org/one-health/en/>

Non-compliance, or a score of -1, is awarded to members who do not demonstrate action to integrate the implementation of the three components of the One Health approach in relevant policies and decision-making processes.

Scoring Guidelines

-1	The G20 member did NOT integrate the implementation of the three of the components of the One Health approach in relevant policies NOR in decision-making processes.
0	The G20 member somewhat took action to integrate the implementation of the three key components of the One Health approach in relevant polices OR decision-making processes.
+1	The G20 member took strong action to integrate the implementation of the three key components of the One Health approach in BOTH relevant policies AND decision-making processes.

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Argentina: +1

Argentina has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Argentina signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties to stop and reverse deforestation.³⁶⁶⁵ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 2 February 2022, the Ministry of Health authorized the administering of the COVID-19 booster dose to adolescents aged from 12 to 17.³⁶⁶⁶ The goal of this authorization was to prolong the protective effect of the initial COVID-19 vaccination scheme against the current epidemiological situation.

On 15 February 2022, the Ministry of Health and the Pan-American Health Organization (PAHO) organized the Second International Seminar on Food and Nutrition in Primary Health Care.³⁶⁶⁷ The goal of this seminar was to endorse recommendations from the World Health Organization (WHO) and provisions of the UN Decade of Action for Nutrition's Work Plan in relation to the universal coverage of nutrition in health systems.

On 17 February 2022, the Ministry of Environment and Sustainable Development, through its National Directorate for Environmental Education and Citizen Participation, held two training sessions on environmental education in the towns of Trevelin and Lago Puelo in the province of

³⁶⁶⁵ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁶⁶⁶ What Measures is the Ministry Taking?, Ministry of Health (Buenos Aires) 2 February 2022. Translation provided by Google Translate. Access Date: 18 February 2022. <https://www.argentina.gob.ar/coronavirus/medidas-gobierno>

³⁶⁶⁷ The II International Seminar on Food and Nutrition in Primary Health Care, Pan-American Health Organization (Washington D.C.) 15 February 2022. Translation provided by Google Translate. Access Date: 18 February 2022. <https://www.paho.org/es/eventos/ii-seminario-internacional-sobre-alimentacion-nutricion-atencion-primaria-salud>

Chubut.³⁶⁶⁸ The goal of the training sessions was to increase public awareness about agroecology, composting and gender and the environment.

On 17 February 2022, Minister of the Environment and Sustainable Development Juan Cabandié and President of the Federal Council for the Environment (COFEMA) and Secretary of the Environment of La Rioja Santiago Azulay inaugurated the 43rd Extraordinary Assembly on Prevention of Fire and Wetlands at San Luis.³⁶⁶⁹ The goal of this meeting was to establish an administrative protocol for forest fire prevention to protect biodiversity.

On 22 February 2022, Minister of Health Carla Vizzotti, Chief of Staff Sonia Tarragona and Coordinator of the Appropriate Use of Antimicrobials Laura Barcelona met with specialists from the National Institute for Health and Care Excellence in London to discuss accessibility to higher-priced medicines and shared risk mechanisms for both governments.³⁶⁷⁰ The goal of this collaboration was to strengthen decision-making processes in healthcare systems for both countries.

On 9 March 2022, Minister Vizzotti and Chief of Staff Tarragona started the Health Systems Global Southern Cone Pre-Regional Conference.³⁶⁷¹ The conference aimed to bring together experts and government officials to address the challenges of health systems.

On 15 March 2022, Foreign Minister Santiago Cafier met with the United Arab Emirates' Minister of Foreign Affairs and International Cooperation Sheikh Abdullah bin Zayed to discuss cooperation in food, agriculture and energy.³⁶⁷² Notably, they talked about diversifying the energy sector by looking at wind energy, solar energy and green hydrogen.

On 1 April 2022, scientists from the National Institute for Fisheries Research and Development Nadia Marina Alves and Julieta Rodriguez embarked on the "One Ocean" expedition from Ushuaia, Argentina to Cape Horn, Chile.³⁶⁷³ The goal of their expedition was to visit different ports and share knowledge about the crucial role of the oceans for sustainable development.

³⁶⁶⁸ To Strengthen People's Understanding In Protecting The Environment, The Ministry Of Environment And Sustainable Development (Buenos Aires) 17 February 2022. Translation provided by Google Translate. Access Date: 18 February 2022. <https://www.argentina.gob.ar/noticias/el-ministerio-de-ambiente-realizo-dos-encuentros-por-la-educacion-ambiental-en-chubut>

³⁶⁶⁹ To Deal With The Problem Of Forest Fire And Disappearance Of Wetland, Ministry of the Environment and Sustainable Development (Buenos Aires) 17 February 2022. Translation provided by Google Translate. Access Date: 18 February 2022. <https://www.argentina.gob.ar/noticias/cabandie-encabezo-la-asamblea-extraordinaria-del-cofema-de-prevencion-del-fuego-y-de-0>

³⁶⁷⁰ Collaboration between the Ministry of Health and the National Institute for Health and Care Excellence advances, Ministry of Health (Buenos Aires) 22 February 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.argentina.gob.ar/noticias/avanza-la-colaboracion-entre-el-ministerio-de-salud-y-el-national-institute-health-and-care>

³⁶⁷¹ At the opening of the Health Systems Global Southern Cone Pre-Regional Conference, Vizzotti highlighted the challenge of integrating the health system, Ministry of Health (Buenos Aires) 9 March 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.argentina.gob.ar/noticias/en-la-apertura-de-la-pre-conferencia-regional-de-health-systems-global-cono-sur-vizzotti>

³⁶⁷² Sheikh Abdullah bin Zayed welcomes Argentinian foreign minister to Abu Dhabi, The National News (Abu Dhabi) 15 March 2022. Access Date: 19 June 2022. <https://www.thenationalnews.com/uae/2022/03/15/sheikh-abdullah-bin-zayed-welcomes-argentinian-foreign-minister-to-abu-dhabi/>

³⁶⁷³ INIDEP researchers participate in the "One Ocean" expedition on a Norwegian sailboat, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 31 March 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.argentina.gob.ar/noticias/investigadoras-del-iniddep-participan-de-la-expedicion-one-ocean-en-un-velero-noruego>

On 23 May 2022, Minister Vizzotti attended the WHO's 75th World Health Assembly in Geneva, Switzerland under the theme "Health for Peace, Peace for Health."³⁶⁷⁴ Minister Vizzotti stated that it was important to strengthen regional capacities for the production of critical inputs like vaccines in ending the pandemic.

On 3 June 2022, Minister Vizzotti met with Brazil's Secretary of Health Surveillance Arnaldo Medeiros and Ministers of Health from Paraguay, Chile, Uruguay, Peru and Bolivia to analyze the developing situation of monkeypox in the region and evaluate policies to improve medicines and vaccines for treatment.³⁶⁷⁵

On 20 June 2022, Minister Vizzotti met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁶⁷⁶

On 30 June 2022, Minister of Agriculture, Livestock and Fisheries Julián Domínguez met with Brazil's Minister of Agriculture, Livestock and Supply Marcos Montes Cordeiro to pledge their joint commitment to global food security.³⁶⁷⁷ Minister Domínguez emphasized the importance of implementing sustainable practices in the agri-food sector as Argentina and Brazil comprise 10 per cent of the global food supply.

On 1 August 2022, Director of Response to HIV, Sexually Transmitted Infections, Hepatitis and Tuberculosis Mariana Ceriotto and the Director of Epidemiology Carlos Giovacchini relayed plans for improved diagnosis and treatment methods for the control of perinatal infections due to HIV, Syphilis and Hepatitis B in accordance with the EMTCT-Plus framework provided by the PAHO.³⁶⁷⁸ The goal of this action was to reduce and eventually eliminate mother-to-child transmission of disease.

On 4 August 2022, Minister Vizzotti initiated a vaccination plan against COVID-19 for children ages six months to three years.³⁶⁷⁹ Minister Vizzotti emphasized the importance for the youngest section of Argentina's population to be vaccinated in their efforts towards curbing the effects of COVID-19.

³⁶⁷⁴ Health authorities of the Americas discuss their response to the COVID-19 pandemic at the 75th World Health Assembly, Pan American Health Organization (Geneva) 24 May 2022. Access Date: 19 June 2022. <https://www.paho.org/en/news/24-5-2022-health-authorities-americas-discuss-their-response-covid-19-pandemic-75th-world>

³⁶⁷⁵ Argentina convened an extraordinary meeting of Mercosur Ministers of Health, Associated States, and PAHO representatives to work on a regional response to monkeypox, Ministry of Health (Buenos Aires) 3 June 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.argentina.gob.ar/noticias/argentina-convoco-una-reunion-extraordinaria-de-ministros-de-salud-del-mercosur-estados>

³⁶⁷⁶ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁶⁷⁷ Argentina and Brazil commit to global sustainable food security, Ministry of Agriculture, Livestock and Fisheries of the Nation (Bueno Aires) 30 June 2022. Translation provided by Google Translate. Access Date: 24 September 2022. <https://www.argentina.gob.ar/noticias/argentina-y-brasil-se-comprometen-con-la-seguridad-alimentaria-sostenible-mundial>

³⁶⁷⁸ Argentina strengthens the diagnosis and treatment of perinatal HIV, syphilis, hepatitis B and Chagas infections at the first level of care, Ministry of Health (Buenos Aires) 1 August 2022. Translation provided by Google Translate. Access Date: 24 September 2022. <https://www.argentina.gob.ar/noticias/argentina-fortalece-el-diagnostico-y-tratamiento-de-las-infecciones-perinatales-por-vih>

³⁶⁷⁹ Vizzotti launched the pediatric vaccination campaign against COVID-19 from six months of age at Garrahan Hospital, Ministry of Health (Buenos Aires) 4 August 2022. Translation provided by Google Translate. Access Date: 24 September 2022. <https://www.argentina.gob.ar/noticias/vizzotti-lanzo-la-campana-de-vacunacion-pediatrica-contra-la-covid-19-desde-los-seis-meses>

On 23 August 2022, Minister Vizzotti announced an investment of more than ARS1,690 million in the National Vaccination Campaign against Measles, Rubella, Mumps and Poliomyelitis. The goal of this campaign is to supply 2.3 million children nationwide with the triple viral and polio vaccines.³⁶⁸⁰

Argentina has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Argentina has sought to improve accessibility to universal healthcare, stay up to date on protocols involving zoonotic diseases like the monkeypox virus and collaborate with international actors like the PAHO, WHO and COFEMA to improve human, animal and environmental health.

Thus, Argentina receives a score of +1.

Analysts: Mehr Yawar, Saarah Khan and Chi Zhang

Australia: +1

Australia has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Australia signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties to stop and reverse deforestation.³⁶⁸¹ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 16 November 2021, Australia provided AUD10 million to establish the Healthy Environments And Lives (HEAL) Network to “provide national and international leadership in environmental change and health research.”³⁶⁸² HEAL network partners committed more than AUD6 million in cash, AUD8 million in kind and AUD10 million provided through the National Health and Medical Research Council Special Initiative in Human Health and Environmental Change. The goal of the HEAL network was “to protect the health of the Australian community and build a resilient and responsive health system, based on strong engagement and co-design with federal and state governments, the public health and healthcare sectors, charities, communities, business and industry.”³⁶⁸³

On 17 November 2021, the Department of Agriculture, Water and Environment granted almost AUD500,000 to Food Standards Australia New Zealand to create an international food safety forum.³⁶⁸⁴ The goal of this forum was to identify areas where different countries can collaborate

³⁶⁸⁰ Health invests more than 1,690 million pesos in the National Vaccination Campaign against measles, rubella, mumps and polio in girls and boys from 13 months to four years, Ministry of Health (Buenos Aires) 23 August 2022. Translation provided by Google Translate. Access Date: 24 September 2022. <https://www.argentina.gob.ar/noticias/salud-invierte-mas-de-1690-millones-de-pesos-en-la-campana-nacional-de-vacunacion-contra>

³⁶⁸¹ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁶⁸² \$10 million national network to build resilience to environmental change, Department of Health and Aged Care (Canberra) 16 November 2021. Access Date: 10 February 2022. <https://www.health.gov.au/ministers/the-hon-greg-hunt-mp/media/10-million-national-network-to-build-resilience-to-environmental-change>

³⁶⁸³ \$10 million national network to build resilience to environmental change, Department of Health and Aged Care (Canberra) 16 November 2021. Access Date: 10 February 2022. <https://www.health.gov.au/ministers/the-hon-greg-hunt-mp/media/10-million-national-network-to-build-resilience-to-environmental-change>

³⁶⁸⁴ Food forum to focus on safety, Department of Agriculture, Water and the Environment (Canberra) 17 November 2021. Access Date: 10 February 2022. <https://www.awe.gov.au/about/news/media-releases/food-forum-to-focus-on-safety>

together on food safety projects that promote science and risk-based approaches consistent with international standards.

On 18 November 2021, Minister for Health and Aged Care Greg Hunt affirmed the commitment “to actively monitor the threat of microbes becoming resistant to antimicrobial treatment— known as antimicrobial resistance (AMR).”³⁶⁸⁵ The goal of this statement was to bolster the creation of a One Health antimicrobial resistance surveillance system that would provide a holistic view of AMR, human health, animal health, agriculture, food and the environment.

On 6 December 2021, Chief Veterinary Officer Mark Schipp travelled to Fiji to strengthen ties with notable Fijian agricultural, animal health and veterinary representatives as part of the Department of Agriculture, Water and the Environment’s Pacific Engagement Program for biosecurity and animal health.³⁶⁸⁶ The goal of this program was to safeguard animal health across the Pacific region by strengthening key multilateral organizations that support reinforcing biosecurity systems of the Pacific community.

On 8 December 2021, Australia collaborated with Pacific Island countries to ensure the continuation of tuna fishery sustainability at the 18th annual meeting of Western and Central Pacific Fisheries Commission (WCPFC).³⁶⁸⁷ The goal of this multilateral collaboration was to ensure the sustainability of global fisheries.

On 12 December 2021, Australia published the National Preventive Health Strategy 2021-2030 to “assist in prevention of diseases, reducing risk factors and keeping people healthy and well.”³⁶⁸⁸ The goal of this strategy was to ensure good health for all, achieve health equity for priority populations and increase preventive health investment.

On 16 December 2021, Australia and the UK Department for International Trade published a chapter of the UK-Australia Free Trade Agreement (FTA) that specifically announced cooperation in the environment and AMR.³⁶⁸⁹ The goal of the FTA is to enhance bilateral work in biosecurity and animal welfare.

On 3 January 2022, Minister for Agriculture and Northern Australia David Littleproud announced an investment of AUD8.4 million over the next four years to prevent, detect and mitigate the impacts of emerging animal diseases and pandemic potential.³⁶⁹⁰ The goal of this initiative was to support wildlife health and early warning capabilities in partnership with Wildlife Health Australia (WHA).

³⁶⁸⁵ Continuing advancements to curb antimicrobial resistance, Department of Health and Aged Care (Canberra) 18 November 2021. Access Date: 10 February 2022. <https://www.health.gov.au/ministers/the-hon-greg-hunt-mp/media/continuing-advancements-to-curb-antimicrobial-resistance>

³⁶⁸⁶ Australia’s Chief Vet visits Fiji to strengthen biosecurity and animal health collaboration, Department of Agriculture, Water and the Environment (Canberra) 6 December 2021. Access Date: 10 February 2022. <https://www.awe.gov.au/about/news/media-releases/australias-chief-vet-visits-fiji-to-strengthen-biosecurity-and-animal-health-collaboration>

³⁶⁸⁷ Tuna fishery sustainability secured at Western and Central Pacific Fisheries Commission annual meeting, Department of Agriculture, Water and the Environment (Canberra) 8 December 2021. Access Date: 10 February 2022. <https://minister.awe.gov.au/duniam/media-releases/wcpfc-tuna-fishery-sustainability>

³⁶⁸⁸ The National Preventive Health Strategy 2021–2030, Department of Health and Aged Care (Canberra) 14 December 2021. Access Date: 10 February 2022. <https://www.health.gov.au/news/the-national-preventive-health-strategy-2021-2030>

³⁶⁸⁹ UK-Australia FTA Chapter 27: Cooperation, Department for International Trade (London) 16 December 2021. Access Date: 17 June 2022. <https://www.gov.uk/government/publications/uk-australia-fta-chapter-27-cooperation>

³⁶⁹⁰ Australia leads global efforts to prevent future pandemics, Department of Health and Aged Care (Canberra) 3 January 2022. Access Date: 10 February 2022. <https://minister.awe.gov.au/littleproud/media-releases/australia-leads-global-efforts-prevent-future-pandemics>

On 28 January 2022, Prime Minister Scott Morrison announced an investment of AUD1 billion towards protecting the Great Barrier Reef over nine years, while supporting 64,000 Queenslanders and their jobs.³⁶⁹¹ The goal of this investment was to support scientists, farmers and Traditional Owners, advance latest marine science and reduce erosion and pollutants.

On 29 January 2022, Australia pledged AUD50 million over the next four years to protect koalas and their habitat.³⁶⁹² The goal of this pledge was to fund habitat restoration, support koala treatment and care training and expand research into the animal's health.

On 25 February 2022, Chief Veterinary Officer Schipp declared that the biosecurity system was continuing to protect against lumpy skin disease which affects cattle and water buffalo and threatens live animal trade.³⁶⁹³ The goal of this action was to raise awareness of this threat within Australia's livestock industry, associated industries, state and territory agricultural departments and farming groups.

On 4 March 2022, Acting Chief Medical Officer Sonya Bennett declared the unfolding situation concerning the Japanese encephalitis virus (JEV) as a Communicable Disease Incident of National Significance after consulting the Australian Health Protection Principal Committee.³⁶⁹⁴ The goal of this declaration was to support the states and territories in educating the communities about JEV, its symptoms, taking appropriate precautions and distributing vaccines to at-risk communities.

On 11 March 2022, Australia invested AUD2.1 billion to combat COVID-19 and influenza in the 2022 winter season.³⁶⁹⁵ The goal of the investment was to support first responders and strengthen the resilience of healthcare systems.

On 15 March 2022, Australia pledged to provide more than AUD35.9 million in funding to severely flood-impacted communities in its eastern regions.³⁶⁹⁶ The goal of this pledge was to ensure the continuity of primary health care and mental health services for flood-impacted Australians and especially those in the worst-hit communities.

On 21 March 2022, Chief Plant Protection Officer Gabrielle Vivian-Smith and Director of Pacific Engagement and International Plant Health Sophie Peterson travelled to Fiji as a part of the Pacific Engagement Program to strengthen partnerships with Fijian health plant representatives.³⁶⁹⁷ The goal

³⁶⁹¹ Billion Dollar Reef Investment Backs Queensland Communities, Prime Minister of Australia (Canberra) 28 January 2022. Access Date: 10 February 2022. <https://www.pm.gov.au/media/billion-dollar-reef-investment-backs-queensland-communities>

³⁶⁹² Joint media release: Record \$50 million for Koalas, Department of Agriculture, Water and the Environment (Canberra) 29 January 2022. Access Date: 10 February 2022. <https://minister.awe.gov.au/ley/media-releases/joint-media-release-record-50-million-koalas>

³⁶⁹³ Australian Biosecurity continuing to protect cattle and buffalo from lumpy skin disease, Department of Agriculture, Water and the Environment (Canberra) 25 February 2022. Access Date: 13 May 2022. <https://www.awe.gov.au/about/news/media-releases/biosecurity-lumpy-skin-disease>

³⁶⁹⁴ Japanese encephalitis virus situation declared a Communicable Disease Incident of National Significance, Department of Health and Aged Care (Canberra) 4 March 2022. Access Date: 13 May 2022. <https://www.health.gov.au/news/japanese-encephalitis-virus-situation-declared-a-communicable-disease-incident-of-national-significance>

³⁶⁹⁵ \$2.1 billion for winter preparedness health measures, Department of Health and Aged Care (Canberra) 11 March 2022. Access Date: 13 May 2022. <https://www.health.gov.au/ministers/the-hon-greg-hunt-mp/media/21-billion-for-winter-preparedness-health-measures>

³⁶⁹⁶ Vital health support for flood-affected regions, Department of Health and Aged Care (Canberra) 15 March 2022. Access Date: 13 May 2022. <https://www.health.gov.au/news/vital-health-support-for-flood-affected-regions>

³⁶⁹⁷ Australia's Chief Plant Protection Officer visit to Fiji strengthens Pacific plant biosecurity, Department of Agriculture, Water and the Environment (Canberra) 21 March 2022. Access Date: 13 May 2022. <https://www.awe.gov.au/about/news/media-releases/aus-chief-plant-protection-officer-visit-fiji>

of the program was to build and strengthen regional biosecurity in the Pacific and enhance regional plant health networks to support national biosecurity and protection from plant pests.

On 22 March 2022, Prime Minister Morrison invested AUD63 million to support science and research infrastructure to help protect the Great Barrier Reef and support the businesses and jobs that rely on it.³⁶⁹⁸ The goal of this investment was to support the critical science and research conducted by the Australian Institute of Marine Science that helps Australia manage threats to the health of the Great Barrier Reef.

On 31 March 2022, the Department of Agriculture, Water and Environment signed an agreement with Charles Sturt University to establish a new Biosecurity Training Centre to replace the previous decentralized training arrangements.³⁶⁹⁹ Head of the Biosecurity Group in the Department and Chair of the National Biosecurity Committee Deputy Secretary Andrew Tongue stated that the new centre aims to deliver specialized training for staff to operate and respond to increasing biosecurity risks in challenging and changing environments.

On 8 April 2022, the Department of Agriculture, Water and the Environment and the Pacific Community (SPC) Land Resources Division (LRD) signed a cooperative agreement to strengthen animal health and livestock production systems.³⁷⁰⁰ Director of the SPC LRD Karen Mapusua said “this new partnership will further boost SPC’s ongoing efforts to [operationalize] a One Health approach in the Pacific.” The goal of this cooperative agreement was to strengthen disease surveillance and enhance emergency response capacity in upholding current animal disease status and prevent introducing new diseases in the Pacific region.

On 8 April 2022, Australia pledged AUD85 million in funding toward the Gavi COVAX initiative at the Break COVID Now Summit co-hosted by Germany, Indonesia, Ghana, Senegal and Gavi which is the Vaccine Alliance.³⁷⁰¹ The goal of this investment was to ensure equitable global access to COVID-19 vaccines.

On 21 April 2022, Deputy Secretary Tongue announced an increase in interceptions of Khapra beetle, which is a highly invasive pest, as hitchhiker pests in sea containers.³⁷⁰² As the Khapra beetle threatens Australia’s grain industry and contaminated products pose human health risks, the goal of this announcement was to implement new import regulations.

On 20 May 2022, Acting Chief Medical Officer Bennett announced that the National Incident Centre was monitoring the outbreak of international cases of the monkeypox virus which is a viral zoonotic

³⁶⁹⁸ \$63 Million to Support Great Barrier Reef Science, The Hon Melissa Price MP Media Releases (Canberra), 22 March 2022. Access Date: 13 May 2022. <https://www.minister.industry.gov.au/ministers/price/media-releases/63-million-support-great-barrier-reef-science>

³⁶⁹⁹ New partnership to establish a Biosecurity Training Centre to support a skilled and responsive biosecurity capability, Department of Agriculture, Water and the Environment (Canberra) 31 March 2022. Access Date: 13 May 2022. <https://www.awe.gov.au/about/news/media-releases/biosecurity-training-centre-csu>

³⁷⁰⁰ Australia and the Pacific Community (SPC) sign agreement supporting animal health in the Pacific, Department of Agriculture, Water and the Environment (Canberra) 8 April 2022. Access Date: 13 May 2022. <https://www.awe.gov.au/about/news/media-releases/australia-pacific-community-agreement-animal-health>

³⁷⁰¹ World leaders commit US\$4.8 billion to help break COVID now, Gavi Vaccine Alliance (Geneva) 8 April 2022. Access Date: 17 June 2022. <https://www.gavi.org/news/media-room/world-leaders-commit-us-48-billion-help-break-covid-now>

³⁷⁰² New import conditions to protect against khapra beetle, Department of Agriculture, Water and the Environment (Canberra) 21 April 2022. Access Date: 10 June 2022. <https://www.awe.gov.au/about/news/media-releases/new-import-conditions-protect-against-khapra-beetle>

disease.³⁷⁰³ This announcement aims to alert Australians about the monkeypox virus, transmission, symptoms and treatments.

On 31 May 2022, Chief Veterinary Officer Schipp and Deputy Chief Veterinary Officer Beth Cookson met with officials from Indonesia's Ministry of Agriculture to discuss the recent detection of the contagious viral animal foot-and-mouth disease (FMD).³⁷⁰⁴ The goal of their meeting was to strengthen bilateral cooperation with Indonesia by sharing knowledge on animal health and biosecurity in combatting and containing the FMD outbreak.

On 7 June 2022, Deputy Secretary of the Department of Agriculture, Water and the Environment David Hazlehurst attended the World Health Organization (WHO) webinar for World Food Safety Day.³⁷⁰⁵ He emphasized that Australia strongly contributes to the development of international food safety standards through its partnership with Codex Alimentarius Commission (Codex) which is the international body for setting food standards.

On 20 June 2022, Minister for Health and Aged Care Mark Butler met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁷⁰⁶ Minister Butler emphasised the commitment to invest in the domestic vaccine production capacity and work with the Indo-Pacific region to strengthen health security.

On 21 June 2022, Secretary of the Department of Agriculture, Water and the Environment and Director of Biosecurity Andrew Metcalfe announced the installment of a holographic display of high-risk food products at Brisbane International Airport as part of a new biosecurity initiative.³⁷⁰⁷

On 1 July 2022, Deputy Secretary Hazlehurst met with representatives from New Zealand, Fiji and Vanuatu to discuss food safety trends and future collaboration opportunities.³⁷⁰⁸ Deputy Secretary Hazlehurst also collaborated with the visiting representatives during the 82nd session of the Executive Committee of Codex to contribute to consumer food safety standards.

On 4 July 2022, Deputy Secretary Metcalfe initiated the new training program at the new Department of Agriculture, Fisheries and Forestry Biosecurity Training Centre in collaboration with Charles Sturt University.³⁷⁰⁹ The aim of the program is to “provide new starters to biosecurity with the foundational knowledge and skills essential for their roles [in] managing biosecurity threats.”

On 20 July 2022, the Department of Agriculture, Fisheries and Forestry increased the testing of meat and other animal byproducts both at the border and through targeted checking of retail outlets in

³⁷⁰³ Monkeypox update from acting CMO Dr Sonya Bennett, Department of Health and Aged Care (Canberra) 20 May 2022.

Access Date: 10 June 2022. <https://www.health.gov.au/news/monkeypox-update-from-acting-cmo-dr-sonya-bennett>

³⁷⁰⁴ Australian Chief Veterinary Officer and Deputy visit Indonesia to strengthen animal health ties, Department of Agriculture, Water and the Environment (Canberra) 31 May 2022. Access Date: 10 June 2022.

<https://www.awe.gov.au/about/news/australian-cvo-and-deputy-visit-indonesia>

³⁷⁰⁵ World Food Safety Day highlights importance of food standards for better health, Department of Agriculture, Fisheries and Forestry (Canberra) 7 June 2022. Access Date: 23 September 2022.

<https://www.agriculture.gov.au/about/news/world-food-safety-day-highlights-importance-food-standards-better-health>

³⁷⁰⁶ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022.

<https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁷⁰⁷ Pilot uses holograms to highlight biosecurity risks, Department of Agriculture, Fisheries and Forestry (Canberra) 21 June 2022. Access Date: 23 September 2022. <https://www.agriculture.gov.au/about/news/pilot-uses-holograms-highlight-biosecurity-risks>

³⁷⁰⁸ Pacific partners discuss food safety trends, Department of Agriculture, Fisheries and Forestry (Canberra) 1 July 2022.

Access Date: 23 September 2022. <https://www.agriculture.gov.au/about/news/pacific-partners-discuss-food-safety-trends>

³⁷⁰⁹ First step to better biosecurity training, Department of Agriculture, Fisheries and Forestry (Canberra) 4 July 2022.

Access Date: 23 September 2022. <https://www.agriculture.gov.au/about/news/first-step-to-biosecurity-training>

response to the spread of animal diseases, especially FMD and African swine flu (ASF).³⁷¹⁰ Officers seized and investigated pork products that tested positive for FMD and ASF.

On 28 July 2022, Chief Medical Officer Paul Kelly declared monkeypox (MPX) as a communicable disease incident of national significance following the WHO's designation of MPX as a public health emergency of international concern.³⁷¹¹ Chief Medical Officer Kelly also announced the involvement of the National Incident Centre to provide enhanced national coordination to assist states and territories in effectively managing the outbreaks within respective jurisdictions.

On 15 August 2022, the Office of the Chief Veterinary Officer supported the Global Agriculture Leadership Initiative by giving four staff members the greenlight to work overseas at international organizations like the Food and Agriculture Organization.³⁷¹² The aim of this move was to strengthen international standards around animal health, welfare, biosecurity, food safety and AMR.

On 22 August 2022, Australia pledged to spend AUD5 million over the year to boost national biosecurity capabilities.³⁷¹³ Deputy Secretary of Biosecurity and Compliance at the Department of Agriculture, Fisheries and Forestry Chris Locke announced that 24 projects including examining the potential of artificial intelligence to identify high-risk and hitch-hiker pests and the development of a portable dangerous-vapour detection tool would be funded to test pioneering scientific approaches and technologies in combatting biosecurity risks.

On 22 August 2022, the Department of Climate Change, Environment, Energy and Water and the Department of Industry, Science and Resources co-hosted the 31st Korea-Australia Joint Committee on Energy and Mineral Resources with Korea's Ministry of Trade, Industry and Energy.³⁷¹⁴ The goal of the meeting was to cover critical minerals for clean energy expansion, energy supply chain resilience, hydrogen power and carbon capture, utilization and storage.

On 8 September 2022, Australia met the other MIKTA countries of Mexico, Indonesia, Korea and Turkey to address the impact of COVID-19.³⁷¹⁵ The goal of this meeting was to create a 21-point statement as a pledge to better maneuver through the present and any future global health emergencies.

On 23 September 2022, the Department of Agriculture, Fisheries and Forestry, the Department of Climate Change, Energy, the Environment and Water, and the Rapisan Systems and the Taronga Conservation Society Australia jointly released a research paper that used 3D X-RAY CT scanning

³⁷¹⁰ Biosecurity vigilance brought to the fore, Department of Agriculture, Fisheries and Forestry (Canberra) 20 July 2022. Access Date: 23 September 2022. <https://www.agriculture.gov.au/about/news/biosecurity-vigilance-brought-to-the-fore>

³⁷¹¹ Chief Medical Officer's statement declaring monkeypox a Communicable Disease Incident of National Significance, Department of Health and Aged Care (Canberra) 28 July 2022. Access Date: 23 September 2022. <https://www.health.gov.au/news/chief-medical-officers-statement-declaring-monkeypox-a-communicable-disease-incident-of-national-significance>

³⁷¹² Australian expertise to strengthen international animal health, Department of Agriculture, Fisheries and Forestry (Canberra) 15 August 2022. Access Date: 23 September 2022. <https://www.agriculture.gov.au/about/news/australian-expertise-to-strengthen-international-animal-health>

³⁷¹³ Innovative biosecurity solutions put to the test, Department of Agriculture, Fisheries and Forestry (Canberra) 22 August 2022. Access Date: 23 September 2022. <https://www.agriculture.gov.au/about/news/innovative-biosecurity-solutions-put-to-the-test>

³⁷¹⁴ Korea and Australia hold 31st Joint Committee on Energy and Mineral Resources, Ministry of Trade, Industry and Energy (Sejong-si) 23 August 2022. Access Date: 25 September 2022. http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1043&bbs_cd_n=2&view_type_v=TOPIC¤tPage=21&search_key_n=&search_val_v=&cate_n=3

³⁷¹⁵ Statement of Deputy Ministers of Health and Deputy Ministers of Foreign Affairs of MIKTA Countries, Department of Health (Mexico City) 8 September 2022. Access Date: 24 September 2022. <https://www.gob.mx/sre/prensa/statement-of-deputy-ministers-of-health-and-deputy-ministers-of-foreign-affairs-of-mikta-countries?idiom=en>

technology to combat the illegal smuggling of wildlife through mail and traveller luggage pathways.³⁷¹⁶ The three departments aim to continue their collaborative work to detect illegal wildlife trafficking at borders.

Australia has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Australia has pursued bilateral actions such as its partnership with Fiji for the Pacific Engagement Program, its FTA with the UK to support agricultural exporters and its meeting with Indonesia to contain the FMD outbreak. Australia has also contributed towards international projects like establishing the global HEAL network, promising the creation of an international food safety forum, partnering with Codex, pledging money towards the Gavi COVAX initiative, attending the WCPFC and working with the WHA to integrate One Health in existing policies.

Thus, Australia receives a score of +1.

Analyst: Kaithyn Zhaoyue Wang

Brazil: +1

Brazil has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Brazil signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties to stop and reverse deforestation.³⁷¹⁷ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 23 November 2021, Ambassador of Brazil to India Andre Aranha Correa do Lago held a meeting with India's Minister of Fisheries, Animal Husbandry and Dairying Parshottam Rupala.³⁷¹⁸ The goal of this meeting was to discuss cooperation in the Animal Husbandry and Dairy Sector and India's export of bovine embryos.

On 1 December 2021, the Health Regulatory Agency (ANVISA) approved the first HIV treatment that will combine two different substances in a single pill.³⁷¹⁹ The goal of this action was to provide ease of access to a daily immunity treatment that was previously not available.

³⁷¹⁶ World leading scientific research using 3D X-ray technology for the detection of illegal wildlife trafficking, Department of Climate Change, Energy, the Environment and Water (Canberra) 23 September 2022. Access Date: 23 September 2022. <https://www.dceew.gov.au/about/news/world-leading-scientific-research-using-3d-x-ray-technology-detection-illegal-wildlife-trafficking>

³⁷¹⁷ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁷¹⁸ Monthly Summary to the Cabinet for the Month of November, 2021 in Respect of the Department of Animal Husbandry and Dairying - reg., Ministry of Fisheries, Animal Husbandry and Dairying (New Delhi) 21 December 2021. Access Date: 17 June 2022. <https://dahd.nic.in/sites/default/files/Monthly%20Summary-DAHD-November%2C%202021-English.pdf>

³⁷¹⁹ Brazil's health regulator approves first one-pill HIV treatment, The Rio Times (Rio De Janeiro) 1 December 2021. Translation provided by Google Translate. Access Date: 11 February 2022. <https://www.riotimesonline.com/brazil-news/rio-politics/brazils-health-regulator-approves-first-hiv-treatment-with-only-one-pill/>

On 10 December 2021, the Forest Service successfully implemented the Brazilian Forest Code which analyzed the data of more than 180,000 processes.³⁷²⁰ The goal of this action was to easily verify data declared in the national registry in an automated way thus enabling rural producers who have a deficit of vegetation to start the environmental regularization of their properties.

On 12 December 2021, the Ministry of Health granted BRL9.1 million to five specialized rehabilitation centers in the state of Sao Paulo.³⁷²¹ The goal of this grant was to provide comprehensive and free care to children with congenital Zika syndrome through the Unified Health System.

On 21 February 2022, Secretary of Innovation, Sustainable Development and Irrigation Fernando Camargo attended the first high-level government meeting of the Agriculture Innovation Mission for Climate held in Dubai, United Arab Emirates.³⁷²² Secretary Camargo stated that Brazilian agriculture would continue to increase its productivity while emphasising the decarbonization of food production chains.

