



**RANEP**  
THE RUSSIAN PRESIDENTIAL ACADEMY  
OF NATIONAL ECONOMY  
AND PUBLIC ADMINISTRATION



# 2021 G20 Rome Summit Final Compliance Report

Prepared by  
Kaylin Dawe, Sonja Dobson and the G20 Research Group  
University of Toronto  
Toronto  
and  
Alexander Ignatov and the Center for International Institutions Research  
Russian Presidential Academy of National Economy and Public Administration,  
Moscow

From 1 November 2021 to 14 October 2022

12 November 2022

**Feedback, as always, is welcome and is kept anonymous.  
We encourage readers to send comments to  
[G20@utoronto.ca](mailto:G20@utoronto.ca)**

## Contents

<b>Preface</b> .....	3
Research Teams .....	4
Toronto G20 Research Group Team .....	4
G20 Research Group Lead Analysts .....	4
G20 Research Group Analysts .....	4
CIIR G20 Research Team .....	5
Introduction and Summary .....	6
Methodology and Scoring System .....	6
Commitment Breakdown .....	6
Selection of Commitments .....	6
Final Compliance Scores .....	7
Final Compliance by Member .....	7
Final Compliance by Commitment .....	7
Table 1: 2021 G20 Rome Summit Commitments Selected for Compliance Monitoring .....	8
Table 2: 2021 G20 Rome Summit Final Compliance Scores .....	10
Table 3: 2021 G20 Rome Summit Final Compliance by Member .....	11
Table 4: 2021 G20 Rome Summit Final Compliance by Commitment .....	12
Table 5: G20 Compliance by Member, 2008-2021 .....	13
Conclusions .....	15
Future Research and Reports .....	15
Considerations and Limitations .....	15
Appendix: General Considerations .....	16
1. Macroeconomics: Inclusive Growth .....	17
2. Macroeconomics: Local Currency Capital Markets .....	88
3. Trade: Fair Competition .....	114
4. Digital Economy: Challenges .....	147
5. Digital Economy: Artificial Intelligence .....	182
6. International Taxation: Base Erosion and Profit Shifting .....	211
7. Crime and Corruption: Financial Action Task Force .....	211
8. Labour and Employment: Social Inclusion .....	256
9. Infrastructure: Public-Private Partnerships .....	283
10. Gender: Sustainable Development Goals .....	331
11. Development: Inclusive Recovery .....	407
12. Food and Agriculture: Malnutrition .....	559
13. Health: Vaccines .....	635
14. Health: One Health .....	687
15. Health: Digital Innovations .....	772
16. Energy: Coal .....	801
17. Environment: Land Degradation .....	818
18. Environment: Natural Resources .....	869
19. Climate Change: Paris Agreement .....	909
20. Climate Change: Developing Countries .....	985
21. Climate Change: National Plans .....	1020

## 9. Infrastructure: Public-Private Partnerships

“In line with the G20 Roadmap for Infrastructure as an Asset Class, and building on the G20 Infrastructure Investors Dialogue, we will continue, in a flexible manner, to develop further the collaboration between the public and private investors to mobilise private capital.”

*G20 Rome Leaders' Declarations*

### Assessment

	No Compliance	Partial Compliance	Full Compliance
Argentina			+1
Australia			+1
Brazil		0	
Canada			+1
China			+1
France			+1
Germany			+1
India		0	
Indonesia			+1
Italy		0	
Japan			+1
Korea		0	
Mexico			+1
Russia			+1
Saudi Arabia			+1
South Africa		0	
Turkey			+1
United Kingdom			+1
United States			+1
European Union			+1
Average		+0.75 (88%)	

### Background

The G20 Roadmap for Infrastructure as an Asset Class calls for a bridging of the infrastructure gap through collaboration to pool savings for long-term investment.<sup>1291</sup> Mobilising private capital for long term investment was first mentioned in the 2008 Washington Summit as part of the focus on reforming financial institutions in which the immediate actions declared the summit should “explore ways to restore emerging and developing countries’ access to credit and resume private capital flows”<sup>1292</sup>

Supporting the protection of private capital flows was subsequently brought to the forefront at the 2009 London Summit as part of a series of macroeconomic commitments that emerged to help summit members recuperate from the global impacts of the 2008 financial crisis. Building on the commitment from the 2008 Washington summit commitment 42 of the “resisting protectionism and promoting

<sup>1291</sup> Roadmap to Infrastructure as an Asset Class, Organisation for Economic Co-operation and Development (Paris) 2018. Access Date: 4 December 2021.

[https://www.oecd.org/g20/roadmap\\_to\\_infrastructure\\_as\\_an\\_asset\\_class\\_argentina\\_presidency\\_1\\_0.pdf](https://www.oecd.org/g20/roadmap_to_infrastructure_as_an_asset_class_argentina_presidency_1_0.pdf)

<sup>1292</sup> G20 Washington Summit Commitments, G20 Information Centre (Toronto) 15 November 2008. Access Date: 5 December 2021. <http://www.g20.utoronto.ca/analysis/commitments-08-washington.html>

global trade” focus promised to protect capital flow to developing countries from protectionism by implementing fiscal policies that support the financial sector.<sup>1293</sup>

At the 2009 Pittsburgh Summit, the commitment to continue to encourage investment by supporting capital flows continued alongside the rejection of protectionist measures, encompassed by the commitment to an open, global economy where G20 leaders sought to “not retreat into financial protectionism, particularly measures that constrain worldwide capital flows, especially to developing countries.”<sup>1294</sup>

Mention of the commitment to investment or the protection of capital flows was not present from 2010 to 2012. Rather, the 2010 Toronto, 2010 Seoul, 2011 Cannes and 2012 Los Cabos Summits shifted to specialized focuses on macroeconomic and trade commitments pertaining to exchange rates and the devaluation of currency, financial consolidation, and trade policies.

The commitment to investment returned at the 2013 St. Petersburg Summit as a macroeconomic policy on investment which declared the members “[recognize the paramount importance of the investment climate in attracting long-term financing and] will take a comprehensive approach to identifying and addressing impediments to improving underlying investment conditions.”<sup>1295</sup> This commitment is the first commitment to infrastructure investment for the G20.<sup>1296</sup>

The 2013 St. Petersburg macroeconomic commitment to investment continued in similar form at the 2014 Brisbane Summit with a particular focus on small and medium-sized enterprises.<sup>1297</sup> The focus on small and medium-sized enterprises continued at the 2015 Antalya Summit but was coupled with a country-specific investment strategy that was proposed to boost investment from the private sector with the aim of “lifting the aggregate G20 investment to GDP ratio, by an estimated 1 percentage point by 2018.”

At the 2017 Hamburg summit, the G20 leaders relayed the importance of “mutually advantageous trade and investment frameworks” focused on maintaining open markets to establish a foundation of trade and fight protectionism.<sup>1298</sup> To do so, the G20 requested the Organization for Economic Cooperation and Development (OECD), the World Trade Organization (WTO), the World Bank Group and the International Monetary Fund (IMF) to report on their monitoring activities, thereby affirming transparency and “promoting a favourable environment for trade and investment.” Furthermore, a commitment to improving international financial architecture was made to improve the systems of international capital flows.

At the 2018 Buenos Aires Summit, commitment 10 of the Leaders’ declaration aimed “to attract more private capital to infrastructure investment” through the amelioration of the infrastructure financing gap.”<sup>1299</sup> This commitment builds upon the commitments of the preceding Hamburg Summit and its

---

<sup>1293</sup> Global Plan for Recovery and Reform, G20 Information Centre (Toronto) 2 April 2009. Access Date: 5 December 2021. <http://www.g20.utoronto.ca/2009/2009communique0402.html>

<sup>1294</sup> G20 Leaders Statement: The Pittsburgh Summit, G20 Information Centre (Toronto) 25 September 2009. Access Date: 5 December 2021. <http://www.g20.utoronto.ca/2009/2009communique0925.html>

<sup>1295</sup> G20 Leaders’ Declaration, G20 Information Centre (Toronto) 6 September 2013. Access Date: 7 December 2021. <http://www.g20.utoronto.ca/2013/2013-0906-declaration.html>

<sup>1296</sup> 2018 G20 Osaka Summit Final Compliance Report, G20 Information Centre (Toronto) 19 November 2020. Access Date: 7 December 2021. [http://www.g20.utoronto.ca/analysis/Pittsburgh\\_G20\\_compliance\\_report.pdf](http://www.g20.utoronto.ca/analysis/Pittsburgh_G20_compliance_report.pdf)

<sup>1297</sup> G20 Leaders’ Communique, G20 Information Centre (Toronto) 16 November 2015. Access Date: 7 December 2021. <http://www.g20.utoronto.ca/2014/2014-1116-communique.html>

<sup>1298</sup> G20 Leaders’ Declaration: Shaping an Interconnected World, G20 Information Centre (Toronto) 8 July 2017. Access Date: 7 December 2021. <http://www.g20.utoronto.ca/2017/2017-G20-leaders-declaration.html>

<sup>1299</sup> G20 Leaders’ Declaration: Building Consensus for Fair and Sustainable Development, G20 Information Centre (Toronto) 1 December 2018. Access Date: 7 December 2021. <http://www.g20.utoronto.ca/2018/2018-leaders-declaration.html>

commitment to creating an investment framework, consequently continuing to promote sound financing practices that can further promote investment and mobilise private capital.<sup>1300</sup>

At the 2020 Riyadh Summit, mobilising private capital for long-term investment returned as a macroeconomic commitment to “strengthen long-term financial resilience and support growth, including through promoting sustainable capital flows and developing domestic capital markets.”<sup>1301</sup>

At the 2020 Rome Summit, recognizing the importance of quality infrastructure in the economic recovery of the COVID-19 pandemic, a commitment to financial infrastructure development was reaffirmed with a goal “to develop further the collaboration between the public and private investors to mobilise private capital.”<sup>1302</sup>

### **Commitment Features**

The G20 commitment is: “In line with the G20 Roadmap for Infrastructure as an Asset Class, and building on the G20 Infrastructure Investors Dialogue, we will continue, in a flexible manner, to develop further the collaboration between the public and private investors to mobilise private capital.”

“Building on” in this context is understood as using the G20 Infrastructure Investors Dialogue as a base to achieve further successes.<sup>1303</sup>

“Continue” is meant to convey that progress will be made on this commitment without interruption from the affected parties.<sup>1304</sup>

“Flexible” manner infers that the manner through which these aims are achieved can be changed or done in a variety of ways.<sup>1305</sup>

“Develop” in this commitment should be interpreted to mean that new initiatives are to be raised in this area, inapplicable to previous initiatives.<sup>1306</sup>

“Collaborate” in this context means that the relevant parties involved will work with each other in order to achieve the desired goal.<sup>1307</sup>

---

<sup>1300</sup>G20 Leaders’ Declaration: Shaping an Interconnected World, G20 Information Centre (Toronto) 8 July 2017. Access Date: 7 December 2021. <http://www.g20.utoronto.ca/2017/2017-G20-leaders-declaration.html>

<sup>1301</sup> Leaders’ Declaration, G20 Information Centre (Toronto) 21 November 2021. Access Date: 7 December 2021. <http://www.g20.utoronto.ca/2020/2020-g20-leaders-declaration-1121.html>

<sup>1302</sup> G20 Rome Leaders’ Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 7 December 2021. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

<sup>1303</sup> Cambridge Dictionary (Cambridge) n.d. Access Date: 8 December 2021. <https://dictionary.cambridge.org/dictionary/english/build-on-sth>

<sup>1304</sup> Merriam-Webster (Springfield) n.d. Access Date: 8 December 2021. <https://www.merriam-webster.com/dictionary/continue>

<sup>1305</sup> Merriam-Webster (Springfield) n.d. Access Date: 8 December 2021. <https://www.merriam-webster.com/dictionary/flexible>

<sup>1306</sup> Compliance Coding Manual for International Institutional Commitments, G7 and G20 Research Groups (Toronto) 12 November 2020. Access Date: 8 December 2021. [http://www.g7.utoronto.ca/compliance/Compliance\\_Coding\\_Manual\\_2020.pdf](http://www.g7.utoronto.ca/compliance/Compliance_Coding_Manual_2020.pdf)

<sup>1307</sup> Merriam-Webster (Springfield) n.d. Access Date: 8 December 2021 <https://www.merriam-webster.com/dictionary/collaborate>

“Public” investors references investment originating from the public sector, directly overseen by governments.<sup>1308</sup> “Private” investors, conversely, are businesses or industries not overseen or operated by governments.<sup>1309</sup>

“Mobilise” is meant to imply organized cooperation between these private and public investors in the infrastructure sphere,<sup>1310</sup> while private “capital” is defined as financial assets that will be invested toward the commitment.<sup>1311</sup>

The G20 Roadmap for Infrastructure as an Asset Class was agreed to in March 2018 under the Argentinian Presidency. The purpose of the Roadmap is to “address common barriers to the emergence of infrastructure as an asset class, including the heterogeneous nature of infrastructure assets, the lack of a critical mass of bankable projects and insufficient data to track asset performance.” It encompasses three overarching pillars of i) improving project development; ii) improving the investment environment for infrastructure; and iii) promoting great standardization. Under pillar one are the workstreams of contractual standardization, financial standardization, project preparation and bridging the data gap. Under pillar two are the workstreams of financial engineering, risk allocation and mitigation; regulatory frameworks and capital markets; and quality infrastructure.<sup>1312</sup>

The G20 Infrastructure Investors Dialogue happened on 3 June 2021. It included the OECD and the D20 Long-Term Investors Club, with representatives from the private sector, international organizations and academia, to discuss Financing Sustainable Infrastructure for the Recovery.<sup>1313</sup> The discussions focused on supporting “ongoing collaboration between the public and private sectors to unlock further investment and sustainability, particularly in light of the role of quality infrastructure investment for the recovery.”<sup>1314</sup>

Actions taken are to be pursued in line with the existing framework established by the G20 Roadmap for Infrastructure as an Asset Class. This encourages governments to collaborate with private sector actors to facilitate easier transfers to capital toward infrastructure projects, leading to long-term public savings. Governments are also called to build on the themes advanced as part of the G20 Infrastructure Investors Dialogue, which took place in 2021 under the Italian G20 Presidency in collaboration with the Organization for Economic Cooperation and Development (OECD).<sup>1315</sup> This conference endorsed proposals to support collaboration between public and private actors to fund investments in infrastructure during the recovery from the COVID-19 recession.