On 17 March 2022, the Ministry of Health published a report on challenges for public health in each of the capitals of the 26 Brazilian states and the federal district.³⁷²³ The Ministry of Health also prepared several publications in which it outlined how a regular practice of at least 150 minutes of physical activity per week can help decrease the risk of contracting chronic non-communicable diseases.

On 23 March 2022, the Ministry of Health held the first National Exhibition of Experiences in the Use of the Epidemic Intelligence for Open Source (EIOS) platform.³⁷²⁴ The EIOS tool helps in the digital detection of rumors of public health interest. The goal of the exhibition was to bring together new and existing initiatives, networks and systems to create a unified One Health approach to early detection, verification and assessment of public health threats.

On 28 March 2022, experts from the public University of Sao Paulo launched the One Health Brazilian Resistance platform which was designed to store data on multi-resistance bacteria with genomic, epidemiological and phenotypic information.³⁷²⁵ The goal of developing the platform was to control and monitor the spread of bacteria that the World Health Organization (WHO) had classified to be of “critical priority.”

On 8 April 2022, Brazil pledged USD86.7 million in funding toward the Gavi COVAX initiative at the Break COVID Now Summit co-hosted by Germany, Indonesia, Ghana, Senegal and Gavi which is the

³⁷²⁰ GOV.BR facilitates the action of the Brazilian Forest Service and the states in the analysis of rural registers, Ministry of Economy (Brasilia) 10 December 2021. Translation provided by Google Translate. Access Date: 11 February 2022. <https://www.gov.br/economia/pt-br/assuntos/noticias/2021/dezembro/gov-br-auxilia-servico-florestal-brasileiro-e-estados-na-analise-de-dados-dos-cadastros-rurais>

³⁷²¹ Sao Paulo receives R\$9.1 million reinforcements to rehabilitate children, Ministry of Health (Brasilia) 12 December 2021. Translation provided by Google Translate. Access Date: 11 February 2022. <https://www.gov.br/saude/pt-br/assuntos/noticias/2017/marco/sao-paulo-ganha-reforco-de-r-9-1-milhoes-para-reabilitar-criancas>

³⁷²² Mapa participates in high-level meeting on global innovation in agriculture, Ministry of Agriculture, Livestock and Supply (Brasilia) 21 February 2022. Translation provided by Google Translate. Access Date: 17 May 2022. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/mapa-participa-de-reuniao-de-alto-nivel-sobre-inovacao-global-na-agricultura>

³⁷²³ Regular practice of physical activity prevents most non-communicable diseases, Ministry of Health (Brasilia) 17 March 2022. Translation provided by Google Translate. Access Date: 17 May 2022. <https://www.gov.br/saude/pt-br/assuntos/noticias/2022/marco/pratica-regular-de-atividade-fisica-previne-maioria-das-doencas-nao-transmissiveis>

³⁷²⁴ WHO platform enables early detection of potential health emergencies, Ministry of Health (Brasilia) 24 March 2022. Translation provided by Google Translate. Access Date: 17 May 2022. <https://www.gov.br/saude/pt-br/assuntos/noticias/2022/marco/plataforma-da-oms-permite-deteccao-precoce-de-potenciais-emergencias-em-saude>

³⁷²⁵ Brazil Develops One Health Brazilian Resistance Platform, Telesur (Venezuela) 28 March 2022. Access Date: 19 June 2022. <https://www.telesurenglish.net/news/Brazil-Develops-One-Health-Brazilian-Resistance-Platform--20220328-0018.html>

Vaccine Alliance.³⁷²⁶ The goal of this investment was to ensure equitable global access to COVID-19 vaccines.

On 11 April 2022, the Ministry of Health announced that they would train primary healthcare professionals on facilitating the early identification of mental disorders.³⁷²⁷ In partnership with the Albert Einstein Hospital through the WHO's "Mental Health Gap Action Program," the training will teach healthcare workers how to identify related symptoms of mental distress like anxiety, depression, psychotic episodes, suicidal ideation, agitation and aggression crises.

On 10 May 2022, Minister of Health Marcelo Queiroga and China's Minister Ma Xiaowei attended a video meeting to deepen bilateral and multilateral health cooperation.³⁷²⁸ During the conference, the two ministers talked about strengthening communication and coordination in multilateral domains and promoting enhanced bilateral health cooperation.

On 10 May 2022, Minister of Agriculture, Livestock and Supply Marcos Montes Cordeiro met with Egypt's Deputy Minister of Agriculture Moustafa El Sayeed to discuss food security issues.³⁷²⁹ During the meeting, the state-owned Brazilian Agricultural Research Corporation signed a Memorandum of Understanding with Egypt's state-owned Agriculture Research Center to exchange technologies in genetics, sanitation and climate change and preserve the health and safety of animals and plants for the next five years.

On 23 May 2022, Minister Queiroga attended the WHO's 75th World Health Assembly in Geneva, Switzerland under the theme "Health for Peace, Peace for Health."³⁷³⁰ Minister Queiroga highlighted the actions Brazil had taken to strengthen access to health by investing more than USD110 million to triple surveillance capacity and expand specialised services.

On 3 June 2022, Secretary of Health Surveillance Arnaldo Medeiros met with Argentina's Minister of Health Carla Vizzotti and Ministers of Health from Paraguay, Chile, Uruguay, Peru and Bolivia to analyze the developing situation of monkeypox in the region and evaluate policies to improve medicines and vaccines for treatment.³⁷³¹

On 20 June 2022, Minister Queiroga met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic

³⁷²⁶ World leaders commit US\$4.8 billion to help break COVID now, Gavi Vaccine Alliance (Geneva) 8 April 2022. Access Date: 17 June 2022. <https://www.gavi.org/news/media-room/world-leaders-commit-us-48-billion-help-break-covid-now>

³⁷²⁷ SUS performed almost 60 million psychosocial care in CAPS across Brazil between 2019 and 2021, Ministry of Health (Brasilia) 11 April 2022. Translation provided by Google Translate. Access Date: 17 May 2022. <https://www.gov.br/saude/pt-br/assuntos/noticias/2022/abril/sus-realizou-quase-60-milhoes-de-atendimentos-psicossociais-nos-caps-de-todo-o-brasil-entre-2019-e-2021>

³⁷²⁸ China, Brazil to boost health cooperation, exchanges, National Health Commission (Beijing) 13 May 2022. Access Date: 17 June 2022. http://en.nhc.gov.cn/2022-05/13/c_85956.htm

³⁷²⁹ Brazil and Egypt want to expand bilateral trade in agricultural products, Ministry of Agriculture, Livestock and Supply (Brasilia) 10 May 2022. Translation provided by Google Translate. Access Date: 17 May 2022. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/brasil-e-egito-querem-ampliar-o-comercio-bilateral-de-produtos-agropecuarios>

³⁷³⁰ Health authorities of the Americas discuss their response to the COVID-19 pandemic at the 75th World Health Assembly, Pan American Health Organization (Geneva) 24 May 2022. Access Date: 19 June 2022. <https://www.paho.org/en/news/24-5-2022-health-authorities-americas-discuss-their-response-covid-19-pandemic-75th-world>

³⁷³¹ Argentina convened an extraordinary meeting of Mercosur Ministers of Health, Associated States, and PAHO representatives to work on a regional response to monkeypox, Ministry of Health (Buenos Aires) 3 June 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.argentina.gob.ar/noticias/argentina-convoco-una-reunion-extraordinaria-de-ministros-de-salud-del-mercosur-estados>

like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁷³²

On 30 June 2022, Minister Cordeiro met with Argentina's Minister of Agriculture, Livestock and Fisheries Julián Domínguez to pledge their joint commitment to global food security.³⁷³³ Minister Cordeiro emphasized the importance of implementing sustainable practices in the agri-food sector as Brazil and Argentina comprise 10 per cent of the global food supply.

On 11 August 2022, the Ministry of Health and National Supplementary Health Agency published a report on proposals to optimize additional health care services.³⁷³⁴ The aim of this initiative was to promote greater quality and choice of health plans for the 49 million beneficiaries.

On 26 October 2022, Ministry of Agriculture, Livestock and Supply announced the schedule for the second stage national vaccination campaign for foot-and-mouth disease, which will last throughout November.³⁷³⁵ Vaccination will take place in ten states for animals under 24 months old.

On 3 November 2022, Ministry of Health announced the inclusion of the Transcatheter Aortic Valve Impact (ITVA), used in the treatment of severe aortic stenosis, in the Table of Procedure, Medicines, Orthoses, Prostheses and Special Materials of the Unified Health System.³⁷³⁶ The investment totals over BRL50 million and aims at helping about five per cent of the population over 75 years of age.

Brazil has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Brazil has demonstrated its dedication to maintaining the healthcare system through ANVISA's funding of rehab centers and treatment for viruses, by training primary health professionals and by promoting the use of the EIOS tool. Additionally, Brazil has also taken many initiatives to implement a One Health approach in decision-making processes with the first meeting of the Agriculture Innovation Mission for Climate and the meetings with China and Egypt.

Thus, Brazil receives a score of +1.

Analyst: Shuaib Chauhan

Canada: +1

Canada has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

³⁷³² G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁷³³ Argentina and Brazil commit to global sustainable food security, Ministry of Agriculture, Livestock and Fisheries of the Nation (Bueno Aires) 30 June 2022. Translation provided by Google Translate. Access Date: 24 September 2022. <https://www.argentina.gob.ar/noticias/argentina-y-brasil-se-comprometen-con-la-seguridad-alimentaria-sostenible-mundial>

³⁷³⁴ Ministry of Health publishes report to provide more transparency to supplementary health services in Brazil, Ministry of Health (Buenos Aires) 12 August 2022. Translated by Google Translate. Access Date: 7 October 2022. <https://www.gov.br/saude/pt-br/assuntos/noticias/2022/agosto/ministerio-da-saude-publica-relatorio-para-dar-mais-transparencia-aos-servicos-de-saude-suplementar-no-brasil>

³⁷³⁵ Second stage of the foot-and-mouth disease vaccination campaign starts on November 1, Ministry of Agriculture, Livestock and Supply (Brasilia) 26 October 2022. Translated by Google Translate. Access Date: 4 November 2022. <https://www.gov.br/agricultura/pt-br/assuntos/noticias-2022/segunda-etapa-da-campanha-de-vacinacao-de-febre-aftosa-comeca-em-10-de-novembro>

³⁷³⁶ Ministry of Health includes treatment for heart valve disease in SUS, Ministry of Health (Brasilia) 3 November 2022. Translated by Google Translate. Access Date: 4 November 2022. <https://www.gov.br/saude/pt-br/assuntos/noticias/2022/novembro/ministerio-da-saude-inclui-tratamento-para-doenca-na-valvula-cardiaca-no-sus>

On 2 November 2021, Prime Minister Justin Trudeau advocated for an increase in global ambition and action to reduce pollution and create new opportunities for workers at the 26th United Nations Climate Change Conference of the Parties (COP26).³⁷³⁷ Canada committed to provide CAD55 million over three years for The Consultative Group on International Agricultural Research to research and transform systems to promote gender equality, create new jobs and livelihoods and deliver global climate and environmental benefits while strengthening food security and ending hunger.

On 2 November 2021, Canada signed the Glasgow Leaders' Declaration on Forests and Land Use at COP26 to stop and reverse deforestation.³⁷³⁸ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 9 November 2021, Minister of Environment and Climate Change Steven Guilbeault announced a CAD10 million investment over five years towards the Climate Clean Air Coalition (CCAC) Trust Fund.³⁷³⁹ The goal of the CCAC fund was to reduce short-lived climate pollutants to fight climate change and protect human health and to “integrate national climate and clean air strategies to reduce the emissions of short-lived climate pollutants across key sectors.”

On 8 December 2021, Minister Guilbeault announced that 105 species at risk conservation projects for 2021-2022 will be funded by more than CAD5.4 million through the Habitat Stewardship Program and the Aboriginal Fund for Species at Risk.³⁷⁴⁰ The goal of this investment was to conserve and restore nature and combat climate change to reduce biodiversity loss.

On 9 December 2021, Minister of Health Jean-Yves Duclos announced an investment of CAD13.7 million in 89 new COVID-19 research projects across Canada.³⁷⁴¹ The research projects include 70 projects focused on understanding impacts of COVID-19 on children, youth and families and 19 projects focused on promoting vaccine confidence and encouraging vaccination among groups with low vaccination rates. The goal of this action was to “provide evidence to help governments, communities, and health care providers” for future pandemic management.

On 14 January 2022, Minister Duclos announced the creation of the Centre for Research on Pandemic Preparedness and Health Emergencies, housed by the Canadian Institutes of Health Research

³⁷³⁷ Prime Minister Trudeau concludes productive United Nations Climate Summit, Prime Minister of Canada (Ottawa) 2 November 2021. Access Date: 11 February 2022. <https://pm.gc.ca/en/news/news-releases/2021/11/02/prime-minister-trudeau-concludes-productive-united-nations-climate>

³⁷³⁸ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁷³⁹ The Government of Canada supports climate and clean air initiatives that will help developing countries reduce methane emissions, Ministry of Environment and Climate Change (Ottawa) 9 November 2021. Access Date: 11 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2021/11/the-government-of-canada-supports-climate-and-clean-air-initiatives-that-will-help-developing-countries-reduce-methane-emissions.html>

³⁷⁴⁰ Government of Canada announces funding for protection of species at risk and their habitats, Ministry of Environment and Climate Change (Ottawa) 8 December 2021. Access Date: 11 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2021/12/government-of-canada-announces-funding-for-protection-of-species-at-risk-and-their-habitats.html>

³⁷⁴¹ Health researchers across Canada launch projects to mitigate impacts of COVID-19 pandemic on children, youth and families, Canadian Institutes of Health Research (Ottawa) 8 December 2021. Access Date: 11 February 2022. <https://www.canada.ca/en/institutes-health-research/news/2021/12/health-researchers-across-canada-launch-projects-to-mitigate-impacts-of-covid-19-pandemic-on-children-youth-and-families0.html>

(CIHR).³⁷⁴² The goal of this centre was to collaborate with other federal departments and agencies, and domestic and international stakeholders and “mobilize knowledge to prevent, prepare for, respond to, and recover from existing and future pandemics and public health emergencies.”

On 19 January 2022, Parliamentary Secretary to the Minister of Agriculture and Agri-Food Francis Drouin and the Saskatchewan Agriculture Minister David Marit announced a CAD5.1 million fund towards new research projects related to livestock and forage in 2022.³⁷⁴³ The goal of this funding was to support 28 projects through Saskatchewan’s Agriculture Development Fund to research subjects such as “the potential of native and tame forage species to enhance carbon sequestration, expanded methods for reproduction diagnostics and improved control and treatments with respect to animal health.”

On 28 January 2022, Canada joined the Sustainable Productivity Growth for Food Security and Resource Conservation (SPG) coalition.³⁷⁴⁴ The goal of the coalition was to take a holistic approach towards developing strategies focused on accelerating the transition to more sustainable food systems through agricultural productivity growth that optimizes sustainability across social, economic and environmental dimensions.

On 17 February 2022, Minister of Agriculture and Agri-Food Marie-Claude Bibeau pledged up to CAD1.5 million for Outcast Foods Inc. to expand their level of food waste reduction that upcycles surplus and unsaleable fruits and vegetables into dried, plant-based powders and solid food ingredients.³⁷⁴⁵ The goal of this funding was to strengthen sustainable food production processes and enhance local food infrastructure to lessen food waste.

On 4 March 2022, Minister Duclos, Minister of Mental Health and Addictions Carolyn Bennett and Minister for Women and Gender Equality and Youth Marci Ien announced the investment of CAD26.3 million in 69 new COVID-19 research projects.³⁷⁴⁶ The goal of this investment was to support a more equitable pandemic recovery for all Canadians but especially for the disproportionately impacted Canadians.

On 11 March 2022, Chief Veterinary Officer Mary Jane Ireland and the US’ Chief Veterinary Officer Rosemary Sifford launched a new protocol to guide the cross-border transit of animals in emergency situations called the Emergency Transit Policy for Regulated Animals.³⁷⁴⁷ The goal of this policy was to make it easier to evacuate animals during natural disasters.

³⁷⁴² Government of Canada creates Centre for Research on Pandemic Preparedness and Health Emergencies, Canadian Institutes of Health Research (Ottawa) 14 January 2022. Access Date: 11 February 2022.

<https://www.canada.ca/en/institutes-health-research/news/2022/01/government-of-canada-creates-centre-for-research-on-pandemic-preparedness-and-health-emergencies.html>

³⁷⁴³ Governments of Canada and Saskatchewan Invest \$5 Million in Livestock Research, Ministry of Agriculture and Agri-Food (Ottawa) 19 January 2022. Access Date: 11 February 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/01/governments-of-canada-and-saskatchewan-invest-5-million-in-livestock-research.html>

³⁷⁴⁴ Canada joins international sustainable agriculture production and food systems coalition, Ministry of Agriculture and Agri-Food (Ottawa) 28 January 2022. Access Date: 11 February 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/01/canada-joins-international-sustainable-agriculture-production-and-food-systems-coalition.html>

³⁷⁴⁵ Government supports efforts to reduce food waste and enhance sustainability, Ministry of Agriculture and Agri-Food (Ottawa) 17 February 2022. Access Date: 13 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/02/government-supports-efforts-to-reduce-food-waste-and-enhance-sustainability.html>

³⁷⁴⁶ New investments for COVID-19 impact research will support an equitable pandemic recovery for all Canadians, Canadian Institutes of Health Research (Ottawa) 4 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/institutes-health-research/news/2022/03/new-investments-for-covid-19-impact-research-will-support-an-equitable-pandemic-recovery-for-all-canadians.html>

³⁷⁴⁷ Canada-US agree on cross-border animal transport protocol, The Poultry Site (London) 11 March 2022. Access Date: 19 June 2022. <https://www.thepoultrysite.com/news/2022/03/canada-us-agree-on-cross-border-animal-transport-protocol>

On 23 March 2022, the CIHR and its partners announced their support for two new research initiatives that align with the UN Research Roadmap.³⁷⁴⁸ The first investment is worth CAD20 million towards Women RISE which is led by the International Development Research Centre for an equitable COVID-19 recovery. The second investment is worth CAD24 million towards the New Frontiers in Research Fund 2022. The initiatives aim to support global recovery from the COVID-19 pandemic.

On 6 April 2022, Minister Bibeau and Manitoba Agriculture Minister Derek Johnson announced an investment of CAD2.2 million to modernize Manitoba's Animal Health Laboratory Information Management System.³⁷⁴⁹ The goal of this investment was to strengthen Manitoba's animal disease surveillance program, improve overall diagnostic service delivery in agriculture and enhance capacity to diagnose animal diseases.

On 8 April 2022, Canada pledged CAD220 million in funding toward the Gavi COVAX initiative at the Break COVID Now Summit co-hosted by Germany, Indonesia, Ghana, Senegal and Gavi which is the Vaccine Alliance.³⁷⁵⁰ The goal of this investment was to ensure equitable global access to COVID-19 vaccines.

On 11 April 2022, Minister of Housing and Diversity and Inclusion Ahmed Hussen added CAD470 million to the On-Farm Climate Action Fund.³⁷⁵¹ On 22 February 2022, Minister Bibeau and Parliamentary Secretary Drouin had pledged up to CAD187.2 million for 12 recipient organizations to deliver the On-Farm Climate Action Fund across Canada.³⁷⁵² The goal of the fund was to support farmers in areas like cover-cropping, nitrogen management and rotational grazing and assist domestic producers in meeting national emissions reduction targets, improving resilience to climate change and strengthening agricultural competitiveness.

On 25 April 2022, Minister Duclos announced a CAD6.7 million investment fund for a new pediatric COVID-19 research platform called the Pediatric Outcome Improvement through Coordination of Research Networks (POPCORN).³⁷⁵³ POPCORN will support 16 research sites in pediatric hospitals across Canada and "facilitate the sharing of COVID-19 information between these sites to ensure a coordinated research response." This action aims to mobilize research organizations to provide the latest evidence to national and global decision-makers.

³⁷⁴⁸ UN Research Roadmap guides investments in research to support global recovery from COVID-19 pandemic, Canadian Institutes of Health Research (Ottawa) 23 March 2022. Access Date: 14 May 2022.

<https://www.canada.ca/en/institutes-health-research/news/2022/03/un-research-roadmap-guides-investments-in-research-to-support-global-recovery-from-covid-19-pandemic.html>

³⁷⁴⁹ Canada and Manitoba invest more than \$2 million to strengthen animal disease preparedness, Ministry of Agriculture and Agri-Food (Ottawa) 6 April 2022. Access Date: 13 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/04/canada-and-manitoba-invest-more-than-2-million-to-strengthen-animal-disease-preparedness.html>

³⁷⁵⁰ World leaders commit US\$4.8 billion to help break COVID now, Gavi Vaccine Alliance (Geneva) 8 April 2022. Access Date: 17 June 2022. <https://www.gavi.org/news/media-room/world-leaders-commit-us-48-billion-help-break-covid-now>

³⁷⁵¹ Investing in sustainable agriculture to fight climate change, Infrastructure Canada (Regina) 11 April 2022. Access Date: 19 June 2022. <https://www.canada.ca/en/office-infrastructure/news/2022/04/investing-in-sustainable-agriculture-to-fight-climate-change.html>

³⁷⁵² Government of Canada announces up to \$182.7 million to partner organizations to help farmers lower emissions and improve resiliency to climate change, Ministry of Agriculture and Agri-Food (Ottawa) 22 February 2022. Access Date: 13 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/02/government-of-canada-announces-up-to-1827-million-to-partner-organizations-to-help-farmers-lower-emissions-and-improve-resiliency-to-climate-change.html>

³⁷⁵³ New investment in collaborative research will address the impacts of COVID-19 on children and youth, Canadian Institutes of Health Research (Ottawa) 25 April 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/institutes-health-research/news/2022/04/new-investment-in-collaborative-research-will-address-the-impacts-of-covid-19-on-children-and-youth.html>

On 27 April 2022, Minister Bibeau invested up to CAD1.9 million to help the Canadian Food Innovation Network develop a digital food innovation hub.³⁷⁵⁴ The goal of this project was to collaborate with the individual components of the national food ecosystem and create an interactive online community by developing and utilizing digital technology.

On 5 May 2022, Minister Guilbeault pledged CAD2.8 million to SaskPower from the Low Carbon Economy Fund to support its Northern First Nations Home Retrofit Program.³⁷⁵⁵ The program aims to reduce energy costs for Northern First Nations communities by retrofitting homes with improved insulation, upgraded pipes and LED light installation. This action aims to continue to fulfill Canada's commitment to combating climate change and building a strong clean economy.

On 13 May 2022, Minister Bibeau met with other G7 Agriculture Ministers in Stuttgart to discuss the consequences of Russia's invasion of Ukraine on global food security and nutrition.³⁷⁵⁶ The G7 ministers committed to avoid any restrictions on food exports and continue work on creating a more sustainable and resilient agricultural system.

On 19 May 2022, Minister Duclos met with other G7 Health Ministers in Berlin to discuss the integration of One Health within existing systems.³⁷⁵⁷ The G7 ministers committed to a more inclusive and equity-driven pandemic prevention response system as supported by the World Health Organization (WHO).

On 23 May 2022, Minister Duclos attended the WHO's 75th World Health Assembly in Geneva, Switzerland under the theme "Health for Peace, Peace for Health."³⁷⁵⁸ Minister Duclos supported the idea of a new multilateral instrument aimed at ensuring better emergency preparedness.

On 24 May 2022, Minister Duclos announced that there are "many actions underway to identify and contain the spread of monkeypox in Canada" and that they are prepared to respond to emerging public health events and take precautions to prevent the introduction and spread of communicable diseases.³⁷⁵⁹ This statement aims to reflect on Canada's ongoing efforts to address the emergence of new monkeypox cases.

On 24 May 2022, Minister Bibeau invested over CAD15.2 million under the Agricultural Clean Technology (ACT) Program to support the adoption of clean technologies for 47 projects throughout

³⁷⁵⁴ Government of Canada invests in digital food innovation hub to create a stronger food system in Canada, Ministry of Agriculture and Agri-Food (Ottawa) 27 April 2022. Access Date: 13 May 2022.

<https://www.canada.ca/en/agriculture-agri-food/news/2022/04/government-of-canada-invests-in-digital-food-innovation-hub-to-create-a-stronger-food-system-in-canada.html>

³⁷⁵⁵ \$2.2-billion expansion of the Low Carbon Economy Fund to support projects like Northern First Nations Home Retrofit Program, Ministry of Environment and Climate Change (Ottawa) 5 May 2022. Access Date: 14 May 2022.

<https://www.canada.ca/en/environment-climate-change/news/2022/05/22-billion-expansion-of-the-low-carbon-economy-fund-to-support-projects-like-northern-first-nations-home-retrofit-program.html>

³⁷⁵⁶ Pathways Towards Sustainable Food Systems in Times of Crises, Group of Seven Germany (Berlin) 14 May 2022.

Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_International-Affairs/g7-2022-kommunique-en.pdf?__blob=publicationFile&v=5

³⁷⁵⁷ G7 Health Ministers' Communique, Group of Seven Germany (Berlin) 20 May 2022. Access Date: 19 June 2022.

<https://www.g7germany.de/resource/blob/974430/2042058/5651daa321517b089cdccaffd1e37a1/2022-05-20-g7-health-ministers-communique-data.pdf?download=1>

³⁷⁵⁸ Health authorities of the Americas discuss their response to the COVID-19 pandemic at the 75th World Health Assembly, Pan American Health Organization (Geneva) 24 May 2022. Access Date: 19 June 2022. <https://www.paho.org/en/news/24-5-2022-health-authorities-americas-discuss-their-response-covid-19-pandemic-75th-world>

³⁷⁵⁹ Statement from the Minister of Health on Canada's Response to Monkeypox, Public Health Agency of Canada (Ottawa) 24 May 2022. Access Date: 11 June 2022. <https://www.canada.ca/en/public-health/news/2022/05/statement-from-the-minister-of-health-on-canadas-response-to-monkeypox.html>

Canada.³⁷⁶⁰ The goal of this investment was to reduce greenhouse gas emissions through advancing research and innovation, increasing the number of farmers adopting beneficial management practices and facilitating their access to clean technologies.

On 30 May 2022, Minister Bibeau and Minister Marit pledged CAD3.2 million in funding for research on carbon sequestration in perennial forage and pastures.³⁷⁶¹ The project is co-funded by the Saskatchewan Cattlemen's Association and jointly undertaken by Angela Bedard-Haughn of the University of Saskatchewan and Cameron Carlyle of the University of Alberta over the next five years. The goal of this project was to advance research to address the complex challenges faced by the agricultural and agri-food sectors.

On 1 June 2022, Minister of Natural Resources Jonathan Wilkinson launched the first phase of the Regional Energy and Resource Tables as part of “the commitment to work with provinces, territories and other partners to take advantage of the unprecedented economic opportunities presented by a low-carbon future.”³⁷⁶² This initial phase of engagement will focus on British Columbia, Manitoba and Newfoundland and Labrador and prepare the provinces to seize the opportunities enabled by a low-carbon future. The initiative aims to take advantage of the economic opportunities fostered by a low-carbon future.

On 2 June 2022, Minister Guilbeault and India's Minister of Environment, Forest and Climate Change Bhupender Yadav signed a Memorandum of Understanding (MOU) to increase bilateral cooperation on climate action and environmental protection and conservation.³⁷⁶³ The goal of this MOU was to work more closely with India to support the collective interests of shifting to a zero-plastic waste future.

On 6 June 2022, Parliamentary Secretary to the Minister of Innovation, Science and Industry Andy Fillmore announced the CIHR's investment of CAD1.5 million towards three projects in Nova Scotia.³⁷⁶⁴ The goal of this investment was to fund the study of the wider health impacts of COVID-19 on children with complex health needs and equity-deserving communities as part of the ongoing investments in research to support the national COVID-19 response.

On 9 June 2022, Minister Bibeau participated in the annual Group Export Agri-Food Québec-Canada meeting and pledged up to CAD2,731,384 over two years to help exporters increase the volume and

³⁷⁶⁰ The Government of Canada supports farmers in reducing greenhouse gas emissions with over \$15.2 million in clean technology, Ministry of Agriculture and Agri-Food (Ottawa) 24 May 2022. Access Date: 11 June 2022.

<https://www.canada.ca/en/agriculture-agri-food/news/2022/05/the-government-of-canada-supports-farmers-in-reducing-greenhouse-gas-emissions-with-over-152-million-in-clean-technology.html>

³⁷⁶¹ Governments of Canada and Saskatchewan invest in research on carbon sequestration in pasture and forage lands, Ministry of Agriculture and Agri-Food (Ottawa) 30 May 2022. Access Date: 11 June 2022.

<https://www.canada.ca/en/agriculture-agri-food/news/2022/05/governments-of-canada-and-saskatchewan-invest-in-research-on-carbon-sequestration-in-pasture-and-forage-lands.html>

³⁷⁶² Regional Tables Launched to Collaboratively Drive Economic Opportunities in a Prosperous Net-Zero Future, Ministry of Natural Resources (Ottawa) 1 June 2022. Access Date: 10 June 2022. <https://www.canada.ca/en/natural-resources-canada/news/2022/06/regional-tables-launched-to-collaboratively-drive-economic-opportunities-in-a-prosperous-net-zero-future.html>

³⁷⁶³ Canada and India sign Memorandum of Understanding to establish stronger cooperation on environmental protection and climate action, Ministry of Environment and Climate Change (Ottawa) 2 June 2022. Access Date: 10 June 2022.

<https://www.canada.ca/en/environment-climate-change/news/2022/06/canada-and-india-sign-memorandum-of-understanding-to-establish-stronger-cooperation-on-environmental-protection-and-climate-action.html>

³⁷⁶⁴ Researchers in Nova Scotia receive federal funding to address the wider health impacts of COVID-19 on Canadians, Canadian Institutes of Health Research (Ottawa) 6 June 2022. Access Date: 24 September 2022.

<https://www.canada.ca/en/institutes-health-research/news/2022/06/researchers-in-nova-scotia-receive-federal-funding-to-address-the-wider-health-impacts-of-covid-19-on-canadians.html>

value of agriculture and agri-food exports.³⁷⁶⁵ The aim of this action was to assist domestic producers grow and diversify their markets.

On 20 June 2022, Minister Duclos met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁷⁶⁶

On 22 June 2022, Minister Bibeau and the Minister of Agriculture, Fisheries and Food and Minister responsible for the Chaudière-Appalaches region and the Centre-du-Québec region André Lamontagne jointly announced a fund of CAD1,956,876 to Université Laval and the École de technologie supérieure in support of their research on greenhouse gases.³⁷⁶⁷ This fund “will help establish two research and teaching chairs at Université Laval and develop a new greenhouse model, specific to Quebec, with sustainable materials, by the École de technologie supérieure.”

On 6 July 2022, Minister Bibeau pledged CAD1 million to SomaDetect Inc. and Vivid Machines Inc. through the AgriScience Program to improve farm management.³⁷⁶⁸ The aim of this funding was to develop technologies to aid farmers in finding efficiencies and cost savings in their daily operations.

On 7 July 2022, Minister Duclos announced a CAD10 million investment under the collaboration between the CIHR, Health Canada and the Public Health Agency of Canada to create a pan-Canadian platform for researching the effectiveness and clinical challenges of new COVID-19 treatments in non-hospitalized patients.³⁷⁶⁹ The investment aims to provide crucial insights into whether outpatient medication treatments prevent hospitalization and post-COVID-19 conditions.

On 14 July 2022, Minister Guilbeault met US’ Administrator of the Environmental Protection Agency Michael Regan and Mexico’s Secretary of the Environment and Natural Resources María Luisa Albores González for the 29th Annual Council Session and the Public Forum of the Joint Public Advisory Committee of the Commission for Environmental Cooperation.³⁷⁷⁰ The goal of this program was to promote changes in consumption and attitudes toward climate change in marginalized communities.

³⁷⁶⁵ Government of Canada invests over \$2.7 million to grow agri-food exports, Ministry of Agriculture and Agri-Food (Ottawa) 9 June 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/06/government-of-canada-invests-over-27-million-to-grow-agri-food-exports.html>

³⁷⁶⁶ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁷⁶⁷ Ottawa and Quebec provide nearly \$2 million in funding to stimulate research in the greenhouse sector, Ministry of Agriculture and Agri-Food (Ottawa) 22 June 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/06/ottawa-and-quebec-provide-nearly-2-million-in-funding-to-stimulate-research-in-the-greenhouse-sector.html>

³⁷⁶⁸ Government of Canada invests over \$1 million in new technologies to improve farm management, Ministry of Agriculture and Agri-Food (Ottawa) 6 July 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/07/government-of-canada-invests-over-1-million-in-new-technologies-to-improve-farm-management.html>

³⁷⁶⁹ Government of Canada invests \$10 million in research on outpatient medications for COVID-19, Canadian Institutes of Health Research (Ottawa) 7 July 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/institutes-health-research/news/2022/07/government-of-canada-invests-10-million-in-research-on-outpatient-medications-for-covid-19.html>

³⁷⁷⁰ Ministers from Mexico, the US and Canada meet in Mérida to reinforce commitments to protect and improve the environment of North America, Secretary of Environment and Natural Resources (Mexico City) 14 July 2022. Translation Provided by Google Translate. Access Date: 24 September 2022.

<https://www.gob.mx/semarnat/prensa/los-ministros-de-medio-ambiente-de-mexico-eu-y-canada-se-reunen-en-merida-yucatan-para-reforzar-compromisos-trilaterales-para-preservar-proteger-y-mejorar-el-medio-ambiente-de-america-del-norte?idiom=es>

On 18 July 2022, Minister Bibeau announced 28 additional projects under the ACT program and pledged more than CAD8.7 million to adopt clean technology across Canada.³⁷⁷¹ The expanded program aims to reduce greenhouse gas emissions by 0.8 megatons per year and drive changes needed to achieve a low-carbon economy.

On 3 August 2022, Minister Bibeau pledged over CAD1.8 million under the AgriAssurance Program to assist Bioindustrial Innovation Canada.³⁷⁷² This pledge aims to support Bioindustrial Innovations Canada in advancing quality standards to accelerate the growth of the agriculture sector's bioeconomy.

On 8 August 2022, Minister Bibeau announced up to CAD3 million under the AgriAssurance Program to three national organizations to enhance animal welfare and tracking.³⁷⁷³ The aim of this investment was to improve capacities for implementing best agricultural practices to improve animal welfare.

On 15 August 2022, Minister Bibeau and Member of Parliament Kody Blois announced an investment of CAD8.5 million under the On-Farm Climate Action Fund for Perennia Food and Agriculture Inc. to support farmers across Nova Scotia, Newfoundland and Labrador.³⁷⁷⁴ The goal of this investment was to help farmers adopt sustainable farming practices to build climate change resilience.

On 26 August 2022, Minister Bibeau announced an investment of CAD45.3 million to enhance the preparedness and prevention efforts against African swine fever.³⁷⁷⁵

On 6 September 2022, Parliamentary Secretary Drouin announced an investment of more than CAD1.4 million to support SixRing Inc.'s low-energy biomass conversion process that converts agricultural wastes into renewable fuels and sustainable materials.³⁷⁷⁶ This investment aims to advance clean technology that can improve the bottom line for farmers while lowering greenhouse gas emissions.

Canada has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Canada has pursued actions on an international level like the climate pledge at COP26, the investment towards the CCAC Trust Fund, joining the SPG coalition and working with WHO Health Ministers of the Americas as well as collaborating with G20 ministers to implement a One Health approach in decision-making processes. Canada has also implemented a One Health approach in policies as seen with its creation of the Centre

³⁷⁷¹ Government of Canada invests more than \$8.7 million to help farmers adopt clean technologies to reduce greenhouse gas, Ministry of Agriculture and Agri-Food (Ottawa) 18 July 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/07/government-of-canada-invests-more-than-87-million-to-help-farmers-adopt-clean-technologies-to-reduce-greenhouse-gas.html>

³⁷⁷² Government of Canada invests \$1.8 million in green economy, Ministry of Agriculture and Agri-Food (Ottawa) 3 August 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/08/government-of-canada-invests-18-million-in-green-economy.html>

³⁷⁷³ Government of Canada invests in improving animal welfare, Ministry of Agriculture and Agri-Food (Ottawa) 8 August 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/08/government-of-canada-invests-in-improving-animal-welfare.html>

³⁷⁷⁴ Government of Canada invests \$8.5 million to help farmers in Nova Scotia and Newfoundland and Labrador adopt sustainable practices, Ministry of Agriculture and Agri-Food (Ottawa) 15 August 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/08/government-of-canada-invests-85-million-to-help-farmers-in-nova-scotia-and-newfoundland-and-labrador-adopt-sustainable-practices.html>

³⁷⁷⁵ Government of Canada announces up to \$45.3 million to enhance African swine fever prevention and preparedness, Ministry of Agriculture and Agri-Food (Ottawa) 26 August 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/08/government-of-canada-announces-up-to-453-million-to-enhance-african-swine-fever-prevention-and-preparedness.html>

³⁷⁷⁶ Government of Canada invests over \$1.4 million in SixRing clean technology, Ministry of Agriculture and Agri-Food (Ottawa) 6 September 2022. Access Date: 24 September 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/09/government-of-canada-invests-over-14-million-in-sixring-clean-technology.html>

for Research on Pandemic Preparedness and Health Emergencies, the funding of COVID-19 research projects and the establishment of national resources like POPCORN and ACT.

Thus, Canada receives a score of +1.

Analyst: Kaitlyn Zhaoyue Wang

China: +1

China has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, China signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties to stop and reverse deforestation.³⁷⁷⁷ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 5 November 2021, Vice Minister of Agriculture and Rural Affairs Ma Youxiang delivered a keynote speech in Shanghai at the Cooperation for Development: Global Agricultural Trade and Rural Revitalization which is a parallel session under the fourth Hongqiao International Economic Forum.³⁷⁷⁸ The goal of the agriculture-focused parallel session was to provide a “platform for the political community, academia, and industry” from domestic and abroad to exchange knowledge on “promoting global agricultural trade and rural revitalization in China.”

On 26 November 2021, Minister of the National Health Commission Ma Xiaowei and the UK's Secretary of State for Health Sajid Javid attended a video conference to strengthen China-UK health collaboration.³⁷⁷⁹ During the conference, Minister Ma and Secretary Javid exchanged in-depth knowledge on issues such as COVID-19 prevention and control, diagnosis, treatment and testing, vaccine research and development and global health security.

On 2 December 2021, Chief Veterinary Officer Li Jinxiang announced the commitment to address key issues in researching the Classical Swine Fever (CSF) and African Swine Fever (ASF) and developing eradication strategies for CSF and control measures for ASF at the 2021 International Symposium on CSF.³⁷⁸⁰ In response to the COVID-19 pandemic, the World Organization for Animal Health (OIE), the Food and Agriculture Organization of the United Nations (FAO) and the World Health Organization (WHO) committed to furthering cooperation. Chief Veterinary Officer Li additionally noted that this cooperation implemented the One Health concept regarding health threats to human beings, animals, plants, the environment and provided new perspectives for controlling global major animal diseases.

On 8 December 2021, Vice Minister Ma pledged to cooperate with the Pacific Island Countries (PICs) to forge a closer relationship based on equality and mutual benefit in four ways at the First China-PICs

³⁷⁷⁷ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁷⁷⁸ Agriculture-featured Parallel Session of 4th Hongqiao International Economic Forum Held in Shanghai, Ministry of Agriculture and Rural Affairs (Beijing) 7 November 2021. Access Date: 20 February 2022. http://english.moa.gov.cn/news_522/202111/t20211109_300747.html

³⁷⁷⁹ China, UK to deepen health cooperation, National Health Commission (Beijing) 1 December 2021. Access Date: 20 February 2022. http://en.nhc.gov.cn/2021-12/01/c_85263.htm

³⁷⁸⁰ 2021 International Symposium on Classical Swine Fever Held, Ministry of Agriculture and Rural Affairs (Beijing) 6 December 2021. Access Date: 20 February 2022. http://english.moa.gov.cn/news_522/202112/t20211208_300760.html

Forum on Fishery Cooperation in Guangzhou, Guangdong.³⁷⁸¹ Firstly, by improving mechanisms such as establishing a multilateral intergovernmental consultation mechanism on fisheries. Secondly, by jointly combating illegal, unreported and unregulated fishing and leveraging the South-South Cooperation Trust Fund with the FAO. Thirdly, by enhancing cooperation in aquacultural technology, fishery facilities and equipment and aquatic products processing. Lastly, by promoting market access and free trade and investment in PICs concerning fishing, fishing harbour construction, fishing boat repair and building and cold chain logistics.

On 13 December 2021, Vice Premier Sun Chunlan pledged to further efforts in strengthening international health cooperation and making a more significant contribution in promoting global health equity. Vice Premier Sun said “the Chinese government has always given top priority to the safety of people’s lives and health, ensuring the health and safety of about one-sixth of the world’s population, and the medical and health system has withstood the test of COVID-19.”³⁷⁸² The goal of this statement was to support the health systems of developing countries to promote global health equity and “build a community of common health for humanity.”

On 14 January 2022, the Ministry of Agriculture and Rural Affairs and the FAO signed the General Agreement on Phase III of the China-FAO South-South Cooperation Trust Fund.³⁷⁸³ Under this agreement, China pledged to donate an additional USD50 million to the FAO to accelerate the implementation of the UN 2030 Agenda for Sustainable Development and promote development in developing countries.

On 15 February 2022, Chief Epidemiologist at the Chinese Center for Disease Control and Prevention Wu Zunyou discussed the utilization of teams to study necessary improvements in national COVID-19 prevention and control measures.³⁷⁸⁴ The goal of this initiative was to control the spread of the epidemic.

On 10 March 2022, Vice Minister Ma attended the Ministerial Session of the 36th FAO Asia and Pacific Regional Conference and discussed China’s position on priority development areas of safeguarding food security in Asia and the Pacific region.³⁷⁸⁵ During the conference, Vice Minister Ma presented three proposals to work towards this goal: by prioritizing the development of agriculture and rural affairs and actively supporting the Global Development Initiative, by adhering to green agricultural development and by strengthening regional coordination and conducting cooperation to prevent animal and plant diseases.

On 13 April 2022, the Ministry of Agriculture and Rural Affairs committed to ensuring the production of spring farming and agricultural supplies to meet consumer demands amidst the domestic resurgence of COVID-19.³⁷⁸⁶ The Ministry strived to prevent and control pests and diseases during the spring

³⁷⁸¹ The First China-Pacific Island Countries Forum on Fishery Cooperation and Development Held, Ministry of Agriculture and Rural Affairs (Beijing) 10 December 2021. Access Date: 20 February 2022. http://english.moa.gov.cn/news_522/202112/t20211210_300762.html

³⁷⁸² China ready to deepen int'l health cooperation: vice premier, National Health Commission (Beijing) 14 December 2021. Access Date: 20 February 2022. http://en.nhc.gov.cn/2021-12/14/c_85347.htm

³⁷⁸³ China Donates an Additional \$50 Million to FAO-China SSC Trust Fund, Ministry of Agriculture and Rural Affairs (Beijing) 14 January 2022. Access Date: 20 February 2022. http://english.moa.gov.cn/news_522/202201/t20220114_300778.html

³⁷⁸⁴ Teams look to improve country's COVID response, National Health Commission (Beijing) 21 February 2022. Access Date: 14 May 2022. http://en.nhc.gov.cn/2022-02/21/c_85857.htm

³⁷⁸⁵ Ministerial Session of 36th FAO Asia and Pacific Regional Conference Held, Ministry of Agriculture and Rural Affairs (Beijing) 14 March 2022. Access Date: 14 May 2022. http://english.moa.gov.cn/news_522/202203/t20220314_300816.html

³⁷⁸⁶ China pledges all-out efforts to ensure farm produce supply, Ministry of Agriculture and Rural Affairs (Beijing) 14 April 2022. Access Date: 14 May 2022. http://english.moa.gov.cn/news_522/202204/t20220414_300837.html

farming season whilst ensuring a steady supply of agricultural machinery parts and transportation of farm produce.

On 20 April 2022, China and Russia held the 30th Meeting of the Mixed Committee on Fisheries Cooperation.³⁷⁸⁷ The goal of this cooperative meeting was to talk about collaborative fishing protocols and agreements, discuss mutual interests, review bilateral cooperation and identify necessary measures to crack down on the illegal trade of aquatic produce.

On 27 April 2022, Vice Minister Ma and Cambodia's Secretary of State for the Ministry of Agriculture, Forestry and Fisheries Hean Vanhan co-chaired the second meeting of the China-Cambodia Steering Committee on Agricultural Cooperation.³⁷⁸⁸ During the conference, the two ministers exchanged agricultural knowledge, deepened bilateral cooperation and signed a Memorandum of Understanding to promote cooperation in the banana industry.

On 1 May 2022, China implemented the annual summer fishing ban in the seas in the north, south and east regions to conserve marine fishery.³⁷⁸⁹ Covering the Bohai Sea, the Yellow Sea, the East China Sea and the northern areas of the South China Sea, this fishing ban aims to promote sustainable marine fishery development and improve marine ecology.

On 10 May 2022, Chief Veterinary Officer Li delivered a keynote speech at FAO's Asia-Pacific Regional Launch Event of the Global Action on Green Development of Special Agricultural Products: One Country One Priority Product.³⁷⁹⁰ The goal of this action was to collaborate at a multilateral level to improve the efficiency, inclusivity, resiliency and sustainability of agri-food systems by boosting the green development of respective special agro-products.

On 10 May 2022, Minister Ma and Brazil's Minister of Health Marcelo Queiroga attended a video meeting to deepen bilateral and multilateral health cooperation.³⁷⁹¹ During the conference, the two ministers talked about strengthening communication and coordination in multilateral domains and promoting enhanced bilateral health cooperation.

On 18 May 2022, China and Vietnam jointly held fishery release activities in the Beibu Gulf in Beihai, China, and Halong, Vietnam.³⁷⁹² Vice Minister Ma and Vietnam's Deputy Minister of Agriculture and Rural Development Phung Duc Tien underlined the importance of fish release and restocking, law enforcement of fishery and fisheries emergency response.

On 22 May 2022, Minister Ma attended the 75th World Health Assembly and delivered a speech via video conference on the theme of "Health For Peace, Peace For Health."³⁷⁹³ The goal of this event

³⁷⁸⁷ China, Russia Hold 30th Meeting of Mixed Committee on Fisheries Cooperation, Ministry of Agriculture and Rural Affairs (Beijing) 28 April 2022. Access Date: 14 May 2022. http://english.moa.gov.cn/news_522/202204/t20220428_300848.html

³⁷⁸⁸ China, Cambodia Hold 2nd Meeting of Steering Committee on Agricultural Cooperation, Ministry of Agriculture and Rural Affairs (Beijing) 29 April 2022. Access Date: 14 May 2022. http://english.moa.gov.cn/news_522/202204/t20220429_300850.html

³⁷⁸⁹ China begins annual summer fishing ban, Ministry of Agriculture and Rural Affairs (Beijing) 2 May 2022. Access Date: 15 May 2022. http://english.moa.gov.cn/news_522/202205/t20220502_300852.html

³⁷⁹⁰ China's CVO Li Jinxiang Addresses FAO's One Country One Priority Product Initiative in Asia-Pacific, Ministry of Agriculture and Rural Affairs (Beijing) 11 May 2022. Access Date: 12 June 2022. http://english.moa.gov.cn/news_522/202205/t20220511_300858.html

³⁷⁹¹ China, Brazil to boost health cooperation, exchanges, National Health Commission (Beijing) 13 May 2022. Access Date: 15 May 2022. http://en.nhc.gov.cn/2022-05/13/c_85956.htm

³⁷⁹² China, Vietnam Cooperate in Fishery Release and Conservation in the Beibu Bay, Ministry of Agriculture and Rural Affairs (Beijing) 19 May 2022. Access Date: 12 June 2022. http://english.moa.gov.cn/news_522/202205/t20220520_300862.html

³⁷⁹³ NHC minister attends 75th World Health Assembly, National Health Commission (Beijing) 26 May 2022. Access Date: 12 June 2022. http://en.nhc.gov.cn/2022-05/26/c_85990.htm

was to cooperate with the international community to facilitate the construction of a global community of health and show continuous support for WHO in promoting fair access to COVID-19 vaccinations.

On 25 May 2022, the Ministry of Agriculture and Rural Affairs launched the first voluntary fishing moratorium covering international waters in the northern Indian Ocean.³⁷⁹⁴ All distant-water fishing vessels will suspend operations in targeted waters during the moratorium period.

On 20 June 2022, Minister Ma met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁷⁹⁵

On 28 June 2022, Minister Ma met with US Ambassador to China Nicholas Burns to exchange views on bilateral health communication and cooperation.³⁷⁹⁶ The goal of the meeting was to exchange COVID-19 prevention and control policies and scientific measures while enhancing Sino-US diplomatic relations.

On 29 July 2022, Vice Minister Ma and Korea's Vice Minister of Oceans and Fisheries Song Sang-Keun attended the 4th China-ROK Joint Fish release held simultaneously in Yantai, China and Mokpo, Jeollanam-do, Korea.³⁷⁹⁷ The release of over two million fish fry of various aquatic species such as black rockfish, small yellow croakers, gazami crabs and green fin horse-faced filefish into the Yellow Sea celebrated the 30th anniversary of the establishment of China-ROK diplomatic relations. The goal of this event was to strengthen bilateral cooperation in marine ecological conservation and the rehabilitation of marine fishery resources.

On 17 August 2022, China allocated RMB300 million towards relief funds to assist agricultural production in regions affected by floods, droughts and typhoons.³⁷⁹⁸ The fund aimed to “subsidize the purchase of seeds, seedlings, fertilizers, pesticides and other materials needed by the disaster-stricken areas, as well as for the restoration of agricultural production facilities.”

On 19 August 2022, the Ministry of Agriculture and Rural Affairs sent agricultural experts to Phnom Penh, Cambodia for a 60-day assistance mission regarding agricultural development planning.³⁷⁹⁹ The goal of the dispatch mission was for China to support Cambodia in formulating their national modern agriculture development plan and strengthen bilateral cooperation in processing agricultural products as part of the Belt and Road Forum for International Cooperation.

On 2 September 2022, Vice Minister Ma attended the First International Conference on Trade in Agricultural Services hosted by the Ministry of Agriculture and Rural Affairs.³⁸⁰⁰ The purpose of this

³⁷⁹⁴ China Implements Voluntary Fishing Moratorium in Northern Indian Ocean, Ministry of Agriculture and Rural Affairs (Beijing) 27 May 2022. Access Date: 12 June 2022. http://english.moa.gov.cn/news_522/202205/t20220527_300869.html

³⁷⁹⁵ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022.

<https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁷⁹⁶ NHC minister meets with US ambassador to China, National Health Commission (Beijing) 4 July 2022. Access Date: 25 September 2022. http://en.nhc.gov.cn/2022-07/04/c_86030.htm

³⁷⁹⁷ China, ROK Release over 2 Million Fish Fry, Ministry of Agriculture and Rural Affairs (Beijing) 1 August 2022. Access Date: 25 September 2022. http://english.moa.gov.cn/news_522/202208/t20220801_300934.html

³⁷⁹⁸ China allocates 300m yuan to support agriculture in disaster-hit regions, Ministry of Agriculture and Rural Affairs (Beijing) 17 August 2022. Access Date: 25 September 2022. http://english.moa.gov.cn/news_522/202208/t20220817_300948.html

³⁷⁹⁹ Chinese Agricultural Experts Arrive in Cambodia to Assist Agricultural Development, Ministry of Agriculture and Rural Affairs (Beijing) 19 August 2022. Access Date: 25 September 2022. http://english.moa.gov.cn/news_522/202208/t20220822_300950.html

³⁸⁰⁰ 1st International Conference on Trade in Agricultural Services Convened in Beijing, Ministry of Agriculture and Rural Affairs (Beijing) 4 September 2022. Access Date: 25 September 2022.

http://english.moa.gov.cn/news_522/202209/t20220905_300962.html

action was to strengthen global cooperation to promote innovative development, stabilize global agricultural supply chains and promote sustainable agricultural development.

On 9 September 2022, Deputy Director-General of the Foreign Economic Cooperation Center of the Ministry of Agriculture and Rural Affairs Li Zhiping and Deputy Director of the Department of International Cooperation of Ministry of Agriculture and Rural Affairs Wei Zhenglin hosted Germany's Deputy Director of the Department of International Cooperation and World Food Affairs of the Federal Ministry of Food and Agriculture Cornelia Berns at the Kickoff Meeting for Phase III Project of the Sino-German Agricultural Centred.³⁸⁰¹ The goal of this meeting was to enhance Sino-German agricultural cooperation.

On 12 September 2022, the Ministry of Agriculture and Rural Affairs, the Chinese Academy of Agricultural Sciences and the Consultative Group on International Agricultural Research co-hosted the Second International Wheat Congress.³⁸⁰² The goal of this congress was for wheat scientists to cooperate and develop strategies for the effective use of wheat genetic resources and increase wheat productivity by promoting genetic resource propagation.

On 15 September 2022, Chief Livestock Officer Zhang Tianzuo attended the 2022 Shanghai Cooperation Organization Modern Agriculture Development Roundtable co-sponsored by the People's Government of Shaanxi Province and the Shanghai Cooperation Organization.³⁸⁰³ Chief Livestock Officer Zhang emphasized the importance of strengthening exchanges in agricultural technology while accelerating global poverty reduction and economic and social progress.

China has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Their level of compliance is demonstrated through their efforts to strengthen international health cooperation by working with the FAO, OIE, WHO and G20 Health Ministers, discussing key health issues at the Cooperation for Development: Global Agricultural Trade and Rural Revitalization conference, collaborating with the PICs on fishery and strengthening bilateral relations with the UK and Brazil on COVID-19 prevention and control techniques.

Thus, China receives a score of +1.

Analyst: Kaitlyn Zhaoyue Wang

France: +1

France has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, France signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties (COP26) to stop and reverse deforestation.³⁸⁰⁴ The goal of this agreement was to pursue policies enhancing sustainable agriculture

³⁸⁰¹ Kickoff Meeting for Phase III Project of Sino-German Agricultural Centre Held, Ministry of Agriculture and Rural Affairs (Beijing) 13 September 2022. Access Date: 25 September 2022.

http://english.moa.gov.cn/cooperation/202209/t20220916_300968.html

³⁸⁰² 2nd International Wheat Congress Held in Beijing, Ministry of Agriculture and Rural Affairs (Beijing) 20 September 2022. Access Date: 25 September 2022. http://english.moa.gov.cn/news_522/202209/t20220922_300973.html

³⁸⁰³ 2022 SCO Modern Agriculture Development Roundtable Held, Ministry of Agriculture and Rural Affairs (Beijing) 17 September 2022. Access Date: 25 September 2022. http://english.moa.gov.cn/news_522/202209/t20220919_300972.html

³⁸⁰⁴ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 5 November 2021, France ordered a “poultry lockdown” whereby farmers had to keep poultry flocks indoors amid a “rising infection rate” of bird flu.³⁸⁰⁵ The goal of this measure was to protect poultry farms from the spread of infection.

On 18 November 2021, the Senate voted to adopt a new animal welfare law aimed to fight against animal malpractice and the treatment of animals as “toys” or “consumable goods.”³⁸⁰⁶ The law included a gradual ban on the use of animals in dolphinariums and circuses, a ban on selling cats and dogs on advertisement websites and pet farms and the requirement for pet owners to sign an animal responsibility certificate.

On 2 January 2022, France’s ban on the use of plastics to package most fruits and vegetables came into effect.³⁸⁰⁷ The goal of this legislation is to discourage the use of single use plastic and eliminate about “1 billion items of plastic waste a year.”

On 9 February 2022, France signed a EUR50 million contribution agreement with the World Health Organization (WHO) in support of the Response Connector and ACT-Accelerator Health Systems to help strengthen health systems and combat the COVID-19 pandemic.³⁸⁰⁸

On 11 February 2022, President Emmanuel Macron initiated the One Ocean Summit in the port city of Brest to discuss protecting the planet’s oceans from overfishing and plastic pollution.³⁸⁰⁹ President Macron stated that “France met its coalition commitments by extending protected areas in the French Southern and Antarctic Territories.” The goal of this summit was to recognize the transboundary aspects of plastic pollution and initiate new commitments towards the protection of the oceans.

On 22 February 2022, France adopted a law banning imports of meat from animals treated with growth antibiotics.³⁸¹⁰ While the ban will be effective from 22 April 2022 onwards, the goal of this action is to combat antimicrobial resistance (AMR) in the poultry market.

On 7 March 2022, France hosted the One Health ministerial conference on AMR in Paris as part of its EU Presidency duties.³⁸¹¹ The conference brought together important European and international

³⁸⁰⁵ Bird Flu: France Orders Poultry ‘Lockdown’, Deutsche Welle (Bonn) 5 November 2021. Access Date: 27 February 2022. <https://www.dw.com/en/bird-flu-france-orders-poultry-lockdown/a-59729981>

³⁸⁰⁶ France’s New Animal Welfare Law Passes: What Will It Change for Pets?, Connexion France (Monaco) 19 November 2021. Access Date: 18 February 2022. <https://www.connexionfrance.com/French-news/France-s-new-animal-welfare-law-passes-What-will-it-change-for-pets>

³⁸⁰⁷ France Bans Plastic Packaging for Most Fruits and Vegetables, Al Jazeera (Doha) 2 January 2022. Access Date: 27 February 2022. <https://www.aljazeera.com/news/2022/1/2/france-bans-plastic-packaging-for-most-fruits-and-vegetables>

³⁸⁰⁸ France and WHO: Working Together for effective, United and Inclusive Global Health Governance, World Health Organization (Geneva) 17 March 2022. Access Date: 20 May 2022. <https://www.who.int/news/item/17-03-2022-france-and-who-working-together-for-effective-united-and-inclusive-global-health-governance>

³⁸⁰⁹ World Leaders at France Summit Mull Ways to Protect Oceans, United States News (Washington D.C.) 11 February 2022. Access Date: 27 February 2022. <https://www.usnews.com/news/world/articles/2022-02-11/world-leaders-at-france-summit-mull-ways-to-protect-oceans>

³⁸¹⁰ France Bans Import of Meat from Animals on Growth Antibiotics, Reuters (Paris) 22 February 2022. Access Date: 27 February 2022. <https://www.reuters.com/business/environment/france-bans-import-meat-animals-growth-antibiotics-2022-02-22/>

³⁸¹¹ One Health Ministerial Conference on Antimicrobial Resistance, Ministry of Solidarity and Health (Paris) 7 March 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://solidarites-sante.gouv.fr/archives/archives-presse/archives-communiqués-de-presse/article/conference-ministerielle-une-seule-sante-sur-la-resistance-aux-antimicrobiens>

organizations to discuss the progress of the EU in issues like infection prevention, proper use of antibiotics and development of common indicators.

On 11 March 2022, France and the WHO assembled for their annual strategic discussion in Geneva, Switzerland.³⁸¹² France pledged to help strengthen the global architecture by accelerating access to health technologies, increasing the COVID-19 rollout internationally and addressing the growing prevalence of mental health issues globally.

On 12 April 2022, Minister for Europe and Foreign Affairs Jean-Yves Le Drian, Minister for Agriculture and Food Julien Denormandie and EU Commissioner for Crisis Management Janez Lenarčič travelled to Rome to meet with Italy's Minister of Foreign Affairs and International Cooperation Luigi Di Maio and discuss food security in light of Russia's invasion of Ukraine.³⁸¹³ Also in attendance were the leaders of the World Food Programme (WFP), the Food and Agriculture Organization of the United Nations (FAO), the International Fund for Agricultural Development (IFAD) and the Committee on World Food Security (CFS).

On 13 May 2022, Minister Denormandie met with other G7 Agriculture Ministers in Stuttgart to discuss the consequences of Russia's invasion of Ukraine on global food security and nutrition.³⁸¹⁴ The G7 ministers committed to avoid any restrictions on food exports and continue work on creating a more sustainable and resilient agricultural system.

On 19 May 2022, Minister of Health and Prevention Brigitte Bourguignon met with other G7 Health Ministers in Berlin to discuss the integration of One Health within existing systems.³⁸¹⁵ The G7 ministers committed to a more inclusive and equity-driven pandemic prevention response system as supported by the World Health Organization.

On 25 May 2022, France supported a project to improve the nutrition of children under five in Lao's northernmost province of Phongsaly with an investment of EUR500,000.³⁸¹⁶ In collaboration with the WFP and UN International Children's Emergency Fund (UNICEF), France aims to support the health and development of children most affected by malnutrition and meet Sustainable Development Goal 2.

On 20 June 2022, Minister Bourguignon met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁸¹⁷

³⁸¹² France and WHO: Working Together for effective, United and Inclusive Global Health Governance, World Health Organization (Geneva) 17 March 2022. Access Date: 20 May 2022. <https://www.who.int/news/item/17-03-2022-france-and-who-working-together-for-effective-united-and-inclusive-global-health-governance>

³⁸¹³ Food Security, Ministry of Europe and Foreign Affairs (Paris) 12 April 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.diplomatie.gouv.fr/en/french-foreign-policy/development-assistance/food-security-nutrition-and-sustainable-agriculture/article/food-security-the-minister-for-europe-and-foreign-affairs-and-the-minister-of>

³⁸¹⁴ Pathways Towards Sustainable Food Systems in Times of Crises, Group of Seven Germany (Berlin) 14 May 2022. Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_International-Affairs/g7-2022-kommunique-en.pdf?__blob=publicationFile&v=5

³⁸¹⁵ G7 Health Ministers' Communique, Group of Seven Germany (Berlin) 20 May 2022. Access Date: 19 June 2022. <https://www.g7germany.de/resource/blob/974430/2042058/5651daa321517b089cdccaffd1e37a1/2022-05-20-g7-health-ministers-communique-data.pdf?download=1>

³⁸¹⁶ France, Unicef and WFP join hands to improve child health and nutrition in Lao PDR, World Food Programme (Boun Neua) 25 May 2022. Access Date: 19 June 2022. <https://www.wfp.org/news/france-unicef-and-wfp-join-hands-improve-child-health-and-nutrition-lao-pdr>

³⁸¹⁷ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

On 31 July 2022, France established the new Health Risk Monitoring and Anticipation Committee to work on the challenges of preventing health crises and their effects.³⁸¹⁸ The goal of this committee is to guide the decisions of public authorities through advisory and consultation.

On 8 September 2022, the Ministry of Health hosted academic actors, professional organizations and representatives of public authorities to an interdisciplinary symposium on sepsis.³⁸¹⁹ The aim of this symposium was to bring together different actors to collaborate on an important aspect of public health care.

France has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. France adopted new legislation and policies that promoted human health, animal health and environmental health like the ban on the use of plastics and the animal welfare law. On an international level, France abided by its multilateral commitments at COP26 and the One Ocean Summit to protect the environment. France also supported the work of G20 ministers, WHO, WFP, FAO, FIDA, CFS and UNICEF in bolstering health infrastructure against the threats of AMR, mental illnesses and zoonoses and ensuring the safety and security of food supplies to the most vulnerable groups.

Thus, France receives a score of +1.

Analysts: Saarah Khan and Kyra Menezes

Germany: +1

Germany has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Germany signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties (COP26) to stop and reverse deforestation.³⁸²⁰ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 3 November 2021, Germany committed to donating 175 million vaccine doses to the COVAX facility, a global coalition dedicated to the proliferation and global distribution of COVID-19 vaccines.³⁸²¹ Germany additionally pledged its support for facilitating independent vaccine procurement infrastructure and capacities in Africa.

³⁸¹⁸ Installation of the Health Risk Monitoring and Anticipation Committee (COVARs), Ministry of Solidarity and Health (Paris) 29 September 2022. Translation provided by Google Translate. Access Date: 7 October 2022. <https://solidarites-sante.gouv.fr/actualites/presse/communiqués-de-presse/article/installation-du-comite-de-veille-et-d-anticipation-des-risques-sanitaires>

³⁸¹⁹ Interdisciplinary Symposium on Sepsis, Ministry of Health (Paris) 8 September 2022. Access Date: 7 October 2022. https://solidarites-sante.gouv.fr/IMG/pdf/programme_symposium_sepsis-english.pdf

³⁸²⁰ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁸²¹ Manufacturing more vaccines, Federal Foreign Office (Berlin) 3 November 2021. Translation provided by Google Translate. Access Date: 12 February 2022. <https://www.auswaertiges-amt.de/en/aussenpolitik/themen/gesundheit/vaccines-africa/2493992>

On 9 November 2021, Germany established a sustainable energy partnership with Nigeria as part of its strategy to reach climate neutrality by 2045.³⁸²² The goal of this coalition was to transition away from fossil fuel dependence on renewable energy, while capitalizing on new industry opportunities and developing sustainable infrastructure.

On 2 December 2021, the Federal Ministry for the Environment, Nature Conservation Building and Nuclear Safety published its Sustainable Development Report which would integrate national environmental policy with the UN 2030 Agenda.³⁸²³ The report aimed to phase out coal for a cleaner energy system and implement the Climate Protection Act thereby achieving Sustainable Development Goals 7 and 13.

On 8 December 2021, the Federal Ministry of Food and Agriculture published the Control Programme for Feed 2022 to 2026 thereby replacing the Control Programme for Feed for 2017 to 2021.³⁸²⁴ The goal of this action is to plan and prepare risk analysis reports on product control to strengthen feed security as the basis of food security and animal health.

On 11 December 2021, Germany declared its support for the Food and Agriculture Organization of the United Nations (FAO)'s project to mitigate food insecurity in Myanmar.³⁸²⁵ The goal of this project was to stabilize food supply chains in the wake of crises induced by COVID-19 and civil conflict while protecting the livelihoods of vulnerable farming households.

On 29 January 2022, Germany signed and endorsed the Kigali Declaration against Neglected Tropical Diseases which outlines policies for international cooperation in fighting the spread of tropical diseases.³⁸²⁶ Germany additionally committed EUR10 million to the World Organization for Animal Health (OIE) for addressing rabies outbreaks in Namibia and Cameroon.

On 17 February 2022, Germany contributed EUR20 million to an FAO initiative for tackling food crises in the Horn of Africa.³⁸²⁷ The funding aims to provide emergency relief in response to acute food shortages and drought in the region and it will aid severely affected farmers and herders.

³⁸²² Hydrogen diplomacy: Germany opens Hydrogen Office in Nigeria, Federal Foreign Office (Berlin) 9 November 2021. Translation provided by Google Translate. Access Date: 12 February 2022. <https://www.auswaertiges-amt.de/en/aussepolitik/themen/energie/hydrogen-office-nigeria/2495128>

³⁸²³ Environmental policy for a sustainable society, Federal Ministry for the Environment, Nature Conservation Building and Nuclear Safety (Berlin) 2 December 2021. Translation provided by Google Translate. Access Date: 19 June 2022. https://www.bmu.de/publikation?tx_bmu_bpublications_publications%5Bpublication%5D=679&cHash=f407e00aa314700e6f71e7f8e155fd97

³⁸²⁴ Control Programme for Feed 2022 to 2026, Federal Ministry of Food and Agriculture (Berlin) 8 December 2021. Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_Animals/ControlProgrammeFeed2022-2026.html

³⁸²⁵ Safeguarding agricultural livelihoods as food insecurity worsens in Myanmar, Food and Agriculture Organization of the United Nations (Rome) 11 December 2021. Access Date: 12 February 2022. <https://www.fao.org/emergencies/fao-in-action/stories/stories-detail/en/c/1455435/>

³⁸²⁶ Germany joins the Kigali Declaration, Federal Ministry for Economic Cooperation and Development (Berlin) 29 January 2022. Translation provided by Google Translate. Access Date: 12 February 2022. <https://www.bmz.de/de/aktuelles/aktuelle-meldungen/deutschland-tritt-kigali-deklaration-bei-103544>

³⁸²⁷ Drought in the Horn of Africa: FAO welcomes a €20 million contribution from Germany to avert hunger crisis, Food and Agriculture Organization of the United Nations (Rome) 17 February 2022. Access Date: 17 June 2022. <https://www.fao.org/newsroom/detail/drought-in-the-horn-of-africa-fao-welcomes-a-20-million-contribution-from-germany-to-avert-hunger-crisis/en>

On 8 April 2022, Germany co-hosted the Break COVID Now Summit with Ghana, Indonesia, Senegal and Gavi which is the Vaccine Alliance.³⁸²⁸ Germany pledged EUR400 million in funding toward the Gavi COVAX initiative which sought to ensure equitable global access to COVID-19 vaccines.

On 25 April 2022, Germany pledged EUR10 million in funding to support the UN World Food Program (WFP) initiative to address food insecurity in Lebanon.³⁸²⁹ The goal of this funding was to develop sustainable food security infrastructure and mitigate the acute effects of food supply shortages in Lebanon.

On 26 April 2022, Germany inaugurated the Helmholtz Institute for One Health (HIOH) in Greifswald.³⁸³⁰ The HIOH is dedicated to researching emerging pathogens, monitoring human and animal health and tracking the evolution and transmission of zoonotic pathogens. This institute aims to research the emergence and progression of antibiotic- and vaccine-resistant pathogens to prevent the outbreak of future public health crises.

On 2 May 2022, Federal Minister for Environment, Nature Conservation, Nuclear Safety and Consumer Protection Steffi Lemke and India's Minister of Environment, Forest and Climate Change Bhupender Yadav jointly signed a declaration of intent on forest landscape restoration.³⁸³¹ The goal of this declaration was to advance support in areas of conservation and restoration and expand Indo-German cooperation against climate change.

On 2 May 2022, Federal Minister for Economic Affairs and Climate Action Robert Habeck and India's Minister for Power and New and Renewable Energy Raj Kumar Singh jointly signed a declaration of intent on the Indo-German Hydrogen Task Force.³⁸³² The purpose of this task force was to ensure that India and Germany are able to achieve the common goals of decarbonizing their economies, developing a national green hydrogen economy and reducing emissions.

On 13 May 2022, Federal Minister for Food and Agriculture Cem Özdemir hosted a meeting with other G7 Agriculture Ministers in Stuttgart to discuss the consequences of Russia's invasion of Ukraine on global food security and nutrition.³⁸³³ The G7 ministers committed to avoid any restrictions on food exports and continue work on creating a more sustainable and resilient agricultural system.

On 19 May 2022, Federal Minister of Health Karl Lauterbach hosted a meeting with other G7 Health Ministers in Berlin to discuss the integration of One Health within existing systems.³⁸³⁴ The G7

³⁸²⁸ World leaders commit US\$4.8 billion to help break COVID now, Gavi Vaccine Alliance (Geneva) 8 April 2022. Access Date: 14 May 2022. <https://www.gavi.org/news/media-room/world-leaders-commit-us-48-billion-help-break-covid-now>

³⁸²⁹ Schulze in Beirut: The work of the World Food Program is more important than ever, Federal Foreign Office (Beirut) 25 April 2022. Translation provided by Google Translate. Access Date: 14 May 2022.