To achieve a full compliance score, the G20 member must take strong actions to spearhead new infrastructure initiatives that harness the capital assets of private sector actors, as well as public sector

---

<sup>1308</sup> Merriam-Webster (Springfield,) n.d. Access Date: 8 December 2021. <https://www.merriam-webster.com/dictionary/public%20sector>

<sup>1309</sup> Cambridge Dictionary (Cambridge) n.d. Access Date: 8 December 2021. <https://dictionary.cambridge.org/dictionary/english/private-sector>

<sup>1310</sup> Cambridge Dictionary (Cambridge) n.d. Access Date: 8 December 2021. <https://dictionary.cambridge.org/dictionary/english/mobilize>

<sup>1311</sup> Merriam-Webster (Springfield, Massachusetts) n.d. Access Date: 8 December 2021. <https://www.merriam-webster.com/dictionary/capital>

<sup>1312</sup> Roadmap to Infrastructure as an Asset Class, OECD (Paris) March 2018. Access Date: 14 December 2021. [https://www.oecd.org/g20/roadmap\\_to\\_infrastructure\\_as\\_an\\_asset\\_class\\_argentina\\_presidency\\_1\\_0.pdf](https://www.oecd.org/g20/roadmap_to_infrastructure_as_an_asset_class_argentina_presidency_1_0.pdf)

<sup>1313</sup> G20 Infrastructure Investors Dialogue: Financing Sustainable Infrastructure to foster the recovery, Department of the Treasury (Rome) 3 June 2021. Access Date: 14 December 2021. [http://www.dt.mef.gov.it/en/news/2021/investitori\\_g20.html](http://www.dt.mef.gov.it/en/news/2021/investitori_g20.html)

<sup>1314</sup> 2021 G20 Infrastructure Investors Dialogue, OECD (Paris) 3 June 2021. Access Date: 21 January 2022. <https://search.oecd.org/pensions/private-pensions/g20-infrastructure-investors-dialogue-2021.htm>

<sup>1315</sup> 2021 G20 Infrastructure Investors Dialogue, OECD (Paris) 3 June 2021. Access Date: 8 December 2021. <https://www.oecd.org/finance/g20-infrastructure-investors-dialogue-2021.htm>

actors. Merely maintaining existing initiatives and plans in this field is insufficient to receive a score of full compliance; members must actively advance the goals outlined by the G20 Roadmap for Infrastructure as an Asset Class as well as build upon the principles endorsed by the G20 Infrastructure Investors Dialogue. This commitment includes a depth component: how strong the actions taken dictate whether a G20 member receives a score of +1 or 0. Both national and international actions count towards compliance. For full compliance, a G20 member must take strong action such as launching initiatives, challenges or calls for projects that result in public-private infrastructure investment. Other examples of strong action could include signing agreements or memorandums of understanding with private investors for infrastructure investment. Weak action, such as simply making statements which indicate a G20 members intention to further public-private partnerships without concrete action, attending international meetings on infrastructure investment or hosting meetings with private investors that do not result in concrete agreements or actions would be considered partial compliance.

### Scoring Guidelines

-1	The G20 member has not furthered collaboration between public and private sectors to mobilise private capital for infrastructure investment.
0	The G20 member has somewhat furthered collaboration between public and private sectors to mobilise private capital for infrastructure investment.
+1	The G20 member has strongly furthered collaboration between public and private sectors to mobilise private capital for infrastructure investment.

*Compliance Director: Brett Szymul  
Lead Analyst: Leila Koobi*

### Argentina: +1

Argentina has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment. In line with the G20 Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, it has taken many steps to promote collaboration between private and public sectors to accrue capital for infrastructure.

On 23 November 2021, Minister of Economy Martin Guzman and Chief of Staff Juan Manzur met with Governor Gustavo Bordet to formalize a financial assistance agreement of ARS5 billion for the Entre Rios province.<sup>1316</sup> This financing will be mostly directed towards gas pipeline expansions to provide energy for local economies. Further, the assistance will also fund repairs on highways to improve logistics between local productive farms. The agreement will work with local producers to target infrastructural development in the province for goals of enhancing regional economies.

On 24 November 2021, Secretary for International Economic and Financial Affairs of the Ministry of Economy Maia Colodenco stated that the Technical Table for Sustainable Finance in Argentina, granted the approval of a roadmap that will guide short-, medium-, and long-term actions of public actors of the financial system.<sup>1317</sup> This roadmap will promote the alignment of the private sector in sustainable development ambitions. Further, she affirmed the signing the of the Joint Declaration of

<sup>1316</sup> The national government transfers funds to Entre Ríos for \$5,000 million for road works and gas pipeline, Ministry of Economy (Buenos Aires) 23 November 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/el-gobierno-nacional-transfiere-fondos-entre-rios-por-5000-millones-para-obras-viales-y>

<sup>1317</sup> Guzmán: “The role of public development banks will be fundamental in reorienting global finance towards a sustainable economy,” Ministry of Economy (Buenos Aires) 24 November 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/guzman-el-rol-de-los-bancos-publicos-de-desarrollo-sera-fundamental-en-la-reorientacion-de>

the regulatory entities of the banking, insurance, and capital market sectors, which hopes to create conditions for objective based public and private investments.

On 26 November 2021, Chief of Staff Manzur, Minister of the Interior Wado de Pedro and Minister Guzman signed the “Trust for Southern Development” agreement, which promotes infrastructural development in energy, health, engineering, and communication for the province of Patagonia.<sup>1318</sup> The ARS11 billion in funding for the agreement comes from multiple resources coordinated by national and provincial governments.

On 2 December 2021, Secretary of Tax Policy Roberto Arias stated the national government’s support for the promotion of the federal Knowledge Economy.<sup>1319</sup> This includes support for development in sectors such as software, communications, satellite industries, and other electronic services. Participants in the Knowledge Economy framework emphasized the value of the program in promoting links between public and private sectors for development coordination and larger economic growth.

On 7 December 2021, Minister Guzman and Minister of Science, Technology, and Innovation David Filmus guaranteed increased incremental investments by 2032.<sup>1320</sup> Both ministers affirmed the investment for strengthening Argentina’s scientific-technology system, stating that the development will connect knowledge production with productive firms to grow economic opportunities.

On 13 December 2021, Minister Guzman stated that investment in infrastructure will be a priority in the 2022 budget, with capital spending at 1.8 per cent and an expense of capital at 2.4 per cent<sup>1321</sup>

On 15 December 2021, Minister Guzman formalized a financial assistance agreement of ARS2 billion to the province of Chaco.<sup>1322</sup>

On 22 December 2021, Minister Guzman and Secretary of Treasury Raul Rigo saw the opening of the building of the Tax Court of the Nation (TFN).<sup>1323</sup> The TFN oversees resolutions appeals made by taxpayers against the Federal Administration of Public Revenues. Secretary Rigo proposed building

---

<sup>1318</sup> Juan Manzur, Wado de Pedro and Martín Guzmán signed with Gustavo Melella the Trust for the Development of Tierra del Fuego, Ministry of Economy (Buenos Aires) 26 November 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/juan-manzur-wado-de-pedro-y-martin-guzman-firmaron-con-gustavo-melella-el-fideicomiso-0>

<sup>1319</sup> Arias spoke at the meeting "Opportunities in the Knowledge Economy sector of Salta," Ministry of Economy (Buenos Aires) 2 December 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/arias-expuso-en-el-encuentro-oportunidades-en-el-sector-de-la-economia-del-conocimiento-de>

<sup>1320</sup> Guzmán and Filmus met with scientists and announced an increase in investment in science and technology, Ministry of Economy (Buenos Aires) 7 December 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/guzman-y-filmus-se-reunieron-con-cientificos-y-cientificas-y-anunciaron-suba-en-la>

<sup>1321</sup> Martín Guzmán: "Strengthening a development path with federal equity and stability is a collective task," Ministry of Economy (Buenos Aires) 13 December 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/martin-guzman-fortalecer-un-sendero-de-desarrollo-con-equidad-federal-y-estabilidad-es-una>

<sup>1322</sup> The National Government transfers funds to Chaco for \$2,000 million to promote the digital agenda in the province, Ministry of Economy (Buenos Aires) 15 December 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/el-gobierno-nacional-transfiere-fondos-chaco-por-2000-millones-para-impulsar-la-agenda>

<sup>1323</sup> Martín Guzmán participated in the inauguration of the first building of the Tax Court of the Nation, Ministry of Economy (Buenos Aires) 22 December 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/martin-guzman-participo-en-la-inauguracion-del-primer-edificio-del-tribunal-fiscal-de-la>



more public organizations such as the TFN to ensure best practices, security, integrity, and more technology for greater cooperation with the private sector.

On 2 January 2022, Minister of Economy Guzman, Minister of Productive Development Mattias Kulfas, Secretary of Commerce Roberto Feletti, and President of the Central Bank Miguel Pesce met with various business representatives of different sectors to discuss macroeconomic policy planning against inflation.<sup>1324</sup> The group discussed strategies involving price and income policies, as well as development investment coordination for the recovery of the national economy.

In January 2022, the government launched the National Renewable Cluster in San Juan, a public-private partnership that aims to expand clean energy infrastructure for domestic consumption.<sup>1325</sup> The government seeks to substitute clean energy imports by investing ARS1 billion pesos per year in the program. Estimates state that the cluster will generate 750 megawatts of renewable power in the next two years, whilst promoting economic activity through jobs and private sector energy expansion.

On 26 January 2022, Minister Filmus oversaw the transfer of technology between the National Council for Scientific and Technical Research and the company Danone.<sup>1326</sup> The knowledge of a probiotic strain in yogurt was commended as an exchange of high-level knowledge between public and private sectors, where public investment enables private sector development for greater goals of food security and food infrastructure in Argentina.

On 6 February 2022, Argentina joined the Belt and Road Initiative, with planned investments of USD23.7 billion from China.<sup>1327</sup> This investment will be approved and facilitated through the Strategic Dialogue for Economic Cooperation and Coordination, and the Ad Hoc Group consisting of representatives of both countries. The investments are targeted towards infrastructural works in the energy sector, water and sewage networks, and transportation and housing industries. Further, investments will also seek to expand foreign direct investment opportunities in Argentina and work with private sector suppliers to coordinate infrastructure goals.

On 8 February 2022, Minister Kulfas and San Juan Governor Sergio Uñac announced productive financing lines of ARS2.696 billion, for promoting investments and facilitating access to credit for small-medium regional enterprises.<sup>1328</sup> The government aims to use the strategic loans for investment projects in the province.

---

<sup>1324</sup> Guzmán, Kulfas, Feletti and Pesce met with businessmen to advance the price agreement policies for 2022, Ministry of Economy (Buenos Aires) 2 January 2022. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/guzman-kulfas-feletti-y-pesce-se-reunieron-con-empresarios-para-avanzar-en-las-politicas-de>

<sup>1325</sup> Argentina seeks to substitute imports of solar panels, Empresas, El Economista (Buenos Aires) 19 January 2022. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.eleconomista.com.mx/empresas/Argentina-busca-sustituir-importaciones-de-paneles-solares-20220119-0138.html>

<sup>1326</sup> CONICET and Danone signed an agreement for technology transfer, Ministry of Science, Technology and Innovation (Buenos Aires) 26 January 2022. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.argentina.gob.ar/noticias/conicet-y-danone-firmaron-un-convenio-para-la-transferencia-de-tecnologia>

<sup>1327</sup> The Government announces Chinese investments for US\$23.7 billion: Argentina joins the Silk Road, Economía y Política (Buenos Aires) 6 February 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.cronista.com/economia-politica/el-gobierno-anuncia-inversiones-chinas-por-us-23-700-millones-argentina-se-suma-a-la-ruta-de-la-seda/>

<sup>1328</sup> Kulfas and Uñac announced financing for more than \$2,600 million for SMEs in the province of San Juan, Ministry of Productive Development (Buenos Aires) 8 February 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.argentina.gob.ar/noticias/kulfas-y-unac-anunciaron-financiamiento-por-mas-de-2600-millones-para-pymes-de-la-provincia>

On 26 February 2022, Minister Guzman, and Misiones Governor Oscar Herrera, signed a financial assistance agreement of ARS2 billion to be granted via the Trust Fund for Provincial Development.<sup>1329</sup> The funds will be used for installing photovoltaic panels and road works to the city of Andresito and protecting its wetlands. Guzman stated that the funding would be valuable for promoting productive development in the province, as it would stimulate economic and social activity around the major municipalities.

On 9 March 2022, Minister of Transport Alexis Guerrero, and World Bank officials met to discuss the development of railway services.<sup>1330</sup> The meeting saw both parties agree to securing more international funds for developing railway systems and improving the transport of goods across the country. Additional proposals saw an agreement to enhance the mobility network for passengers, by creating more stations, developing better designs for urban transport, and constructing bicycle lanes to encourage diverse modes of transport. The Minister also provided updates on current World Bank funding for developing the Retiro grid and Miter line station, stating successful progress in reducing train delays, increasing connectivity, and possibly adding electric trains. Both parties agreed to continue financing the development through the Plan for the Modernization of Rail Transport, thereby committing to updating Argentina's transportation infrastructure.

On 16 March 2022, Undersecretary of Industry, Knowledge Economy, and External Commercial Management Julieta Loustau signed an agreement to create industrial parks in the province of La Salta. Minister of Production and Sustainable Development Martín De los Ríos, Minister of Economy and Public Services Roberto Dib Ashur and Minister of Infrastructure Sergio Camachostated stated that the plan will revitalize Argentina's industrial infrastructure, allowing for greater economic development and employment.<sup>1331</sup> Additionally, the development will be financed over time by the national government, Unión Industrial de Salta, and the Cámara PyME para los parques industriales, otherwise known as the SME Chamber for Industrial Parks, as the ministers emphasized the role of cooperation between different public and private entities for mutual benefit.

On 17 March 2022, directors of Compañía General de Combustibles and Minister Guzman came to an agreement that will see an investment of ARS300 million for developing gas and energy production.<sup>1332</sup> The company affirmed its commitment to financing upgrades to the energy sector, such as in producing 33 new gas wells in the Austral Basin, and further plans to finance enhancing energy infrastructure. Moreover, Minister Guzman emphasized the government's plans to support other energy development initiatives, such as the Plan Gas Program, and announced interests in future public-private initiatives to fund infrastructure in gas transportation.

On 22 March 2022, representative from the Ministry of Agriculture, Livestock and Fisheries Julián Domínguez, National Director of Aquaculture Guillermo Abdala and the director of the National Food

---

<sup>1329</sup> Martín Guzmán and Oscar Herrera Ahuad signed a Financial Assistance agreement for \$2,000 million for Misiones, Ministry of Economy (Buenos Aires) 26 February 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/martin-guzman-y-oscar-herrera-ahuad-firmaron-un-convenio-de-asistencia-financiera-por-2000>.

<sup>1330</sup> Guerrero received the World Bank to follow up on joint projects, Ministry of Transport (Buenos Aires) 9 March 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/guerrera-recibio-al-banco-mundial-para-dar-seguimiento-los-proyectos-conjuntos>

<sup>1331</sup> Productive Development and Salta agreed to promote the development of industrial parks, Ministry of Productive Development (Buenos Aires) 16 March 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/desarrollo-productivo-y-salta-acordaron-impulsar-el-desarrollo-de-parques-industriales>

<sup>1332</sup> Compañía General de Combustibles announced to Guzmán energy investments for more than 300 million dollars, Ministry of Economy (Buenos Aires) 17 March 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/compania-general-de-combustibles-le-anuncio-guzman-inversiones-energeticas-por-mas-de-300>

Safety and Quality Service Diana Guillen presented a new Rainbow Trout processing plant in the province of Neuquen.<sup>1333</sup> They emphasized that the plant would increase the country's production in aquaculture, whilst stimulating economic growth.

On 28 March 2022, the Ministry of the Interior expressed continued support for the Los Horcones expansion and modernization project.<sup>1334</sup> The development project aimed at stabilizing the Mendoza border, saw an investment of ARS11 million towards expanding entry and exit routes, immigration offices, and other infrastructure to assist cross border movement. National Director of the Technical Border Affairs of the Ministry of the Interior Adrian Lopez stated that the border is imperative for tourism and transportation between Argentina and Chile, and the expansion will enhance these functions.