<https://www.bmz.de/de/aktuelles/aktuelle-meldungen/schulze-in-beirut-arbeit-des-wfp-wichtiger-denn-je-108024>

³⁸³⁰ Helmholtz Institute for One Health (HIOH), Helmholtz Centre for Infection Research (Greifswald) 26 April 2022. Access Date: 14 May 2022. <https://www.helmholtz-hzi.de/en/the-hzi/sites/helmholtz-institute-for-one-health-hioh/about-hioh/>

³⁸³¹ Joint Declaration of Intent on Forest Landscape Restoration between India and Germany signed virtually (New Delhi) 2 May 2022. Access Date: 17 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1822121>

³⁸³² Joint declaration of Intent on Indo-German Green Hydrogen Task Force signed (New Delhi) 2 May 2022. Access Date: 9 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1822146>

³⁸³³ Pathways Towards Sustainable Food Systems in Times of Crises, Group of Seven Germany (Berlin) 14 May 2022. Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_International-Affairs/g7-2022-kommunique-en.pdf?__blob=publicationFile&v=5

³⁸³⁴ G7 Health Ministers' Communique, Group of Seven Germany (Berlin) 20 May 2022. Access Date: 19 June 2022. <https://www.g7germany.de/resource/blob/974430/2042058/5651daa321517b089cdccaffd1e37a1/2022-05-20-g7-health-ministers-communique-data.pdf?download=1>

ministers committed to a more inclusive and equity-driven pandemic prevention response system as supported by the World Health Organization.

On 19 May 2022, Federal Minister of Economic Cooperation and Development Svenja Schulze and World Bank Group President David Malpass jointly launched the Global Alliance for Food Security (GAFS).³⁸³⁵ GAFS aims to promote multilateral coordination in responding to food shortages and crises around the globe and support vulnerable nations in cultivating robust and resilient food management and supply systems.

On 20 June 2022, Minister Lauterbach met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁸³⁶

On 24 June 2022, Germany hosted the Uniting for Global Food Security international ministerial conference during which member states discussed ongoing efforts to alleviate the global food security crisis, with focus on providing aid to the most affected countries.³⁸³⁷ Federal Foreign Minister Annalena Baerbock committed to investing EUR2.8 billion in humanitarian partners in 2022, including the WFP in Afghanistan and the Sahel and the UN Relief and Works Agency in the Gaza Strip.

On 19 August 2022, Germany contributed an additional EUR3 million to the WFP to support food relief efforts in the Gaza Strip.³⁸³⁸ The donation was to be distributed among Palestinians in the form of electronic food vouchers, allowing them to purchase fresh food items.

On 8 September 2022, Development Minister Svenja Schulze pledged EUR1.3 billion towards the Global Fund to Fight AIDS, Tuberculosis and Malaria.³⁸³⁹ The aim of this fund is to eliminate the spread of AIDS, tuberculosis and malaria by 2030 and improve global health infrastructure, pandemic preparedness and the equality of access to medical countermeasures.

On 9 September 2022, Deputy Director of the Department of International Cooperation and World Food Affairs of the Federal Ministry of Food and Agriculture Cornelia Berns was hosted by China's Deputy Director-General of the Foreign Economic Cooperation Center of the Ministry of Agriculture and Rural Affairs Li Zhiping and Deputy Director of the Department of International Cooperation of Ministry of Agriculture and Rural Affairs Wei Zhenglin at the Kickoff Meeting for Phase III Project

³⁸³⁵ G7 Presidency, World Bank Group Establish Global Alliance for Food Security to Catalyse Response to Food Crisis, Federal Ministry for Economic Cooperation and Development (Berlin), 19 May 2022. Access Date: 5 June 2022. <https://www.bmz.de/en/news/press-releases/g7-presidency-world-bank-group-establish-global-alliance-109554>

³⁸³⁶ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁸³⁷ Contribution by Federal Foreign Minister Annalena Baerbock to the panel "Diplomatic Efforts and Immediate Humanitarian Action" at the Ministerial Conference "Uniting for Global Food Security," Federal Foreign Office (Berlin) 24 June 2022. Access Date: 24 September 2022. <https://www.auswaertiges-amt.de/en/newsroom/news/baerbock-conference-food-security/2538992>

³⁸³⁸ Germany scales up its support to help WFP sustain food assistance to the most vulnerable Palestinians in Gaza, World Food Programme (Jerusalem) 19 August 2022. Access Date: 24 September 2022. <https://www.wfp.org/news/germany-scales-its-support-help-wfp-sustain-food-assistance-most-vulnerable-palestinians-gaza>

³⁸³⁹ The fight against AIDS, tuberculosis and malaria is a battle that can be won – Germany is increasing its contribution to the Global Fund, Federal Ministry for Economic Cooperation and Development (Berlin) 8 September 2022. Access Date: 7 October 2022. <https://www.bmz.de/en/news/press-releases/germany-is-increasing-its-contribution-to-the-global-fund-121084>

of the Sino-German Agricultural Centre.³⁸⁴⁰ The goal of this meeting was to enhance Sino-German agricultural cooperation.

Germany has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. On a domestic level, Germany has strengthened its environmental policy and established the HIOH so as to bolster health systems and research on infectious diseases. Germany has taken strong action towards improving food security by aiding communities suffering from malnutrition in Myanmar, Somalia, the Horn of Africa and Lebanon and collaborating with international actors like the FAO, WFP and G7 Agriculture Ministers to mobilize resources like the GAFFS. Germany has demonstrated a strong presence in the international community with its actions to enable resilient capacities in the global health system by protecting communities in developing countries from infectious and tropical diseases. It has also worked extensively to reduce deforestation as per its commitment at COP26, as seen by its involvement with India.

Thus, Germany receives a score of +1.

Analyst: Tamara Saadi

India: +1

India has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 22 November 2021, the Project Elephant Division at the Ministry of Environment, Forest and Climate Change and the Elephant Cell at the Wildlife Institute of India organized a workshop to enhance capacities in “controlling illegal killing, trade and other crimes on elephants.”³⁸⁴¹ The goal of this workshop was to promote the health of elephants and to regulate their treatment.

On 23 November 2021, Minister of Fisheries, Animal Husbandry and Dairying Parshottam Rupala held a meeting with Ambassador of Brazil to India Andre Aranha Correa do Lago.³⁸⁴² The goal of this meeting was to discuss cooperation in the Animal Husbandry and Dairy Sector and the export of bovine embryos.

On 23 November 2021, the Department of Animal Husbandry and Dairying and the Food and Agriculture Organization of the United Nations organized a national stakeholder workshop on the National Action Plan to combat antimicrobial resistance (AMR).³⁸⁴³

On 9 January 2022, the Ministry of Health and Family Welfare published a revised version of its discharge policy for COVID-19.³⁸⁴⁴ The goal of this revision was to better align national healthcare

³⁸⁴⁰ Kickoff Meeting for Phase III Project of Sino-German Agricultural Centre Held, Ministry of Agriculture and Rural Affairs (Beijing) 13 September 2022. Access Date: 25 September 2022. http://english.moa.gov.cn/cooperation/202209/t20220916_300968.html

³⁸⁴¹ Annual Report 2021-22, Ministry of Environment, Forest and Climate Change (New Delhi) 17 March 2022. Access Date: 11 May 2022. <https://moef.gov.in/wp-content/uploads/2022/03/Annual-report-2021-22-Final.pdf>

³⁸⁴² Monthly Summary to the Cabinet for the Month of November, 2021 in Respect of the Department of Animal Husbandry and Dairying - reg., Ministry of Fisheries, Animal Husbandry and Dairying (New Delhi) 21 December 2021. Access Date: 11 May 2022. <https://dahd.nic.in/sites/default/files/Monthly%20Summary-DAHD-November%2C%20%202021-English.pdf>

³⁸⁴³ Monthly Summary to the Cabinet for the Month of November, 2021 in Respect of the Department of Animal Husbandry and Dairying - reg., Ministry of Fisheries, Animal Husbandry and Dairying (New Delhi) 21 December 2021. Access Date: 11 May 2022. <https://dahd.nic.in/sites/default/files/Monthly%20Summary-DAHD-November%2C%20%202021-English.pdf>

³⁸⁴⁴ Revised Discharge Policy for COVID-19, Ministry of Health and Family Welfare (New Delhi) 9 January 2022. Access Date: 11 May 2022. <https://www.mohfw.gov.in/pdf/RevisedDischargePolicyforCOVID19updatedon9thJanuary2022.pdf>

protocol with the COVID-19 clinical management protocol, guidelines for home isolation of mild COVID-19 cases and advisory on COVID-19 testing.

On 9 January 2022, the Ministry of Health and Family Welfare published a revised version of its advisory for managing healthcare workers in COVID and non-COVID areas of healthcare facilities.³⁸⁴⁵ The goal of this revision was to ensure that healthcare workers take proper precautions while working in hospitals and clinics.

On 20 January 2022, the Ministry of Health and Family Welfare published a revised version of its comprehensive guidelines for management of COVID-19 in children and adolescents aged 18 years and below.³⁸⁴⁶ The updated guidelines have added several treatment recommendations as well as a new post-COVID section.

On 14 February 2022, the Ministry of New and Renewable Energy proposed the Framework for Promotion of Decentralized Renewable Energy Livelihood Applications.³⁸⁴⁷ The goal of this framework was to adhere to the commitments made by Prime Minister Narendra Modi at the 26th United Nations Climate Change Conference of the Parties by facilitating the widespread adoption of decentralized renewable energy-based livelihood applications.

On 17 February 2022, the Ministry of Power defined and framed the stipulations of the Green Hydrogen Policy.³⁸⁴⁸ This policy aims to aid the transition from fossil fuels to green hydrogen or green ammonia as energy carriers and as chemical stock for different sectors.

On 23 March 2022, the Ministry of Health and Family Welfare published guidelines for the COVID-19 vaccination of children in the 12-14 age group.³⁸⁴⁹

On 2 May 2022, Minister of Environment, Forest and Climate Change Bhupender Yadav and Germany's Minister for Environment, Nature Conservation, Nuclear Safety and Consumer Protection Steffi Lemke jointly signed a declaration of intent on forest landscape restoration.³⁸⁵⁰ The goal of this declaration was to advance support in areas of conservation and restoration and expand Indo-German cooperation against climate change.

On 2 May 2022, Minister for Power and New and Renewable Energy Raj Kumar Singh and Germany's Minister for Economic Affairs and Climate Change Robert Habeck jointly signed a declaration of intent on the Indo-German Hydrogen Task Force.³⁸⁵¹ The purpose of this task force was to ensure

³⁸⁴⁵ Revised Advisory for managing Health Care Workers (HCWs) working in COVID and Non- COVID areas of the Health Care Facilities, Ministry of Health and Family Welfare (New Delhi) 9 January 2022. Access Date: 11 May 2022. <https://www.mohfw.gov.in/pdf/RevisedAdvisoryforManagingHealthCareWorkersHCWsworkinginCOVIDandNonCOVIDareasofoftheHealthCareFacilitiesupdatedon9thJanuary2022.pdf>

³⁸⁴⁶ Revised Comprehensive Guidelines for Management of COVID-19 in Children and Adolescents (below 18 years), Ministry of Health and Family Welfare (New Delhi) 20 January 2022. Access Date: 11 May 2022. <https://www.mohfw.gov.in/pdf/RevisedComprehensiveGuidelinesforManagementofCOVID19inChildrenandAdolescentsbelow18years.pdf>

³⁸⁴⁷ Framework for Promotion of Decentralised Renewable Energy Livelihood Applications, Ministry of New and Renewable Energy (New Delhi) 14 February 2022. Access Date: 11 May 2022. https://mnre.gov.in/img/documents/uploads/file_f-1644909209115.pdf

³⁸⁴⁸ Green Hydrogen Policy, Ministry of Power (New Delhi) 17 February 2022. Access Date: 11 May 2022. https://mnre.gov.in/img/documents/uploads/file_f-1645102285075.pdf

³⁸⁴⁹ Guidelines for COVID-19 Vaccination of Children Between 12-14 Years of Age, Ministry of Health and Family Welfare (New Delhi) 23 March 2022. Access Date: 11 May 2022. <https://www.mohfw.gov.in/pdf/GuidelinesCovidvaccination12to14yrchildrenMarch2022.pdf>

³⁸⁵⁰ Joint Declaration of Intent on Forest Landscape Restoration between India and Germany signed virtually (New Delhi) 2 May 2022. Access Date: 9 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1822121>

³⁸⁵¹ Joint declaration of Intent on Indo-German Green Hydrogen Task Force signed (New Delhi) 2 May 2022. Access Date: 9 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1822146>

that India and Germany are able to achieve the common goals of decarbonizing their economies, developing a national green hydrogen economy and reducing emissions.

On 12 May 2022, the Ministry of Agriculture and Farmers Welfare and the UN Development Programme (UNDP) signed a Memorandum of Understanding (MOU).³⁸⁵² The goal of this MOU was to initiate a strategic partnership on agriculture, crop insurance and credit where the UNDP would support the farmers' credit card which is a modified interest subvention scheme.

On 18 May 2022, the Cabinet of the Ministry of Petroleum and Natural Gas approved amendments to the National Policy on Biofuels-2018.³⁸⁵³ Some of the amendments included advancing the ethanol blending target of 20 per cent in petrol to 2025-26 from 2030 and promoting the production of biofuels in the country. The goal of these amendments was to attract and foster developments of indigenous technologies to make India energy-independent by 2047.

On 19 May 2022, Minister for Health and Family Welfare Mansukh Mandaviya addressed new initiatives like 'bi-directional testing' of tuberculosis with COVID-19, use of artificial intelligence and digital tools and decentralizing tuberculosis services at the 35th Stop Tuberculosis Partnership Board Meeting.³⁸⁵⁴ The goal of these initiatives was to advance the eradication of tuberculosis.

On 31 May 2022, the Ministry of Health and Family Welfare issued guidelines on the management of the monkeypox virus.³⁸⁵⁵ The goal of these guidelines was to respond to the increasing reports of monkeypox cases in non-endemic countries as part of a risk-based and proactive approach to managing monkeypox.

On 2 June 2022, Minister Yadav and Canada's Minister of Environment and Climate Change Steven Guilbeault signed an MOU to increase bilateral cooperation on climate action and environmental protection and conservation.³⁸⁵⁶ The goal of this MOU was to work more closely with Canada to support the collective interests of shifting to a zero-plastic waste future.

On 5 June 2022, Minister of State for New and Renewable Energy Bhagwant Khuba launched the Pan-India Rooftop Solar Awareness Campaign.³⁸⁵⁷ The goal of this campaign was to encourage citizens to contribute toward addressing global warming and climate change and help the Ministry of New and Renewable Energy achieve its target of 500 gigawatts of non-fossil energy by 2030.

On 20 June 2022, Minister Mandaviya met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic

³⁸⁵² Ministry of Agriculture and Farmers Welfare signs MoU with UNDP for strategic partnership on Agriculture, Crop Insurance and Credit (New Delhi) 12 May 2022. Access Date: 9 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1824812>

³⁸⁵³ Cabinet approves Amendments to the National Policy on Biofuels-2018, Ministry of Petroleum and Natural Gas (New Delhi) 18 May 2022. Access Date: 17 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1826266>

³⁸⁵⁴ Dr. Mansukh Mandaviya addresses 35th Stop TB Partnership Board Meeting (New Delhi) 19 May 2022. Access Date: 9 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1826710>

³⁸⁵⁵ Update on Monkeypox (New Delhi) 31 May 2022. Access Date: 9 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1829816>

³⁸⁵⁶ Canada and India sign Memorandum of Understanding to establish stronger cooperation on environmental protection and climate action, Ministry of Environment and Climate Change (Ottawa) 2 June 2022. Access Date: 17 June 2022. <https://www.canada.ca/en/environment-climate-change/news/2022/06/canada-and-india-sign-memorandum-of-understanding-to-establish-stronger-cooperation-on-environmental-protection-and-climate-action.html>

³⁸⁵⁷ Union Minister Shri Bhagwant Khuba launches NSEFI's Pan-India Rooftop Solar Awareness Campaign (New Delhi) 5 June 2022. Access Date: 9 June 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1831257>

like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁸⁵⁸

On 8 August 2022, India implemented the AMRUT 2.0 program 2022-2027.³⁸⁵⁹ The objective of this program was to provide universal water supply coverage through functional household tap connections in all statutory towns.

On 25 August 2022, Union Minister for Jal Shakti (Water) Gajendra Singh Shekhawat met Bangladesh's State Minister for Water Resources Zaheed Farooque for the 38th Meeting of Ministerial Level of the Joint Rivers Commission of India and Bangladesh.³⁸⁶⁰ The two ministers aimed to discuss the framework for sharing water resources from their common rivers.

India has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. India took strong steps to develop cleaner forms of energy like biofuels and green hydrogen albeit in partnership with Germany. India worked to prevent and eradicate infectious diseases like monkeypox and tuberculosis and address the threat of AMR alongside G20 Health Ministers. India also collaborated with Canada to support its policy on environmental conservation.

Thus, India receives a score of +1.

Analyst: Elizaveta Strelnikova

Indonesia: +1

Indonesia has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Indonesia signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties (COP26) to stop and reverse deforestation.³⁸⁶¹ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 2 November 2021, Minister of Environment and Forestry Siti Nurbaya Bakar reiterated President Joko Widodo's statements at the 2021 World Leaders Summit on Forest and Land Use in Glasgow.³⁸⁶² The goal of this action was to emphasize the new definition of deforestation and further protect national forests.

On 1 December 2021, Head of the Central Kalimantan Natural Resources Conservation Agency Nur Patria Kruniawan highlighted the commitment to monitoring the health of orangutans in the

³⁸⁵⁸ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁸⁵⁹ Tap Water Connections in Remote Villages, Ministry of Jal Shakti (New Delhi) 8 August 2022. Access Date: 25 September 2022. <https://pib.gov.in/PressReleasePage.aspx?PRID=1849821>

³⁸⁶⁰ 38th Meeting of Ministerial level Joint Rivers Commission of India and Bangladesh held at New Delhi, Ministry of External Affairs (New Delhi) 26 August 2022. Access Date: 7 October 2022. <https://www.mea.gov.in/press-releases.htm?dtl/35653/>

³⁸⁶¹ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁸⁶² FoLU Net Carbon Sink Is Not The Same As Zero Deforestation, Ministry of Environment and Forestry (Jakarta) 3 November 2021. Translation provided by Google Translate. Access Date: 12 February 2022.

https://www.menlhk.go.id/site/single_post/4517/folu-net-carbon-sink-tidak-sama-dengan-zero-deforestation

Lamandau Wildlife Sanctuary.³⁸⁶³ The goal of this action was to emphasise the protection of an area that is symbolic to Indonesian wildlife.

On 24 December 2021, Head of the Cooperation Bureau of the Ministry of Energy and Mineral Resources Agung Pribadi announced that they would continue to advocate for the national adoption of emission reduction targets towards net zero emission in 2060 by supporting the decarbonisation of the business activities of mining companies.³⁸⁶⁴ The goal of this action was to work towards a greater use of renewable and sustainable energy sources.

On 27 January 2022, Minister of Agriculture Syahrul Yasin Limpo inaugurated the Agriculture Working Group of the State Agricultural Working Group in 2022.³⁸⁶⁵ The goal of the group was to balance production and trade to secure food resources for all. On this occasion, Minister Limpo also officially accepted the leadership relay of the G20 Country Agricultural Working Group.

On 6 February 2022, Minister Limpo visited the IP400 rice fields in Bialo which currently cover an area of 250 hectares and will spread to 2,000 hectares.³⁸⁶⁶ The goal of this measure was to encourage the productivity, production and welfare of farmers with advanced modern farming which optimizes the use of natural resources.

On 7 February 2022, Minister Limpo encouraged the community of Macanang Village and others to use their fields as productive agricultural land.³⁸⁶⁷ The goal of this action was to promote sustainable farming practices.

On 22 March 2022, Minister Bakar welcomed the delegation of G20 member countries at the opening ceremony of the Plenary G20 Environment Deputies Meeting and Climate Sustainability Working Group.³⁸⁶⁸ Minister Bakar stated that Indonesia's G20 presidency would capture pressing topics on global processes and developments to provide concrete actions. The goal of this action was to achieve medium and long-term targets for reducing emissions especially in diverse and unique ecosystems.

On 7 April 2022, the Ministry of Health collaborated with Japan to open an international nursing class at the Health Polytechnic via the Directorate General of Health Workforce.³⁸⁶⁹ Nurses who want to work in Japan are currently being trained under the Indonesia Japan Economic Partnership Agreement.

³⁸⁶³ Baby Orangutan "Tasia" Born in Lamandau SM, Ministry of Environment and Forestry (Jakarta) 15 December 2021. Translation provided by Google Translate. Access Date: 12 February 2022.

https://www.menlhk.go.id/site/single_post/4571/bayi-orangutan-tasia-lahir-di-sm-lamandau

³⁸⁶⁴ Mining Companies Commitment to Decarbonization Continues to be Driven, Ministry of Energy and Mineral Resources (Jakarta) 24 December 2021. Translation provided by Google Translate. Access Date: 12 February 2022.

<https://www.esdm.go.id/id/media-center/arsip-berita/komitmen-perusahaan-tambang-terhadap-dekarbonisasi-terus-didorong>

³⁸⁶⁵ Indonesian Minister of Agriculture Syahrul Yasin Limpo Officially Receives the Leadership Relay of the G21 Agricultural Working Group, Ministry of Agriculture (Jakarta) 27 January 2022. Translation provided by Google Translate. Access Date: 12 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5119>

³⁸⁶⁶ Visit Bulukumba, SYL Minister of Agriculture Encourages IP400 Rice Cultivation, Ministry of Agriculture (Jakarta) 6 February 2022. Translation provided by Google Translate. Access Date: 12 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5128>

³⁸⁶⁷ Minister of Agriculture invites Bone Community to Use Their Home Yards to Become Productive Land, Ministry of Agriculture (Jakarta) 7 February 2022. Translation Provided by Google Translate. Access Date: 12 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5131>

³⁸⁶⁸ Message from the Minister of Environment and Forestry at the Opening of the CSWG G20-EDM Event, Ministry of Environment and Forestry (Jakarta) 23 March 2022. Translation provided by Google Translate. Access Date: 17 May 2022. https://www.menlhk.go.id/site/single_post/4726/pesan-menteri-lhk-pada-pembukaan-gelaran-g20-edm-cswg

³⁸⁶⁹ Ministry of Health Opens International Nursing Class, Ministry of Health (Jakarta) 8 April 2022. Translation provided by Google Translate. Access Date: 17 May 2022. <https://www.kemkes.go.id/article/view/22040800001/ministry-of-health-opens-international-nursing-class-.html>

This initiative aims to eliminate the requirement of two years on-site clinical experience and allow Indonesian nurses to take part in nursing educational programs immediately.

On 8 April 2022, Indonesia co-hosted the Break COVID Now Summit with Germany, Ghana, Senegal and Gavi, the Vaccine Alliance.³⁸⁷⁰ The goal of this summit was to secure further funding toward the Gavi COVAX initiative which aims to ensure equitable global access to COVID-19 vaccines.

On 22 April 2022, Indonesia banned the export of palm oil to control the increasing domestic prices of cooking oil.³⁸⁷¹ President Widodo stated that this move was meant to make cooking oil more affordable to the average household in Indonesia.

On 26 April 2022, the Ministry of Environment and Forestry issued a circular letter to Minister Bakar regarding the role of local governments in reducing waste generation.³⁸⁷² The ministry also provided assistance in the form of facilities and infrastructure for segregated waste bins and encouraged people to consciously reduce waste during the Eid holiday period.

On 10 May 2022, the Ministry of Health issued guidelines on how to prevent thalassemia which is a hereditary disease by early detection.³⁸⁷³ The guidelines promoted early screening in families with thalassemia patients and encouraged related ministries to improve cooperation in overcoming health problems.

On 14 May 2022, Minister Bakar praised Bali as a model of landscape management and commended it as an example of actualization of sustainable development and the implementation of the Paris Agreement.³⁸⁷⁴

On 31 May 2022, officials from the Ministry of Agriculture met with Australia's Chief Veterinary Officer Mark Schipp and Deputy Chief Veterinary Officer Beth Cookson to discuss the recent detection of the contagious viral animal foot-and-mouth disease (FMD).³⁸⁷⁵ The goal of their meeting was to strengthen bilateral cooperation with Australia by sharing knowledge on animal health and biosecurity in combatting and containing the FMD outbreak.

On 8 June 2022, Deputy Minister of Health Dante Saksono Harbuwono stated that One Health was a key concept in preventing the outbreak and transfer of diseases from animals to humans at the One Health Event in Lombok.³⁸⁷⁶

³⁸⁷⁰ World leaders commit US\$4.8 billion to help break COVID now, Gavi Vaccine Alliance (Geneva) 8 April 2022. Access Date: 17 June 2022. <https://www.gavi.org/news/media-room/world-leaders-commit-us-48-billion-help-break-covid-now>

³⁸⁷¹ Indonesia Bans Palm Oil Exports, Frontline (Chennai) 23 April 2022. Access Date: 19 June 2022. <https://frontline.thehindu.com/dispatches/indonesia-bans-palm-oil-exports/article65396054.ece>

³⁸⁷² KLHK Ensures Waste Management During Eid Al-Fitr Holidays According to Standards, Ministry of Environment and Forestry (Jakarta) 7 May 2022. Translation provided by Google Translate. Access Date: 17 May 2022.

https://www.menlhk.go.id/site/single_post/4767/klhk-pastikan-pengelolaan-sampah-selama-libur-mudik-lebaran-sesuai-standar

³⁸⁷³ Thalassemia is Inherited Disease, Prevent it with Early Detection, Ministry of Health (Jakarta) 10 May 2022. Translation provided by Google Translate. Access Date: 17 May 2022. <https://www.kemkes.go.id/article/view/22051100002/thalassemia-is-inherited-disease-prevent-it-with-early-detection.html>

³⁸⁷⁴ Through Local Wisdom, Bali Leads in Nature Conservation, Ministry of Environment and Forestry (Jakarta) 17 May 2022. Translation provided by Google Translate. Access Date: 17 May 2022.

https://www.menlhk.go.id/site/single_post/4771/melalui-kearifan-lokal-bali-terdepan-dalam-pelestarian-alam

³⁸⁷⁵ Australian Chief Veterinary Officer and Deputy visit Indonesia to strengthen animal health ties, Department of Agriculture, Water and the Environment (Canberra) 31 May 2022. Access Date: 17 June 2022.

<https://www.awe.gov.au/about/news/australian-cvo-and-deputy-visit-indonesia>

³⁸⁷⁶ One Health Prevents Future Outbreaks, Ministry of Health (Jakarta) 8 June 2022. Translation provided by Google Translate. Access Date: 7 October 2022. <https://www.kemkes.go.id/article/view/22060900002/one-health-cegah-outbreak-di-masa-depan.html>

On 20 June 2022, Minister of Health Budi Gunadi Sadikin hosted the G20 Health Ministers in a conference to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁸⁷⁷

On 8 September 2022, Indonesia met the other MIKTA countries of Mexico, Korea, Turkey and Australia to address the impact of COVID-19.³⁸⁷⁸ The goal of this meeting was to create a 21-point statement as a pledge to better maneuver through the present and any future global health emergencies.

On 21 September 2022, Minister Sadikin stated that their “efforts at the G20 are aimed at building a more resilient Indonesian health security system” which would eventually “strengthen the global healthcare system” at a World Economic Forum meeting in New York.³⁸⁷⁹ Minister Sadikin emphasised the development of research centers for the development of drugs, vaccines and diagnostic tools.

Indonesia has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Indonesia took action to protect its environment and biodiversity on a domestic level by strengthening conservation efforts at SML, working towards emission reduction targets and maintaining the sustainability of agricultural practices that it had committed to at COP26. Indonesia also collaborated with national actors to ensure food security while addressing rising costs of food prices in the country. Indonesia has also been collaborating with international actors like Australia, Germany and Japan to strengthen health systems.

Thus, Indonesia receives a score of +1.

Analyst: Shuaib Chauhan

Italy: +1

Italy has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Italy signed the Glasgow Leaders’ Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties (COP26) to stop and reverse deforestation.³⁸⁸⁰ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 23 November 2021, the Joint Committee for Development Cooperation discussed contributions for 21 initiatives totalling EUR43.8 million, focusing in particular on health, food safety and environmental protection, cultural heritage and support for employment of young people and

³⁸⁷⁷ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁸⁷⁸ Statement of Deputy Ministers of Health and Deputy Ministers of Foreign Affairs of MIKTA Countries, Department of Health (Mexico City) 8 September 2022. Access Date: 24 September 2022. <https://www.gob.mx/sre/prensa/statement-of-deputy-ministers-of-health-and-deputy-ministers-of-foreign-affairs-of-mikta-countries?idiom=en>

³⁸⁷⁹ Domestic pharmaceutical industry as a global health power: Minister, Ministry of Health (Jakarta) 24 September 2022. Access Date: 24 September 2022. <https://en.antaranews.com/news/251421/domestic-pharmaceutical-industry-as-a-global-health-power-minister>

³⁸⁸⁰ Glasgow Leaders’ Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

women.³⁸⁸¹ The committee allocated EUR2.3 million to international organizations and EUR41.5 million to projects in the Middle East, Africa and Latin America.

On 23 December 2021, the Ministry of Labor and Social Policies published 2021 guidelines to the Fund for the Assistance of Children with Cancer.³⁸⁸² The goal of these guidelines was to publish information on the projects that are financed by the Fund.

On 18 January 2022, Minister of Labor and Social Policies Andrea Orlando and Labour Economist at the Directorate for Employment, Labor and Social Affairs of the Organization for Economic Co-operation and Development Andrea Garnero presented Italy's report on its achievements against in-work poverty.³⁸⁸³ Key policies included guaranteeing adequate minimum wages, strengthening documentary supervision action and promoting a review of the EU's indicator of in-work poverty.

On 9 February 2022, Prime Minister Mario Draghi announced an investment of EUR500 million in the new breakwater project of Port of Genoa which will increase the port's ability to adapt to next-generation transportation.³⁸⁸⁴ The goal of this project was to improve the environmental and social sustainability of the infrastructure.

On 17 March 2022, the Ministry of Ecological Transition approved and published the plan for the sustainable energy transition of suitable areas.³⁸⁸⁵ The plan aims to identify a framework of reference of areas on land and at sea where it is possible to carry out activities of prospecting, researching and cultivating hydrocarbons.

On 23 March 2022, Prime Minister Draghi announced that the Council of Ministers approved new funding of EUR428 million for reception activities of Ukrainian refugees.³⁸⁸⁶

On 5 April 2022, Prime Minister Draghi earmarked EUR360 million to implement measures to restore natural processes and support the recovery of biodiversity throughout the Po area as part of the National Recovery and Resilience Plan (NRRP) to invest in the future of Turin and of the Piedmont region.³⁸⁸⁷ Prime Minister Draghi also announced an investment of EUR8.7 billion between now and

³⁸⁸¹ Notice of the Ministry of Foreign Affairs – Sereni presides over the Joint Committee for Development Cooperation, Ministry of Foreign Affairs and International Cooperation (Rome) 23 November 2021. Access Date: 12 February 2022. https://www.esteri.it/en/sala_stampa/archivionotizie/comunicati/2021/11/cooperazione-allo-sviluppo-2-2/

³⁸⁸² Fund for the assistance of children with cancer: guidelines published for the year 2021, Ministry of Labor and Social Affairs (Rome) 23 December 2021. Translation provided by Google Translate. Access Date: 12 February 2022. <https://www.lavoro.gov.it/notizie/Pagine/Fondo-per-assistenza-dei-bambini-affetti-da-malattia-oncologica-pubblicare-linee-guida-annualita-2021.aspx>

³⁸⁸³ Fight against in-work poverty in Italy, the Report of the Working Group presented, Ministry of Labor and Social Affairs (Rome) 18 January 2022. Translation provided by Google Translate. Access Date: 12 February 2022. <https://www.lavoro.gov.it/priorita/Pagine/Contrasto-alla-poverta-lavorativa-in-Italia-presentata-la-Relazione-del-Gruppo-di-lavoro.aspx>

³⁸⁸⁴ Prime Minister Draghi's speech in Genoa, Government of Italy (Rome) 9 February 2022. Access Date: 12 February 2022. <https://www.governo.it/en/articolo/prime-minister-draghi-s-speech-genoa/19109>

³⁸⁸⁵ Newsletter n.10/2022 - Plan for sustainable energy transition of suitable areas is approved and published (PITESAI), Ministry of Ecological Transition (Rome) 17 March 2022. Translation provided by Google Translate. Access Date: 12 May 2022. <https://www.mite.gov.it/notizie/newsletter-n-10-2022-approvato-e-pubblicato-il-piano-la-transizione-energetica-sostenibile>

³⁸⁸⁶ PM Draghi's address to the Senate ahead of the European Council Meeting on 24 and 25 March, Government of Italy (Rome) 23 March 2022. Access Date: 11 May 2022. <https://www.governo.it/en/articolo/pm-draghi-s-address-senate-ahead-european-council-meeting-24-and-25-march/19480>

³⁸⁸⁷ Prime Minister Draghi's speech at the 'Patto per Torino' signing ceremony, Government of Italy (Rome) 5 April 2022. Access Date: 11 May 2022. <https://www.governo.it/en/articolo/prime-minister-draghi-s-speech-patto-torino-signing-ceremony/19604>

2023 to help the automotive industry with their ecological transition towards cleaner fuels as part of the NRRP to fight climate change.

On 12 April 2022, Minister of Foreign Affairs and International Cooperation Luigi Di Maio met with France's Minister for Europe and Foreign Affairs Jean-Yves Le Drian, Minister for Agriculture and Food Julien Denormandie and EU Commissioner for Crisis Management Janez Lenarčič to discuss food security in light of Russia's invasion of Ukraine.³⁸⁸⁸ Also in attendance were the leaders of the World Food Programme, the Food and Agriculture Organization of the United Nations, the International Fund for Agricultural Development and the Committee on World Food Security.

On 5 May 2022, the Council of Ministers approved in preliminary examination 10 legislative decrees to adapt and connect national legislation to current EU law on the prevention and control of animal diseases that are transmissible to animals or humans.³⁸⁸⁹ The goal of this legislation is to standardise the treatment of the relationship between animal health and public health.

On 5 May 2022, the Council of Ministers approved in preliminary examination 10 legislative decrees implementing EU regulations on trade, import and conservation of wild and exotic animals and training for animal operators and professionals.³⁸⁹⁰ The decree introduces rules relating to the guiding principles for wild and exotic animals held in captivity and pets, particularly the provisions for the keepers of such specimens.

On 13 May 2022, Minister of Agricultural, Food and Forestry Policies Stefano Patuanelli met with other G7 Agriculture Ministers in Stuttgart to discuss the consequences of Russia's invasion of Ukraine on global food security and nutrition.³⁸⁹¹ The G7 ministers committed to avoid any restrictions on food exports and continue work on creating a more sustainable and resilient agricultural system.

On 19 May 2022, Minister of Health Roberto Speranza met with other G7 Health Ministers in Berlin to discuss the integration of One Health within existing systems.³⁸⁹² The G7 ministers committed to a more inclusive and equity-driven pandemic prevention response system as supported by the World Health Organization (WHO).

On 20 June 2022, Minister Speranza met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁸⁹³

³⁸⁸⁸ Food Security, Ministry of Europe and Foreign Affairs (Paris) 12 April 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.diplomatie.gouv.fr/en/french-foreign-policy/development-assistance/food-security-nutrition-and-sustainable-agriculture/article/food-security-the-minister-for-europe-and-foreign-affairs-and-the-minister-of>

³⁸⁸⁹ Press release of the Council of Ministers n. 76, Government of Italy (Rome) 5 May 2022. Translation provided by Google Translate. Access Date: 11 May 2022. <https://www.governo.it/it/articolo/comunicato-stampa-del-consiglio-dei-ministri-n-76/19767>

³⁸⁹⁰ Press release of the Council of Ministers n. 76, Government of Italy (Rome) 5 May 2022. Translation provided by Google Translate. Access Date: 11 May 2022. <https://www.governo.it/it/articolo/comunicato-stampa-del-consiglio-dei-ministri-n-76/19767>

³⁸⁹¹ Pathways Towards Sustainable Food Systems in Times of Crises, Group of Seven Germany (Berlin) 14 May 2022. Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_International-Affairs/g7-2022-kommunique-en.pdf?__blob=publicationFile&v=5

³⁸⁹² G7 Health Ministers' Communique, Group of Seven Germany (Berlin) 20 May 2022. Access Date: 19 June 2022. <https://www.g7germany.de/resource/blob/974430/2042058/5651daa321517b089cdccaffd1e37a1/2022-05-20-g7-health-ministers-communique-data.pdf?download=1>

³⁸⁹³ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

On 29 June 2022, Italy announced that all 45 milestones and targets in the NRRP for the first six months of 2022 were achieved on time.³⁸⁹⁴ The NRRP focuses efforts on environment, sustainability and socio-economic stabilization.

On 4 July 2022, Prime Minister Draghi travelled to Canazei, Trento to visit the newly established Civil Protection Operations Centre which is responsible for coordinating search and rescue efforts after the glacier collapse on Marmolada mountain.³⁸⁹⁵

On 8 September 2022, Prime Minister Draghi met with Slovakia's Prime Minister Eduard Heger to discuss the ongoing energy crisis and the EU's initiatives to address the crisis.³⁸⁹⁶

On 9 September 2022, Prime Minister Draghi attended a video conference with US President Joe Biden and EU and NATO leaders to discuss the current sanctions on Russia and subsequent efforts to provide sustainable and affordable energy supplies for Europe.³⁸⁹⁷ The meeting also reaffirmed the agreement to unblock Ukraine ports to fight the global food crisis.

On 21 September 2022, Prime Minister Draghi announced an aid decree was approved the previous week to provide funds to help relieve the pressure of high energy costs due to Russia's invasion of Ukraine.³⁸⁹⁸ This initiative aims to provide support for organizations that provide social and healthcare services to people with disabilities.

Italy has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Italy pursued actions to improve animal health by integrating EU regulations with existing national policies, to promote food safety and security amongst G7 ministers and other international actors and to protect biodiversity and implement a more sustainable environmental infrastructure that it had committed to at COP26. Italy also collaborated with G20 ministers and the WHO to support a more equitable global health system.

Thus, Italy receives a score of +1.

Analyst: Sifan Wang

Japan: +1

Japan has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 1 November 2021, Japan initiated its first "Drug Resistance and Antimicrobial Resistance (AMR) Countermeasure Promotion Month" when government agencies worked on disseminating educational

³⁸⁹⁴ NRRP: all 45 objectives met for the first half of 2022, Government of Italy (Rome) 29 June 2022. Access Date: 28 September 2022. <https://www.governo.it/en/articolo/nrrp-all-45-objectives-met-first-half-2022/20191>

³⁸⁹⁵ Marmolada glacier collapse - Prime Minister Draghi visits Canazei, Government of Italy (Rome) 4 July 2022. Access Date: 28 September 2022. <https://www.governo.it/en/articolo/marmolada-glacier-collapse-prime-minister-draghi-visits-canazei/20202>

³⁸⁹⁶ PM Draghi meets with Prime Minister Heger of the Slovak Republic, Government of Italy (Rome) 8 September 2022. Access Date: 28 September 2022. <https://www.governo.it/en/articolo/pm-draghi-meets-prime-minister-heger-slovak-republic/20467>

³⁸⁹⁷ Ukraine - PM Draghi attends video conference with President Biden, EU and NATO leaders, Government of Italy (Rome) 9 September 2022. Access Date: 28 September 2022. <https://www.governo.it/en/articolo/ukraine-pm-draghi-attends-video-conference-president-biden-eu-and-nato-leaders/20485>

³⁸⁹⁸ Prime Minister Draghi's message to the Terzjus Foundation, Government of Italy (Rome) 21 September 2022. Access Date: 28 September 2022. <https://www.governo.it/en/articolo/prime-minister-draghi-s-message-terzjus-foundation/20554>

information pertaining to drug resistance and AMR by displaying videos on public transportation and posting on social media.³⁸⁹⁹ The goal of this action was to raise AMR awareness.

On 2 November 2021, Japan signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties (COP26) to stop and reverse deforestation.³⁹⁰⁰ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 8 November 2021, the Ministry of Environment announced the selection of 19 projects for the Equipment Renewal Subsidy Project under the Support for High-Installations for Facilities with Targets program (SHIFT) through which they subsidize certain projects which reduce carbon dioxide emissions by introducing environmentally-friendly equipment.³⁹⁰¹ The goal of the SHIFT program is to provide leading examples of decarbonisation practices at factories and workplaces and contribute towards medium and long-term emission reduction targets.

On 10 November 2021, the Ministry of Environment and the US Office of Special Presidential Envoy for Climate announced the launch of the Global Subnational Zero Carbon Promotion Initiative at COP26.³⁹⁰² The goal of this bilateral initiative is to promote global action to “recognize, support, and accelerate subnational climate action in developing countries, particularly in Indo-Pacific countries.”³⁹⁰³

On 11 November 2021, the Ministry of Environment held an event at COP26 called “Circular Economy x Carbon Neutrality” where countries, international organizations and global companies discussed strategies to promote the circular economy.³⁹⁰⁴ The goal of this event was to promote the idea that a transition to a circular economy is necessary to achieve carbon neutrality.

On 7 December 2021, Japan hosted the Tokyo Nutrition for Growth (N4G) Summit which is an international conference aimed at promoting global efforts to address nutrition-related challenges.³⁹⁰⁵ The summit discussed five main aspects of nutrition: health, food, resilience, data and financing. The goal of this N4G summit was to better equip countries to tackle malnutrition.

On 22 March 2022, Japan announced the establishment of the Strategic Centre of Biomedical Advanced Vaccine Research and Development for Preparedness and Responses which is a new vaccine

³⁸⁹⁹ About the schedule of efforts in drug resistance (AMR) measures promotion month (November) (Reiwa 3rd year), Coordination Office of Measures on Emerging Infectious Diseases (Tokyo) n.d. Translation provided by Google Translate. Access Date: 23 February 2022.

https://www.cas.go.jp/jp/seisaku/infection/activities/amr/r03_taisakusuisin.html

³⁹⁰⁰ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁹⁰¹ MOEJ selected 19 projects in the second round selection for the Equipment Renewal Subsidy Project under the FY2021 Subsidy for CO2 Emission Control Measures (Support for High-efficiency Installations for Facilities with Targets), Ministry of the Environment (Tokyo) 8 November 2021. Access Date: 23 February 2022. <https://www.env.go.jp/en/headline/2564.html>

³⁹⁰² Announcement of launch of "Global Subnational Zero Carbon Promotion Initiative" by Japan and United States of America, Ministry of the Environment (Tokyo) 19 November 2021. Access Date: 23 February 2022. <https://www.env.go.jp/en/headline/2558.html>

³⁹⁰³ Announcement of launch of "Global Subnational Zero Carbon Promotion Initiative" by Japan and United States of America, Ministry of the Environment (Tokyo) 19 November 2021. Access Date: 23 February 2022. <https://www.env.go.jp/en/headline/2558.html>

³⁹⁰⁴ MOEJ held a side event, "Circular Economy x Carbon Neutrality," at COP26, Ministry of the Environment (Tokyo) 12 November 2021. Access Date: 23 November 2021. <https://www.env.go.jp/en/headline/2554.html>

³⁹⁰⁵ Tokyo Nutrition for Growth (N4G) Summit 2021, Ministry of Foreign Affairs (Tokyo) n.d. Access Date: 23 February 2022. <https://www.n4g-tokyo2021.jp/en/>

research hub within the Japan Agency for Medical Research and Development.³⁹⁰⁶ The goal of this new centre is to deliver safe and effective vaccines for a priority list of infectious diseases and to make vaccines produced in Japan more accessible internationally.

On 4 April 2022, Minister of the Environment Tsuyoshi Yamaguchi released a statement on the Sixth Assessment Report of the Intergovernmental Panel on Climate Change reiterating Japan's commitment to reducing greenhouse emissions and to “transform the entire economy and society.”³⁹⁰⁷

On 8 April 2022, Japan pledged USD500 million in funding toward the Gavi COVAX initiative at the Break COVID Now Summit co-hosted by Germany, Indonesia, Ghana, Senegal and Gavi which is the Vaccine Alliance.³⁹⁰⁸ The goal of this investment was to ensure equitable global access to COVID-19 vaccines.

On 14 April 2022, the Japan Science and Technology Agency and Directorate-General for Research and Innovation of the European Commission each announced the results of a call for applications on “Advanced Biofuels and Alternative Renewable Fuels” as part of the Strategic International Collaborative Research Program.³⁹⁰⁹ The goal of the initiative was to design a proposal for achieving a net-zero carbon society.

On 13 May 2022, State Minister of Agriculture, Forestry and Fisheries Arata Takebe met with other G7 Agriculture Ministers in Stuttgart to discuss the consequences of Russia's invasion of Ukraine on global food security and nutrition.³⁹¹⁰ The G7 ministers committed to avoid any restrictions on food exports and continue work on creating a more sustainable and resilient agricultural system.

On 19 May 2022, Member of the House of Representatives Hidemichi Sato met with other G7 Health Ministers in Berlin to discuss the integration of One Health within existing systems.³⁹¹¹ The G7 ministers committed to a more inclusive and equity-driven pandemic prevention response system as supported by the World Health Organization (WHO).

On 20 June 2022, Minister of Health, Labour and Welfare Shigeyuki Goto met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁹¹²

³⁹⁰⁶ Japan looks to accelerate vaccine research and development with new government body, The Japan Times (Tokyo) 3 April 2022. Access Date: 23 September 2022. <https://www.japantimes.co.jp/news/2022/04/03/national/science-health/japan-vaccine-development-agency/>

³⁹⁰⁷ Statement by YAMAGUCHI Tsuyoshi, Minister of the Environment, Japan, on the Sixth Assessment Report (AR6) of the Intergovernmental Panel on Climate Change (IPCC) (April 4, 2022), Ministry of the Environment (Tokyo) 4 April 2022. Access Date: 16 May 2022. https://www.env.go.jp/en/focus/statement_by_yamaguchi_tsuyoshi_minister_of_the_environment_japan_on_the_sixth_assessment_report_ar6_1.html

³⁹⁰⁸ World leaders commit US\$4.8 billion to help break COVID now, Gavi Vaccine Alliance (Geneva) 8 April 2022. Access Date: 17 June 2022. <https://www.gavi.org/news/media-room/world-leaders-commit-us-48-billion-help-break-covid-now>

³⁹⁰⁹ Start of Japan-EU Joint Research on 'Advanced Biofuels and Alternative Renewable Fuels', Ministry of Education, Culture, Sports, Science and Technology (Tokyo) 14 April 2022. Access Date: 16 May 2022. https://www.mext.go.jp/en/news/topics/detail/mext_00050.html

³⁹¹⁰ Pathways Towards Sustainable Food Systems in Times of Crises, Group of Seven Germany (Berlin) 14 May 2022. Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_International-Affairs/g7-2022-kommunique-en.pdf?__blob=publicationFile&v=5

³⁹¹¹ G7 Health Ministers' Communique, Group of Seven Germany (Berlin) 20 May 2022. Access Date: 19 June 2022. <https://www.g7germany.de/resource/blob/974430/2042058/5651daa321517b089cdccaffd1e37a1/2022-05-20-g7-health-ministers-communique-data.pdf?download=1>

³⁹¹² G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

On 15 July 2022, Minister Yamaguchi delivered a speech on “circular economy solutions to address” plastic pollution and shared efforts at curbing the issue including the “Osaka Blue Ocean Vision” at a side event of the UN High-Level Political Forum.³⁹¹³ The goal of this address was to reiterate Japan’s commitment, collaboration and leadership to ending plastic pollution in oceans.

On 28 August 2022, Japan and the African Development Bank announced a USD5 billion financial cooperation under the fifth phase of the Enhanced Private Sector Assistance for Africa initiative (EPSA) from 2023 to 2025.³⁹¹⁴ Under EPSA 5, agriculture and nutrition are a priority area given the importance of food security. The goal of this action was to promote cooperation between Japan and Africa to tackle social and economic challenges.

On 2 September 2022, Minister of the Environment Nishimura Akihiro and US’ Administrator of the Environmental Protection Agency Michael Regan met in Tokyo for a high-level bilateral dialogue and released a joint statement on continued bilateral environmental cooperation.³⁹¹⁵ The goal of this dialogue was to discuss accomplishments including climate investments from the US Inflation Reduction Act and discuss priorities for continued cooperation on environmental protection.

On 5 September 2022, the Ministry of Agriculture, Forestry, and Fisheries and the Asian Development Bank signed a memorandum of cooperation to promote sustainable and resilient agri-food systems in Asia and the Pacific.³⁹¹⁶ The goal of this move was to build more resilient food systems to ensure food security in the region through innovative and sustainable practices and technologies such as digital tools and pest control methods.

Japan has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Japan took strong action to pursue the protection of human health and environmental health in its national policies as seen with its initiation of the AMR Countermeasure Promotion Month and moving ahead with the SHIFT program. Japan also collaborated with important international actors like the WHO and G20 Health Ministers and participated in important summits like COP26 and N4G where it introduced measures that balanced the health of people, animals and ecosystems.

Thus, Japan receives a score of +1.

Analyst: Jonathan Chin Wei

Korea: +1

Korea has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

³⁹¹³ Video Message by Yamaguchi Tsuyoshi, Minister of the Environment, Japan, on "Circular economy solutions to address plastic pollution" at the side event of HLPF (July 15, 2022), Ministry of the Environment (Tokyo) 15 July 2022. Access Date: 23 September 2022. https://www.env.go.jp/en/focus/statement/statement_20220715.html

³⁹¹⁴ Japan and the African Development Bank announce up to \$5 billion in support for Africa’s private sector, African Development Bank Group (Tunis) 28 August 2022. Access Date: 23 September 2022. <https://www.afdb.org/en/news-and-events/press-releases/japan-and-african-development-bank-announce-5-billion-support-africas-private-sector-54402>

³⁹¹⁵ EPA and The Ministry of the Environment of Japan Release Joint Statement on Continued Bilateral Environmental Cooperation, United States Environmental Protection Agency (Washington D.C.) 2 September 2022. Access Date: 23 September 2022. <https://www.epa.gov/newsreleases/epa-and-ministry-environment-japan-release-joint-statement-continued-bilateral>

³⁹¹⁶ ADB, Japan’s Agriculture Ministry to Strengthen Food Systems Partnership, Asian Development Bank (Manila) 6 September 2022. Access Date: 23 September 2022. <https://www.adb.org/news/adb-japan-agriculture-ministry-strengthen-food-systems-partnership>

On 2 November 2021, Korea signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties (COP26) to stop and reverse deforestation.³⁹¹⁷ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 10 November 2021, Minister of Trade, Industry and Energy Moon Sung-wook met with US Secretary of Energy Jennifer Granholm and agreed to launch the energy policy dialogue which is a ministerial talk aimed at strengthening partnership in the energy sector.³⁹¹⁸ The goal of this initiative was to decarbonize the economy and achieve a sustainable clean energy future.

On 22 November 2021, the Ministry of Oceans and Fisheries launched the "Oceans and Fisheries Climate Change Response Task Force," consisting of a wide range of private-sector experts from all fields of marine and fisheries.³⁹¹⁹ The goal of assembling this team was to build an integrated multi-perspective response approach to climate change and its impacts on the oceans.

On 1 December 2021, Minister of Health and Welfare Kwon Deok-cheol published a plan in collaboration with the Central Disaster Management Headquarters to ensure the stable operation of the pandemic response system centred on at-home self-isolation care.³⁹²⁰ This plan was intended to reinforce the healthcare infrastructure, provide necessary resources for local governments and allow emergency on-site inspections.

On 9 December 2021, Minister Kwon worked to complete early COVID-19 booster vaccination for workers and residents of nursing facilities.³⁹²¹ The goal of this initiative was to ensure that the front-line workers who came in contact with vulnerable residents were better protected against COVID-19.

On 10 December 2021, Korea launched the Carbon Neutrality Vision and Strategy for Industry and Energy which is a strategy to achieve carbon neutrality in the energy and industry sectors that account for over 70 per cent of total carbon emissions.³⁹²² Korea pledged support with tax, finance and regulatory innovation for firms and promoted industrial projects focused on carbon-neutral technologies, environment-friendly infrastructure and green engineering. The goal of this initiative was to eliminate coal power generation by 2050 and achieve carbon-free energy with renewables and hydrogen.

³⁹¹⁷ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

³⁹¹⁸ Korea, U.S. agree to launch cooperation platform for carbon neutrality targets, Ministry of Trade, Industry and Energy (Sejong-si) 11 November 2021. Access Date: 9 May 2022. http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1143&bbs_cd_n=1&view_type_v=TOPIC&¤tPage=31&search_key_n=&search_val_v=&cate_n=3

³⁹¹⁹ Launch of Oceans and Fisheries Climate Change Response TF and Holding the Public-Private Integrated Workshop, Ministry of Oceans and Fisheries (Sejong-si) 22 November 2021. Access Date: 9 May 2022. <https://www.mof.go.kr/en/board.do?menuIdx=1491&bbsIdx=77998>

³⁹²⁰ At-Home Self-Isolation Expansion Plan for COVID-19 Patients, Ministry of Health and Welfare (Sejong-si) 13 December 2021. Access Date: 9 May 2022. http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=4&CONT_SEQ=368899

³⁹²¹ Intensive implementation of COVID-19 booster vaccination in nursing homes (11.26), Ministry of Health and Welfare (Sejong-si) 9 December 2021. Access Date: 9 May 2022. http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=4&CONT_SEQ=368835

³⁹²² Korea announces "Carbon Neutrality Vision and Strategy for Industry and Energy," Ministry of Trade, Industry and Energy (Sejong-si) 15 December 2021. Access Date: 10 May 2022. http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=897&bbs_cd_n=2&view_type_v=TOPIC&¤tPage=31&search_key_n=&search_val_v=&cate_n=3

On 17 December 2021, the Ministry of Oceans and Fisheries announced that it has drawn up the 2050 Carbon Neutrality Roadmap to establish the future direction of the marine and fisheries sector.³⁹²³ Some of the sectors outlined in the roadmap include shipping, fisheries and fishing villages, marine energy and blue carbon.

On 28 December 2021, the Ministry of Oceans and Fisheries launched the 2022 Ministry of Oceans and Fisheries Work Plan.³⁹²⁴ This report aimed to activate the coastal economy by accelerating the vitalization of fishing communities, supporting the sustainable innovation and growth of the fishery industry, enhancing the foundation for marine tourism and promoting port reconstruction.

On 11 January 2022, the Ministry of Agriculture, Food and Rural Affairs pledged KRW40.9 billion to support the research and development of eco-friendly technologies and energy such as hydrogen and electricity to replace agricultural machinery using internal combustion engines.³⁹²⁵

On 24 January 2022, the Ministry of Oceans and Fisheries and the International Maritime Organization (IMO) hosted a five day global capacity-building training program for the reduction of greenhouse gases.³⁹²⁶ The goal of this training was to guide developing states on greenhouse gas reduction for Korea to fulfill its responsibility within the IMO Council and to contribute to global carbon neutrality efforts.

On 26 January 2022, the Ministry of Environment of the Republic of Korea signed an agreement with Gurye County, Seocheon County, the Association of Bears in Captivity and four civic groups to end bear bile farming starting from 2026.³⁹²⁷ This agreement aims to prohibit keeping bears in captivity starting 1 January 2026, ensure the health and safety of bears until they are transferred to sanctuaries and protect the bears from illegal propagation.

On 7 February 2022, the Ministry of Agriculture, Food and Rural Affairs announced its plan to build the foundation for a sustainable livestock environment, manage breeds for low-carbon livestock production and ensure the proper treatment of livestock manure.³⁹²⁸ The goal of this plan was to reduce greenhouse gases in the livestock industry, especially methane.

³⁹²³ Ministry of Oceans and Fisheries laying the foundation for carbon neutrality by announcing “2050 Carbon Neutrality Roadmap for the Marine and Fisheries Sector”, Ministry of Oceans and Fisheries (Sejong-si) 17 December 2021. Access Date: 10 May 2022. <https://www.mof.go.kr/en/board.do?menuIdx=1491&bbsIdx=78533>

³⁹²⁴ “Changes Made in Conjunction with the People, by a Government that Fulfills its Responsibilities until the End”, Ministry of Oceans and Fisheries (Sejong-si) 28 December 2021. Access Date: 10 May 2022. <https://www.mof.go.kr/en/board.do?menuIdx=1491&bbsIdx=78668>

³⁹²⁵ MAFRA to start research and development of electric and hydrogen agriculture machinery, Ministry of Agriculture, Food and Rural Affairs (Sejong-si) 11 January 2022. Access Date: 10 May 2022. <https://www.mafra.go.kr/english/756/subview.do?enc=Zm5jdDF8QEB8JTJGYmJzJTJGZW5nbGlzaCUyRjl1JTJGMzI5Mzg4JTJGYXJOY2xWaWV3LmRvJTNGYmJzQ2xTZXEIM0QIMjZyZ3NFbmkZVN0ciUzRCUyNmJic09wZW5XcmRTZXEIM0QIMjZwYXNzd29yZCUyRCUyNmN5Y2hDb2x1bW4IM0QIMjZwYwJlJTNEUyUyNnJnc0JnbmRlU3RyJTNEJTI2cm93JTNEIMTAIMjZpc1ZpZXdNaW5lJTNEZmFsc2UIMjZzcmNoV3JkTNEJTI2>

³⁹²⁶ Ministry of Oceans and Fisheries provides training for developing states on greenhouse gas reduction between Jan 24 (Mon) ~ 28 (Fri), Ministry of Oceans and Fisheries (Sejong-si) 27 January 2022. Access Date: 10 May 2022. <https://www.mof.go.kr/en/board.do?menuIdx=1491&bbsIdx=79158>

³⁹²⁷ End of Agony of Captive Bears, Ministry of Environment (Seoul) 26 January 2022. Access Date: 10 May 2022. <http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=30&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1505440&boardMasterId=522&boardCategoryId=&decorator=>

³⁹²⁸ Cut greenhouse gas emissions by 30% in the livestock sector by 2030, Ministry of Agriculture, Food and Rural Affairs (Sejong-si) 7 February 2022. Access Date: 10 May 2022. <https://www.mafra.go.kr/english/756/subview.do?enc=Zm5jdDF8QEB8JTJGYmJzJTJGZW5nbGlzaCUyRjl1JTJGMzI5Njg4JTJGYXJOY2xWaWV3LmRvJTNGYmJzQ2xTZXEIM0QIMjZyZ3NFbmkZVN0ciUzRCUyNmJic09wZW5XcmRTZXEIM0QIMjZyZ3NCZ25kZVN0ciUzRCUyNmNhc3N3b3JkTNEJTI2c3JjaENvbHVtbiUzRCUyNmJvdjUzRDEwJTJ2aXNWaWV3TWluZSUzRGZhbHNIJTJ2cGFnZSUzRDlIMjZzcmNoV3JkTNEJTI2>

On 2 March 2022, Minister Kwon collaborated with the Central Disaster Management Headquarters to allot 26 additional hub hospitals dedicated to pediatric COVID-19 patients.³⁹²⁹ The goal of this initiative was to ensure safe treatment of both COVID-19 and non-COVID-19 pediatric inpatients and outpatients.

On 8 March 2022, Minister Kwon worked with the Central Disaster Management Headquarters to produce and distribute guidelines on medical care for paediatric patients with COVID-19.³⁹³⁰ The purpose of these guidelines was to ensure seamless contact-free patient care at community hospitals and clinics and to help parents and caregivers effectively deal with increasing rates of pediatric infection.

On 31 March 2022, the Ministry of Environment signed a memorandum of understanding with the Korean Association of Animal Industry and 11 raccoon-owning exotic animal cafes on the “raccoon registration pilot program.”³⁹³¹ The agreement details the partnership between the private and public sectors to protect and manage raccoons because they are a non-native species that can threaten ecosystems by spreading zoonotic diseases.

On 8 April 2022, the Central Disaster Control Headquarters for African swine fever announced that it would devise and implement strengthened measures to control African swine fever in the spring season.³⁹³² The purpose of these measures was to mitigate the risks of this outbreak in pig farms where the fever broke out among wild boars and which see hikers during the spring.

On 21 April 2022, Minister Moon held a Clean Hydrogen Conference to discuss domestic hydrogen production and the challenges companies face in the implementation of hydrogen utilization.³⁹³³ The goal of this conference was to promote carbon neutrality.

On 25 April 2022, the Ministry of Environment published the Climate Action 1.5 app.³⁹³⁴ The goal of this app was to act as a net-zero rewards program and encourage users to reduce their emissions to earn points-based rewards.

On 9 May 2022, Minister of Environment Han Jeoung Ae and President of the National Institute of Biological Resources Suh Min-hwan announced plans to develop guidelines for green space

³⁹²⁹ Expanding infrastructure for in-person outpatient and inpatient care for pediatric COVID-19 patients, Ministry of Health and Welfare (Sejong-si) 8 March 2022. Access Date: 10 May 2022.

http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=2&CONT_SEQ=370539

³⁹³⁰ How to Care for Pediatric Patients with COVID-19 from Home, Ministry of Health and Welfare (Sejong-si) 17 March 2022. Access Date: 10 May 2022.

http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=2&CONT_SEQ=370653

³⁹³¹ The Ministry of Environment to Protect the Country's Ecosystem through the Registration of Exotic Animals, Ministry of Environment (Sejong-si) 1 April 2022. Access Date: 10 May 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=10&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1517740&boardMasterId=522&boardCategoryId=&decorator=>

³⁹³² MAFRA is to strengthen quarantine measures to control African swine fever in the spring season, Ministry of Agriculture, Food and Rural Affairs (Sejong-si) 8 April 2022. Access Date: 11 May 2022.

<https://www.mafra.go.kr/english/756/subview.do?enc=Zm5jdDF8QEB8JTJGYmJzJTJGZW5nbGlzaCUyRjl1JTJGMzMwMDYwJTJGYXJOY2xWaWV3LmRvJTNG>

³⁹³³ MOTIE holds Clean Hydrogen Conference, Ministry of Trade, Industry and Energy (Sejong-si) 22 April 2022. Access Date: 11 May 2022.

http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=962&bbs_cd_n=2&view_type_v=TOPIC&¤tPage=1&search_key_n=&search_val_v=&cate_n=3

³⁹³⁴ The smartphone app "Climate Action 1.5°C" was published, Ministry of Environment (Sejong-si) 25 April 2022. Access Date: 11 May 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1521790&boardMasterId=522&boardCategoryId=&decorator=>

management.³⁹³⁵ The purpose of these guidelines is for local governments and concerned authorities to manage green spaces such as tree-lined streets and walking trails while improving biodiversity.

On 13 May 2022, Korea purchased an order for 1.009 million additional doses of oral COVID-19 pills for a total volume of 2.071 million doses.³⁹³⁶ The goal of this initiative was to prepare for the transition of COVID-19 treatment to the general medical system.

On 13 May 2022, Korea announced that starting from 16 May 2022 oral COVID-19 pills would be available by prescription to those with weakened immune systems and those aged 60 or above.³⁹³⁷ In addition, those aged 12 or above would be able to receive Paxlovid by prescription and those 18 or above would be able to receive Lagevrio with underlying symptoms.

On 25 May 2022, Second Vice Minister of Trade, Industry and Energy Park Il-Joon attended the 2022 Global Hydrogen Industrial Association Alliance Forum where he introduced Korea's plan to ensure a balanced development of the production, distribution and utilization elements of the hydrogen cycle.³⁹³⁸ Vice Minister Park explained other plans: to construct large-scale hydrogen production facilities for energy sources so that hydrogen can be “diversified across solar, wind, nuclear and natural gas power”, to prepare fully equipped hydrogen carrier vessels for handover and storage, to set global qualification standards for clean hydrogen, to expand the supply of hydrogen cars and multi-fueling stations and to implement “technological development and demonstration of hydrogen and ammonia power generation.” The goal of this forum was to build a hydrogen industry ecosystem on a global scale.

On 27 May 2022, Minister of Environment Han Wha-jin announced plans to take measures to prevent nitrogen and phosphorus from flowing into the water system to account for algal blooms in June and manage water quality.³⁹³⁹ The goal of this plan is to ensure the safety of drinking water.

On 29 May 2022, Minister Han announced that the National Assembly passed 14 environmental bills including the Framework Act on Environmental Policy and the Sewerage Act.³⁹⁴⁰ These bills aim to help mitigate the effects of climate change.

On 31 May 2022, the Central Disaster and Safety Countermeasures Headquarters published a plan for the gradual adjustment of at-home treatment for individuals with COVID-19.³⁹⁴¹ The plan entailed

³⁹³⁵ The Ministry of Environment will Manage Green Spaces Considering Biodiversity (Sejong-si) 9 May 2022. Access Date: 9 June 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=10&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1524080&boardMasterId=522&boardCategoryId=&decorator=>

³⁹³⁶ Additional Purchase of Oral COVID-19 Pills and Expansion of Prescription Targets (Sejong-si) 18 May 2022. Access Date: 9 June 2022.

http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=1&CONT_SEQ=371505

³⁹³⁷ Additional Purchase of Oral COVID-19 Pills and Expansion of Prescription Targets (Sejong-si) 18 May 2022. Access Date: 9 June 2022.

http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=1&CONT_SEQ=371505

³⁹³⁸ Energy Vice Minister attends GHIAA launching ceremony (Sejong-si) 30 May 2022. Access Date: 9 June 2022.

http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=980&bbs_cd_n=2&view_type_v=TOPIC¤tPage=1&search_key_n=&search_val_v=&cate_n=3

³⁹³⁹ The Ministry of Environment to safeguard the nation's water quality, preparing for algal blooms in summer (Sejong-si) 27 May 2022. Access Date: 9 June 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1528120&boardMasterId=522&boardCategoryId=&decorator=>

³⁹⁴⁰ The National Assembly passed fourteen environmental bills (Sejong-si) 2 June 2022. Access Date: 9 June 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1528970&boardMasterId=522&boardCategoryId=&decorator=>

³⁹⁴¹ Gradual adjustment of at-home treatment of COVID-19 (Sejong-si) 3 June 2022. Access Date: 9 June 2022.

http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=1&CONT_SEQ=371695

some revisions to the classification of intensive and general management groups, maintained 24-hour response and guidance and expanded face-to-face medical consultation and care.

On 3 June 2022, the Central Disaster and Safety Countermeasures Headquarters discussed a report from the Central Disease Control Headquarters about the results of the COVID-19 mental health survey and the psychological COVID-19 support plan for a recovery to a new normal³⁹⁴² They concluded that psychological support measures to help the public recover to a new normal life will be prepared and implemented. The goal of implementing these measures was to assist individuals suffering from depression, suicidal thoughts, anxiety, and post-traumatic stress disorder through a community-centred approach that focuses on vulnerable persons while diversifying psychological services, reinforcing follow-up management for the public and increasing awareness of mental health services.

On 12 June 2022, the National Institute of Environmental Research organized training courses on environmental satellites with the UN Economic and Social Commission for Asia and the Pacific.³⁹⁴³ The training courses would be organized around “Building the Pan-Asia Partnership for Geospatial Air Quality information.”

On 20 June 2022, Minister Kwon met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁹⁴⁴

On 21 June 2022, the Ministry of Environment announced its plan to produce energy from wastewater treatment plants and water filtration plants and expand biogas and hydropower.³⁹⁴⁵ The goal of this plan was to “double the renewable energy generation by utilizing biogas, floating solar farms, and small hydropower generation at the environmental facilities such as wastewater treatment plants, water filtration plants, and dams.”

On 28 June 2022, the Minister of Trade, Industry and Energy Lee Chang-yang met Czech Republic’s Industry and Trade Minister Jozef Sikela to discuss cooperation in nuclear energy and other areas.³⁹⁴⁶ The goal of these meetings was to achieve global market penetration, early commercialization and the production-transport-utilization of hydrogen.

³⁹⁴² Psychological COVID-19 support plan for recovery to a new normal (Sejong-si) 7 June 2022. Access Date: 9 June 2022. http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=1&CONT_SEQ=371710

³⁹⁴³ The National Institute of Environmental Research (NIER) Laid the Foundations for International Cooperation on Air Pollution in Asia, Ministry of Environment (Sejong-si) 14 June 2022. Access Date: 25 September 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=40&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1531200&boardMasterId=522&boardCategoryId=&decorator=>

³⁹⁴⁴ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁹⁴⁵ The Ministry of Environment plans to produce energy from wastewater treatment plants and water filtration plants, Ministry of Environment (Sejong-si) 24 June 2022. Access Date: 25 September 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=40&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1533260&boardMasterId=522&boardCategoryId=&decorator=>

³⁹⁴⁶ Korea and Czech Republic hold talks on nuclear energy cooperation, Ministry of Trade, Industry and Energy (Sejong-si) 29 June 2022. Access Date: 25 September 2022.

http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1004&bbs_cd_n=2&view_type_v=TOPIC&¤tPage=41&search_key_n=&search_val_v=&cate_n=3

On 5 July 2022, Korea laid out new energy policy goals and directions through a process of deliberation and resolution in its 30th Cabinet meeting.³⁹⁴⁷ These policy goals aim to better accomplish carbon neutral projects and see the expansion of nuclear power.

On 12 July 2022, the Korea Environmental Industry and Technology Institute, an affiliate of the Ministry of Environment, signed a Memorandum of Understanding with the Central American Bank for Economic Integration for environmental cooperation.³⁹⁴⁸

On 20 July 2022, Second Vice Minister Park presided over the Hydrogen Economy Investment Stimulation Conference.³⁹⁴⁹ The goal of this conference was to share new hydrogen economy policies and “gather opinions from private equity firms to bolster hydrogen industry competitiveness by providing a strong energy system through climate change response.”

On 27 July 2022, the Ministry of Health and Welfare announced its Strategy for Bio-Health Industry Innovation for Pandemic Preparation and Global Leadership.³⁹⁵⁰ The goal of this strategy is to promote biohealth investments to remain prepared for pandemics, provide bio-health regulatory reform, create advanced bio-health infrastructure and enable stronger biohealth global cooperation.

On 29 July 2022, Vice Minister of Oceans and Fisheries Song Sang-Keun and China’s Vice Minister of Agriculture and Rural Affairs Ma Youxiang attended the 4th China-ROK Joint Fish release held simultaneously in Mokpo, Jeollanam-do, Korea and Yantai, China.³⁹⁵¹ The release of over two million fish fry of various aquatic species such as back rockfish, small yellow croakers, gazami crabs and green fin horse-faced filefish into the Yellow Sea celebrated the 30th anniversary of the establishment of China-ROK diplomatic relations. The goal of this event was to strengthen bilateral cooperation in marine ecological conservation and the rehabilitation of marine fishery resources.