On 8 April 2022, the Ministry of Science, Technology, and Innovation announced an investment of ARS300 million for the creation of a water management center in the province of San Juan.<sup>1335</sup> The center is meant to facilitate applied research, produce water treatment designs, and train human resources to strengthen water resources in arid ecosystems. The center will cooperate with multiple actors including researchers and institutions such as the National University of San Juan and private firms invested in water related industries. The center aims to gather private firms and researchers for coordination in research and development projects to create advanced infrastructure for water treatment in the province.

On 19 April 2022, Minister de Pedro and San Luis Governor Alberto Saa signed an agreement to develop the local tax system. This development comes as part of Argentina's Provincial Management Strengthening Program, which allocates funding from the national government to strengthen provincial governance structures. The agreement signed will see ARS300 million for tax and finance infrastructure, with an additional ARS226 million to construct aqueducts for local production and consumption.<sup>1336</sup>

On 21 April 2022, Minister of Productive Development Matias Kulfas, La Rioja Governor Ricardo Quintela, and executives from the national company Marshall Moffat agreed to invest ARS180 million for the construction of a new industrial plant in La Rioja province.<sup>1337</sup> Financed by Moffat, the government aims to coordinate the funds to develop the province's manufacturing infrastructure.

---

<sup>1333</sup> The national government promotes aquaculture production to diversify the generation of proteins and strengthen the fishing sector in a sustainable way, Ministry of Agriculture, Livestock, and Fisheries (Buenos Aires) 22 March 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/el-gobierno-nacional-potencia-la-produccion-acuicola-para-diversificar-la-generacion-de>

<sup>1334</sup> The Ministry of the Interior advances in the expansion of the Los Horcones border crossing, with an investment of US\$ 11 million, Ministry of Interior (Buenos Aires) 28 March 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/el-ministerio-del-interior-avanza-en-la-ampliacion-del-paso-fronterizo-los-horcones-con-una>

<sup>1335</sup> The Ministry of Science allocates 300 million pesos for the creation of a Water Management Center in the Province of San Juan, Ministry of Science, Technology, and Innovation (Buenos Aires) 8 April 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/el-ministerio-de-ciencia-destina-300-millones-de-pesos-para-la-creacion-de-un-centro-de>

<sup>1336</sup> Wado de Pedro in San Luis: "Federalism is equal opportunities and job creation throughout the country", Argentina (Buenos Aires), Ministry of Interior (Buenos Aires) 19 April 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/wado-de-pedro-en-san-luis-el-federalismo-es-la-igualdad-de-oportunidades-y-la-generacion-de>

<sup>1337</sup> The Marshall Moffat company announced an investment of \$180 million for the construction of a plant in the Industrial Park of La Rioja, Ministry of Productive Development (Buenos Aires) 21 April 2022. Translation provided by Google Translate. Access Date: 1 May 2022. <https://www.argentina.gob.ar/noticias/la-empresa-marshall-moffat-anuncio-una-inversion-de-180-millones-para-la-construccion-de>

Specifically, the plant will develop textiles such as fire-retardant clothing, with expectations to create 200 new jobs.

On 21 April 2022, Argentina announced its acquisition of funding for the Nestor Kirchner Pipeline, an energy infrastructure project that would cover 1,000 kilometres across the country.<sup>1338</sup> President Alberto Fernandez stated that the pipeline will radically transform Argentina, increasing its fuel transport capacity, and significantly enhancing energy access for domestic use, and export delivery – boasting a daily supply of 22 million cubic metres. The pipeline will be funded by the national government, provincial governments such as Neuquen, and companies like Pampa.

On 4 May 2022, Minister Guzman, and Minister Filmus presented a Science Budget of roughly ARS218 million for 2022.<sup>1339</sup> Minister Guzman stated that the funding will serve to create knowledge that would increase innovation, value, and development in key sectors and industries. Specifically, the government explained that this year's budget will encourage private firms to innovate and develop the country's energy infrastructure, whilst promoting a sustainable development model for resource extraction.

On 16 May 2022, Minister of the Interior Wado de Pedro and Minister of Economy Martin Guzman signed the Austral Development Trust Fund (FIDA) with Tierra del Fuego Governor Gustavo Melella.<sup>1340</sup> The agreement hopes to encourage development in the Tierra del Fuego province, with focused investments in infrastructure, energy, health, and communication projects. Minister Guzman applauded the agreement for promoting investment in the region, stating that the funds will be mobilized for roads, hospitals, energy, and other necessary infrastructure. Along with investments from BICA bank, the funds are also transferred from national and provincial governments, to direct and encourage financing towards development.

On 20 May 2022, Ministries of Economy and Productive Development announced the reorganization of functions to better react to the problem of inflation.<sup>1341</sup> Among the various changes, which includes the swapping of functions between ministries, the role of coordinating investment plans and generating strategic development plans, will be given to the Ministry of Industry and External Commercial Management. Meanwhile, the Ministry of Productive Development will maintain representatives in specific industrial public companies, as it coordinates with the new functions of the Ministry of Industry and External Commercial Management. The changes are set to be finalized in an upcoming presidential decree.

On 15 June 2022, German Secretary of State for the Economy and Climate Franziska Brantner, Argentine Secretary of Strategic Affairs Gustavo Beliz, Minister of Economy Martin Guzman, and Secretary of Energy Dario Martinez held a meeting to promote strategic energy partnerships and plans

---

<sup>1338</sup> Game-changer? Argentina launches tender for construction of enormous gas pipeline. Buenos Aires Times (Buenos Aires) 22 April 2022. Access Date: 1 May 2022. <https://www.batimes.com.ar/news/economy/game-changer-argentina-launches-tender-for-construction-of-enormous-gas-pipeline.phtml>

<sup>1339</sup> Martín Guzmán and Daniel Filmus presented the Science Budget, Ministry of Economy (Buenos Aires) 4 May 2022. Translation provided by Google Translate. Access Date: 8 May 2022. <https://www.argentina.gob.ar/noticias/martin-guzman-y-daniel-filmus-presentaron-el-presupuesto-de-ciencia>.

<sup>1340</sup> Wado de Pedro and Guzmán signed with Melella the Trust for the Development of Tierra del Fuego, Ministry of Interior Argentina (Buenos Aires). 16 May 2022. Translation provided by Google Translate. Access Date: 12 July 2022. <https://www.argentina.gob.ar/noticias/wado-de-pedro-y-guzman-firmaron-con-melella-el-fideicomiso-para-el-desarrollo-de-tierra-del>.

<sup>1341</sup> The Government reorganizes economic functions to strengthen productive reactivation and address the problem of inflation, Ministry of Economy Argentina (Buenos Aires). 20 May 2022. Translation provided by Google Translate. Access Date: 12 July 2022. <https://www.argentina.gob.ar/noticias/el-gobierno-reorganiza-funciones-economicas-para-fortalecer-la-reactivacion-productiva-y-el>.

for energy transition in Argentina.<sup>1342</sup> Representatives of energy companies, productive enterprises, and trade unions from both countries were also present. The meeting emphasized the need to strengthen a strategic alliance between the two countries, to consolidate energy security and promote renewable sources of energy. Simultaneously, these goals were also described as being crucial for new business and investment opportunities, as both parties encouraged present public-private development projects in Vaca Muerta, relating to renewable energy and hydrogen development.

On 16 June 2022, Secretary of Provinces of the Ministry of the Interior Silvina Batakis, the undersecretary of Policies for Development with Regional Equity Martín Pollera, and the Secretary of Socio-Urban Integration Fernanda Miño, presented a pre-investment program to develop neighborhoods in the Norte Grande region.<sup>1343</sup> The program aims to urbanize selected neighbourhoods, with five development projects each year, with the Ministry of the Interior allocating the necessary funds needed for continued urbanization. Additionally, the program will provide a minimum of five professionals per province, consisting of two architects, two engineers, and a project coordinator; these professionals will guide and contribute to the execution of development projects.

On 7 July 2022, Minister de Pedro and Santa Cruz Governor Alicia Kirchner signed an agreement to begin the construction of an aqueduct in the Río Gallegos.<sup>1344</sup> The project will provide the population of 117,000 with safe drinking water, while the construction will be financed by the Financial Fund for the Development of the River Plate Basin for a cost over ARS6.4 billion pesos. Governor Kirchner stressed that the project is a much-needed development as providing drinking water service is fundamental to community development, as well as promoting growth in the province.

On 19 August 2022, Minister of Economy Sergio Massa and Executive President of the CAF Development Bank Sergio Granados signed six loan agreements of USD740 million for various development projects in Buenos Aires.<sup>1345</sup> The capital will be used to finance several development plans, including the “Argentina Against Hunger” program, which seeks to provide food security to families in poverty. Other plans include projects to expand and improve water infrastructure, granting better access to drinking water and sanitation services, and a plan to upgrade school and road infrastructure in the province of Buenos Aires.

On 22 July 2022, President Fernández, Minister of Science Daniel Filmus, and the governors of 16 provinces signed an agreement to finance 22 scientific and technological infrastructural projects in the country.<sup>1346</sup> The agreement allots ARS9.9 billion through the federal “Build Science” program, which

---

<sup>1342</sup> The Secretary of Economy and Climate Protection of Germany met with Guzmán and Beliz to promote new investments, Ministry of Economy Argentina (Buenos Aires). 15 June 2022. Translation provided by Google Translate. Access Date: 12 July 2022. <https://www.argentina.gob.ar/noticias/la-secretaria-de-economia-y-proteccion-del-clima-de-alemania-se-reunio-con-guzman-y-beliz>.

<sup>1343</sup> Interior and Social Development launched a pre-investment program to advance projects in popular neighborhoods in the Norte Grande, Ministry of Interior Argentina (Buenos Aires). 16 June 2022. Translation provided by Google Translate. Access Date 12 July 2022. <https://www.argentina.gob.ar/noticias/interior-y-desarrollo-social-lanzaron-programa-de-preinversion-para-avanzar-en-proyectos-de>.

<sup>1344</sup> Wado de Pedro and Alicia Kirchner signed an agreement for the construction of an aqueduct in Río Gallegos, Ministry of Interior Argentina (Buenos Aires). 7 July 2022. Translation provided by Google Translate. Access Date 12 July 2022. <https://www.argentina.gob.ar/noticias/wado-de-pedro-y-alicia-kirchner-firmaron-un-convenio-para-la-construccion-de-un-acueducto..>

<sup>1345</sup> Economy and CAF agree on credits for infrastructure works and assistance to economic and social programs, Ministry of Economy Argentina (Buenos Aires). 19 August 2022. Translation provided by Google Translate. Access Date 21 August 2022. <https://www.argentina.gob.ar/noticias/economia-y-caf-acuerdan-creditos-para-obras-de-infraestructura-y-asistencia-programas>

<sup>1346</sup> The Ministry of Science will invest \$9.9 billion through the Federal Program “Build Science”, Ministry of Science Argentina (Buenos Aires). 7 July 2022. Translation provided by Google Translate. Access Date 24 July 2022. <https://www.argentina.gob.ar/noticias/el-ministerio-de-ciencia-invertira-9900-millones-traves-del-programa-federal-construir>

aims to adapt existing infrastructure related to science, technology, and innovation. The funding will go to existing centers of research and development, such as the Andean Patagonian Forest Research and Extension Center, and the Center for Research, Development, and Innovation in Health.

On 10 September 2022, Minister of Economy Sergio Massa, met with representatives of multinational energy companies to encourage investment in Argentina.<sup>1347</sup> Notable parties included directors from Chevron and representatives from Haliburton while Minister Massa emphasized the need for foreign investment to develop Argentina's mining infrastructure.

On 12 September 2022, Minister of Economy Sergio Massa met with the Managing Director of the IMF, Kristalina Georgieva, to discuss fiscal stabilization and development in Argentina.<sup>1348</sup> Minister Massa stated continued plans to strengthen reserves, stabilize markets, and bring fiscal order to the economy, emphasizing the importance of external support.

Argentina has fully complied with its commitment to further collaboration between public and private sectors to mobilize capital for infrastructure investment. In accordance with the Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, the country has drafted policies to facilitate public-private partnerships in infrastructure investment, whilst encouraging opportunities to accrue private capital for further projects.

Thus, Argentina receives a score of +1.

*Analyst: Firaz Khan*

#### **Australia: +1**

Australia has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 19 November 2021, the government announced the Cooper and Adavale Basins to be the third basin delivered under the Gas Fired Recovery announced in the 2020-21 federal budget.<sup>1349</sup> The government plans to dedicate more than AUD60 million in new initiatives to bring new gas to the market, putting downward pressure on the prices for oil and gas.

On 10 December 2021, the government invested a further AUD20 million in funding for the Australian 5G Innovation Initiative.<sup>1350</sup> The project will enable use of 5G technologies for organizations and encourage businesses to adopt 5G technology. This project will help support Australia's post-COVID-19 economic recovery, boost productivity, and create jobs.

---

<sup>1347</sup> Focused on development and investments, Massa met in Houston with representatives of the main energy companies, Ministry of Economy Argentina (Buenos Aires). 10 September 2022. Translation provided by Google Translate. Access Date 11 September 2022. <https://www.argentina.gob.ar/noticias/con-eje-en-desarrollo-e-inversiones-massa-se-reunio-en-houston-con-representantes-de-las>.

<sup>1348</sup> Sergio Massa met with the Managing Director of the IMF, Kristalina Georgieva, Ministry of Economy, Argentina (Buenos Aires). 12 September 2022. Translation provided by Google Translate. Access Date: 22 September 2022. <https://www.argentina.gob.ar/noticias/sergio-massa-se-reunio-con-la-directora-gerenta-del-fmi-kristalina-georgieva>

<sup>1349</sup> Driving new gas discoveries in the Cooper and Adavale basins, Department of Industry, Science, Energy and Resources (Sydney) 19 November 2021. Access Date: 10 February 2022. <https://www.industry.gov.au/news/driving-new-gas-discoveries-in-the-cooper-and-adavale-basins>.

<sup>1350</sup> More funding for the 5G Innovation Initiative announced, Department of Infrastructure, Transport, Regional Development and Communications (Sydney) 10 December 2021. Access Date: 10 February 2022. <https://www.infrastructure.gov.au/department/media/news/more-funding-5g-innovation-initiative-announced>.

On 20 December 2021, the government released an Aviation Recovery Framework, to help Australia's aviation sector recover after economic shocks due to the pandemic.<sup>1351</sup> The program adds an additional AUD110 million to the assistance provided to the aviation sector during the pandemic.

On 13 January 2021, the Renewable Energy Agency provided up to AUD40 million to support ultra-low cost solar.<sup>1352</sup> This funding was provided to advance the research and commercialisation of solar photovoltaic (PV) technology. The Ultra-Low Cost Solar PV Round remains open to a broad range of applications, including commercial organizations.

On 14 January 2022, the Department of Defense issued a notification of intended procurement activity to declare its intentions of seeking government approval to build 991 live-in accommodations for the Australian Defence Force in the Randwick Barracks in Sydney.<sup>1353</sup> The Department stated it seeks to procure the accommodations through public-private partnerships, which will provide options to plan, design, finance, and construct the project.

On 25 January 2021, the government began accepting applications for the 2nd round of Securing Raw Materials program.<sup>1354</sup> Valued at AUD35 million, this funding will help businesses capitalize on research capabilities and local knowledge in regional Australia to develop innovative and locally sourced raw material supplies.

On 1 March 2022, the Department of Defense announced it has begun its procurement of public and private partnerships to construct the 991 live-in accommodations for the Australian Defence Force in the Randwick Barracks.<sup>1355</sup> The Department elaborated on the expectations for the accommodations, stating they seek to create an integrated estate that is "affordable, safe, and sustainable." The procurement process entails two stages: first, a request for expressions of interest and, second, a shortlist of qualified candidates who will submit proposals to the department by 14 March 2022.