On 2 August 2022, 2050 Carbon Neutrality and Green Growth Commission Secretary General Lee Jung-won chaired the 1st International Emissions Reduction Council.³⁹⁵² The goals of this council follow the Enforcement Decree of the Framework Act on Carbon Neutrality to review and revise matters concerning international emissions reduction projects.

³⁹⁴⁷ Korea's new energy policies are announced, Ministry of Trade, Industry and Energy (Sejong-si) 5 July 2022. Access Date: 25 September 2022.

http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1008&bbs_cd_n=2&view_type_v=TOPIC&¤tPage=31&search_key_n=&search_val_v=&cate_n=3

³⁹⁴⁸ KEITI Laid the Foundation for Environmental Cooperation with Central America, Ministry of Environment (Sejong-si) 13 July 2022. Access Date: 25 September 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=30&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1537020&boardMasterId=522&boardCategoryId=&decorator=>

³⁹⁴⁹ MOTIE holds Hydrogen Economy Investment Stimulation Conference, Ministry of Trade, Industry and Energy (Sejong-si) 20 July 2022. Access Date: 25 September 2022.

http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1319&bbs_cd_n=1&view_type_v=TOPIC&¤tPage=31&search_key_n=&search_val_v=&cate_n=3

³⁹⁵⁰ A Strategy for Bio-Health Industry Innovation for Pandemic Preparation and Global Leadership, Ministry of Health and Welfare (Sejong-si) 12 August 2022. Access Date: 25 September 2022.

http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=2&CONT_SEQ=372565

³⁹⁵¹ China, ROK Release over 2 Million Fish Fry, Ministry of Agriculture and Rural Affairs (Beijing) 1 August 2022. Access Date: 25 September 2022. http://english.moa.gov.cn/news_522/202208/t20220801_300934.html

³⁹⁵² Establishing a domestic implementation system for international greenhouse emissions reduction projects, Ministry of Environment (Sejong-si) 4 August 2022. Access Date: 25 September 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=20&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1540680&boardMasterId=522&boardCategoryId=&decorator=>

On 16 August 2022, Minister Han convened the first council meeting to advance the emissions trading scheme.³⁹⁵³ The purpose of this meeting was to discuss ways to improve the greenhouse gas emissions trading scheme to achieve the goal of attaining carbon neutrality.

On 18 August 2022, Minister Lee presided over a session of the Nuclear Energy Exports Strategy Committee.³⁹⁵⁴ The goal of this session was to review comprehensive nuclear energy exports strategies, develop key policies for building global competitiveness.

On 22 August 2022, the Ministry of Trade, Industry and Energy co-hosted the 31st Korea-Australia Joint Committee on Energy and Mineral Resources with Australia's Department of Climate Change, Environment, Energy and Water and Department of Industry, Science and Resources.³⁹⁵⁵ The goal of the meeting was to cover critical minerals for clean energy expansion, energy supply chain resilience, hydrogen power and carbon capture, utilization and storage.

On 29 August 2022, Second Vice Minister of Health and Welfare Lee Ki-il met with Denmark's Minister of Health Magnus Heunicke.³⁹⁵⁶ The goal of this meeting was to discuss response measures to COVID-19 and to speak about bilateral cooperation in significant areas of healthcare such as chronic disease.

On 2 September 2022, the Ministry of Health and Welfare announced the first shipment of the first domestically developed COVID-19 vaccine called SKYCOVIONE.³⁹⁵⁷

On 6 September 2022, the Ministry of Environment and the Organization for Economic Cooperation and Development organized the workshop with the theme Future of Chemical Safety Assessment - Utilization of Non-Animal Testing Data.³⁹⁵⁸ This event was organized to promote alternatives to animal testing for chemical products and to conduct joint research with international organizations and research institutes.

³⁹⁵³ The Ministry of Environment to Improve the Korea Emissions Trading Scheme, Ministry of Environment (Sejong-si) 19 August 2022. Access Date: 25 September 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=10&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1543010&boardMasterId=522&boardCategoryId=&decorator=>

³⁹⁵⁴ MOTIE kicks off Nuclear Energy Exports Strategy Committee, Ministry of Trade, Industry and Energy (Sejong-si) 18 August 2022. Access Date: 25 September 2022.

http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1041&bbs_cd_n=2&view_type_v=TOPIC¤tPage=21&search_key_n=&search_val_v=&cate_n=3

³⁹⁵⁵ Korea and Australia hold 31st Joint Committee on Energy and Mineral Resources, Ministry of Trade, Industry and Energy (Sejong-si) 23 August 2022. Access Date: 25 September 2022.

http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1043&bbs_cd_n=2&view_type_v=TOPIC¤tPage=21&search_key_n=&search_val_v=&cate_n=3

³⁹⁵⁶ Korea's 2nd Vice Minister of Health and Welfare meets with Denmark's Minister of Health and discusses healthcare cooperation, Ministry of Health and Welfare (Sejong-si) 2 September 2022. Access Date: 25 September 2022.

http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=1&CONT_SEQ=372806

³⁹⁵⁷ S.Korea's first domestically developed COVID-19 vaccine started its shipment, Ministry of Health and Welfare (Sejong-si) 2 September 2022. Access Date: 25 September 2022.

http://www.mohw.go.kr/eng/nw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=1&CONT_SEQ=372813

³⁹⁵⁸ Establishing the safety assessment of chemicals without the use of animal testing, Ministry of Environment (Sejong-si) 13 September 2022. Access Date: 25 September 2022.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1548950&boardMasterId=522&boardCategoryId=&decorator=>

On 8 September 2022, Korea met the other MIKTA countries of Mexico, Indonesia, Turkey and Australia to address the impact of COVID-19.³⁹⁵⁹ The goal of this meeting was to create a 21-point statement as a pledge to better maneuver through the present and any future global health emergencies.

On 16 September 2022, Minister Lee held the 1st Energy Policy Consultation Committee Meeting.³⁹⁶⁰ The goal of this meeting was to gather experts' opinions on global energy supply crisis countermeasures.

On 16 September 2022, Energy Policy Director-General for the Ministry of Trade, Industry and Energy Lee Won-ju attended the 16th East Asia Summit and 19th Association of Southeast Asian Nations Plus Three Energy Ministers' Meeting.³⁹⁶¹ The goal of these meetings was to discuss energy security reinforcement and clean energy expansion.

From 25 to 26 October 2022, Ministry of Health and Welfare hosted the World Bio Summit 2022 alongside the WHO to address topics related to “the Future of Vaccine and Bio-Health.”³⁹⁶² Global leaders and business leaders of from vaccine and biologics companies met to share their experiences during the COVID-19 pandemic and discuss potential international cooperation to deliver “more rapid and equitable” response to infectious diseases in the future.

Korea has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Korea has taken steps to mitigate the effects of climate change through its carbon-neutrality efforts and collaboration with the US, address the ongoing COVID-19 situation and control the spread of zoonotic diseases. It has adhered to commitments made at COP26 by ensuring the protection and conservation of the coastal ecosystem, working with the IMO to reduce greenhouse gases, contributing to animal and biodiversity protection and managing fisheries and green spaces.

Thus, Korea receives a score of +1.

Analyst: Elizaveta Strelnikova

Mexico: 0

Mexico has partially complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Mexico signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties to stop and reverse deforestation.³⁹⁶³ The goal of this agreement was to pursue policies enhancing sustainable agriculture

³⁹⁵⁹ Statement of Deputy Ministers of Health and Deputy Ministers of Foreign Affairs of MIKTA Countries, Department of Health (Mexico City) 8 September 2022. Access Date: 24 September 2022.

<https://www.gob.mx/sre/prensa/statement-of-deputy-ministers-of-health-and-deputy-ministers-of-foreign-affairs-of-mikta-countries?idiom=en>

³⁹⁶⁰ Minister holds 1st Energy Policy Consultation Committee Meeting, Ministry of Trade, Industry and Energy (Sejong-si) 16 September 2022. Access Date: 25 September 2022. http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1069&bbs_cd_n=2&view_type_v=TOPIC&¤tPage=1&search_key_n=&search_val_v=&cate_n=3

³⁹⁶¹ MOTIE attends ASEAN energy meetings, Ministry of Trade, Industry and Energy (Sejong-si) 19 September 2022. Access Date: 25 September 2022. http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1070&bbs_cd_n=2&view_type_v=TOPIC&¤tPage=1&search_key_n=&search_val_v=&cate_n=3

³⁹⁶² Korea to leap forward as a bio-health center by leading global cooperation, Ministry of Health and Welfare (Seoul) 25 October 2022. Access Date: 4 November 2022. https://www.mohw.go.kr/eng/hw/nw0101vw.jsp?PAR_MENU_ID=1007&MENU_ID=100701&page=1&CONT_SEQ=373354

³⁹⁶³ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 5 April 2022, Secretary of Agriculture and Rural Development Victor Villalobos met with US Secretary of Agriculture Tom Vilsack to discuss sustainable and climate-smart agricultural practices.³⁹⁶⁴ The two ministers announced that they would promote food security by supporting rural producers and their products, help smaller producers and new farmers and tackle climate change by giving farmers access to tools and technologies that would address emerging climate threats.

On 23 May 2022, Undersecretary of Prevention and Health Promotion Hugo López-Gatell attended the WHO's 75th World Health Assembly in Geneva, Switzerland under the theme "Health for Peace, Peace for Health."³⁹⁶⁵ Undersecretary López-Gatell indicated progress was made to transform the national health system according to social determinants.

On 15 June 2022, the National Commission of Natural Protected Areas launched the environmental brigades in Tlaxcala, which will focus on carrying out ecological restoration of forests affected by beetles and pests.³⁹⁶⁶ The restoration activities will take about five months and aim to manage protected natural areas of interest.

On 17 June 2022, the Ministry of Environment and Natural Resources published a national call for proposals and participation in the Recognition of Nature Conservation 2022 project.³⁹⁶⁷ People, institutions and organizations would need to demonstrate evidence of their efforts to preserve and protect the environment over the last three years. The goal of this project was to encourage civic participation in restoring the ecological balance.

On 20 June 2022, Undersecretary López-Gatell met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁹⁶⁸

On 28 June 2022, the Ministry of Environment and Natural Resources highlighted the importance of developing the Voluntary Carbon Market to effectively reduce carbon emissions as per international standards.³⁹⁶⁹ The goal of this project was to mitigate the effects of climate change especially on unprotected populations.

³⁹⁶⁴ US, Mexican Agriculture Secretaries Meet to Address Shared Priorities, United States Department of Agriculture (Mexico City) 5 April 2022. Access Date: 19 June 2022. <https://www.fas.usda.gov/newsroom/us-mexican-agriculture-secretaries-meet-address-shared-priorities>

³⁹⁶⁵ Health authorities of the Americas discuss their response to the COVID-19 pandemic at the 75th World Health Assembly, Pan American Health Organization (Geneva) 24 May 2022. Access Date: 19 June 2022. <https://www.paho.org/en/news/24-5-2022-health-authorities-americas-discuss-their-response-covid-19-pandemic-75th-world>

³⁹⁶⁶ The brigades for environmental protection started in Tlaxcala, Secretary of Environment and Natural Resources (Mexico City) 15 June 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.gob.mx/semarnat/prensa/arrancaron-en-tlaxcala-las-brigadas-para-la-proteccion-ambiental>

³⁹⁶⁷ You are encouraged to participate in the 2022 Nature Conservation Recognition, Secretary of Environment and Natural Resources (Mexico City) 17 June 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.gob.mx/semarnat/prensa/se-exhorta-a-participar-en-el-reconocimiento-a-la-conservacion-de-la-naturaleza-2022>

³⁹⁶⁸ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁹⁶⁹ Environmental sector promotes climate and environmental justice through the Voluntary Carbon Market, Secretary of Environment and Natural Resources (Mexico City) 28 June 2022. Translation Provided by Google Translate. Access Date: 24 September 2022. <https://www.gob.mx/semarnat/prensa/impulsa-sector-ambiental-la-justicia-climatica-y-ambiental-a-traves-del-mercado-voluntario-de-carbono?idiom=es>

On 14 July 2022, Secretary of the Environment and Natural Resources María Luisa Albores González met with US' Administrator of the Environmental Protection Agency Michael Regan and Canada's Minister of Environment and Climate Change Steven Guilbeault for the 29th Annual Council Session and the Public Forum of the Joint Public Advisory Committee of the Commission for Environmental Cooperation.³⁹⁷⁰ The goal of this program was to promote changes in consumption and attitudes toward climate change in marginalized communities.

On 8 September 2022, the Ministry of the Environment and Natural Resources initiated discussions on the implementation of the Kigali Amendment to the Montreal Protocol concerning the decrease in consumption and production of hydrofluorocarbons.³⁹⁷¹ Undersecretary for Environmental Regulation Alonso Jiménez Reyes outlined that the consumption of hydrofluorocarbons had decreased by 86.3 per cent.

On 8 September 2022, Mexico met the other MIKTA countries of Indonesia, Korea, Turkey and Australia to address the impact of COVID-19.³⁹⁷² The goal of this meeting was to create a 21-point statement as a pledge to better maneuver through the present and any future global health emergencies.

Mexico has partially complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Mexico has sought to improve environmental health by initiating sustainable agricultural production processes with the US, preserving ecologically vulnerable areas and promoting conservation efforts. It has also worked to support its national health system by collaborating with the WHO. However, actions taken have not been strong enough and need to further integrate One Health in its policies and decision-making processes.

Thus, Mexico receives a score of 0.

Analysts: Mehr Yawar, Saarah Khan and Chi Zhang

Russia: 0

Russia has partially complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Russia signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties (COP26) to stop and reverse deforestation.³⁹⁷³ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

³⁹⁷⁰ Ministers from Mexico, the US and Canada meet in Mérida to reinforce commitments to protect and improve the environment of North America, Secretary of Environment and Natural Resources (Mexico City) 14 July 2022. Translation Provided by Google Translate. Access Date: 24 September 2022. <https://www.gob.mx/semarnat/prensa/los-ministros-de-medio-ambiente-de-mexico-eu-y-canada-se-reunen-en-merida-yucatan-para-reforzar-compromisos-trilaterales-para-preservar-proteger-y-mejorar-el-medio-ambiente-de-america-del-norte?idiom=es>

³⁹⁷¹ Work begins for the Implementation of the Kigali Amendment to the Montreal Protocol, Secretary of Environment and Natural Resources (Mexico City) 8 September 2022. Translation Provided by Google Translate. Access Date: 24 September 2022. <https://www.gob.mx/semarnat/prensa/inician-los-trabajos-para-la-implementacion-de-la-enmienda-de-kigali-del-protocolo-de-montreal?idiom=es>

³⁹⁷² Statement of Deputy Ministers of Health and Deputy Ministers of Foreign Affairs of MIKTA Countries, Department of Health (Mexico City) 8 September 2022. Access Date: 24 September 2022. <https://www.gob.mx/sre/prensa/statement-of-deputy-ministers-of-health-and-deputy-ministers-of-foreign-affairs-of-mikta-countries?idiom=en>

³⁹⁷³ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

On 24 November 2021, Minister of Agriculture Dmitry Patrushev attended the second meeting of the Eurasian Economic Union (EAEU)'s Council on Agricultural Policy.³⁹⁷⁴ The meeting focused on the EAEU's sustainable development policies and prospects for the digital transformation of the agricultural sector. The parties also discussed the formation of a unified market for agricultural seeds and the initiative to create a Eurasian commodity distribution network.

On 4 December 2021, the Ministry of Foreign Affairs published the Final Joint communique from the 2021 P5 Conference which highlighted the importance of the Nuclear Non-Proliferation Treaty towards addressing climate change and achieving the Sustainable Development Goals.³⁹⁷⁵ The goal of this action was to promote peaceful uses of nuclear energy towards energy production.

On 13 December 2021, Russia collaborated with South Africa to form virological, epidemiological and clinical research groups and explore the Omicron variant of COVID-19.³⁹⁷⁶ The goal of these groups was to consult on issues like laboratory diagnosis, immunology, virological monitoring, clinical features and treatment of infection.

On 27 January 2022, members of the Duma discussed the implementation of technological development initiatives ("beacon projects") across multiple sectors, including healthcare innovation.³⁹⁷⁷ The panel of government officials discussed the development of a remote health monitoring system for patients with high blood pressure and diabetes using wearables. They identified six regions in the countries as hosts of pilot projects and the projects will commence in cooperation with a technology partner and insurance companies later this year.

On 11 February 2022, Prime Minister Mikhail Mishustin announced that the Duma had earmarked about RUB9 billion in its three-year federal budget to support the development of hydrogen energy.³⁹⁷⁸ This initiative aims to increase the level of environmental security and ensure people's access to clean and reliable energy resources.

On 14 February 2022, Prime Minister Mishustin announced a federal program on environment development and climate change action for the period till 2030.³⁹⁷⁹ The program aims to develop breakthrough technology to manage and minimize climate risks, to direct research and technical potential towards building a base of verified climate and environmental data and to develop knowledge-intensive technology and tools required for conceptually new environmental research. Deputy Prime Minister Viktoria Abramchenko announced the allocation of RUB5.9 billion for implementing the plan over the next three years where priority areas include developing a system to monitor and record data on greenhouse gas flows and the carbon cycle in terrestrial ecosystems of Russia, monitoring systems of key areas of coastal zones and seas and carrying out climate and economic modelling.

³⁹⁷⁴ The EAEU countries discussed the development of integration in the agricultural sector, Ministry of Agriculture (Moscow) 24 November 2021. Access Date: 12 February 2022. <https://mcx.gov.ru/en/news/The-EAEU-countries-discussed-the-development-of-integration-in-the-agricultural-sector/>

³⁹⁷⁵ P5 Conference Paris, 2-3 December, 2021 FINAL Joint communique, The Ministry of Foreign Affairs of the Russian Federation (Moscow) 4 December 2021. Access Date: 12 February 2022. https://mid.ru/en/foreign_policy/news/1788918/

³⁹⁷⁶ Joint Statement of the Russian-South African Scientific Mission to Study Features of the New Omicron Variant, Department of Health (Pretoria) 22 December 2021. Access Date: 8 May 2022. <https://sacoronavirus.co.za/2021/12/22/joint-statement-on-the-russian-south-african-scientific-mission-to-study-features-of-the-new-omicron-variant/>

³⁹⁷⁷ Meeting on implementing socio-economic development initiatives to 2030 and their results, The Russian Government (Moscow) 27 January 2022. Access Date: 12 February 2022. <http://government.ru/en/news/44422/>

³⁹⁷⁸ Meeting on implementation process and results of socioeconomic development initiatives up to 2030, The Russian Government (Moscow) 11 February 2022. Access Date: 15 May 2022. <http://government.ru/en/news/44545/>

³⁹⁷⁹ Meeting with deputy prime ministers, The Russian Government (Moscow) 14 February 2022. Access Date: 15 May 2022. <http://government.ru/en/news/44534/>

On 1 March 2022, Deputy Prime Minister Alexei Overchuk and Kazakhstan's Minister of Trade and Integration Bakhyt Sultanov signed an action plan as part of the Eurasian Intergovernmental Council to implement the "Comprehensive Programme for Economic Cooperations between the Government of Russian Federation and the Government of the Republic of Kazakhstan for 2021 to 2025."³⁹⁸⁰ The action plan aims to further develop the agro-industrial complex and the energy complex and work on environmental protection.

On 14 March 2022, Prime Minister Mishustin announced that the limit under mandatory medical insurance of medical equipment purchase for medical centres was increased from RUB100,000 to RUB1 million.³⁹⁸¹ This decision ensures that hospitals and clinics will be able to update their equipment.

On 21 March 2022, Deputy Prime Minister Abramchenko reported that the Duma adopted 10 regulations to support Russian agribusinesses.³⁹⁸² These measures include allocating an additional RUB2 billion to subsidise the transport of agricultural products to help price level fluctuations and stabilise supplies, providing agribusinesses with the option to extend earlier concessional short-term loans with a maturity date in 2022 for up to one year and to postpone repayment of the principal debt on previously taken concessional loans with a maturity date from 1 March 2022 to 31 May 2022 for up to six months. These measures aim to assist in the cash flow management of Russian agribusinesses.

On 7 April 2022, the Duma allocated a minimum of RUB5 billion to support 32 selection and seed production and three selection and breeding centres to continue support for the Food Security Doctrine.³⁹⁸³ This action aims to support farmers so that they have sufficient funds for ongoing field work.

On 7 April 2022, the Duma invested over RUB8 billion to supply equipment to medical rehabilitation departments.³⁹⁸⁴ This initiative aims to ensure access to medical check-ups and periodic screening examinations.

On 11 April 2022, the Duma contributed an extra RUB35 billion to continue to support hospitals and health care centres operating under the compulsory health insurance system.³⁹⁸⁵ A total of 74 regions will receive the funds.

On 20 April 2022, Russia and China held the 30th Meeting of the Mixed Committee on Fisheries Cooperation.³⁹⁸⁶ The goal of this cooperative meeting was to talk about collaborative fishing protocols and agreements, discuss mutual interests, review bilateral cooperation and identify necessary measures to crack down on the illegal trade of aquatic produce.

³⁹⁸⁰ Alexei Overchuk's working meeting with Kazakhstan's Deputy Prime Minister – Minister of Trade and Integration Bakhyt Sultanov, The Russian Government (Moscow) 1 March 2022. Access Date: 15 May 2022. <http://government.ru/en/news/44688/>

³⁹⁸¹ Meeting with deputy prime ministers on current issues, The Russian Government (Moscow) 14 March 2022. Access Date: 12 May 2022. <http://government.ru/en/news/44799/>

³⁹⁸² Meeting with deputy prime ministers on current issues, The Russian Government (Moscow) 21 March 2022. Access Date: 15 May 2022. <http://government.ru/en/news/44876/>

³⁹⁸³ Annual Government report on its performance to the State Duma, The Russian Government (Moscow) 7 April 2022. Access Date: 12 May 2022. <http://government.ru/en/news/45073/>

³⁹⁸⁴ Annual Government report on its performance to the State Duma, The Russian Government (Moscow) 7 April 2022. Access Date: 12 May 2022. <http://government.ru/en/news/45073/>

³⁹⁸⁵ Meeting with deputy prime ministers, The Russian Government (Moscow) 11 April 2022. Access Date: 12 May 2022. <http://government.ru/en/news/45104/>

³⁹⁸⁶ China, Russia Hold 30th Meeting of Mixed Committee on Fisheries Cooperation, Ministry of Agriculture and Rural Affairs (Beijing) 28 April 2022. Access Date: 17 June 2022. http://english.moa.gov.cn/news_522/202204/t20220428_300848.html

On 21 April 2022, the Duma allocated RUB10 billion to reimburse farmers for grain crop production and sales.³⁹⁸⁷ This initiative represents efforts to improve the investment climate of the Russian agriculture sector.

On 28 April 2022, the Duma expanded the County Doctor and County Paramedic programs.³⁹⁸⁸ Under the program, young doctors would receive a one-time benefit ranging from RUB1 million to RUB1.5 million when joining a rural healthcare institution or working in remote and hard-to-access territories and small cities and paramedics, obstetricians and nurses would receive between RUB500,000 to 750,000 for the same. The Duma earmarked RUB6 billion per year in its three-year budget for payments to specialists under this programme. The goal of this program is to improve human resources in the rural healthcare system and provide better quality and availability of healthcare services.

On 4 May 2022, the Duma announced that it distributed almost RUB9 billion to equip medical rehabilitation units in 157 clinics.³⁹⁸⁹ The rehabilitation services would be free of charge under a compulsory health insurance policy on doctor's orders.

On 4 May 2022, the Duma allocated RUB1 billion to co-finance the construction of a new hospital in the Perm Territory as the infrastructure of an infectious diseases hospital there no longer meets modern standards.³⁹⁹⁰

On 11 May 2022, Prime Minister Mishustin reported that the Duma would be increasing funding for its Lake Baikal project to RUB3.8 billion.³⁹⁹¹ The project focuses on the development of the infrastructure needed to preserve the unique systems of Lake Baikal primarily from polluted wastewater.

On 20 June 2022, Minister of Health Mikhail Murashko met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.³⁹⁹²

On 7 July 2022, Minister Murashko announced a new initiative worth RUB2 billion to provide free medications as prescribed by doctors.³⁹⁹³ The plan includes medical foods for children with serious diseases and disabilities.

On 11 July 2022, the Duma discussed amendments to the state environmental protection program and allocated more than RUB26 billion in funds for regions to build modern waste management infrastructure.³⁹⁹⁴

³⁹⁸⁷ Government meeting, The Russian Government (Moscow) 21 April 2022. Access Date: 15 May 2022. <http://government.ru/en/news/45232/>

³⁹⁸⁸ Government meeting, The Russian Government (Moscow). 28 April 2022. Access Date: 12 May 2022. <http://government.ru/en/news/45295/>

³⁹⁸⁹ Meeting with deputy prime ministers on current issues, The Russian Government (Moscow). 4 May 2022. Access Date: 12 May 2022. <http://government.ru/en/news/45331/>

³⁹⁹⁰ Meeting with deputy prime ministers on current issues, The Russian Government (Moscow). 4 May 2022. Access Date: 12 May 2022. <http://government.ru/en/news/45331/>

³⁹⁹¹ Government meeting, The Russian Government (Moscow). 11 May 2022. Access Date: 15 May 2022. <http://government.ru/en/news/45376/>

³⁹⁹² G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

³⁹⁹³ Government meeting, Government of Russia (Moscow) 7 July 2022. Access Date: 28 September 2022. <http://government.ru/en/news/45943/>

³⁹⁹⁴ Meeting with deputy prime ministers on current issues, Government of Russia (Moscow) 11 July 2022. Access Date: 28 September 2022. <http://government.ru/en/news/45991/>

On 27 July 2022, Russia along with Turkey, Ukraine and the UN signed the Black Sea Grain Initiative in Istanbul to unblock the millions of tonnes of grain that were stuck in Black Sea ports so they could avert a global food crisis.³⁹⁹⁵

On 28 July 2022, the Duma proposed a bill that would allow patients from Moscow, Belgorod and Moscow regions to purchase prescription medicines online.³⁹⁹⁶ This bill would increase the accessibility of medical treatment for low mobility patients and people with chronic diseases.

On 8 August 2022, the Duma proposed the draft resolution for a new approach to financing environmental protection initiatives.³⁹⁹⁷ This new approach calls for all natural resource users and those with environmental violations to contribute to the financing of the removal of accumulated environmental damage and restoration of the natural environment through fines, lawsuits and voluntary indemnification.

On 17 August 2022, Prime Minister Mishustin announced that agricultural enterprises would be able to take out loans to produce agriculture-related raw materials and purchase cold-chain logistics.³⁹⁹⁸ This support aims to help agribusinesses increase production and ensure food security.

On 24 August 2022, the Duma allocated RUB1.5 billion in subsidies towards the separation of domestic wastes.³⁹⁹⁹

On 2 September 2022, the Duma stated that it would continue its commitment to the Clean Country Project by eliminating unauthorized urban landfill sites and sources of accumulated damage and redistributed over RUB9.3 billion to this environmental project.⁴⁰⁰⁰ With over RUB2.7 billion to be extended before the end of the year, the entire fund would allow the elimination of 40 environmentally hazardous sites in 36 cities and completion of the reclamation of hundreds of hectares of land.⁴⁰⁰¹

On 23 September 2022, the Russian Economic Council approved a draft action plan for the Commonwealth of Independent States (CIS) countries to reduce resistance to antimicrobial medications and draft regulations on a central organisation for healthcare evaluation, quality-control technologies and medical treatment financing programmed in CIS member states.⁴⁰⁰² The action plan focuses on improving the cooperation between CIS states on healthcare.

Russia has partially complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Russia has taken strong steps towards implementing a One Health approach in its national policies like pursuing innovation in national healthcare, funding new medical equipment and subsidizing agricultural businesses. However, it has

³⁹⁹⁵ Black Sea Grain Initiative Joint Coordination Centre, United Nations (Istanbul) 27 July 2022. Access Date: 28 September 2022. <https://www.un.org/en/black-sea-grain-initiative>

³⁹⁹⁶ Government meeting, Government of Russia (Moscow) 28 July 2022. Access Date: 28 September 2022. <http://government.ru/en/news/46122/>

³⁹⁹⁷ Meeting with deputy prime ministers on current issues, Government of Russia (Moscow) 8 August 2022. Access Date: 28 September 2022. <http://government.ru/en/news/46197/>

³⁹⁹⁸ Government meeting, Government of Russia (Moscow) 28 July 2022. Access Date: 28 September 2022. <http://government.ru/en/news/46122/>

³⁹⁹⁹ Government meeting, Government of Russia (Moscow) 24 August 2022. Access Date: 28 September 2022. <http://government.ru/en/news/46332/>

⁴⁰⁰⁰ Government meeting, Government of Russia (Moscow) 17 August 2022. Access Date: 28 September 2022. <http://government.ru/en/news/46264/>

⁴⁰⁰¹ Government meeting, Government of Russia (Moscow) 2 September 2022. Access Date: 28 September 2022. <http://government.ru/en/news/46427/>

⁴⁰⁰² Alexei Overchuk attends 95th meeting of the Economic Council of the Commonwealth of Independent States, Government of Russia (Moscow) 23 September 2022. Access Date: 28 September 2022. <http://government.ru/en/news/46603/>

taken much weaker action in doing the same with its decision-making processes i.e., it signed onto a non-binding anti-deforestation declaration at COP26, attended an EAEU conference on agricultural policy and held a meeting with China on cooperation of their fisheries. None of these commitments were binding on Russian involvement.

Thus, Russia receives a score of 0.

Analyst: Sifan Wang

Saudi Arabia: 0

Saudi Arabia has partially complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 10 November 2021, Minister of Energy Prince Abdulaziz bin Salman Al-Saud defended the role of fossil fuels amidst discussions of climate solutions at the 26th United Nations Climate Change Conference of the Parties (COP26).⁴⁰⁰³

On 15 November 2021, Ambassador to the UK Prince Khalid bin Bandar announced that Saudi Arabia was willing to tackle climate change and global warming at COP26.⁴⁰⁰⁴ He stated that Saudi Arabia had already set 2060 as the target date to achieve net zero carbon emissions as part of the Saudi Green Initiative.

On 31 January 2022, Minister of Environment, Water and Agriculture Abdulrahman bin Abdulmohsen Al-Fadhli and Iraq's Minister of Agriculture Mohammed Karim Al-Khafaji signed a memorandum of understanding (MOU) in the agricultural field.⁴⁰⁰⁵ The goal of the MOU was to strengthen bilateral cooperation in agriculture, livestock and fisheries.

On 17 February 2022, Minister Al-Fadhli and Omani Minister of Agricultural Wealth, Fisheries and Water Resources Saud bin Hamoud Al-Habsi signed an MOU on integrating goals in food and water security in bilateral policies.⁴⁰⁰⁶

On 21 February 2022, Advisor at the Royal Court and Supervisor General of King Salman Humanitarian Aid and Relief Center Abdullah bin Abdulaziz Al Rabeeah and the delegation from the Food and Agriculture Organization (FAO) met in Riyadh to discuss cooperation in food security and early recovery.⁴⁰⁰⁷

On 2 June 2022, Minister Al-Fadhli gave a speech highlighting national and international efforts made to protect the environment in compliance with the UN's Sustainable Development Goals at the

⁴⁰⁰³ OPEC Makes Case for Fossil Fuels at UN Climate Conference, Reuters (Glasgow) 10 November 2021. Access Date: 27 February 2022. <https://www.reuters.com/business/cop/saudi-minister-says-climate-fight-shouldnt-shun-any-particular-energy-source-2021-11-10/>

⁴⁰⁰⁴ Saudi Ambassador to the UK: Kingdom 'Can Lead World' on Climate Change, Arab News (Glasgow) 18 November 2021. Access Date: 27 January 2022. <https://www.arabnews.com/node/1959511/business-economy>

⁴⁰⁰⁵ KSA, Iraq Sign MoU to Support Agricultural, Livestock and Fisheries Cooperation, Saudi Press Agency (Riyadh) 31 January 2022. Access Date: 27 January 2022. <https://www.spa.gov.sa/viewstory.php?lang=en&newsid=2325650>

⁴⁰⁰⁶ Saudi Arabia, Oman Sign MoU in Food and Water Security, Saudi Press Agency (Riyadh) 17 February 2022. Access Date: 27 January 2022. <https://www.spa.gov.sa/viewstory.php?lang=en&newsid=2330387>

⁴⁰⁰⁷ KSrelief Supervisor General Meets FAO Assistant Director General, Saudi Press Agency (Riyadh) 21 February 2022. Access Date: 27 February 2022. <https://www.spa.gov.sa/viewstory.php?lang=en&newsid=2331320>

Stockholm+50 Conference.⁴⁰⁰⁸ Minister Al-Fadhli reaffirmed the commitment to confront the challenges of climate change.

On 6 June 2022, Deputy Minister for Water Abdulaziz Al Shaibani participated in the Second International High-Level Conference on “Water for Sustainable Development 2018-2028” in Dushanbe, Tajikistan.⁴⁰⁰⁹ Deputy Minister Al Shaibani talked about having a platform to exchange best water management practices.

On 20 June 2022, Minister of Health Eng. Fahad Al-Jalajel met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.⁴⁰¹⁰

Saudi Arabia has partially complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. While Saudi Arabia has demonstrated actions which employ bilateral cooperation to combat food crises and multilateral cooperation of the FAO and G20 ministers to develop health systems, it has not implemented any policies that implement a One Health approach. Most of Saudi Arabia’s actions consist of attending international conferences and reiterating statements rather than taking decisive action towards the commitment.

Thus, Saudi Arabia receives a score of 0.

Analysts: Saarah Khan and Kyra Menezes

South Africa: +1

South Africa has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 9 November 2021, the Ministry of Forestry, Fisheries and the Environment introduced the National Veld and Forest Fire Amendment Bill.⁴⁰¹¹ Under this bill, “municipalities, state owned enterprises, public entities, or other organs of state which own land must join fire protection associations.” This bill also extends the powers of search, entry, seizure and arrest to peace officers and traditional leaders. The goal of this bill was to prevent and combat wildfires in the veld, mountains and forested areas.

⁴⁰⁰⁸ Saudi Arabia Highlights its Environmental Achievements at the Stockholm+50 Conference, Ministry of Environment Water and Agriculture (Riyadh) 3 June 2022. Access Date: 7 October 2022.

⁴⁰⁰⁹ Saudi Arabia participates in the Second International Water Action Decade Conference in Tajikistan, Ministry of Environment Water and Agriculture (Riyadh) 7 June 2022. Access Date: 7 October 2022.

⁴⁰¹⁰ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022.

⁴⁰¹¹ Notice of Introduction of National Veld and Forest Fire Amendment Bill in National Assembly and Publication of Explanatory Summary, Department of Forestry, Fisheries and the Environment (Pretoria) 9 November 2021. Access Date: 8 May 2022. https://www.dffe.gov.za/sites/default/files/legislations/rule276notice_national-veld-forests-fires_amendmentbill.pdf

On 13 December 2021, South Africa collaborated with Russia to form virological, epidemiological and clinical research groups and explore the Omicron variant of COVID-19.⁴⁰¹² The goal of these groups was to consult on issues like laboratory diagnosis, immunology, virological monitoring, clinical features and treatment of infection.

On 24 December 2021, the Department of Health announced that individuals older than 18 years of age who have received one dose of the Johnson & Johnson vaccine would be eligible to receive a booster dose after two months.⁴⁰¹³ The goal of this initiative was to prioritize and protect immunocompromised individuals in the ongoing pandemic situation.

On 28 December 2021, the Department of Health announced that individuals over the age of 18 years who have received two doses of the Pfizer vaccine will be eligible to get a booster dose of the Pfizer vaccine after six months.⁴⁰¹⁴

On 17 February 2022, Minister of Health Joe Phaahla and the Deputy Minister of Higher Education and Training Buti Manamela launched the “I Am Ready” campaign for young people.⁴⁰¹⁵ This campaign will take the format of open conversation between leaders, influencers and young people about the vaccine benefits and will address the issue of vaccine hesitancy. The goal of this initiative was to engage in continued collaborative efforts between government and non-governmental organizations to increase immunization.

On 21 February 2022, the Department of Health announced that as of 23 February 2022, the interval between the first and second doses of the Pfizer vaccine will be reduced to 21 days.⁴⁰¹⁶ Individuals will be also eligible to receive a booster dose 90 days after receiving the second dose of the vaccine.

On 21 February 2022, the Department of Health announced that individuals over the age of 18 who have received one dose of the Johnson & Johnson COVID-19 vaccine can receive a booster dose of the same vaccine or a booster dose of the Pfizer vaccine after 60 days.⁴⁰¹⁷

⁴⁰¹² Joint Statement of the Russian-South African Scientific Mission to Study Features of the New Omicron Variant, Department of Health (Pretoria) 22 December 2021. Access Date: 8 May 2022.

<https://sacoronavirus.co.za/2021/12/22/joint-statement-on-the-russian-south-african-scientific-mission-to-study-features-of-the-new-omicron-variant/>

⁴⁰¹³ Circular: Provision of Booster Doses and COVID Vaccines, Department of Health (Pretoria) 23 December 2021. Access Date: 8 May 2022. <https://sacoronavirus.co.za/2021/12/23/circular-provision-of-booster-doses-of-covid-vaccines/>

⁴⁰¹⁴ Circular: Provision of Booster Doses and COVID Vaccines, Department of Health (Pretoria) 23 December 2021. Access Date: 8 May 2022. <https://sacoronavirus.co.za/2021/12/23/circular-provision-of-booster-doses-of-covid-vaccines/>

⁴⁰¹⁵ Media Advisory: Government Launches Youth Vaccination Campaign, Department of Health (Pretoria) 17 February 2022. Access Date: 9 May 2022. <https://sacoronavirus.co.za/2022/02/17/media-advisory-government-launches-youth-vaccination-campaign/>

⁴⁰¹⁶ National Vaccination Programme Circular 2 of 2022 - Changes to Dosing Intervals and Introduction of Heterologous Booster Doses, Department of Health (Pretoria) 21 February 2022. Access Date: 9 May 2022. <https://sacoronavirus.co.za/2022/02/21/national-vaccination-programme-circular-2-of-2022-changes-to-dosing-intervals-and-introduction-of-heterologous-booster-doses/>

⁴⁰¹⁷ National Vaccination Programme Circular 2 of 2022 - Changes to Dosing Intervals and Introduction of Heterologous Booster Doses, Department of Health (Pretoria) 21 February 2022. Access Date: 9 May 2022. <https://sacoronavirus.co.za/2022/02/21/national-vaccination-programme-circular-2-of-2022-changes-to-dosing-intervals-and-introduction-of-heterologous-booster-doses/>

On 21 February 2022, the Department of Health announced that as of 23 February 2022, individuals over the age of 18 years who have received two doses of the Pfizer vaccine will be eligible to receive a booster dose of the same vaccine or a booster dose of the Johnson & Johnson COVID-19 vaccine.⁴⁰¹⁸

On 25 February 2022, the Department of Mineral Resources and Energy launched the National Development Plan which aims to achieve an energy sector by 2030 that would provide efficient and reliable energy service at acceptable rates, be socially equitable and ecologically sustainable.⁴⁰¹⁹ The purpose of this plan was to help mitigate the effects of climate change by introducing sustainable measures in the energy sector.

On 3 March 2022, Minister of Forestry, Fisheries and the Environment Barbara Creecy announced that they would end plastic pollution and move “towards an international legally binding instrument” as per the principles of the Rio Declaration on Environment and Development.⁴⁰²⁰ The purpose of this action was to protect the oceans since they are important for food security, address climate change, improve environmental health and encourage sustainable development.

On 11 March 2022, the Western Cape Department of Agriculture and California’s Department of Food and Agriculture officially signed a memorandum of understanding (MOU) to promote cooperation in agriculture.⁴⁰²¹ The purpose of this MOU was to establish a flexible framework to exchange information on climate-smart approaches to agriculture and enhance the availability of climate-smart agricultural technology.

On 14 March 2022, the Department of Health announced that individuals who have received one booster dose following primary vaccination with the Johnson & Johnson COVID-19 vaccine will be able to receive an additional booster dose 90 days after their first booster dose.⁴⁰²² The goal of this announcement was to encourage more individuals to get a second booster doses of the COVID-19 vaccine.

On 11 April 2022, the Department of Health issued an update to the vaccination schedule for immunocompromised adults.⁴⁰²³ Now, additional doses and booster shots may be given to immunocompromised adults over the age of 18 with the recommendation that additional doses be given between one and three months after the previous dose. The goal of this announcement was to encourage more immunocompromised adults to get booster doses of the COVID-19 vaccine.

⁴⁰¹⁸ National Vaccination Programme Circular 2 of 2022 - Changes to Dosing Intervals and Introduction of Heterologous Booster Doses, Department of Health (Pretoria) 21 February 2022. Access Date: 9 May 2022.

<https://sacoronavirus.co.za/2022/02/21/national-vaccination-programme-circular-2-of-2022-changes-to-dosing-intervals-and-introduction-of-heterologous-booster-doses/>

⁴⁰¹⁹ Remarks by Minister Gwede Mantashe at the National Energy Dialogue 25 February 2022, Department of Mineral Resources and Energy (Pretoria) 25 February 2022. Access Date: 9 May 2022. <https://www.dmr.gov.za/news-room/post/1951/remarks-by-minister-gwede-mantashe-at-the-national-energy-dialogue-25-february-2022>

⁴⁰²⁰ Forestry, Fisheries and Environment welcomes adoption of resolution to end plastic pollution, South African Government (Pretoria) 3 March 2022. Access Date: 9 May 2022. <https://www.gov.za/speeches/south-africa-welcomes-adoption-resolution-end-plastic-pollution-3-mar-2022-0000>

⁴⁰²¹ Western Cape Agriculture signs Memorandum of Understanding with State of California on cooperation in agriculture, South African Government (Pretoria) 12 March 2022. Access Date: 9 May 2022. <https://www.gov.za/speeches/western-cape-government-and-state-california-sign-historic-memorandum-understanding>

⁴⁰²² National Vaccination Programme Circular 4 of 2022, Department of Health (Pretoria) 11 March 2022. Access Date: 9 May 2022. <https://sacoronavirus.co.za/2022/03/11/national-vaccination-programme-circular-4-of-2022/>

⁴⁰²³ National Vaccination Programme Circular 5 of 2022 - Update to COVID-19 Vaccination Schedule for Immunocompromised Adults, Department of Health (Pretoria) 27 April 2022. Access Date: May 9 2022. <https://sacoronavirus.co.za/2022/04/27/national-vaccination-programme-circular-5-of-2022-update-to-covid-19-vaccination-schedule-for-immunocompromised-adults/>

On 22 April 2022, President Cyril Ramaphosa met members of the Global Steering Committee of the campaign for nature and welcomed the Global Biodiversity Framework by making it South Africa's goal to protect 30 per cent of the land and 30 per cent of the sea by 2030.⁴⁰²⁴ The goal of this meeting was to prevent biodiversity loss by 2030, mobilize financial resources to ensure protected areas are properly managed and approach biodiversity conservation in a way that integrates and respects indigenous leadership and rights.

On 3 June 2022, Minister Phaahla and US Chargé d'Affaires Heather Merritt announced their partnership towards the US' "Global VAX" effort to contribute to the global goal of vaccinating 70 per cent of every country's population against COVID-19 in 2022.⁴⁰²⁵ The goal of this announcement was to address the ongoing effects of the COVID-19 Pandemic.

On 3 June 2022, the Department of Health launched an application called FindMyJob.co.za that is accessible from any device as supported by the US Agency for International Development.⁴⁰²⁶ The goal of this application was to make it easy for South Africans to locate vaccination sites close to their places of work or residence.

On 20 June 2022, Minister Phaahla met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.⁴⁰²⁷

On 30 June 2022, Deputy Minister of Health Sibongiseni Dhlomo announced the launch of the 2022-2025 Youth HIV Prevention Strategy.⁴⁰²⁸ The goal of this strategy is to raise awareness about HIV, Tuberculosis, Sexually Transmitted Infections and Sexual and Reproductive Health.

On 16 July 2022, Minister Creecy attended the 13th Petersberg Climate Dialogue.⁴⁰²⁹ The goal of this dialogue was to inform the international community on South Africa's progress in advancing its climate objectives since the 26th UN Climate Change Conference.

On 21 July 2022, Minister Creecy announced initiatives for further improving the environmental assessment process for renewable energy projects in South Africa.⁴⁰³⁰ The goal of these measures was to improve the efficiency of the environmental assessment processes to facilitate the development of

⁴⁰²⁴ Presidency on meeting with members of Global Steering Committee of campaign for nature, Government of South Africa (Pretoria) 23 April 2022. Access Date: 9 May 2022. <https://www.gov.za/speeches/president-meets-members-global-steering-committee-campaign-nature-23-apr-2022-0000>

⁴⁰²⁵ U.S. Government, NDoH Celebrate COVID-19 Vaccine Partnership, Department of Health (Pretoria) 2 June 2022. Access Date: 9 June 2022. <https://www.health.gov.za/wp-content/uploads/2022/06/MEDIA-ADVISORY-U.S.-Governmen-NDoH-Celebrate-COVID-19-Vaccine-Partnership.pdf>

⁴⁰²⁶ U.S. Government, NDoH Celebrate COVID-19 Vaccine Partnership, Department of Health (Pretoria) 2 June 2022. Access Date: 9 June 2022. <https://www.health.gov.za/wp-content/uploads/2022/06/MEDIA-ADVISORY-U.S.-Governmen-NDoH-Celebrate-COVID-19-Vaccine-Partnership.pdf>

⁴⁰²⁷ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

⁴⁰²⁸ Remarks by the deputy minister of health, dr sibongiseni dhlomo on the occasion of the launch of the national youth hiv prevention strategy, at mdavula stadium, collins chabane local municipality, limpopo province, Ministry of Health (Pretoria) 30 June 2022. Access Date: 25 September 2022. <https://www.health.gov.za/wp-content/uploads/2022/06/Speaking-Notes-Launch-of-the-Youth-HIV-Prevention-Strategy-30-June-2022.pdf>

⁴⁰²⁹ Minister Creecy attends Petersberg climate dialogue in Berlin, Germany, Department of Forestry, Fisheries and the Environment (Pretoria) 16 July 2022. Access Date: 25 September 2022. https://www.dffe.gov.za/mediarelease/creecy_petersbergclimatechangedialogue_berlingermany

⁴⁰³⁰ Minister Creecy announces improved environmental assessment processes for solar energy, Department of Forestry, Fisheries and the Environment (Pretoria) 21 July 2022. Access Date: 25 September 2022. https://www.dffe.gov.za/creecy_environmentalassessmentprocesses_solarenergy

Solar Photovoltaic Technology and associated infrastructure in places that have low to medium levels of environmental sensitivity.

On 29 August 2022, Minister Creecy published the revised National Biodiversity Framework 2019-2024.⁴⁰³¹ The purpose of this framework is to establish protected areas and identify priority areas for conservation action. This framework also identifies interventions intended to “accelerate implementation of high-level priorities of the National Biodiversity Strategy and Action Plan” over the course of the next five years.⁴⁰³²

South Africa has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. South Africa has ensured that citizens have access to and are informed about COVID-19 vaccinations and booster doses. South Africa has also collaborated with Russia to understand the virology of the Omicron variant, with California’s Department of Food and Agriculture to initiate sustainable agricultural practices and with the Global Steering Committee of Campaign for Nature to protect environmental health.

Thus, South Africa receives a score of +1.

Analyst: Elizaveta Strelnikova

Turkey: 0

Turkey has partially complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, Turkey signed the Glasgow Leaders’ Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties to stop and reverse deforestation.⁴⁰³³ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 30 November 2021, Minister of Health Fahrettin Koca met with Commissioner for Health and Food Safety Stella Kyriakidou as part of the High Level Dialogue on Health.⁴⁰³⁴ The goal of the meeting was to discuss bilateral efforts towards combatting the consequences of climate change on health.

On 11 January 2022, the Ministry of National Education and Disaster and Emergency Management Authority virtually met with the Economic Cooperation Organization (ECO) Regional Planning Council.⁴⁰³⁵ The goal of this meeting was to discuss ECO’s 2022 expectations for Turkey regarding health.

⁴⁰³¹ Revised National Biodiversity Framework published for implementation, Department of Forestry, Fisheries and the Environment (Pretoria) 29 August 2022. Access Date: 25 September 2022.

https://www.dffe.gov.za/mediarelease/creecy_nationalbiodiversityframework2019.2024

⁴⁰³² Revised National Biodiversity Framework published for implementation, Department of Forestry, Fisheries and the Environment (Pretoria) 29 August 2022. Access Date: 25 September 2022.

https://www.dffe.gov.za/mediarelease/creecy_nationalbiodiversityframework2019.2024

⁴⁰³³ Glasgow Leaders’ Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

⁴⁰³⁴ High-Level Health Dialogue Meeting, Ministry of Health (Ankara) 30 November 2021. Access Date: 21 February 2022. <https://dosyasb.saglik.gov.tr/Eklenti/42142,105--disabgm-bulten-aralik-2021-enpdf.pdf?0>

⁴⁰³⁵ Organization for Economic Cooperation Regional Planning Council Coordination Meeting, Ministry of Health (Ankara) 11 January 2022. Access Date: 21 February 2022. <https://dosyasb.saglik.gov.tr/Eklenti/42581,107--disabgm-bulten-subat-2022-enpdf.pdf?0>

On 18 January 2022, Director-General of EU and Foreign Relations Selami Kılıç, Deputy Director-General for Public Health Mahmut Avcı and Turkish Medicines and Medical Devices Agency President Associate Tolga Karakan met with Danilo Lo Fo of the World Health Organization (WHO)'s Regional Office for Europe Antimicrobial Resistance (AMR) Control to organize the formation of an inter-ministerial committee.⁴⁰³⁶ The goal of the committee was to publish an action plan to combat AMR.

On 20 January 2022, Deputy Minister Associate of Health Tolga Tolunay met with a WHO technical team to establish the Turkey Pharmaceuticals and Medical Devices Agency as a WHO-recognized regulatory body.⁴⁰³⁷

On 21 January 2022, Deputy Minister Associate Tolunay chaired the first meeting of the Scientific Committee on Migration Health which saw attendance by delegations from the EU and WHO.⁴⁰³⁸ The goal was to discuss protocols for migrant health.

On 24 February 2022, Ambassador of the Ministry of Foreign Affairs Mutlu Şen and Head of the Permanent Mission of Turkey to the UN Office at Geneva Tufan Hübek Menekşe attended the first virtual meeting of the WHO's Intergovernmental Negotiating Body.⁴⁰³⁹ The goal of the meeting was to draft and negotiate an arrangement in improving pandemic prevention and response systems.

On 27 February 2022, Minister Koca met with Nigeria's Minister of Health Emmanuel Osagie Ehanire to sign a memorandum of understanding in the field of health and medical sciences.⁴⁰⁴⁰

On 28 February 2022, Director-General Kılıç met with Oleg Storozhenko from WHO Regional Office for Europe, WHO Country Office Representative Batyr Berdyklychev and WHO Acting Head of Istanbul Office Irshad Shaikh to discuss the foundation of an interregional training center for emergency medical teams.⁴⁰⁴¹ The goal of this meeting was to continue organizing a simulation exercise under the Global Outbreak Alert and Response Network (GOARN).

On 2 March 2022, Turkey and the European Commission held a meeting to evaluate Turkey's bid to join the EU Health Programme.⁴⁰⁴²

On 29 March 2022, Turkey and the European Commission held a meeting to exchange information regarding digital COVID-19 certificates.⁴⁰⁴³ The goal of this meeting was to coordinate different

⁴⁰³⁶ Meeting on the Evaluation of Activities on Antimicrobial Resistance, Ministry of Health (Ankara) 20 January 2022. Access Date: 21 February 2022. <https://dosyasb.saglik.gov.tr/Eklenti/42581,107--disabgm-bulten-subat-2022-enpdf.pdf?0>

⁴⁰³⁷ Meeting on the Coordination of the Benchmarking Process to Make TITCK An Approved Regulatory Authority Before WHO, Ministry of Health (Ankara) 15 February 2022. Translation provided by Google Translate. Access Date: 9 May 2022. <https://disab.saglik.gov.tr/EN-87406/meeting-on-the-coordination-of-the-benchmarking-process-to-make-titck-an-approved-regulatory-authority-before-who.html#>

⁴⁰³⁸ First Meeting of the Migrant Health Scientific Board, Ministry of Health (Ankara) 21 January 2022. Access Date: 21 February 2022. <https://dosyasb.saglik.gov.tr/Eklenti/42581,107--disabgm-bulten-subat-2022-enpdf.pdf?0>

⁴⁰³⁹ First Meeting of Intergovernmental Negotiating Body (INB) for Preparation and Negotiation of a WHO Contract, Ministry of Health (Ankara) 1 March 2022. Access Date: 9 May 2022. <https://dosyasb.saglik.gov.tr/Eklenti/42783,108--disabgm-bulten-mart-2022-enpdf.pdf?0>

⁴⁰⁴⁰ Visit of the Minister of Health of Nigeria and the Memorandum of Understanding with Nigeria in the field of Health, Ministry of Health (Ankara) 1 March 2022. Access Date: 19 June 2022. <https://dosyasb.saglik.gov.tr/Eklenti/42783,108--disabgm-bulten-mart-2022-enpdf.pdf?0>

⁴⁰⁴¹ Preparations on Performance of Simulation Exercise for WHO Rapid Response Mobile Laboratories (RRML), Ministry of Health (Ankara) 1 March 2022. Access Date: 9 May 2022. <https://dosyasb.saglik.gov.tr/Eklenti/42783,108--disabgm-bulten-mart-2022-enpdf.pdf?0>

⁴⁰⁴² EU4Health Preparation Meeting, Ministry of Health (Ankara) 1 April 2022. Access Date: 9 May 2022. <https://dosyasb.saglik.gov.tr/Eklenti/43113,109--disabgm-bulten-nisan-2022-enpdf.pdf?0>

⁴⁰⁴³ Meeting on Updating Digital Covid-19 Certificate, Ministry of Health (Ankara) 29 March 2022. Access Date: 9 May 2022. <https://dosyasb.saglik.gov.tr/Eklenti/43113,109--disabgm-bulten-nisan-2022-enpdf.pdf?0>

vaccination certificates to facilitate greater mobility between Turkey and the EU for both EU and non-EU citizens.

On 12 April 2022, the General Directorate of EU and Foreign Affairs, the Ministry of Health and the Council of Europe Development Bank examined sites for the construction of new refugee health centres in Osmaniye, Hatay, Adiyaman, Diyarbakır and Mardin.⁴⁰⁴⁴ The construction of refugee health centres is part of the Strengthening Healthcare Infrastructure for All (SHIFA) project.

On 15 April 2022, the General Directorate of Health Services Autism, Mental Special Needs and Rare Diseases Department and the General Directorate of EU and Foreign Affairs met to discuss the possibility of Turkey joining the European Partnership under Horizon Europe Rare Diseases.⁴⁰⁴⁵

On 20 June 2022, Minister Koca met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.⁴⁰⁴⁶

On 28 June 2022, officials from the General Directorate of Public Health and Ministry of Agriculture and Forestry met with WHO authorities during the One Health Meeting on Coordination and Genome Sequencing for Antimicrobial Resistance that was held in Kapadokya.⁴⁰⁴⁷

On 20 June 2022, the Ministry of Health organized a training session for Uzbek healthcare personnel at Ankara City Hospital as part of the Short-Term Capacity Building Training program.⁴⁰⁴⁸ The aim of this program is to improve cooperation between Turkey and Uzbekistan in the field of health.

On 7 July 2022, Deputy Minister Associate Tolunay met the World Bank Vice President Anna Bjerde to discuss the Localization Project in Health Industries and Vaccine Production Center.⁴⁰⁴⁹

On 18 July 2022, Turkey attended the second session of the Intergovernmental Negotiating Body to discuss a draft of a WHO instrument outlining procedure for the future prevention of pandemics.⁴⁰⁵⁰ The goal of this session was to decide whether this instrument should be legally binding by international law.

⁴⁰⁴⁴ SHIFA Project Site Visits, Ministry of Health (Ankara) 21 April 2022. Access Date: 30 May 2022.

<https://disab.saglik.gov.tr/Eklenti/43342/0/110--disabgm-bulten-mayis-2022-enpdf.pdf>

⁴⁰⁴⁵ Evaluation Meeting for European Partnership under Horizon Europe Rare Diseases, Ministry of Health (Ankara) 15 April 2022. Access Date: 30 May 2022. <https://disab.saglik.gov.tr/Eklenti/43342/0/110--disabgm-bulten-mayis-2022-enpdf.pdf>

⁴⁰⁴⁶ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022.

<https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

⁴⁰⁴⁷ One Health Meeting on Coordination and Genome Sequencing for Antimicrobial Resistance, Ministry of Health (Ankara) 1 July 2022. Access Date: 25 September 2022. <https://dosyasb.saglik.gov.tr/Eklenti/43705,112--disabgm-bulten-temmuz-2022-enpdf.pdf?0>

⁴⁰⁴⁸ Training Programme of Uzbekistani Health Personnel, Ministry of Health (Ankara) 1 July 2022. Access Date: 25 September 2022. <https://dosyasb.saglik.gov.tr/Eklenti/43705,112--disabgm-bulten-temmuz-2022-enpdf.pdf?0>

⁴⁰⁴⁹ Reception of Authorities of World Bank by Deputy Minister Assoc. Prof. Tolga Tolunay, Ministry of Health (Ankara) 1 August 2022. Access Date: 25 September 2022. <https://dosyasb.saglik.gov.tr/Eklenti/43860,113--disabgm-bulten-agustos-2022-enpdf.pdf?0>

⁴⁰⁵⁰ Second Session of Intergovernmental Negotiating Body (INB) to Draft and Negotiate a WHO Convention, Agreement or Other International Instrument on Pandemic Preparation, Preparedness and Response, Ministry of Health (Ankara) 1 August 2022. Access Date: 25 September 2022. <https://dosyasb.saglik.gov.tr/Eklenti/43860,113--disabgm-bulten-agustos-2022-enpdf.pdf?0>

On 27 July 2022, Turkey along with Russia, Ukraine and the UN signed the Black Sea Grain Initiative in Istanbul to unblock the millions of tonnes of grain that were stuck in Black Sea ports so they could avert a global food crisis.⁴⁰⁵¹

On 8 September 2022, Turkey met the other MIKTA countries of Mexico, Indonesia, Korea and Australia to address the impact of COVID-19.⁴⁰⁵² The goal of this meeting was to create a 21-point statement as a pledge to better maneuver through the present and any future global health emergencies.

Turkey has partially complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. Turkey has demonstrated a strong commitment to integrating the principles of One Health in its decision-making processes by collaborating with international actors like the WHO and ECO on projects like GOARN and SHIFA to tackle the threats of AMR, infectious diseases and food insecurity. However, it has fallen short of implementing those same principles on a national level as it has not taken enough action in introducing policies that integrate a One Health approach.

Thus, Turkey receives a score of 0.

Analyst: Jevan Konyar

United Kingdom: +1

The United Kingdom has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, the UK signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties (COP26) to stop and reverse deforestation.⁴⁰⁵³ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 26 November 2021, Secretary of State for Health Sajid Javid and China's Minister of the National Health Commission Ma Xiaowei attended a video conference to strengthen UK-China health collaboration.⁴⁰⁵⁴ During the conference, Secretary Javid and Minister Ma exchanged in-depth knowledge on issues such as COVID-19 prevention and control, diagnosis, treatment and testing, vaccine research and development and global health security.

On 2 December 2021, Secretary of State for Environment, Food and Rural Affairs George Eustice announced an increase in Countryside Stewardship payment rates beginning in January 2022.⁴⁰⁵⁵ The goal of this action is to incentivize more regenerative farming approaches.

⁴⁰⁵¹ Black Sea Grain Initiative Joint Coordination Centre, United Nations (Istanbul) 27 July 2022. Access Date: 28 September 2022. <https://www.un.org/en/black-sea-grain-initiative>

⁴⁰⁵² Statement of Deputy Ministers of Health and Deputy Ministers of Foreign Affairs of MIKTA Countries, Department of Health (Mexico City) 8 September 2022. Access Date: 24 September 2022. <https://www.gob.mx/sre/prensa/statement-of-deputy-ministers-of-health-and-deputy-ministers-of-foreign-affairs-of-mikta-countries?idiom=en>

⁴⁰⁵³ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

⁴⁰⁵⁴ China, UK to deepen health cooperation, National Health Commission (Beijing) 1 December 2021. Access Date: 17 June 2022. http://en.nhc.gov.cn/2021-12/01/c_85263.htm

⁴⁰⁵⁵ Environment Secretary speech at CLA Conference 2 December 2021, Department for Environment, Food and Rural Affairs (London) 2 December 2021. Access Date: 20 February 2022.

<https://www.gov.uk/government/speeches/environment-secretary-speech-at-cla-conference-2-december-2021>

On 16 December 2021, the Department for International Trade published a chapter of the UK-Australia Free Trade Agreement (FTA) with Australia that specifically announced cooperation in the environment and antimicrobial resistance (AMR).⁴⁰⁵⁶ The goal of the FTA is to enhance bilateral work in biosecurity and animal welfare.

On 6 January 2022, the Department for Environment, Food and Rural Affairs announced the roll out of the Local Nature Recovery scheme in 2024.⁴⁰⁵⁷ The goal of this scheme is to simplify and unify previous subsidy schemes aimed at incentivizing sustainable farming to preserve ecosystem health.

On 9 January 2022, the Department of Health and Social Care published the UK Rare Diseases Framework which outlines four independent action plans of each UK nation.⁴⁰⁵⁸ The goal of the framework is to hasten diagnoses, increase awareness of rare diseases among healthcare professionals, improve coordination between healthcare providers and allow easier access to specialized care.

On 3 February 2022, the UK published a provisional common framework that will facilitate a joint approach to animal health and welfare across its four governments.⁴⁰⁵⁹ The goal of this framework is to ensure baseline standards for biosecurity and replace EU policies previously in place.

On 9 February 2022, the Department of Health and Social Care released white papers that detailed plans to integrate public care more thoroughly by centralizing resources and identifying figures accountable for certain responsibilities.⁴⁰⁶⁰ The goals of this action are to improve transparency and stabilize life expectancy.

On 17 February 2022, the UK published a provisional common framework that will facilitate a joint approach to fishery management and control across its four governments.⁴⁰⁶¹ The goal of this framework is to ensure a unified approach to managing stock recovery and aquaculture.

On 22 February 2022, specialists from the state-affiliated National Institute for Health and Care Excellence in London met with Argentina's Minister of Health Carla Vizzotti, Chief of Staff Sonia Tarragona and Coordinator of the Appropriate Use of Antimicrobials Laura Barcelona to discuss accessibility to higher-priced medicines and shared risk mechanisms for both governments.⁴⁰⁶² The

⁴⁰⁵⁶ UK-Australia FTA Chapter 27: Cooperation, Department for International Trade (London) 16 December 2021.

Access Date: 20 February 2022. <https://www.gov.uk/government/publications/uk-australia-fta-chapter-27-cooperation>

⁴⁰⁵⁷ Local Nature Recovery: more information on how the scheme will work, Department for Environment, Food and Rural Affairs (London) 6 January 2022. Access Date: 20 February 2022.

<https://www.gov.uk/government/publications/local-nature-recovery-more-information-on-how-the-scheme-will-work/local-nature-recovery-more-information-on-how-the-scheme-will-work>

⁴⁰⁵⁸ England Rare Diseases Action Plan 2022, Department of Health & Social Care (London) 28 February 2022. Access Date: 10 May 2022. <https://www.gov.uk/government/publications/england-rare-diseases-action-plan-2022>

⁴⁰⁵⁹ Animal Health and Welfare: Provisional Common Framework, Department for Environment, Food and Rural Affairs (London) 3 February 2022. Access Date: 20 February 2022. <https://www.gov.uk/government/publications/animal-health-and-welfare-provisional-common-framework>

⁴⁰⁶⁰ Health and Social Care Integration: Joining up Care for People, Places and Populations, Department of Health and Social Care (London) 9 February 2022. Access Date: 20 February 2022. <https://www.gov.uk/government/publications/health-and-social-care-integration-joining-up-care-for-people-places-and-populations>

⁴⁰⁶¹ Fisheries Management and Support: Provisional Common Framework, Department for Environment, Food and Rural Affairs (London) 17 February 2022. Access Date: 20 February 2022.

<https://www.gov.uk/government/publications/fisheries-management-and-support-provisional-common-framework>

⁴⁰⁶² Collaboration between the Ministry of Health and the National Institute for Health and Care Excellence advances, Ministry of Health (Buenos Aires) 22 February 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.argentina.gob.ar/noticias/avanza-la-colaboracion-entre-el-ministerio-de-salud-y-el-national-institute-health-and-care>

goal of this collaboration was to strengthen decision-making processes in healthcare systems for both countries.

On 9 May 2022, the UK signed a memorandum of understanding (MOU) with Sri Lanka concerning recruitment in healthcare.⁴⁰⁶³ The goal of this MOU was to establish a clear pathway by which Sri Lankan healthcare professionals can find employment in the UK.

On 12 May 2022, Parliamentary Under-Secretary of State for Nature Recovery and the Domestic Environment Rebecca Pow published a statement clarifying certain policy aims related to environmental damage and pollution.⁴⁰⁶⁴ The goal of this statement was to integrate the implementation of the Environment Act which aims to improve air quality, biodiversity and water and resource efficiency.

On 13 May 2022, Minister of State for Farming, Fisheries and Food Victoria Prentis met with other G7 Agriculture Ministers in Stuttgart to discuss the consequences of Russia's invasion of Ukraine on global food security and nutrition.⁴⁰⁶⁵ The G7 ministers committed to avoid any restrictions on food exports and continue work on creating a more sustainable and resilient agricultural system.

On 16 May 2022, the UK released a report outlining amendments to its five year plan to combat AMR.⁴⁰⁶⁶ The goal of the report is to invest in innovations to reduce overreliance on antimicrobials.

On 19 May 2022, Secretary Javid met with other G7 Health Ministers in Berlin to discuss the integration of One Health within existing systems.⁴⁰⁶⁷ The G7 ministers committed to a more inclusive and equity-driven pandemic prevention response system as supported by the World Health Organization (WHO).

On 19 May 2022, Ambassador to the Organization for Security and Co-operation in Europe Neil Bush highlighted the impact of Russia's invasion of Ukraine on global food security and called on Russia to stop obstructing food exports from Ukraine.⁴⁰⁶⁸

On 27 May 2022, the UK organized a resolution with Argentina at the World Health Assembly (WHA) to improve international cooperation in the field of clinical trials.⁴⁰⁶⁹ The goal of this resolution is to

⁴⁰⁶³ Memorandum of Understanding Between the UK and Sri Lanka on Healthcare Cooperation, Department of Health and Social Care (London) 9 May 2022. Access Date: 10 May 2022. <https://www.gov.uk/government/publications/memorandum-of-understanding-between-the-uk-and-sri-lanka-on-healthcare-cooperation>

⁴⁰⁶⁴ Environmental Principles Policy Statement Published, Department of Environment, Food and Rural Affairs (London) 12 May 2022. Access Date: 31 May 2022. <https://www.gov.uk/government/news/environmental-principles-policy-statement-published>

⁴⁰⁶⁵ Pathways Towards Sustainable Food Systems in Times of Crises, Group of Seven Germany (Berlin) 14 May 2022. Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_International-Affairs/g7-2022-kommunique-en.pdf?__blob=publicationFile&v=5

⁴⁰⁶⁶ Tackling Antimicrobial Resistance 2019 to 2024: Addendum to the UK's 5-Year National Action Plan, Department of Health & Social Care (London) 16 May 2022. Access Date: 25 September 2022. <https://www.gov.uk/government/publications/addendum-to-the-uk-5-year-action-plan-for-antimicrobial-resistance-2019-to-2024/tackling-antimicrobial-resistance-2019-to-2024-addendum-to-the-uks-5-year-national-action-plan>

⁴⁰⁶⁷ G7 Health Ministers' Communique, Group of Seven Germany (Berlin) 20 May 2022. Access Date: 19 June 2022. <https://www.g7germany.de/resource/blob/974430/2042058/5651daa321517b089cdccaffd1e37a1/2022-05-20-g7-health-ministers-communique-data.pdf?download=1>

⁴⁰⁶⁸ Russia's attack on Ukraine threatens global food security: UK statement to the OSCE, Foreign, Commonwealth and Development Office (London) 19 May 2022. Access Date: 19 June 2022. <https://www.gov.uk/government/speeches/russias-attack-on-ukraine-threatens-global-food-security-uk-statement-to-the-osce>

⁴⁰⁶⁹ New clinical trials deal struck to better protect world from future pandemics, Department of Health and Social Care (London) 27 May 2022. Access Date: 31 May 2022 <https://www.gov.uk/government/news/new-clinical-trials-deal-struck-to-better-protect-world-from-future-pandemics>

enhance the capacity of the internal community to respond to emerging infectious disease threats and prevent or tackle future pandemics.

On 27 May 2022, the UK signed an MOU with Sweden outlining areas of cooperation between scientists researching life sciences.⁴⁰⁷⁰ The goal of the MOU was to foster bilateral cooperation in science to tackle mutual issues in biological sciences.

On 20 June 2022, Secretary Javid met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.⁴⁰⁷¹

On 22 August 2022, the UK signed an MOU with Nepal outlining the conditions under which Nepali healthcare workers will be recruited in the UK.⁴⁰⁷² The goal of the MOU was to encourage Nepali healthcare workers to take up employment in the UK and diversify the healthcare system.

On 14 October 2022, Department of Health and Social Care announced an investment of over GBP800 million through the National Institute for Health and Care Research.⁴⁰⁷³ This funding will support research facilities to foster an environment where scientists can explore experimental medicine and where research about patient safety can thrive. Specifically, GBP790 million aims at encouraging breakthroughs in new treatments, while GBP25 million goes to patient safety research, including the reduction of medication error.

The United Kingdom has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. The UK has taken strong steps towards setting standards in public health at the WHA and towards funding ecosystem-focused approaches to environmental health at COP26. Additionally, the UK has voiced interest cooperating to tackle AMR alongside the WHO and G7 and G20 ministers.

Thus, the United Kingdom receives a score of +1.

Analyst: Jevan Konyar

United States: +1

The United States has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, the US signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties to stop and reverse

⁴⁰⁷⁰ Memorandum of Understanding Between the UK and Sweden Regarding Life Sciences, Department of Health & Social Care (London) 27 May 2022. Access Date: 25 September 2022.