On 24 May 2022, at the Quad Joint Leaders' meeting comprised of Prime Minister Anthony Albanese of Australia, Prime Minister Narendra Modi of India, Prime Minister Fumio Kishida of Japan, and President Joe Biden, the leaders reaffirmed their commitment to improving infrastructure the Indo-Pacific region through public and private partnerships.<sup>1356</sup> To do so, the four leaders pledged USD50 billion to infrastructure assistance and investment to the region over five years.

---

<sup>1351</sup> Setting Australia's aviation industry on a course to recovery, Department of Infrastructure, Transport, Regional Development and Communications (Sydney) 20 December 2021. Access Date: 11 February 2022.

<https://www.infrastructure.gov.au/department/media/news/setting-australias-aviation-industry-course-recovery>

<sup>1352</sup> Low cost solar technology gets a funding boost, Department of Industry, Science, Energy and Resources (Sydney) 13 January 2022. Access Date: 11 February 2022. <https://www.industry.gov.au/news/low-cost-solar-technology-gets-a-funding-boost> <https://arena.gov.au/funding/ultra-low-cost-solar-pv-research-and-development-round/>.

<sup>1353</sup> Closed ATM View - J0132, Australian Government (Sydney) 14 January 2022. Access Date: 16 June 2022. <https://www.tenders.gov.au/Atm/ShowClosed/b00f47a1-5699-4c18-b791-55f5c3fd8f06?PreviewMode=False>

<sup>1354</sup> Growing Australia's regional raw materials industry, Department of Infrastructure, Transport, Regional Development and Communications (Sydney) 25 January 2022. Access Date: 11 February 2022. <https://www.infrastructure.gov.au/department/media/news/growing-australias-regional-raw-materials-industry>

<sup>1355</sup> Closed ATM View - J0132 REOI, Australian Government (Sydney) 1 March 2022. Access Date: 16 June 2022. <https://www.tenders.gov.au/Atm/ShowClosed/c6f7c756-94ee-46e8-9172-8d16970e3a65?PreviewMode=False>

<sup>1356</sup> Quad Joint Leaders' Statement, The White House Briefing Room (Washington D.C.) 24 May 2022. Access Date: 16 June 2022. <https://www.whitehouse.gov/briefing-room/statements-releases/2022/05/24/quad-joint-leaders-statement/>

On 27 September 2022, the Minister for Infrastructure, Transport, Regional Development, and Local Government Catherine King, announced the Australian Government and the Foundation of Rural and Regional Renewal (FRRR) provided AUD834892 for fifty community-led initiatives.<sup>1357</sup>

Australia has fully complied with its commitment to develop infrastructure projects with strong elements of private and public collaboration. In accordance with the Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, the country remains proactive in seeking private and public partnerships when developing vital infrastructure.

Thus, Australia receives a score of +1.

*Analysts: Ricky Kyung Min Kim and Émilie Sauriol*

### **Brazil: 0**

Brazil has partially complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

In January 2022, the government prioritized five major infrastructure projects to receive tax incentives. The combined projects receive a total of BRL9 billion, which includes railway projects, port sector development, and highway infrastructure. Beneficiary companies will receive up to five years of related tax exemption.<sup>1358</sup>

On 31 January 2022, the public consultation for the privatization of port of Santos began.<sup>1359</sup> Moreover, the investment in the port's rail system will likely increase the port capacity. The concession is estimated to create up to 60,000 jobs, according to the Minister of Infrastructure.

On 12 February 2022, Minister of Infrastructure Tarcísio Gomes de Freitas stated that the future infrastructure planning and financial flows will be increasingly related to international ESG standards, with a focus on analyzing erosion processes, compensatory planting, adequate treatment of affected communities and compensations.<sup>1360</sup>

On 8 September 2022, the government authorized the city of Belo Horizonte to privatize their subway system.<sup>1361</sup> This initiative has raised BRL180 billion through the auction and made BRL1.3 trillion for Brazilian investment.

---

<sup>1357</sup> Remote, rural and regional communities to receive over \$800,000 in Australian Government funding, Minister for Infrastructure, Transport, Regional Development and Local Government (Canberra) 27 September 2022. Access Date: 4 November 2022. [https://minister.infrastructure.gov.au/c-king/media-release/remote-rural-and-regional-communities-receive-over-800000-australian-government-funding?\\_ga=2.220051870.647292717.1667616510-1022588488.1667616510](https://minister.infrastructure.gov.au/c-king/media-release/remote-rural-and-regional-communities-receive-over-800000-australian-government-funding?_ga=2.220051870.647292717.1667616510-1022588488.1667616510)

<sup>1358</sup> Five more infrastructure projects are defined as priorities to receive tax incentives, Ministry of Infrastructure (Brasília) 11 February 2022. Translation provided by Google Translate. Access Date: February 17, 2022. <https://www.gov.br/infraestrutura/pt-br/assuntos/noticias/2022/02/mais-cinco-projetos-de-infraestrutura-sao-definidos-como-prioritarios-para-receber-incentivos-fiscais>

<sup>1359</sup> Privatization of the Port of Santos will solve the city's historical problems, says Tarcísio, Ministry of infrastructure (Brasília) 10 February 2022. Translation provided by Google Translate. Access Date: 17 February 2022. <https://www.gov.br/infraestrutura/pt-br/assuntos/noticias/2022/02/desestatizacao-do-porto-de-santos-vai-resolver-problemas-historicos-da-cidade-diz-tarcisio>

<sup>1360</sup> Tarcísio: financing of infrastructure projects and environmental standards go hand in hand, Ministry of Infrastructure (Brasília) 11 February 2022. Translation provided by Google Translate. Access Date: 17 February 2022. <https://www.gov.br/infraestrutura/pt-br/assuntos/noticias/2022/02/tarcisio-financiamento-de-projetos-em-infraestrutura-e-padres-ambientais-andam-lado-a-lado>

<sup>1361</sup> Subway in Belo Horizonte will be Privatized, Government of Brazil (Brasília) 8 September 2022. Translation provided by Google Translate. Access Date: 4 November 2022. <https://www.gov.br/en/government-of-brazil/latest-news/subway-in-belo-horizonte-will-be-privatized>



On 13 September 2022, the government finalized the construction of the canal that connects the Sao Francisco river to the Northeastern region.<sup>1362</sup> This new promised canal infrastructure will promote water security by bringing water to the Northeastern region.

Brazil has partially complied with its commitment to further collaboration between public and private sectors to mobilize capital for infrastructure investment. In accordance with the Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, the country has drafted few policies to facilitate public-private partnerships in infrastructure investment.

Thus, Brazil receives a score of 0.

*Analyst: Yuyang Jiang*

### **Canada: +1**

Canada has complied with its commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment. Canada has launched initiatives for projects resulting in public-private infrastructure development, particularly working through the Canada Infrastructure Bank.

On 10 November 2021, the Canadian Investment Bank (CIB) — a federal Crown Corporation of Canada — announced its partnership with the University Health Network to invest CAD19.3 million into creating the world's largest raw wastewater energy transfer system at Toronto Western Hospital.<sup>1363</sup> The project is the first of the CIB's Public Building Retrofits Initiative, which aims to bridge the commercial and economic gap in energy savings projects.

On 12 November 2021, the CIB announced its partnership with the Government of Alberta in building 10 irrigation districts and create 7,300 permanent jobs in the province. As part of Alberta's Recovery Plan, the partnership entails investing CAD933 million into the development of the irrigation projects, producing a CAD477 million increase in the province's GDP annually.<sup>1364</sup>

On 1 December 2021, the CIB announced its contribution to the Dream Group's 10 building retrofits in Ontario and Saskatchewan, which will be decarbonized and modernized.<sup>1365</sup> The investment comes as part of the CIB's Commercial Building Retrofits Initiative and aims to assist the Dream Group's aim to achieve net-zero carbon emissions by 2035.

On 19 November 2021, the CIB announced its agreement with the Bus Carriers Federation, entailing an investment of CAD400 million from both the CIB and the Ministry of Transport of Quebec into creating 4,000 zero-emission buses as part of Quebec's sustainable transit initiative.<sup>1366</sup> The agreement would allow bus operators to make purchases of one of the 4,000 zero-emission busses, subsequently

---

<sup>1362</sup> Brazil promotes water security, Government of Brazil (Brasilia) 13 September 2022. Translation provided by Google Translate. Access Date: 4 November 2022. <https://www.gov.br/en/government-of-brazil/latest-news/brazil-promotes-water-security>

<sup>1363</sup> Toronto Western Hospital Retrofit, Canadian Investment Bank (Toronto) 10 November 2021. Access Date: 16 June 2022. <https://cib-bic.ca/en/projects/green-infrastructure/toronto-western-hospital-retrofit/>

<sup>1364</sup> Investing In Irrigation, Farmers And Jobs, Canadian Investment Bank (Toronto) 12 November 2021. Access Date: 16 June 2022. <https://cib-bic.ca/en/medias/articles/investing-in-irrigation-farmers-and-jobs/>

<sup>1365</sup> One Of Canada's Most Innovative Real Estate Companies Announces A Bold Vision To Achieve Net Zero Emissions By 2035, Canadian Investment Bank (Toronto) 1 December 2021. Access Date: 16 June 2022. <https://cib-bic.ca/en/medias/articles/one-of-canadas-most-innovative-real-estate-companies-announces-a-bold-vision-to-achieve-net-zero-emissions-by-2035/>

<sup>1366</sup>The CIB To Invest \$400 Million Towards Zero-Emission School Buses In Quebec, Canadian Investment Bank (Toronto) 19 November 2021. Access Date: 16 June 2022. <https://cib-bic.ca/en/medias/articles/the-cib-to-invest-400-million-towards-zero-emission-school-buses-in-quebec/>

reducing greenhouse gas production by 81,000 tonnes per year and contributing to Canada's sustainable development infrastructure.

On 20 and 21 January 2022, Canada attended the first meeting of the G20 Infrastructure Working Group, where was discussed the enhanced role for infrastructure in the recovery from the Covid-19 pandemic, including through scaling up sustainable infrastructure by leveraging private sector participation.<sup>1367</sup>

On 4 April 2022, the CIB announced its partnership with the City of Brampton to invest CAD400 million to finance the acquisition of 450 zero-emission buses for the city, aiming to improve the city's sustainable energy infrastructure and reduce emissions by at least 51,750 tonnes annually.<sup>1368</sup>

On 6 April 2022, Deputy Prime Minister and Minister of Finance Chrystia Freeland announced that Canada will aim to invest CAD15 billion into The Canada Growth Fund for private investment into "new and green technologies," seeking to attract a private to public investment ratio of three to one.<sup>1369</sup> The fund will be used by Prime Minister Justin Trudeau's cabinet to fund environmental projects that would otherwise not get public support and will be eligible for usage by both international and domestic investors.

On 12 May 2022, the CIB announced it will be investing CAD136.6 million into the Dream Group's 19 development projects in Toronto and Saskatoon as part of its Commercial Building Retrofits Initiative and the Dream Group's aim to achieve net-zero carbon emissions by 2035.<sup>1370</sup> The investment aims to improve energy efficiency infrastructure in Canada and reduce building-related greenhouse gas emissions.

On 1 June 2022, the CIB announced its partnership with Tlingit Homeland Energy Partnership (Tlingit) to invest CAD80 million towards building a 9.2 megawatt hydroelectric facility and 93 kilometers of transmission lines to deliver clean power to the Yukon Territory.<sup>1371</sup> CIB's partnership with Tlingit, a company fully-owned by the Taky River Tlingit First Nations, would reduce greenhouse gas emissions by 29,500 tonnes annually and assist in closing the infrastructure gap and reliance on non-renewable energy sources for communities in the Yukon Territory.

On 15 June 2022, the CIB announced an investment of CAD50 million in Efficiency Capital's CAD62.5 million asset management platform, which invests into private sector energy efficiency and

---

<sup>1367</sup> The First G20 Infrastructure Working Group Meeting To Encourage Recovery of the World Economy, G20 Indonesia 2022 (Jakarta) 21 January 2022. Access Date: 5 June 2022. <https://g20.org/the-first-g20-infrastructure-working-group-meeting-to-encourage-recovery-of-the-world-economy/>

<sup>1368</sup> The CIB and City of Brampton achieve financial close on investment of up to \$400M towards zero-emission buses, Canadian Investment Bank (Toronto) 4 April 2022. Access Date: 16 June 2022. <https://cib-bic.ca/en/medias/articles/the-cib-and-city-of-brampton-achieve-financial-close-on-investment-of-up-to-400m-towards-zero-emission-buses/>

<sup>1369</sup> Exclusive Canada C\$15 bln fund to attract private investment in technologies – source, Reuters (London) 6 April 2022. Access Date: 16 June 2022. <https://www.reuters.com/world/americas/exclusive-canada-set-up-c15-bln-fund-attract-more-private-investment-source-2022-04-06/>

<sup>1370</sup> Dream kicks off ambitious net zero retrofit initiative, transforming 19 buildings into resilient landmarks, Canadian Investment Bank (Toronto) 12 May 2022. Access Date: 16 June 2022. <https://cib-bic.ca/en/medias/articles/dream-kicks-off-ambitious-net-zero-retrofit-initiative-transforming-19-buildings-into-resilient-landmarks/>

<sup>1371</sup> The CIB commits \$80 million towards New Atlin Hydroelectricity Expansion Project, Canadian Infrastructure Bank (Toronto) 1 June 2022. Access Date: 16 June 2022. <https://cib-bic.ca/en/medias/articles/cib-commits-80-million-towards-new-atlin-hydroelectricity-expansion-project/>

low-carbon retrofits.<sup>1372</sup> The investment is part of the CIB's Commercial Building Retrofit Initiative, which aims to improve energy efficiency infrastructure in Canada and reduce building-related greenhouse gas emissions.

On 20 June 2022, the CIB announced its partnership with Avenue Asset Living Management to commit CAD150 million to retrofitting sustainable, low-density residence buildings across Canada to decrease greenhouse gas emissions by 49 per cent.<sup>1373</sup>

On 21 June 2022, the CIB announced its partnership with Arrow Technology Group Limited Partnership (Arrow) to invest CAD10 billion into securing broadband infrastructure for Indigenous and rural communities in Alberta.<sup>1374</sup> With Arrow responsible for construction, installation, and maintenance of the service, the broadband technology would ensure secure internet access for 17 Indigenous and one rural community in Alberta, stepping closer to closing the infrastructure gap and providing total internet accessibility in Canada.

Canada has taken strong, explicit actions to promote public-private collaboration for infrastructure projects, particularly working through the Canada Infrastructure Bank and thereby adhering to its commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

Thus, Canada receives a score of +1.

*Analyst: Abigail Potter*

### **China: + 1**

China has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 5 January 2022, Vice Chairman of the National Development and Reform Commission Ning Jizhe signed the Implementation Plan of Jointly Building the Belt and Road Initiative between the Government of the People's Republic of China and the Government of the Kingdom of Morocco with the Moroccan Minister of Foreign Affairs, African Cooperation and Moroccan Expatriates Nasser Bourita.<sup>1375</sup> The Implementation Plan of Jointly Building the Belt and Road Initiative will develop the framework for increased bilateral cooperation in infrastructure construction.

On 6 February 2022, President Xi Jinping signed a memorandum of understanding with President Alberto Fernandez from Argentina on promoting the construction of the Belt and Road initiative which would include the guarantee of USD23.7 billion of financing for investment and infrastructure works.<sup>1376</sup>

---

<sup>1372</sup> New Investment Partnership with Efficiency Capital to Deliver Low-Carbon Solutions to Businesses and Building Owners Across Canada, Canadian Infrastructure Bank (Toronto) 15 June 2022. Access Date: 16 June 2022. <https://cib-bic.ca/en/medias/articles/new-investment-partnership-with-efficiency-capital-to-deliver-low-carbon-solutions-to-businesses-and-building-owners-across-canada/>.

<sup>1373</sup> CIB Commits \$120 Million to Avenue Living – the First REIT Addressing Multi-Family Residential Retrofits at Scale, Canadian Infrastructure Bank (Toronto) 20 June 2022. Access Date: 23 June 2022. <https://cib-bic.ca/en/medias/articles/cib-commits-120-million-to-avenue-living/>.

<sup>1374</sup> The CIB Invests \$10 million in New Broadband Infrastructure Serving Indigenous and Rural Alberta Communities, Canadian Infrastructure Bank (Toronto) 21 June 2022. Access Date: 23 June 2022. <https://cib-bic.ca/en/medias/articles/the-cib-invests-10-million-in-new-broadband-infrastructure-serving-indigenous-and-rural-alberta-communities/>.

<sup>1375</sup> Implementation Plan of Jointly Building the BRI between China and Morocco signed via video conference, National Development and Reform Commission (Beijing) 5 January 2022. Access Date: 19 May 2022. [https://en.ndrc.gov.cn/news/pressreleases/pressreleasespic/202201/t20220105\\_1311481.html](https://en.ndrc.gov.cn/news/pressreleases/pressreleasespic/202201/t20220105_1311481.html)

<sup>1376</sup> Argentina and China seal Silk Road deal, Deutsche Welle (Bonn) 6 February 2022. Access Date: 9 February 2022. <https://www.dw.com/en/argentina-and-china-seal-silk-road-deal/a-60679278>

The meeting also discussed the possibility of expanding local Argentinian participation in infrastructure investment projects. The goal is to enhance regional connectivity and to also promote and diversify Sino-Argentinian economic relations.<sup>1377</sup>

On 10 February 2022, the National Development and Reform Commission released guidelines on creating a green and modern environmental infrastructure system by 2030 with the assistance of private capital. The guidelines call for eligible environmental infrastructure projects to seek investment from real estate investment trusts, which will aid in pooling private and public capital.<sup>1378</sup> The guidelines also call for eligible companies to seek investment from the private sector to finance urban environmental projects.

On 3 May 2022, Vice Minister of Finance Xu Hongcai announced plans to issue RMB3.65 trillion in special local government bonds and emphasized these bonds as critical for infrastructure investment and development.<sup>1379</sup> The pooling of private capital through these bonds will assist in developing physical infrastructure such as road systems and digital infrastructure such as the construction of a 5G network and data centres.<sup>1380</sup>

On 29 June 2022, the State Council decided to issue up to RMB300 billion in financial bonds to replenish capital investments in infrastructure projects.<sup>1381</sup> The increased financial support for these infrastructure projects will close funding gaps and further increase socioeconomic development.

On 25 July 2022, the Ministry of Finance Public Private Partnership Center released its 2022 semi-annual report with data on private-public partnerships.<sup>1382</sup> In the first half of the year, 279 new private-public partnerships were recorded in the national database with an investment of RMB458.6 billion. This includes major investment in transportation and municipal engineering projects totalling RMB194.8 billion and RMB89.9 billion respectively.

China has fully complied with its commitment to further private-public infrastructure collaboration by developing new initiatives within the One Belt One Road framework and calling for the increased pooling of private savings to fund infrastructure initiatives.

Thus, China receives a score of +1.

*Analyst: Daniel Wang*

### **France: +1**

France has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

---

<sup>1377</sup> Joint Statement of the People's Republic of China and the Argentine Republic on Deepening China-Argentina Comprehensive Strategic Partnership (Full Text), Ministry of Foreign Affairs (Beijing) 6 February 2022. Translation provided by Google Translate. Access Date: 6 February 2022. [https://www.mfa.gov.cn/web/zyxw/202202/t20220206\\_10639419.shtml](https://www.mfa.gov.cn/web/zyxw/202202/t20220206_10639419.shtml)

<sup>1378</sup> More investments likely in environmental infra system by 2030, China News Service (Beijing) 11 February 2022. Access Date: 10 February 2022. <http://www.ecns.cn/news/2022-02-11/detail-ihavnavn5799475.shtml>

<sup>1379</sup> Special local bonds seen as key to recovery, China News Service (Beijing) 6 May 2022. Access Date: 19 May 2022. <http://www.ecns.cn/news/2022-05-06/detail-ihayamfc5315152.shtml>

<sup>1380</sup> Economic Watch: China revs up infrastructure investment to spur growth, Xinhua (Beijing) 28 April 2022. Access Date: 19 May 2022. [http://www.china.org.cn/china/Off\\_the\\_Wire/2022-04/28/content\\_78192674.htm](http://www.china.org.cn/china/Off_the_Wire/2022-04/28/content_78192674.htm)

<sup>1381</sup> China to step up financing support for major projects, Xinhua (Beijing) 1 July 2022. Access Date: 24 July 2022. [http://www.china.org.cn/china/2022-07/01/content\\_78299673.htm](http://www.china.org.cn/china/2022-07/01/content_78299673.htm)

<sup>1382</sup> [Exclusive] 2022 Semi-annual Report of the National PPP Comprehensive Information Platform Management Library Project, Ministry of Finance Private Public Partnership Center (Beijing) 25 July 2022. Translation provided by Google Translate. Access Date: 22 September 2022. <http://www.cpppc.org/en/opt/pmo/nfs/images/www/202207/29095352fiph.pdf>

On 12 January 2022, the European Investment Bank (EIB) released its EIB Investment Report of 2021/2022.<sup>1383</sup> The report acknowledged France as the largest recipient of EIB financing with EUR10 Billion provided for the private and public sectors.<sup>1384</sup> This sees an increase in French investment funding of which will continue to be allocated through 2022 and future development initiatives.<sup>1385</sup>

On 8 February 2022, Minister for the Economy, Finance and the Recovery Bruno Le Maire participated in the Ministerial Conference on Digital Sovereignty in relation to the 2021 French launched “Scale-Up Initiative.”<sup>1386</sup> This represents a continuation of the initiative which involves the cooperation of over 300 investors and researchers focused in the technological sector for the purpose of growing the French and European economies through public-private partnerships.<sup>1387</sup>

On 8 February 2022, France released a joint press statement with Germany, 16 other EU Member States, declaring investments into the public technology and research and development sectors.<sup>1388</sup> This initiative aims to increase the mobilization of private capital into the countries’ relative infrastructures and to that of Europe.

On 2 March 2022, France released further information on the France 2030 Initiative for increased investments with an initial endowment of EUR34 billion. This initiative will be undertaken between 2022 to 2027 with half of investment capital devoted to innovations in the public and private sectors and half to decarbonization in line with ongoing environmental endeavors.<sup>1389</sup> The French government launched a public consultation which will remain open until 1 April 2022 and aims to incorporate private funding and development into both public and private investment projects.<sup>1390</sup>

On 26 May 2022, France backed the South-African-created Just Energy Transition Partnership, additionally supported by the United Kingdom, the United States, Germany and the European Union who all pledged USD8.5 billion to South Africa and its transition away from carbon-intense electrical

---

<sup>1383</sup> EIB Investment Report 2021/2022, European Investment Bank (Luxembourg) 12 January 2022. Access Date: 11 February 2022. <https://www.eib.org/en/publications/investment-report-2021>.

<sup>1384</sup> Unprecedented mobilisation from the EIB Group in France in 2020 with investments just north of €10 billion, European Investment Bank (Luxembourg) 20 January 2021. Access Date: 11 February 2022. <https://www.eib.org/en/press/all/2021-025-mobilisation-sans-precedent-du-groupe-bei-en-france-en-2020-avec-un-peu-plus-de-10-milliards-d-euros-d-investissements?recommendation=1>

<sup>1385</sup> 2021 sees record levels of EIB Group activity in France with investments totalling almost €14 billion, European Investment Bank (Luxembourg) 31 January 2022. Access Date: 12 February 2022. <https://www.eib.org/en/press/all/2022-059-record-d-activite-du-groupe-bei-en-france-en-2021-avec-pres-de-14-milliards-d-eur-d-investissements>

<sup>1386</sup> Scale-up Europe Spurs Collective Action to Accelerate European Tech, French Presidency of the Council of the European Union (Paris) 7 February 2022. Access Date: 12 February 2022. <https://presidence-francaise.consilium.europa.eu/en/news/press-release-scale-up-europe-spurs-collective-action-to-accelerate-european-tech/>

<sup>1387</sup> Building Europe’s Digital Sovereignty, French Ministry for Europe and Foreign Affairs (Paris) 7 February 2022. Access Date: 11 February 2022. <https://www.diplomatie.gouv.fr/en/french-foreign-policy/europe/the-french-presidency-of-the-council-of-the-european-union/article/building-europe-s-digital-sovereignty-7-feb-22>

<sup>1388</sup> French Ministry for European and Foreign Affairs, Federal Ministry for Economic Affairs and Climate Action (Berlin) 8 February 2022. Access Date: 12 February 2022. <https://www.bmwi.de/Redaktion/EN/Pressemitteilungen/2022/02/20220208-germany-and-france-intend-to-commit-eur1-billion-each-for-new-european-tech-champions-initiative.html>

<sup>1389</sup> France 2030: The Prime Minister announces the deployment of actions to accelerate the decarbonization of French industry, General Secretariat for Investment (Paris) 2 March 2022. Translation provided by Google Translate. Access Date: 15 May 2022. <https://www.gouvernement.fr/france-2030-le-premier-ministre-annonce-le-deploiement-d-actions-pour-accelerer-la-decarbonation-de>

<sup>1390</sup> Bpifrance, A Key Operator In French Investment Plan “France 2030” (France) 22 February 2022. Access Date: 15 May 2022. <https://www.bpifrance.com/news-insights/bpifrance-a-key-operator-in-french-investment-plan-france-2030>

systems.<sup>1391</sup> To do so, the investment highlighted the indispensability of public-private partnerships in securing the transition and meeting South Africa's economic, environmental, and social infrastructure investment goals.

France has taken strong actions to spearhead new infrastructure initiatives that harness the capital assets of private sector actors, as well as public sector actors. Through increased funding for public-private development initiatives, the launch of a large-scale public-private partnership program and a joint declaration in partnership with other EU member states for the purpose of mobilizing private capital, France has fully complied with its commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

Thus, France receives a score of +1.

*Analyst: Ronnie Di Iorio*

### **Germany: +1**

Germany has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 20 December 2021, Minister Robert Habeck with the Federal Ministry for Economic Affairs and Climate Action selected 32 businesses to provide over EUR10 billion to support the growth of semiconductor production in Germany.<sup>1392</sup> This measure is in collaboration with "19 EU Member States and 90 alternate companies" and is referenced as an Important Project of Common European Interest.

On 1 January 2022, Germany announced its reformation of the German Ordinance of Critical Infrastructure under the Act on the Federal Office for Information Security.<sup>1393</sup> This measure will bind companies deemed critical to further state obligations.<sup>1394</sup>

On 8 February 2022, Germany released a joint press statement with France, 16 other EU Member States, declaring investments into the public technology and research and development sectors.<sup>1395</sup> This initiative aims to increase the mobilization of private capital into the countries' relative infrastructures and to that of Europe.

On 16 May 2022, BBGI Global Infrastructure S.A. undertook a significant investment in the A7 German Motorway; this was in collaboration with the public-private partnership between Bordesholm

---

<sup>1391</sup> Joint Statement of the Government of the Republic of South Africa and the African Development Bank in relation to South Africa's Just Energy Transition process, African Development Bank Group (Abidjan) 26 May 2022. Access Date: 16 June 2022. <https://www.afdb.org/en/news-and-events/press-releases/joint-statement-government-republic-south-africa-and-african-development-bank-relation-south-africas-just-energy-transition-process-51926>

<sup>1392</sup> Investment Strategy Press Release, Federal Ministry for Economic Affairs and Climate Action (Berlin) 20 December 2021. Access Date: 10 February 2022. <https://www.bmwi.de/Redaktion/EN/Pressemitteilungen/2021/12/20211220-32-microelectronics-projects-ready-to-take-off.html>

<sup>1393</sup> Germany Reforms Critical Infrastructure Ordinance with Significant Impact on FDI Rules, JD Spura (Berlin) 1 January 2022. Access Date: 11 February 2022. <https://www.jdsupra.com/legalnews/germany-reforms-critical-infrastructure-1622632/>

<sup>1394</sup> Broadened scope of Critical Infrastructure Regulation will increase FDI screening in Germany, White & Case (New York) 3 January 2022. Access Date: 12 February 2022. <https://www.whitecase.com/publications/alert/broadened-scope-critical-infrastructure-regulation-will-increase-fdi-screening>

<sup>1395</sup> Germany and France intend to commit €1 billion each for new European Tech Champions Initiative, German Federal Ministry for Economic Affairs and Climate Action (Berlin) 8 February 2022. Access Date: 12 February 2022. <https://www.bmwi.de/Redaktion/EN/Pressemitteilungen/2022/02/20220208-germany-and-france-intend-to-commit-eur1-billion-each-for-new-european-tech-champions-initiative.html>

and Hamburg regarding transit investment.<sup>1396</sup> The project aims to promote the amelioration of infrastructure in the region through the inflow of investment from public and private sources.<sup>1397</sup>

On 26 May 2022, Germany backed the South-African-created Just Energy Transition Partnership, additionally supported by the United Kingdom, the United States, France and the European Union who all pledged USD8.5 billion to South Africa and its transition away from carbon-intense electrical systems.<sup>1398</sup> To do so, the investment highlighted the indispensability of public-private partnerships in securing the transition and meeting South Africa's economic, environmental, and social infrastructure investment goals.

Germany has taken strong actions to spearhead new infrastructure initiatives that harness the capital assets of private sector actors, as well as public sector actors. Through increased public-private collaboration on semiconductor production, refurbishment and additions to the Critical Infrastructure Ordinance and a joint initiative with EU member states to mobilize public-private capital into infrastructure, Germany has fully complied with its commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

Thus, Germany receives a score of +1.