<https://www.gov.uk/government/publications/memorandum-of-understanding-between-the-uk-and-sweden-regarding-life-sciences/memorandum-of-understanding-between-the-united-kingdom-of-great-britain-and-northern-ireland-and-the-kingdom-of-sweden-regarding-life-sciences-text-o>

⁴⁰⁷¹ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022.

<https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

⁴⁰⁷² Memorandum of Understanding Between the UK and Nepal on the Recruitment of Healthcare Workers, Department of Health & Social Care (London) 22 August 2022. Access Date: 25 September 2022.

<https://www.gov.uk/government/publications/memorandum-of-understanding-between-the-uk-and-nepal-on-the-recruitment-of-healthcare-workers>

⁴⁰⁷³ Over £800 million to boost innovation, growth and improve patient safety, Department of Health and Social Care (London) 14 October 2022. Access Date: 4 November 2022. <https://www.gov.uk/government/news/over-800m-to-boost-innovation-growth-and-improve-patient-safety>

deforestation.⁴⁰⁷⁴ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 2 November 2021, the Centers for Disease Control and Prevention (CDC) issued a media statement on the importance of One Health for COVID-19 and future pandemics in commemoration of the sixth annual One Health Day.⁴⁰⁷⁵

On 10 November 2021, Secretary of Energy Jennifer Granholm and Korea's Minister of Trade, Industry and Energy Moon Sung-wook met and agreed to launch the energy policy dialogue which is a ministerial talk aimed at strengthening partnership in the energy sector.⁴⁰⁷⁶ The goal of this initiative was to decarbonize the economy and achieve a sustainable clean energy future.

On 18 November 2021, Senator Jon Tester introduced legislation to suspend beef imports from Brazil following reports of detected Bovine Spongiform Encephalopathy or Mad Cow Disease.⁴⁰⁷⁷ This action aims to ensure food safety until experts can review and test the commodity.

On 18 November 2021, the Food and Drug Administration (FDA) approved a new drug application for vancomycin hydrochloride to treat infections caused by strains of methicillin-resistant staphylococci.⁴⁰⁷⁸ The goal of the change in drug application is so that it can be used for infections caused by vancomycin-susceptible organisms that are resistant to other antimicrobial drugs.

On 30 November 2021, the Animal and Plant Health Inspection Service (APHIS) of the Department of Agriculture announced it had begun a collaborative effort with several animal health and industry organizations to study antimicrobial use and resistance on commercial swine farms located in the Midwest, specifically focusing on the use and resistance related to animal health and production-related indicators.⁴⁰⁷⁹ The goal of this collaboration is to produce useful research on this “important One Health topic” and to serve as a model for future studies to monitor antimicrobial resistance (AMR) and use.

On 7 December 2021, the CDC announced it had awarded USD22 million to 28 organizations worldwide to combat AMR and other healthcare threats by establishing two new networks: the Global Action in Healthcare Network (GAIHN) and the Global Antimicrobial Resistance Laboratory and Response Network (Global AR Lab & Response Network).⁴⁰⁸⁰ The goal of this investment is to build

⁴⁰⁷⁴ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

⁴⁰⁷⁵ Importance of One Health for COVID-19 and Future Pandemics, Centers for Disease Control and Prevention (Atlanta) 3 November 2021. Access Date: 22 February 2022. <https://www.cdc.gov/media/releases/2021/s1103-one-health.html>

⁴⁰⁷⁶ Korea, U.S. agree to launch cooperation platform for carbon neutrality targets, Ministry of Trade, Industry and Energy (Sejong-si) 11 November 2021. Access Date: 9 May 2022. http://english.motie.go.kr/en/tp/energy/bbs/bbsView.do?bbs_seq_n=1143&bbs_cd_n=1&view_type_v=TOPIC¤tPage=31&search_key_n=&search_val_v=&cate_n=3

⁴⁰⁷⁷ Tester introduces bill to suspend Brazilian beef imports amid safety concerns, US Senator for Montana (Helena) 18 November 2021. Access Date: 19 June 2022. https://www.testersenate.gov/?p=press_release&id=8736

⁴⁰⁷⁸ Antimicrobial Resistance Information from FDA, U.S. Food and Drug Administration (Silver Spring) 15 February 2022. Access Date: 22 February 2022. <https://www.fda.gov/emergency-preparedness-and-response/mcm-issues/antimicrobial-resistance-information-fda>

⁴⁰⁷⁹ USDA to Collaborate with Several Partners to Study Antimicrobial Use and Resistance in Animal Health Context, Department of Agriculture (Riverdale) 30 November 2021. Access Date: 22 February 2022. https://www.aphis.usda.gov/aphis/newsroom/stakeholder-info/sa_by_date/sa-2021/sa-11/study-antimicrobial-use-resistance

⁴⁰⁸⁰ CDC Launches Two Global Networks, Awards \$22 Million to Combat Antimicrobial Resistance and Infectious Diseases, Centers for Disease Control and Prevention (Atlanta) 7 December 2021. Access Date: 22 February 2022. <https://www.cdc.gov/media/releases/2021/p1207-global-action-healthcare-network.html>

programs that focus on the prevention of infections in healthcare through proven infection control, build laboratory capacity to detect antimicrobial-resistant organisms in healthcare, the community and environment and develop new ways to more rapidly detect and respond to threats like AMR and COVID-19.

On 8 December 2021, the APHIS announced it would be awarding more than USD16.3 million to 64 projects focused on the protection of animal health.⁴⁰⁸¹ The funding seeks to support projects concerned with enhancing vaccine distribution plans and animal movement decisions in “high-consequence animal disease outbreaks,” develop point-of-care diagnostic tests for the rapid detection of high-impact animal diseases and improve emergency response capabilities at veterinary diagnostic laboratories part of the National Animal Health Laboratory Network (NAHLN).⁴⁰⁸² This investment aims to protect export markets in rural America and to eliminate foreign animal diseases.

On 23 December 2021, the US announced an investment of USD10 million in the Food and Agriculture Organization (FAO)’s work on responding to threats against human, animal and environmental health.⁴⁰⁸³ The goal of this investment was to strengthen national and international One Health systems through early warning systems, risk assessment and management of emerging animal and plant pests and diseases.

On 27 December 2021, the APHIS announced that it had prepared a pest risk assessment and risk management document on the imports of fresh pomelo fruit from Vietnam into the US, proposing specific phytosanitary measures for fresh pomelo consignments.⁴⁰⁸⁴ The goal of this action was to minimize the risk of plant pests and noxious weeds.

On 6 January 2022, the CDC reported an increase in cases of human rabies linked to bats and urged people to take measures to prevent or lessen their risk of infection with rabies.⁴⁰⁸⁵ The goal is to raise awareness of the risks of rabies from bats.

On 7 February 2022, Secretary of Agriculture Tom Vilsack launched the Department of Agriculture’s Partnership for Climate-Smart Commodities which aims to combat the climate crisis by partnering with agriculture, forestry and rural communities to provide climate solutions.⁴⁰⁸⁶

On 14 February 2022, the APHIS announced that it was seeking zoos, aquariums and wildlife facilities to participate in a SARS-CoV-2 Serology Study to identify animal species potentially susceptible to the

⁴⁰⁸¹ APHIS Announces \$16.3 Million in Farm Bill Funding to Protect Animal Health, Department of Agriculture (Riverdale) 8 December 2021. Access Date: 22 February 2022.

https://www.aphis.usda.gov/aphis/newsroom/news/sa_by_date/sa-2021/farm-bill-funding-animal-health

⁴⁰⁸² APHIS Announces \$16.3 Million in Farm Bill Funding to Protect Animal Health, Department of Agriculture (Riverdale) 8 December 2021. Access Date: 22 February 2022.

https://www.aphis.usda.gov/aphis/newsroom/news/sa_by_date/sa-2021/farm-bill-funding-animal-health

⁴⁰⁸³ US contributes \$10 million to support FAO efforts on COVID-19 response, United Nations (New York City) 23 December 2022. Access Date: 19 June 2022. <https://news.un.org/en/story/2021/12/1108712>

⁴⁰⁸⁴ APHIS Publishes Pest Risk Analysis for the Importation of Fresh Pummelo Fruit from Vietnam into the United States, Department of Agriculture (Riverdale) 27 December 2021. Access Date: 22 February 2022.

https://www.aphis.usda.gov/aphis/newsroom/federal-register-posts/sa_by_date/sa_2021/fresh-pummelo-fruit-vietnam

⁴⁰⁸⁵ CDC Reports Increase in Human Rabies Cases Linked to Bats in the U.S., Centers for Disease Control and Prevention (Atlanta) 6 January 2022. Access Date: 22 February 2022. <https://www.cdc.gov/media/releases/2022/p0106-human-rabies.html>

⁴⁰⁸⁶ Release: USDA launches partnership for climate-smart commodities, National Sustainable Agriculture Coalition (Washington D.C.) 7 February 2022. Access Date: 19 June 2022. <https://sustainableagriculture.net/blog/release-usda-launches-partnership-for-climate-smart-commodities/>

virus.⁴⁰⁸⁷ The goal of the study is articulated in four goals: to further identify species at risk of SARS-CoV-2, determine which species to prioritize for vaccination, investigate antibody responses to vaccination and to develop SARS-CoV-2 mitigation strategies and biosecurity practices.

On 11 March 2022, Chief Veterinary Officer Rosemary Sifford and Canada's Chief Veterinary Officer Mary Jane Ireland launched a new protocol to guide the cross-border transit of animals in emergency situations called the Emergency Transit Policy for Regulated Animals.⁴⁰⁸⁸ The goal of this policy was to make it easier to evacuate animals during natural disasters.

On 11 March 2022, California's Department of Food and Agriculture and Australia's Western Cape Department of Agriculture officially signed a memorandum of understanding (MOU) to promote cooperation in agriculture.⁴⁰⁸⁹ The purpose of this MOU was to establish a flexible framework to exchange information on climate-smart approaches to agriculture and enhance the availability of climate-smart agricultural technology.

On 5 April 2022, Secretary Vilsack met with Mexico's Secretary of Agriculture and Rural Development Victor Villalobos to discuss sustainable and climate-smart agricultural practices.⁴⁰⁹⁰ The two ministers announced that they would promote food security by supporting rural producers and their products, help smaller producers and new farmers and tackle climate change by giving farmers access to tools and technologies that would address emerging climate threats.

On 26 April 2022, the APHIS invited the public to comment on a draft Environmental Assessment (EA) called "Emergency Response for Highly Pathogenic Avian Influenza Outbreaks in Seven States" on the first seven states affected by the highly pathogenic Avian Influenza.⁴⁰⁹¹ The goal of this initiative is to supplement the findings of the EA which evaluates the potential environmental impacts from the proposed action in which the APHIS would collaborate with state and local authorities and affected owners in highly pathogenic avian influenza response activities within the seven states.

On 13 May 2022, Secretary Vilsack met with other G7 Agriculture Ministers in Stuttgart to discuss the consequences of Russia's invasion of Ukraine on global food security and nutrition.⁴⁰⁹² The G7 ministers committed to avoid any restrictions on food exports and continue work on creating a more sustainable and resilient agricultural system.

⁴⁰⁸⁷ Zoo and Aquarium SARS-CoV-2 Serology Study, Department of Agriculture (Riverdale) 14 February 2022. Access Date: 16 May 2022. <https://www.aphis.usda.gov/aphis/newsroom/stakeholder-info/stakeholder-messages/animal-care-news/sars-cov-2-serology-study>

⁴⁰⁸⁸ Canada-US agree on cross-border animal transport protocol, The Poultry Site (London) 11 March 2022. Access Date: 19 June 2022. <https://www.thepoultrysite.com/news/2022/03/canada-us-agree-on-cross-border-animal-transport-protocol>

⁴⁰⁸⁹ Western Cape Agriculture signs Memorandum of Understanding with State of California on cooperation in agriculture, South African Government (Pretoria) 12 March 2022. Access Date: 9 May 2022. <https://www.gov.za/speeches/western-cape-government-and-state-california-sign-historic-memorandum-understanding>

⁴⁰⁹⁰ US, Mexican Agriculture Secretaries Meet to Address Shared Priorities, United States Department of Agriculture (Mexico City) 5 April 2022. Access Date: 19 June 2022. <https://www.fas.usda.gov/newsroom/us-mexican-agriculture-secretaries-meet-address-shared-priorities>

⁴⁰⁹¹ APHIS Invites Public Comment on Draft Environmental Assessment for First Seven States Affected by Highly Pathogenic Avian Influenza, Department of Agriculture (Riverdale) 26 April 2022. Access Date: 16 May 2022. <https://www.aphis.usda.gov/aphis/newsroom/stakeholder-info/stakeholder-messages/animal-health-news/hpai-ea>

⁴⁰⁹² Pathways Towards Sustainable Food Systems in Times of Crises, Group of Seven Germany (Berlin) 14 May 2022. Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_International-Affairs/g7-2022-kommuniquen-en.pdf?__blob=publicationFile&v=5

On 19 May 2022, the US attended a meeting of G7 Health Ministers in Berlin to discuss the integration of One Health within existing systems.⁴⁰⁹³ The G7 ministers committed to a more inclusive and equity-driven pandemic prevention response system as supported by the World Health Organization (WHO).

On 23 May 2022, Undersecretary for Global Affairs at the Department of Health and Human Services Loyce Pace attended the WHO's 75th World Health Assembly in Geneva, Switzerland under the theme "Health for Peace, Peace for Health."⁴⁰⁹⁴ Undersecretary Pace talked about efforts to expand and train the health workforce, who are mostly women, and strengthen international health regulations amongst global partners.

On 3 June 2022, Chargé d'Affaires Heather Merritt and South Africa's Minister of Health Joe Phaahla announced their partnership towards the "Global VAX" effort to contribute to the global goal of vaccinating 70 per cent of every country's population against COVID-19 in 2022.⁴⁰⁹⁵

On 20 June 2022, Secretary Becerra met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.⁴⁰⁹⁶

On 28 June 2022, Ambassador to China Nicholas Burns met with China's Minister of the National Health Commission Ma Xiaowei to exchange views on bilateral health communication and cooperation.⁴⁰⁹⁷ The goal of the meeting was to exchange COVID-19 prevention and control policies and scientific measures while enhancing Sino-US diplomatic relations.

On 14 July 2022, Administrator of the Environmental Protection Agency Michael Regan met with Canada's Minister of Environment and Climate Change Steven Guilbeault and Mexico's Secretary of the Environment and Natural Resources María Luisa Albores González for the the 29th Annual Council Session and the Public Forum of the Joint Public Advisory Committee of the Commission for Environmental Cooperation.⁴⁰⁹⁸ The goal of this program was to promote changes in consumption and attitudes toward climate change in marginalized communities.

On 28 July 2022, the CDC published a new special report on the impact of COVID-19 on AMR.⁴⁰⁹⁹ The report shows that much of the progress made in the US combating AMR was lost in 2020 largely because of the COVID-19 pandemic and concludes the threat of AMR infections is not only still

⁴⁰⁹³ G7 Health Ministers' Communique, Group of Seven Germany (Berlin) 20 May 2022. Access Date: 19 June 2022. <https://www.g7germany.de/resource/blob/974430/2042058/5651daa321517b089cdccaffd1e37a1/2022-05-20-g7-health-ministers-communique-data.pdf?download=1>

⁴⁰⁹⁴ Health authorities of the Americas discuss their response to the COVID-19 pandemic at the 75th World Health Assembly, Pan American Health Organization (Geneva) 24 May 2022. Access Date: 19 June 2022. <https://www.paho.org/en/news/24-5-2022-health-authorities-americas-discuss-their-response-covid-19-pandemic-75th-world>

⁴⁰⁹⁵ U.S. Government, NDoH Celebrate COVID-19 Vaccine Partnership, Department of Health (Pretoria) 2 June 2022. Access Date: 9 June 2022. <https://www.health.gov.za/wp-content/uploads/2022/06/MEDIA-ADVISORY-U.S.-Governmen-NDoH-Celebrate-COVID-19-Vaccine-Partnership.pdf>

⁴⁰⁹⁶ G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

⁴⁰⁹⁷ NHC minister meets with US ambassador to China, National Health Commission (Beijing) 4 July 2022. Access Date: 25 September 2022. http://en.nhc.gov.cn/2022-07/04/c_86030.htm

⁴⁰⁹⁸ Ministers from Mexico, the US and Canada meet in Mérida to reinforce commitments to protect and improve the environment of North America, Secretary of Environment and Natural Resources (Mexico City) 14 July 2022. Translation Provided by Google Translate. Access Date: 24 September 2022. <https://www.gob.mx/semarnat/prensa/los-ministros-de-medio-ambiente-de-mexico-eu-y-canada-se-reunen-en-merida-yucatan-para-reforzar-compromisos-trilaterales-para-preservar-protger-y-mejorar-el-medio-ambiente-de-america-del-norte?idiom=es>

⁴⁰⁹⁹ New CDC Report: Impact of COVID-19 on Antimicrobial Resistance, Centers for Disease Control and Prevention (Atlanta) 28 July 2022. Access Date: 24 September 2022. <https://www.cdc.gov/foodsafety/newsletter/AR-Report.html>

present but has worsened in the US. The goal of the report was to provide valuable knowledge to industry stakeholders on AMR.

On 5 August 2022, the APHIS announced it would begin its annual distribution of RABORAL V-RG®, an oral rabies vaccine bait, in areas in the eastern US to prevent the spread of raccoon rabies.⁴¹⁰⁰ This action aims to curb the spread of rabies which is a serious public health concern.

On 11 August 2022, the APHIS added the Kingdom of Lesotho, the Republic of Benin and the Republic of Botswana to the list of regions affected with highly pathogenic avian influenza (HPAI).⁴¹⁰¹ The goal of this announcement is to decrease the transmission of HPAI.

On 8 September 2022, the APHIS announced it would launch an updated web-based dashboard containing information on SARS-CoV-2 variants detected in animals.⁴¹⁰² The goal of the dashboard is to provide useful data as researchers work to better understand and combat SARS-CoV-2 and protect animal and human health, using a One Health approach.

On 14 September 2022, Secretary Vilsack announced that the Department of Agriculture would invest up to USD2.8 billion in 70 select projects under the first pool of the Partnerships for Climate-Smart Commodities funding opportunity.⁴¹⁰³ The goal of the initiative is to expand markets for climate-smart commodities, leverage greenhouse gas benefits of climate-smart commodity production and provide benefits to production agriculture.

On 15 September 2022, the APHIS announced it had recently made final touches on a biosecurity tool funded under the American Rescue Plan Act which seeks to conduct monitoring and surveillance for SARA-CoV-2 in susceptible animals.⁴¹⁰⁴ The goal of the tool is to act as an early warning system and potentially prevent or limit the next zoonotic disease outbreak.

On 15 September 2022, the APHIS confirmed the presence of HPAI in a non-commercial backyard flock in Obion County, Tennessee and said that it was working closely with state animal health officials on a joint incident response.⁴¹⁰⁵

On 15 September 2022, the APHIS announced it was cooperating with Native American agriculture and natural resources organizations to host regional Emergency Preparedness and Response

⁴¹⁰⁰ USDA Begins 2022 Oral Rabies Vaccine Efforts in Eastern United States, Animal and Plant Health Inspection Service (Washington D.C.) 8 August 2022. Access Date: 24 September 2022.

https://www.aphis.usda.gov/aphis/newsroom/news/sa_by_date/sa-2022/orv-efforts

⁴¹⁰¹ APHIS Adds the Kingdom of Lesotho, the Republic of Benin, and the Republic of Botswana to the List of Regions Affected with Highly Pathogenic Avian Influenza, Animal and Plant Health Inspection Service (Washington D.C.) 11 August 2022. Access Date: 24 September 2022. https://www.aphis.usda.gov/aphis/newsroom/federal-register-posts/sa_by_date/sa-2022/aphis-adds-affected-regions-hpai

⁴¹⁰² USDA Announces Updated Dashboard with Data on SARS-COV-2 Variants Detected in Animals, Animal and Plant Health Inspection Service (Washington D.C.) 7 September 2022. Access Date: 24 September 2022.

https://www.aphis.usda.gov/aphis/newsroom/stakeholder-info/sa_by_date/sa-2022/sars-cov-2-updated-dashboard

⁴¹⁰³ Biden-Harris Administration Announces Historic Investment in Partnerships for 70 Climate-Smart Commodities and Rural Projects, United States Department of Agriculture (Washington D.C.) 14 September 2022. Access Date: 24 September 2022. <https://www.usda.gov/media/press-releases/2022/09/14/biden-harris-administration-announces-historic-investment>

⁴¹⁰⁴ Researchers put finishing touches on biosecurity tool to help prevent, minimize future pandemics, Animal and Plant Health Inspection Service (Washington D.C.) 15 September 2022. Access Date: 24 September 2022.

<https://www.aphis.usda.gov/aphis/newsroom/stakeholder-info/stakeholder-messages/animal-health-news/biosecurity-tool>

⁴¹⁰⁵ USDA Confirms Highly Pathogenic Avian Influenza in Tennessee, Animal and Plant Health Inspection Service (Washington D.C.) 15 September 2022. Access Date: 24 September 2022.

https://www.aphis.usda.gov/aphis/newsroom/stakeholder-info/sa_by_date/sa-2022/hpai-tn

training.⁴¹⁰⁶ The goal of such workshops is to open a critical dialogue between the APHIS and indigenous peoples about responding to animal or plant health emergencies and give workshop participants technical assistance with development emergency response plans.

The United States has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. National actors like the CDC, FDA and APHIS took strong action to balance the health of humans, animals and ecosystems by combating threats like AMR and COVID-19. The US also helped establish important healthcare systems like the GAIHN, the Global AR Lab & Resistance Framework and NAHLN. The US collaborated with international actors like the WHO, FAO and G20 to address climate challenges and support global health systems.

Thus, the United States receives a score of +1.

Analysts: Saarah Khan and Jonathan Chin Wei

European Union: +1

The European Union has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes.

On 2 November 2021, the European Commission signed the Glasgow Leaders' Declaration on Forests and Land Use at the 26th United Nations Climate Change Conference of the Parties to stop and reverse deforestation.⁴¹⁰⁷ The goal of this agreement was to pursue policies enhancing sustainable agriculture and food security, make sustainability profitable and support smallholders, Indigenous Peoples and local communities who depend on forests for their livelihoods.

On 7 December 2021, the EU committed EUR2.5 billion in funding towards combatting global hunger and food shortages, with targeted support for developing nations in Africa, Asia, the Pacific, South America and the Caribbean.⁴¹⁰⁸ The goal of this contribution is to promote initiatives that strengthen nutrition-relevant sectors including agriculture, water, sanitation and healthcare.

On 22 December 2021, the EU provided EUR15 million in humanitarian aid to address the food crisis in Africa's Sahel region, adding to a previous contribution of EUR54 million.⁴¹⁰⁹ The goal of this funding was to improve access to healthcare and sanitary water supplies, provide treatment for malnourished children and distribute emergency nutritional aid.

⁴¹⁰⁶ Emergency Preparedness and Response Training: Preparing Tribal Nations for Animal and Plant Health Emergencies, Animal and Plant Health Inspection Service (Washington D.C.) 15 September 2022. Access Date: 24 September 2022. <https://www.aphis.usda.gov/aphis/newsroom/stakeholder-info/stakeholder-messages/tribal/emergency-preparedness-training>

⁴¹⁰⁷ Glasgow Leaders' Declaration on Forests and Land Use, United Nations Climate Change Conference United Kingdom 2021 (Glasgow) 2 November 2021. Access Date: 19 June 2022. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>

⁴¹⁰⁸ EU pledges €2.5 billion to combat malnutrition with partner countries, European Commission (Brussels) 7 December 2021. Access Date: 12 February 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_21_6644

⁴¹⁰⁹ Sahel food crisis: EU allocates €15 million in additional humanitarian funding, European Commission (Brussels) 22 December 2021. Access Date: 12 February 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_21_7048

On 28 January 2022, the EU implemented new legislation on the regulation of veterinary medicinal products to inhibit antimicrobial resistance in livestock.⁴¹¹⁰ The goal of this action is to prevent future zoonotic disease outbreaks and public health crises.

On 9 February 2022, the EU committed to donating a minimum of 700 million COVID-19 vaccine doses to underdeveloped nations.⁴¹¹¹ The EU also announced a partnership with countries in Africa to construct robust healthcare infrastructure and aid in the containment of neglected tropical diseases along with HIV and COVID-19. As part of this coalition, the EU committed EUR1 billion towards developing independent pharmaceutical and vaccine proliferation infrastructure.

On 11 February 2022, the EU launched the coalition on Biodiversity Beyond National Jurisdiction (BBNJ) as part of its commitments to promoting ecosystem preservation and combatting climate change.⁴¹¹² The initiative is focused on reducing plastic pollution and addressing marine litter while protecting and restoring marine biodiversity.

On 23 March 2022, the European Commission developed and implemented a comprehensive food security strategy in response to the ongoing Ukraine crisis.⁴¹¹³ The EU provided EUR500 million in funding towards bolstering agriculture, food production and food distribution in Ukraine and further committed to supporting vulnerable food-importing countries in the face of global shortages and price instability.

On 24 March 2022, the EU contributed EUR24.5 million to the World Health Organization (WHO)'s initiative for expanding COVID-19 manufacturing, distribution and accessibility in Africa.⁴¹¹⁴ This funding will facilitate the transfer of mRNA technology across the region and strengthen medical regulatory agencies.

On 6 April 2022, the EU donated EUR554 million to combat the food insecurity and nutrition crises in the Sahel and Lake Chad regions.⁴¹¹⁵ The objectives of this initiative are to provide emergency relief to affected regions and improve underlying food security infrastructure.

On 8 April 2022, the European Commission pledged EUR75 million in funding toward the Gavi COVAX initiative at the Break COVID Now Summit co-hosted by Germany, Indonesia, Ghana, Senegal and Gavi which is the Vaccine Alliance.⁴¹¹⁶ The goal of this investment was to ensure equitable global access to COVID-19 vaccines.

On 12 April 2022, Commissioner for Crisis Management Janez Lenarčič, France's Minister for Europe and Foreign Affairs Jean-Yves Le Drian and Minister for Agriculture and Food Julien Denormandie and travelled to Rome to meet with Italy's Minister of Foreign Affairs and International Cooperation Luigi

⁴¹¹⁰ Veterinary medicines: new rules to promote animal health and fight antimicrobial resistance now apply, European Commission (Brussels) 28 January 2022. Access Date: 12 February 2022.

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_663

⁴¹¹¹ Speech by Commissioner Kyriakides at the Joint Conference of Foreign Ministers and Health Ministers, European Commission (Brussels) 9 February 2022. Access Date: 12 February 2022.

https://ec.europa.eu/commission/presscorner/detail/en/speech_22_929

⁴¹¹² One Ocean Summit: new steps strengthen EU leadership in protecting the Ocean, European Commission (Brussels) 11 February 2022. Access Date: 12 February 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_843

⁴¹¹³ Commission acts for global food security and for supporting EU farmers and consumers, European Commission (Brussels) 23 March 2022. Access Date: 14 March 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_1963

⁴¹¹⁴ EU strengthens partnership with WHO to boost local manufacturing and access to vaccines, medicines and health technologies in Africa, European Commission (Brussels) 24 March 2022. Access Date: 14 May 2022.

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_1970

⁴¹¹⁵ Food crisis: the EU takes action to support Africa's Sahel and Lake Chad regions, European Commission (Brussels) 6 April 2022. Access Date: 14 May 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_2245

⁴¹¹⁶ World leaders commit US\$4.8 billion to help break COVID now, Gavi Vaccine Alliance (Geneva) 8 April 2022. Access Date: 17 June 2022. <https://www.gavi.org/news/media-room/world-leaders-commit-us-48-billion-help-break-covid-now>

Di Maio and discuss food security in light of Russia's invasion of Ukraine.⁴¹¹⁷ Also in attendance were the leaders of the World Food Programme, the Food and Agriculture Organization of the United Nations, the International Fund for Agricultural Development and the Committee on World Food Security.

On 26 April 2022, the European Commission committed to providing EUR633 million in funding towards improving food security in the Horn of Africa, providing emergency humanitarian aid and implementing long-term solutions to ensure food availability and accessibility.⁴¹¹⁸

On 12 May 2022, the European Commission provided EUR400 million in support of COVID-19 vaccine production and distribution in Africa.⁴¹¹⁹ The EU further pledged EUR427 million in funding for the establishment of a Global Pandemic Preparedness Fund which aims to detect and prevent the outbreak and spread of future global health crises.

On 13 May 2022, Commissioner for Agriculture Janusz Qojciechowski met with other G7 Agriculture Ministers in Stuttgart to discuss the consequences of Russia's invasion of Ukraine on global food security and nutrition.⁴¹²⁰ The G7 ministers committed to avoid any restrictions on food exports and continue work on creating a more sustainable and resilient agricultural system.

On 19 May 2022, Commissioner for Health and Food Safety Stella Kyriakides met with other G7 Health Ministers in Berlin to discuss the integration of One Health within existing systems.⁴¹²¹ The G7 ministers committed to a more inclusive and equity-driven pandemic prevention response system as supported by the World Health Organization.

On 20 June 2022, Commissioner Kyriakides met with other G20 Health Ministers to discuss ways to strengthen global health systems and reflect on universal tools that have helped during the pandemic like the Global Initiative on Sharing Avian Influenza Data and the Access to COVID Tools Accelerator.⁴¹²²

On 28 June 2022, the European Commission's Health Emergency Preparedness and Response Authority (HERA) commenced the delivery of monkeypox vaccine doses to member states prioritizing countries most affected by viral monkeypox outbreaks.⁴¹²³ This action was part of an effort to contain and prevent the spread of an emerging public health threat posed by the virus.

⁴¹¹⁷ Food Security, Ministry of Europe and Foreign Affairs (Paris) 12 April 2022. Translation provided by Google Translate. Access Date: 19 June 2022. <https://www.diplomatie.gouv.fr/en/french-foreign-policy/development-assistance/food-security-nutrition-and-sustainable-agriculture/article/food-security-the-minister-for-europe-and-foreign-affairs-and-the-minister-of>

⁴¹¹⁸ Food security in Horn of Africa: EU steps up support to drought-affected countries, European Commission (Brussels) 26 April 2022. Access Date: 14 May 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_2508

⁴¹¹⁹ Global response to COVID-19 and beyond: Commission steps up funding to vaccination roll-out in Africa, European Commission (Brussels) 12 May 2022. Access Date: 14 May 2022.

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_3035

⁴¹²⁰ Pathways Towards Sustainable Food Systems in Times of Crises, Group of Seven Germany (Berlin) 14 May 2022. Access Date: 19 June 2022. https://www.bmel.de/SharedDocs/Downloads/EN/_International-Affairs/g7-2022-kommunique-en.pdf?__blob=publicationFile&v=5

⁴¹²¹ G7 Health Ministers' Communique, Group of Seven Germany (Berlin) 20 May 2022. Access Date: 19 June 2022. <https://www.g7germany.de/resource/blob/974430/2042058/5651daa321517b089cdccaffd1e37a1/2022-05-20-g7-health-ministers-communique-data.pdf?download=1>

⁴¹²² G20 Health Ministers Meeting, Department of Health (Canberra) 19 June 2022. Access Date: 19 June 2022. <https://www.health.gov.au/ministers/the-hon-mark-butler-mp/media/g20-health-ministers-meeting>

⁴¹²³ European Health Union: Start of delivery of vaccines in response to the monkeypox outbreak, European Commission (Brussels) 28 June 2022. Access Date: 24 September 2022.

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_4146

On 12 July 2022, Commissioner Kyriakides met with EU representatives in Brussels to identify urgent cross-border health threats and initiate the process of launching prevention, preparedness and monitoring measures to contain potential health crises.⁴¹²⁴

On 15 July 2022, Commissioner Kyriakides convened with Ukraine's Minister of Health Viktor Liashko to sign the EU4Health program agreement.⁴¹²⁵ Ukraine's official ratification of this agreement will allow it to rapidly access EU health funding allocated toward the program – a total budget of EUR5.3 billion until 2027. With this contribution, the EU intends to assist Ukraine in addressing immediate healthcare sector demands and to alleviate some of the pressures placed on its public health system by Russia's invasion.

On 28 July 2022, the European Commission's HERA signed an agreement with GSK pharmaceuticals for the joint acquisition of a pandemic influenza vaccine named Ajupanrix.⁴¹²⁶ The agreement allows signatories to procure up to 85 million vaccine doses in the event of a future influenza pandemic emergency. This agreement is part of the EU's commitment to enhancing medical countermeasures and health security resources.

On 7 September 2022, the European Commission's HERA acquired over 170,000 additional doses of the monkeypox vaccine to be distributed among EU member states in an effort to contain existing outbreaks and prevent further spread of the virus.⁴¹²⁷ This procurement brought the EU's total number of secured vaccine doses to over 330,000.

On 13 September 2022, Commissioner Kyriakides released a joint statement with WHO Regional Director for Europe Hans Henri Kluge reemphasizing the EU's commitment to containing and halting the spread of the monkeypox virus.⁴¹²⁸ The statement outlined four key areas of collaboration between the EU and the WHO: providing guidance and information to health authorities and civil groups, guaranteeing the availability and accessibility of medical countermeasures and supplies, protecting at-risk population groups from stigma and discrimination and bolstering global research efforts into the virus.

On 21 September 2022, the EU pledged to contribute EUR715 million to the Global Fund which is an organization committed to eliminating the spread of AIDS, Tuberculosis, Malaria and COVID-19.⁴¹²⁹ The Fund provides financial aid to low and middle-income countries in order to enhance access to medical equipment and therapeutics, strengthen health infrastructure and improve global health security.

The European Union has fully complied with its commitment to integrate the implementation of a One Health approach in relevant policies and decision-making processes. The EU has demonstrated a

⁴¹²⁴ Health Union: HERA delivers list of top-3 health threats to prepare against, European Commission (Brussels) 12 July 2022. Access Date: 24 September 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_4474

⁴¹²⁵ Ukraine: EU grants access to funding under the EU4Health Programme, European Commission (Brussels) 15 July 2022. Access Date: 24 September 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_4490

⁴¹²⁶ European Health Union: HERA signs joint procurement contract for pandemic influenza vaccine, European Commission (Brussels) 28 July 2022. Access Date: 24 September 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_4363

⁴¹²⁷ Health Union: HERA secures additional vaccine doses in the fight against the monkeypox outbreak, European Commission (Brussels) 7 September 2022. Access Date: 24 September 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_5362

⁴¹²⁸ Statement by European Commission for Health and Food Safety Stella Kyriakides and WHO Regional Director for Europe Dr Hans Henri P. Kluge on preventing monkeypox from becoming endemic in Europe, European Commission (Brussels) 13 September 2022. Access Date: 24 September 2022. https://ec.europa.eu/commission/presscorner/detail/en/statement_22_5498

⁴¹²⁹ EU announces historic €715 million for the Global Fund to save millions of lives from AIDS, tuberculosis and malaria, European Commission (New York) 21 September 2022. Access Date: 24 September 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_5650

commitment to end food crises as seen with its investments in Africa, the Sahel region and Ukraine to secure food supplies and provide nutrition as well as fight infectious and tropical diseases. The BBNJ is an example of a policy to support environmental health. The EU has also worked with actors like the WHO, G7, G20 and Gavi Vaccine Alliance to support the preparedness and responsiveness of the global health systems.

Thus, the European Union receives a score of +1.

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