*Analyst: Ronnie Di Iorio*

### **India: 0**

India has partially complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment. In line with the G20 Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, it has taken a few steps to promote collaboration between private and public sectors to accrue capital for infrastructure

On 2 November 2021, Prime Minister Narendra Modi announced his support of the National Master Plan (GatiShakti)—a program that will coordinate infrastructure investments across 15 central ministries and various state governments. The plan aims to take existing project schemes and coordinate them with the necessary departments needed to achieve infrastructure goals. The plan will include support for development in inland waterways, dry/land ports, textile clusters, pharmaceutical clusters, defence corridors, electronic parks, industrial corridors, energy production, fishing clusters and agricultural zones. Further, Prime Minister Modi stated that the plan will institutionalize the planning process for stakeholders, allowing projects to be designed with a “common vision” rather than prior fragmented processes. Finally, the plan also contains steps to promote accessibility of data to stakeholders and potential investors, this is to be rooted in a GIS-based spatial planning system along with a monitoring mechanism with regular updates on project progress.<sup>1399</sup>

On 1 February 2022, India revealed a budget of USD529.7 billion in the coming year, primarily focusing on investments in infrastructure relating to highways and affordable housing. The new budget is aimed

---

<sup>1396</sup> BBGI Global Infrastructure invests in A7 German motorway, RealAssets.ipe (London) 16 May 2022. Access Date: 16 May 2022. <https://realassets.ipe.com/news/bbgi-global-infrastructure-invests-in-a7-german-motorway/10059913.article>

<sup>1397</sup> Acquisition of an interest in the A7 German motorway: First road project in Germany for the Company, in addition to its existing six projects in the country, Shares Magazine (London) 16 May 2022. Access Date: 16 May 2022. [https://www.sharesmagazine.co.uk/news/market/LSE20220516070005\\_4370431/acquisition-of-interest-in-german-motorway](https://www.sharesmagazine.co.uk/news/market/LSE20220516070005_4370431/acquisition-of-interest-in-german-motorway)

<sup>1398</sup> Joint Statement of the Government of the Republic of South Africa and the African Development Bank in relation to South Africa's Just Energy Transition process, African Development Bank Group (Abidjan) 26 May 2022. Access Date: 16 June 2022. <https://www.afdb.org/en/news-and-events/press-releases/joint-statement-government-republic-south-africa-and-african-development-bank-relation-south-africas-just-energy-transition-process-51926>

<sup>1399</sup> PM Gati Shakti - National Master Plan for Multi-modal Connectivity, Indian Government (New Delhi) 2 November 2021. Access Date: 22 February 2022. <https://www.india.gov.in/spotlight/pm-gati-shakti-national-master-plan-multi-modal-connectivity>.

at supporting economic recovery from the pandemic, where intensive capital expenditure on infrastructure projects is meant to crowd in private investment. Finance Minister Nirmala Sitharaman stated that INR200 billion has been granted for a national highway expansion plan, and more than 400 energy efficient trains are set to be manufactured for use. Additionally, the minister also announced that the central bank will introduce a blockchain based digital currency as well as other innovations to enhance the digital economy. This strategy is meant to be fully mobilized by the 2023 fiscal year, with aims to encourage private capital through government support of necessary infrastructure and investment opportunities.<sup>1400</sup>

On 18 February 2022, Prime Minister Modi launched 100 agricultural drones that carried out various farm related operations. The development came as part of India's plan to expand the agriculture sector, specifically, through the commercial use of drones and other aerial vehicles. The government plans to lead this motion through providing grants for the use of farm drones in state-run institutions, as drone hiring centres and companies will receive special funding. The government states that the plan and allotted budget will create public-private partnerships for needed high tech farm services.<sup>1401</sup>

On 1 May 2022, the United Arab Emirates announced an investment of USD100 billion in India across various sectors.<sup>1402</sup> The agreement came as part of the India-UAE Economic Partnership Summit, in which both countries committed to expanding trade and using the funding to develop infrastructure to maximize economic activity.

On 24 May 2022, at the Quad Joint Leaders' meeting comprised of Prime Minister Anthony Albanese of Australia, Prime Minister Narendra Modi of India, Prime Minister Fumio Kishida of Japan, and President Joe Biden, the leaders reaffirmed their commitment to improving infrastructure the Indo-Pacific region through public and private partnerships.<sup>1403</sup> To do so, the four leaders pledged USD50 billion to infrastructure assistance and investment to the region over five years.

On 2 August 2022, Prime Minister Modi participated in a meeting with Maldives President Ibrahim Mohamed Solih to strengthen their partnership in various bilateral infrastructure projects.<sup>1404</sup> The leaders examined the progress made thus far on the contract between National Buildings Construction Cooperation under India's Ministry of Housing and Urban Affairs and JMC Projects to build 4000 social housing units in Hulhumale. Further, India-Maldives cooperation concerning Addu roads and Mosque restoration projects were reviewed by the leaders. A memorandum of understanding was signed between the Ministry of Finance in Maldives and India's Exim bank during this meeting for the financing of police infrastructure in the Maldives.

India has partially complied with its commitment to further collaboration between public and private sectors to mobilize capital for infrastructure investment. In accordance with the Roadmap for

---

<sup>1400</sup> India unveils higher spending for infrastructure in growth budget, Reuters (London) 1 February 2022. Access Date: 22 February 2022. <https://www.reuters.com/markets/europe/view-india-unveils-higher-spending-infrastructure-growth-budget-2022-02-01/>.

<sup>1401</sup> Modi launches 100 agricultural drones across the country, Hindustan Times (New Delhi) 19 February 2022. Access Date: 24 February 2022. <https://www.hindustantimes.com/india-news/modi-launches-100-agricultural-drones-across-the-country-101645294860662.html>.

<sup>1402</sup> UAE to invest \$100bn in India, Middle East Monitor (London) 16 May 2022. Access Date: 16 May 2022. <https://www.middleeastmonitor.com/20220516-uae-to-invest-100bn-in-india/>.

<sup>1403</sup> Quad Joint Leaders' Statement, The White House Briefing Room (Washington D.C.) 24 May 2022. Access Date: 16 June 2022. <https://www.whitehouse.gov/briefing-room/statements-releases/2022/05/24/quad-joint-leaders-statement/>

<sup>1404</sup> India, Maldives sign MoUs on infrastructure deals, review earlier projects, Asian News International (New Delhi). 2 Aug 2022. Access Date 7 Aug 2022. <https://www.aninews.in/news/world/asia/india-maldives-sign-mous-on-infrastructure-deals-review-earlier-projects20220802194149/>.



Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, the country has drafted few policies to facilitate public-private partnerships in infrastructure investment.

Thus, India receives a score of 0.

*Analysts: Firaz Khan and Rachel Gam*

### **Indonesia: +1**

Indonesia has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment. In line with the G20 Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, it has taken many steps to promote collaboration between private and public sectors to accrue capital for infrastructure.

On 15 November 2021, Indonesia signed onto the Regional Comprehensive Economic Partnership (RCEP) along with Australia, New Zealand, China, Japan and Korea, which are also members of the Association of Southeast Asian Nations.<sup>1405</sup> RCEP is “the largest regional trading block agreement in the world,” covering approximately 30 per cent of world GDP, world foreign direct investment and population.<sup>1406</sup> The agreement calls for the elimination of tariffs among signatories, specifically a 65 per cent cut upon entry-into-force, with gradual cuts up to 92 per cent. Coordinating Minister for the Economy Airlangga Hartarto listed the benefits of the RCEP agreement to Indonesia as “certainty and uniformity of trade rules, a more conducive investment climate, increased business opportunities for goods, services and investment, and strengthening integration into the Regional Value Chain.” RCEP member countries already form the majority of Indonesia’s exports and imports, and 72 per cent of its inward direct investment. RCEP was an initiative of Indonesia in 2011, though the country has yet to fully ratify the agreement despite most other signatories having done so already, due to lingering protectionist concerns. The agreement is projected to be ratified in Indonesia in the first quarter of 2022.

On 7 December 2021, the House of Representatives passed the Central and Regional Governments Financial Relations Bill into law. Director General of Fiscal Balance at the Finance Ministry Astera Primanto Bhakti stated that “the law aimed to increase the regional fiscal capacity, improve the quality of regional spending, and harmonize regional fiscal policies.”<sup>1407</sup> The tools for achieving these goals, provided by the law, include the establishment of a more equitable revenue sharing fund for inter-regional transfers, and decentralization of taxation powers to local governments while still promoting harmonization of central and regional fiscal policies.

On 10 January 2022, Minister of Transportation Budi Karya Sumadi encouraged cargo transportation development at Kertajati Airport, expressing plans to transform the airport into a central hub for aircraft maintenance activities and logistics.<sup>1408</sup> He submitted a request that calls for “centralizing the aircraft fleet owned by the government to carry out aircraft maintenance at Kertajati Airport” along with a package of

---

<sup>1405</sup> With RCEP Agreement Signed, Eyes Turn to Interactions Among Trade Deals in the Asia-Pacific Region, International Institute for Sustainable Development (Winnipeg) 25 November 2021. Access Date: 15 February 2022. <https://sdg.iisd.org/commentary/policy-briefs/with-rcep-agreement-signed-eyes-turn-to-interactions-among-trade-deals-in-the-asia-pacific-region/>

<sup>1406</sup> Indonesia Signs RCEP Agreement Makes Investment More Attractive, Halaman Utama VOI (Jakarta) 2 January 2022. Access Date: 15 February 2022. <https://voi.id/en/economy/119807/indonesia-signs-rcep-agreement-makes-investment-more-attractive>

<sup>1407</sup> HKPD Law supports total reform of regional fund transfers: Ministry, Antara News (Jakarta) 15 December 2021. Access Date: 10 February 2022. <https://en.antaranews.com/news/204621/hkpd-law-supports-total-reform-of-regional-fund-transfers-ministry>

<sup>1408</sup> Minister of Transportation Budi Karya Encourages Development of Cargo Transportation at Kertajati Airport, Halaman Utama VOI (Jakarta) 10 January 2022. Access Date: 10 February 2022. <https://voi.id/en/news/122265/minister-of-transportation-budi-karya-encourages-development-of-cargo-transportation-at-kertajati-airport>

other reforms, such as exemptions on import duties and landing fees, to realize such goals. He also emphasized the necessity of marketing to investors the competitive advantages of the airport, namely its ability to accommodate wide-body aircraft, to facilitate private involvement in development.

On 18 January 2022, the Capital City Bill was signed into law, marking the initiation of development towards Indonesia's new capital, Nusantara, in the East Kalimantan province.<sup>1409</sup> This new capital city was set to replace Jakarta by early 2024, to relieve congestion in the current capital—congestion alone costing over USD6 billion annually—and encourage investment outside the island of Java. Projected construction costs for Nusantara sit at around USD35 billion, spanning an area “roughly three times the size of New York City.” Smart city planning to boost efficiencies in government service provision, maritime infrastructure development to encourage lower logistics costs and industrial activity, and a sizeable renewable energy mix, are the key stated guidelines in the construction of Nusantara. Public-private partnership will be essential for funding, with the government planning on covering just under 60 per cent of construction costs.

On 22 January 2022, President Widodo pledged “the elimination of extreme poverty and stunting in Indonesia by 2024” according to the Deputy for Coordination of Social Welfare Improvement at the Coordinating Ministry for Human Development and Culture.<sup>1410</sup> In accordance with these stated goals, including the heightening of inter-regional connectivity for which is necessary to ensure these goals are met, the Public Works and Public Housing Ministry's Regional Infrastructure Development Agency has announced the undertaking of infrastructure interventions in villages across Indonesia. Tabulated data across agencies, specifically from the National Population and Family Planning Agency, are being integrated to target and prioritize villages that are in most need of basic services and related infrastructure investment.

On 24 January 2022, the Coordinating Minister for Maritime Affairs and Investment Luhut Binsar Pandjaitan announced the construction of a new container port in the Batam Free Trade Zone and Free Port, located just opposite to Singapore.<sup>1411</sup> He pointed out how Indonesia's logistic needs alone account for 23 per cent of costs, much higher than neighboring countries where costs hover at around 13 per cent. He stated plans to decrease costs to 17 per cent by 2024. The port is planned to be highly digitized and eco-friendly. Importantly, Minister Sumadi of the Transportation Ministry said that his ministry has “opened opportunities for the private sector as wide as possible through the construction of ports” by delegating their role to inviting foreign investors together with regional-owned enterprises, with the government handling regulatory affairs in “creating the time frame and study.”

On 26 January 2022, Minister Sumadi encouraged the completion of the Bintan Baru International Airport by 2023, as part of a drive by the Transportation Ministry to develop broadly geographically distributed industrial and tourism sectors. Minister Sumadi unveiled that its development was through the Government and Business Entity Cooperation scheme, a public-private partnership. He further encouraged collaboration with international business actors “who have the ability to move foreign tourists to come to Bintan.”<sup>1412</sup>

---

<sup>1409</sup> Indonesia Passes Bill to Build New Capital City: Deadline 2024, ASEAN Briefing (Kowloon) 25 January 2022. Access Date: 10 February 2022. <https://www.aseanbriefing.com/news/indonesia-passes-bill-to-build-new-capital-city-deadline-2024/>

<sup>1410</sup> Ministry plans infrastructure interventions to handle extreme poverty, Antara News (Jakarta) 22 January 2022. Access Date: 10 February 2022. <https://en.antaranews.com/news/211101/ministry-plans-infrastructure-interventions-to-handle-extreme-poverty>

<sup>1411</sup> Indonesia plans to build container port in Batam, Antara News (Jakarta) 24 January 2022. Access Date: 10 February 2022. <https://en.antaranews.com/news/211433/indonesia-plans-to-build-container-port-in-batam>

<sup>1412</sup> Budi Karya Targets Bintan Airport to Be Completed by 2023, Warta Ekonomi (Jakarta) 27 January 2022. Translation provided by Microsoft Translator. Access Date: 10 February 2022. <https://wartaekonomi.co.id/read389438/budi-karya-targetkan-bandara-bintan-rampung-pada-2023>

On 27 January 2022, President Widodo made a wide range of declarations at the virtual B20 Inception Meeting, inviting “the G20 and B20 to collaborate to create breakthroughs and concrete actions to make great contributions to the global economic recovery,” ahead of Indonesia’s G20 Presidency.<sup>1413</sup> He urged collaboration on transitioning to a green economy, building a digital economy infrastructure, and improving on global health architecture. He outlined the role of Indonesia’s plentiful nickel, bauxite, tin and copper reserves in supplying the world’s green energy demands, conditional on these resources being exported as value-added products (either finished or semi-finished). He encouraged the private sector in Indonesia to invest in a green energy transition through an early retirement program for steam power plants, and in electric car factories to drive decarbonization in the transportation sector. President Widodo emphasized investment in digital platforms for micro small and medium enterprises to market their products, raising bandwidth capacity through the construction of transpacific undersea telecoms cables, and developing a domestic semiconductor industry. He prioritized investment in the health sector to meet domestic needs first and foremost, especially in innovation and development of vaccines and medical equipment. For achieving these declarations, President Widodo emphasized to attendees that “we must display global public and private partnerships to provide global solutions.”

On 16 March 2022, a memorandum of understanding was signed between the Swiss-Indonesian Chamber of Commerce and the Investment Coordinating Board aimed to accelerate trade and investment between Switzerland and Indonesia.<sup>1414</sup> The memorandum of understanding covers a three-year horizon with plans for liaising on issues such as “investment policies, foreign direct investment, and knowledge transfer.”

On 12 May 2022, President Widodo received a courtesy call from CEO Seifi Ghasemi of American multinational and S&P 500 member corporation Air Products and Chemicals.<sup>1415</sup> This follows a memorandum of understanding made with Air Products back in November 2021. In the talks it was stated that USD7 billion has so far been realized for Air Products’ investment plan in Indonesia, from a total of USD15 billion. Most of this investment is concentrated in dimethyl ether and methanol production—key inputs to industrial gas production—through projects in West and Central Java provinces, with the remainder allocated to establishing a hydrogen industry powered by state-owned dams.

On 15 May 2022, President Widodo flew to Boca Chica, Texas to meet with Tesla and SpaceX founder Elon Musk.<sup>1416</sup> Widodo discussed “potential investments, innovations, and technology” with Musk in regard to Indonesia and future opportunities for collaboration. Musk commented on “the great potential” Indonesia possesses, not only in its abundance of crucial resources for supplying the production of electric vehicles, but also by its large domestic consumer/labor base and economic growth that make the country an attractive business partner.

---

<sup>1413</sup> Remarks of President of the Republic of Indonesia During the Opening of B20 Inception Meeting (Virtually), Bogor Presidential Palace, West Java Province, January 27, 2022, Cabinet Secretariat of the Republic of Indonesia (Jakarta) 27 January 2022. Access Date: 10 February 2022. <https://setkab.go.id/en/remarks-of-president-of-the-republic-of-indonesia-during-the-opening-of-b20-inception-meeting-virtually-bogor-presidential-palace-west-java-province-january-27-2022/>

<sup>1414</sup> Indonesia, Switzerland sign MoU on trade, investment, The Jakarta Post (Jakarta) 16 March 2022. Access Date: 5 June 2022. <https://www.thejakartapost.com/business/2022/03/16/indonesia-switzerland-sign-mou-on-trade-investment.html>

<sup>1415</sup> Indonesia, US Air Products Committed to Implementing Investment Plan, Cabinet Secretariat of the Republic of Indonesia (Jakarta) 12 May 2022. Access Date: 17 May 2022. <https://setkab.go.id/en/indonesia-us-air-products-committed-to-implementing-investment-plan/>

<sup>1416</sup> President Jokowi Visits SpaceX, Cabinet Secretariat of the Republic of Indonesia (Jakarta) 15 May 2022. Access Date: 17 May 2022. <https://setkab.go.id/en/president-jokowi-visits-spacex/>

On 2 July 2022, Indonesia signed a comprehensive economic partnership agreement (CEPA) with the United Arab Emirates (UAE).<sup>1417</sup> The pact intends to increase both annual bilateral trade and investment to USD10 billion each within five years through mutual removal of barriers to trade and investment. Trade barriers will be removed for a larger list of goods and services, with the UAE obtaining “immediate duty-free access to Indonesia” on over 80 per cent of its exports.

On 31 August 2022, a local affiliate of the wholly state-owned Chinese corporation Power Construction Corp. of China commenced construction for the USD17 billion Kayan Cascade project as part of China’s Belt and Road Initiative.<sup>1418</sup> The project is expected to generate a combined hydroelectric power capacity of 9-gigawatts across five dams. The project is set to be a major force in Indonesia’s goals of achieving more evenly-distributed economic growth, creating more value-added domestic production, and becoming a net-zero carbon society by 2060.

On 1 September 2022, President Widodo launched the “first 5G Smart Mining in Southeast Asia” for PT Freeport Indonesia, one of the world’s largest gold and copper mining companies.<sup>1419</sup> The project was done in partnership with PT Freeport Indonesia and state-owned telecommunication provider Telkom Group.

Indonesia has fully complied with its commitment to further collaboration between public and private sectors to mobilize capital for infrastructure investment. In accordance with the Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, the country has drafted policies to facilitate public-private partnerships in infrastructure investment, whilst encouraging opportunities to accrue private capital for further projects.

Thus, Indonesia receives a score of +1.

*Analyst: Reshad Mubtasim-Fuad*

### **Italy: 0**

Italy has partially complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 1 November 2021, Prime Minister Mario Draghi stressed the importance and called on multilateral development banks and the World Bank to leverage risks on investments of infrastructures with the private sector during 26th Conference to the Parties of the United Nations Framework Convention on Climate Change. Prime Minister Draghi suggested that a task force is supposed to be summoned to help on advancing innovative technology as an alternative in reducing carbon emission in support of the previous initiative.

On 30 November 2021, Prime Minister Draghi expressed that public sector and companies should collaborate more on sharing possible risks in research and development of infrastructure, especially when it comes to promising technologies with high fixed costs and the requirement of continuing investments, while he spoke about the National Recovery and Resilience Plan (NRRP).<sup>1420</sup> The NRRP

---

<sup>1417</sup> UAE, Indonesia sign comprehensive economic partnership agreement, Gulf Business (Dubai) 2 July 2022. Access Date: 26 July 2022. <https://gulfbusiness.com/uae-indonesia-sign-comprehensive-economic-partnership-agreement/>.

<sup>1418</sup> China pushes ahead with Indonesia’s largest hydro-plant project, Nikkei Asia (Tokyo) 31 August 2022. Access Date: 12 September 2022. <https://asia.nikkei.com/Business/Energy/China-pushes-ahead-with-Indonesia-s-largest-hydro-plant-project/>.

<sup>1419</sup> President Jokowi Launches First 5G Mining Technology in Southeast Asia, Cabinet Secretariat of the Republic of Indonesia (Jakarta) 1 September 2022. Access Date: 12 September 2022. <https://setkab.go.id/en/president-jokowi-launches-first-5g-mining-technology-in-southeast-asia/>.

<sup>1420</sup> Italy’s National Recovery and Resilience Plan, European Parliament (Brussels) March 2022. Access Date: 5 June 2022. [https://www.europarl.europa.eu/RegData/etudes/BRIE/2021/698847/EPRS\\_BRI\(2021\)698847\\_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/BRIE/2021/698847/EPRS_BRI(2021)698847_EN.pdf).

is Italy's post-pandemic reform and relief package to help further transform Italy's economic structure, infrastructure by the opportunity of post-pandemic recovery.

On 23 December 2021, Italy forwarded its first progress report to its parliament regarding the NRRP, which contained its targets and milestones for 2021 regarding the NRRP.<sup>1421</sup> As listed in the Plan, Italy's third major investment plan aimed to allocate EUR11 billion towards the investment into a high-speed rail network. The rail expansion project brings value by connecting the north and south with 274 kilometres of new railway lines and contributes to Italy's goal of investing in infrastructure for sustainable mobility.

On 28 February 2022, a positive preliminary assessment of Italy's request for the financing of EUR21 billion in grants and loans, which is to be invested into its Recovery and Resilience Plan, was delivered by the European Commission in Brussels.<sup>1422</sup> The approved financing of the country's Recovery and Resilience Plan would allow for Italy to enhance its business environment and public administration, making a movement in completing investment projects for both private and public sectors.

On 16 May 2022, Ferrovie dello Stato Italiane presented the 2022-20231 industrial plan, supported by an investment plan worth EUR190 billion.<sup>1423</sup> The long-term vision focuses on restructuring rail transport, establishing a collaborative and sustainable multimodal transport network, doubling the rail freight transport shares, and self-producing 40 per cent of the FS Group's energy from renewable sources by 2031.<sup>1424</sup> The plan will allow funding for rail infrastructure projects, narrowing the gap between the north and the south of the peninsula.

On 5 July 2022, the European Commission and the Italian national promotional institution, Cassa Depositi e Prestiti (CDP) signed a 6.7 million euros agreement for advisory support to infrastructure and social investment projects. CDP provides project advisory in market development and financial intermediaries, contributing to improved quality of projects, including the "Sustainable Infrastructure Window" and "Social Investment and Skills Window."<sup>1425</sup> The project aims to strengthen and expand the access to infrastructure development and private resources, operations in social and public infrastructure, transport, energy and innovation.

On 14 September 2022, the Ministry for Infrastructure and Sustainable Mobility and the Next Generation EU-backed National Recovery and Resilience Plan (NRRP) pledged EUR100 billion over the next ten years.<sup>1426</sup> This money is to be spent on infrastructure projects.

Italy has partially complied with its commitment to further collaboration between public and private sectors to mobilize private capital for infrastructure investment. The country has called for more

---

<sup>1421</sup> Italy's National Recovery and Resilience Plan, European Parliament (Brussels) March 2022. Access Date: 5 June 2022. [https://www.europarl.europa.eu/RegData/etudes/BRIE/2021/698847/EPRS\\_BRI\(2021\)698847\\_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/BRIE/2021/698847/EPRS_BRI(2021)698847_EN.pdf).

<sup>1422</sup> Italy's National Recovery and Resilience Plan, European Parliament (Brussels) March 2022. Access Date: 5 June 2022. [https://www.europarl.europa.eu/RegData/etudes/BRIE/2021/698847/EPRS\\_BRI\(2021\)698847\\_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/BRIE/2021/698847/EPRS_BRI(2021)698847_EN.pdf).

<sup>1423</sup> Italy invests 160 billion in infrastructure, a 'true gamechanger,' Rail Freight (England). 17 May 2022. Access Date: 13 September 2022. <https://www.railfreight.com/policy/2022/05/17/italy-invests-160-billion-in-infrastructure-a-true-gamechanger/?gdpr=accept>.

<sup>1424</sup> A new era for Italian rail infrastructure?, Railtech.com (Netherlands). 30 May, 2022. Access Date: 13 September 2022. <https://www.railtech.com/infrastructure/2022/05/30/a-new-era-for-italian-rail-infrastructure/?gdpr=accept>.

<sup>1425</sup> InvestEU: the European Commission and Italian Cassa Depositi e Prestiti sign the first European Advisory Agreement, Cassa Depositi e Prestiti (Turin). 5 July 2022. Access Date: 7 July 2022. [https://www.cdp.it/sitointernet/page/en/investeu\\_the\\_european\\_commission\\_and\\_italian\\_cassa\\_depositi\\_e\\_prestiti\\_sign\\_the\\_first\\_european\\_advisory\\_agreement?contentId=CSA39441](https://www.cdp.it/sitointernet/page/en/investeu_the_european_commission_and_italian_cassa_depositi_e_prestiti_sign_the_first_european_advisory_agreement?contentId=CSA39441)

<sup>1426</sup> The 100 billion Euro in investments to rebuild Italy infrastructure, We Build Value (Rome) 14 September 2022.

Access Date: 4 November 2022. <https://www.webuildvalue.com/en/global-economy-sustainability/italy-infrastructure-investment-100-billion.html>

cooperation between the public and private sectors on the matter of sharing investment risks and on closing the infrastructure gap, but a concrete action plan and its execution are lacking to promote the desired outcome.

Thus, Italy receives a score of 0.

*Analysts: Charlie Lecheng Zeng and Chaewon Kang*

### **Japan: +1**

Japan has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 24 November 2021, Minister of Land, Infrastructure, Transport and Tourism Tetsuo Saito signed a memorandum of cooperation with Filipino Acting Secretary of Public Works and Highways Roger G. Mercado on further strengthening cooperation in the tunnel sector through technical cooperation, sharing of management skills, business support for expressway companies and the planning of workshops.<sup>1427</sup> This initiative will further cooperation on the construction, operation and maintenance of road tunnel systems between Japan and the Philippines.

On 14 February 2022, the Ministry of Land, Infrastructure, Transport and Tourism held a meeting with a business and management subcommittee to discuss future infrastructure construction and management systems to maintain and renew existing social capital.<sup>1428</sup> The goal is to create a system that continuously provides safe domestic infrastructure services.

On 18 February 2022, the Ministry of Land, Infrastructure, Transport and Tourism called for the first round of applications in a new public-private partnership agreement.<sup>1429</sup> This agreement will assist in improving, maintaining and renewing necessary infrastructure and promote economic growth by utilizing private capital.

On 25 February 2022, the Ministry of Land, Infrastructure, Transport and Tourism held a meeting with the Indian Ministry of Road Transport and Highways to share technical expertise on constructing and maintaining road systems near slopes.<sup>1430</sup> This meeting reaffirms commitments to technical cooperation on infrastructure between Japan and India.

On 1 March 2022, the Ministry of Land, Infrastructure, Transport and Tourism held a seminar with Japanese and Turkish construction companies to promote overseas infrastructure development in

---

<sup>1427</sup> Cooperation on Construction and O&M (Operation and Maintenance) of Road Tunnels and Related Facilities between Japan and the Philippines ~Strengthening Cooperation in the Tunnel sector as the Groundbreaking of Davao Tunnel, Ministry of Land, Infrastructure, Transport and Tourism (Tokyo) 25 November 2021. Access Date: 12 February 2022. [https://www.mlit.go.jp/en/report/press/road01\\_hh\\_000002.html](https://www.mlit.go.jp/en/report/press/road01_hh_000002.html)

<sup>1428</sup> Holding of "Council for Business and Management Subcommittee on Future Construction Production and Management System to Fulfill Orderer Responsibilities," Ministry of Land, Infrastructure, Transport and Tourism (Tokyo) 8 February 2022. Translation provided by Google Translate. Access Date: 9 February 2022. [https://www.mlit.go.jp/report/press/kanbo08\\_hh\\_000863.html](https://www.mlit.go.jp/report/press/kanbo08_hh_000863.html)

<sup>1429</sup> We are now accepting applications for PPP agreement partners! -Promotion of PPP/PFI through public-private partnerships-, Ministry of Land, Infrastructure, Transport and Tourism (Tokyo) 18 February 2022. Translation provided by Google Translate. Access Date: 17 May 2022. [https://www.mlit.go.jp/report/press/sogo21\\_hh\\_000177.html](https://www.mlit.go.jp/report/press/sogo21_hh_000177.html)

<sup>1430</sup> The 7th Japan-India Road Meeting (Report) ---Technological Exchange between Japan and India in the Roads Sector ---, Ministry of Land, Infrastructure, Transport and Tourism (Tokyo) 28 February 2022. Access Date: 17 May 2022. [https://www.mlit.go.jp/report/press/sogo21\\_hh\\_000177.html](https://www.mlit.go.jp/report/press/sogo21_hh_000177.html)

Central Asia and Africa.<sup>1431</sup> The seminar provided information to construction companies on investment and business cooperation opportunities for infrastructure in these regions.

On 19 March 2022, the Minister of Land, Infrastructure, Transport and Tourism Tetsuo Saito signed a memorandum of cooperation with Indian Minister of Housing and Urban Affairs Haldeep Singh Puri to promote cooperation in developing urban flood management systems and smart cities.<sup>1432</sup> This initiative is a new addition to a previously signed memorandum of cooperation.

On 11 April 2022, the Ministry of Land, Infrastructure, Transport and Tourism called for the second round of applications in a new public-private partnership agreement.<sup>1433</sup> These projects will focus on assisting local governments with infrastructure maintenance.

On 24 May 2022, at the Quad Joint Leaders' meeting comprised of Prime Minister Anthony Albanese of Australia, Prime Minister Narendra Modi of India, Prime Minister Fumio Kishida of Japan, and President Joe Biden, the leaders reaffirmed their commitment to improving infrastructure the Indo-Pacific region through public and private partnerships.<sup>1434</sup> To do so, the four leaders pledged USD50 billion to infrastructure assistance and investment to the region over five years.

On 16 August 2022, the Ministry of Land, Infrastructure, Transport and Tourism announced the establishment of a public-private partnership platform to share technical information and cooperate on railway decarbonisation.<sup>1435</sup> The Ministry of Land, Infrastructure, Transport and Tourism plans to hold a seminar where several railway stakeholders present and discuss efforts and technologies concerning railway decarbonisation.

Japan has fully complied with its commitment to further private-public infrastructure collaboration by creating initiatives to share technical expertise and promote cooperation between the private and the public sector.

Thus, Japan receives a score of +1.

*Analyst: Daniel Wang*

---

<sup>1431</sup> We hold online seminars and business matching on cooperation between Japanese and Turkish construction companies in third countries! ~Recruiting participating companies~, Ministry of Land, Infrastructure, Transport and Tourism (Tokyo) 17 February 2022. Translation provided by Google Translate. Access Date: 18 May 2022. [https://www.mlit.go.jp/report/press/tochi\\_fudousan\\_kensetsugyo03\\_hh\\_000001\\_00027.html](https://www.mlit.go.jp/report/press/tochi_fudousan_kensetsugyo03_hh_000001_00027.html)

<sup>1432</sup> Expanding the field of cooperation between India and urban development -Minister of Land, Infrastructure, Transport and Tourism and Minister of Housing and Urban Affairs of India sign memorandum of understanding-, Ministry of Land, Infrastructure, Transport and Tourism (Tokyo) 15 April 2022. Translation provided by Google Translate. Access Date: 18 May 2022. [https://www.mlit.go.jp/report/press/sogo07\\_hh\\_000638.html](https://www.mlit.go.jp/report/press/sogo07_hh_000638.html)

<sup>1433</sup> Reiwa 4th fiscal year PPP/PFI promotion project recruitment (second) -Supporting efforts for the introduction of public-private partnership projects in local public organizations, etc.-, Ministry of Land, Infrastructure, Transport and Tourism (Tokyo) 11 April 2022. Translation provided by Google Translate. Access Date: 18 May 2022. [https://www.mlit.go.jp/report/press/sogo21\\_hh\\_000177.html](https://www.mlit.go.jp/report/press/sogo21_hh_000177.html)

<sup>1434</sup> Quad Joint Leaders' Statement, The White House Briefing Room (Washington D.C.) 24 May 2022. Access Date: 16 June 2022. <https://www.whitehouse.gov/briefing-room/statements-releases/2022/05/24/quad-joint-leaders-statement/>.

<sup>1435</sup> Recruiting members for the "Railway Decarbonization Public-Private Partnership Platform"! ~Let's think about the future of railway decarbonization together~, Ministry of Land, Infrastructure, Transport and Tourism (Tokyo) 16 August 2022. Translation provided by Google Translate. Access Date: 19 August 2022. [https://www.mlit.go.jp/report/press/tetsudo01\\_hh\\_000178.html](https://www.mlit.go.jp/report/press/tetsudo01_hh_000178.html)

**Korea: 0**

Korea has partially complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment. While infrastructure investment itself remains high, public and private partnerships seem to be uncommon.

On 4 November 2021, the Ministry of Land, Infrastructure, and Transport (MOLIT) announced in partnership with Korea Land and Housing Corporation that they will provide smart technologies to deliver personalized care to the elderly living in permanent rental housing.<sup>1436</sup>

On 29 November 2021, MOLIT announced that the Boryeong Undersea Tunnel will open to the public early December.<sup>1437</sup> With a projected cost of KRW488.1 billion and a total length of 6.9 kilometers, the tunnel is now the longest undersea tunnel in Korea and the fifth longest in the world.

On 19 January 2021, MOLIT and the Korea Real Estate Board announced the opening of a “PropTech Village” that will provide working space for start-up companies in the new real property industry.<sup>1438</sup> Such support is expected to relieve the economic burden of start-ups and establish a foundation for growth in the real estate industry.

On 21 May 2022, President Yoon Suk Yeol welcomed President Joe Biden to Korea as part of his anticipated trip to East Asia.<sup>1439</sup> As part of a joint statement issued by both presidents, they agreed to utilize their comparative advantage to enhance public-private cooperation in the development of the technology sector, reaffirming their commitment to furthering collaboration between public and private sectors.

While infrastructure development itself remains considerable in Korea, we see only partial emphasis towards public and public partnerships. In accordance with the Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, government and corporate cooperation seems limited in infrastructure development.

Thus, Korea receives a score of 0.

*Analysts: Ricky Kyung Min Kim and Émilie Sauriol*

---

<sup>1436</sup> Using Technology to Reach Out and Care, Ministry of Land, Infrastructure, and Transport (Seoul) 4 November 2021. Access Date: 11 February 2022. [https://www.molit.go.kr/english/USR/BORD0201/m\\_28286/DTL.jsp?id=eng0301&cate=&mode=view&idx=2993&key=&search=&search\\_regdate\\_s=&search\\_regdate\\_e=&order=&desc=asc&srch\\_prc\\_stts=&item\\_num=0&search\\_dept\\_id=&search\\_dept\\_nm=&srch\\_usr\\_nm=N&srch\\_usr\\_titl=N&srch\\_usr\\_ctnt=N&srch\\_mng\\_nm=N&old\\_dept\\_nm=&search\\_gbn=&search\\_section=&source=&search1=&lcmspage=4](https://www.molit.go.kr/english/USR/BORD0201/m_28286/DTL.jsp?id=eng0301&cate=&mode=view&idx=2993&key=&search=&search_regdate_s=&search_regdate_e=&order=&desc=asc&srch_prc_stts=&item_num=0&search_dept_id=&search_dept_nm=&srch_usr_nm=N&srch_usr_titl=N&srch_usr_ctnt=N&srch_mng_nm=N&old_dept_nm=&search_gbn=&search_section=&source=&search1=&lcmspage=4)

<sup>1437</sup> Korea’s Longest Undersea Tunnel to be unveiled on 1 December, Ministry of Land, Infrastructure, and Transport (Seoul) 29 November 2021. Access Date: 11 February 2022. [https://www.molit.go.kr/english/USR/BORD0201/m\\_28286/DTL.jsp?id=eng0301&cate=&mode=view&idx=2999&key=&search=&search\\_regdate\\_s=&search\\_regdate\\_e=&order=&desc=asc&srch\\_prc\\_stts=&item\\_num=0&search\\_dept\\_id=&search\\_dept\\_nm=&srch\\_usr\\_nm=N&srch\\_usr\\_titl=N&srch\\_usr\\_ctnt=N&srch\\_mng\\_nm=N&old\\_dept\\_nm=&search\\_gbn=&search\\_section=&source=&search1=&lcmspage=3](https://www.molit.go.kr/english/USR/BORD0201/m_28286/DTL.jsp?id=eng0301&cate=&mode=view&idx=2999&key=&search=&search_regdate_s=&search_regdate_e=&order=&desc=asc&srch_prc_stts=&item_num=0&search_dept_id=&search_dept_nm=&srch_usr_nm=N&srch_usr_titl=N&srch_usr_ctnt=N&srch_mng_nm=N&old_dept_nm=&search_gbn=&search_section=&source=&search1=&lcmspage=3)

<sup>1438</sup> Fostering a New Real Estate Industry, The Opening of the PropTech Village, Ministry of Land, Infrastructure, and Transport (Seoul) 19 January 2022. Access Date: 11 February 2022. [https://www.molit.go.kr/english/USR/BORD0201/m\\_28286/DTL.jsp?id=eng0301&cate=&mode=view&idx=3007&key=&search=&search\\_regdate\\_s=&search\\_regdate\\_e=&order=&desc=asc&srch\\_prc\\_stts=&item\\_num=0&search\\_dept\\_id=&search\\_dept\\_nm=&srch\\_usr\\_nm=N&srch\\_usr\\_titl=N&srch\\_usr\\_ctnt=N&srch\\_mng\\_nm=N&old\\_dept\\_nm=&search\\_gbn=&search\\_section=&source=&search1=&lcmspage=1](https://www.molit.go.kr/english/USR/BORD0201/m_28286/DTL.jsp?id=eng0301&cate=&mode=view&idx=3007&key=&search=&search_regdate_s=&search_regdate_e=&order=&desc=asc&srch_prc_stts=&item_num=0&search_dept_id=&search_dept_nm=&srch_usr_nm=N&srch_usr_titl=N&srch_usr_ctnt=N&srch_mng_nm=N&old_dept_nm=&search_gbn=&search_section=&source=&search1=&lcmspage=1)

<sup>1439</sup> United-States-Republic of Korea Leaders’ Joint Statements, The White House Briefing Room (Washington D.C.) 21 May 2022. Access Date: 16 June 2022. <https://www.whitehouse.gov/briefing-room/statements-releases/2022/05/21/united-states-republic-of-korea-leaders-joint-statement/>



## **Mexico: +1**

Mexico has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 14 December 2021, the Ministry of Economy unveiled its “Invest in Mexico” platform, which aims to grant investors with executive and strategic statistical information and specialized advice and contacts with relevant institutions.<sup>1440</sup> The Ministry emphasized that the platform is meant to promote the government’s economic objectives of digital infrastructure expansion, as the platform allows the Ministry to directly attend to investing companies and provide transparency in investment relevant information.

On 3 February 2022, Secretary of the Economy Tatiana Carillo affirmed Mexico’s 2022 Economic Reactivation Plan, stating the critical role of development banks Infonavit and Cofepris in financing national infrastructural projects to revitalize the economy.<sup>1441</sup> Further, she mentioned the Ministry of Tourism’s goals for coordinating investment with the private sector on 18 infrastructural projects. Moreover, she stated that the government is working on major policies related to the promotion of investment, with business leaders, global companies, foreign chambers and embassies.

On 7 March 2022, the Ministry of Agriculture and Rural Development, the Inter-American Institute for Cooperation on Agriculture and the Food and Agriculture Organization stated goals to construct innovation and linkage structures for small scale producers and women producers from marginalized communities.<sup>1442</sup> The coordinated effort will work closely with local agricultural producers, seeking to establish infrastructure such as roads and other transport mechanisms needed to diversify agri-food exports and link small-scale producers to larger value chains and production.

On 22 March 2022, the Ministry of Economy launched the Invest in Mexico Business Center to procure foreign investment in the country.<sup>1443</sup> The Center will provide investors with economic and commercial intelligence information, rapprochement with Mexican agencies and authorities and connections to local companies and suppliers. The Ministry aims to increase investment by providing personalized support to investors, and encouraging connectivity between local firms and agencies, and foreign investors.

On 29 March 2022, Mexico’s pension regulator Consar stated improvements to funding systems for small-scale infrastructure projects.<sup>1444</sup> The regulator explained that fund managers conventionally do not find smaller projects attractive, hence, smaller projects must be grouped into a larger bundle of

---

<sup>1440</sup> The Ministry of Economy presents Invest in Mexico: the first digital platform to provide attention to investors, Ministry of Economy (Mexico City) 14 December 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.gob.mx/se/es/articulos/la-secretaria-de-economia-presenta-invest-in-mexico-primera-plataforma-digital-para-brindar-atencion-a-inversionistas-290544?idiom=es>

<sup>1441</sup> Message from the Secretary of the Economy, Tatiana Clouthier Carrillo, at a press conference on the 2022 Economic Reactivation Plan, Ministry of Economy (Mexico City) 3 February 2022. Translation provided by Google Translate. Access Date: 11 February 2022. <https://www.gob.mx/se/prensa/mensaje-de-la-secretaria-de-economia-tatiana-clouthier-carrillo-en-conferencia-de-prensa-sobre-el-plan-de-reactivacion-economica-2022?idiom=es>

<sup>1442</sup> Agriculture and international organizations will develop impact projects in rural areas, Ministry of Agriculture and Rural Development (Mexico City) 7 March 2022. Translation provided by Google Translate. Access Date: 10 May 2022. <https://www.gob.mx/agricultura/prensa/desarrollaran-agricultura-y-organismos-internacionales-proyectos-de-impacto-en-zonas-rurales?idiom=es>

<sup>1443</sup> Ministry of Economy launches the "Invest in Mexico" Business Center in Executive Tower, Ministry of Economy (Mexico City) 22 March 2022. Translation provided by Google Translate. Access Date: 10 May 2022. <https://www.gob.mx/se/articulos/secretaria-de-economia-pone-en-marcha-el-centro-de-negocios-invest-in-mexico-en-torre-ejecutiva-297424?idiom=es>

<sup>1444</sup> Mexico looks to promote pension fund investments in small infrastructure projects, Bnamericas (Santiago) 29 March 2022. Access Date: 10 May 2022. <https://www.bnamericas.com/en/news/mexico-looks-to-promote-pension-fund-investments-in-small-infrastructure-projects>

MXN500 million to attract investment. Therefore, smaller scale social development projects in areas such as water infrastructure, sewerage, and roads, can also receive funding, as these projects will be grouped into a larger investment project.

On 20 April 2022, the Secretariat of Agrarian, Territorial, and Urban Development announced six infrastructure projects in the state of Guerrero.<sup>1445</sup> The projects will target community infrastructure through the construction of new community development centers, sports centers, municipal buildings, and other public spaces within a budget of MXN597 million. Furthermore, the Secretariat also stated intentions to collaborate with the National Housing Commission and the private sector, to invest MXN850 million into expanding and building homes for families in Guerrero.

On 9 May 2022, the Secretariat of Agrarian, Territorial, and Urban Development proclaimed the completion of five infrastructure projects assigned by the Urban Improvement program, in marginalized communities in Merida.<sup>1446</sup> The projects saw the construction of community development centers, education centers, houses, nurseries, and libraries, within a budget of MXN104 million.

On 11 May 2022, the Secretariat of Agrarian, Territorial, and Urban Development announced nine infrastructure projects in Atlatlahucan, Puente de Ixtla and Temixco with an investment of MXN337 million.<sup>1447</sup> The projects will improve community infrastructure including recreational spaces and road networks, to achieve the Urban Improvement program's objectives of renovating infrastructure for marginalized communities.

On 21 May 2022, President Obrador announced that eight municipalities in Sonora and four in Chihuahua, will receive over MXN50 million pesos in funding for new roads.<sup>1448</sup> Municipal authorities are encouraged to organize with businesses, trade unions, and locals, to build roads and revitalize local economies.

On 14 July 2022, President Obrador revealed an investment of USD40 billion dollars into Mexican energy infrastructure.<sup>1449</sup> The investment comes from the US private sector, which aims to enhance Mexican crude oil extraction capabilities, in partnership with national oil company Pemex. The investment will also go towards pipelines, liquefaction and fertilizer plants. Obrador stated that the

---

<sup>1445</sup> Sedatu starts urban improvement works in Chilpancingo and Iguala; more than 597 million pesos will be invested, Secretariat of Agrarian, Territorial, and Urban Development (Mexico City) 20 April 2022. Translation provided by Google Translate. Access Date: 10 May 2022. <https://www.gob.mx/sedatu/prensa/sedatu-arranca-obras-de-mejoramiento-urbano-en-chilpancingo-e-igual-se-invertiran-mas-de-597-mdp?idiom=es>

<sup>1446</sup> Sedatu delivers urban improvement works in marginalized neighborhoods of Mérida, Secretariat of Agrarian, Territorial, and Urban Development (Mexico City) 9 May 2022. Translation provided by Google Translate. Access Date: 12 May 2022. <https://www.gob.mx/sedatu/prensa/sedatu-entrega-obras-de-mejoramiento-urbano-en-colonias-marginadas-de-merida?idiom=es>

<sup>1447</sup> Sedatu begins urban improvement works in three municipalities of Morelos; more than 337 million pesos will be invested, Secretariat of Agrarian, Territorial, and Urban Development (Mexico City) 11 May 2022. Translation provided by Google Translate. Access Date: 12 May 2022. <https://www.gob.mx/sedatu/prensa/sedatu-inicia-obras-de-mejoramiento-urbano-en-tres-municipios-de-morelos-se-invertiran-mas-de-337-mdp?idiom=es>

<sup>1448</sup> Municipalities of the Sierra de Sonora and Chihuahua will receive a direct budget for roads, Presidency of the Republic (Mexico City) 21 May 2022. Translation provided by Google Translate. Access Date: 17 July 2022. <https://www.gob.mx/presidencia/prensa/municipios-de-la-sierra-de-sonora-y-chihuahua-recibiran-presupuesto-directo-para-caminos-presidente?idiom=es>.

<sup>1449</sup> Mexico agrees to US private investment for 40 billion dollars in the energy sector, Presidency of the Republic (Mexico City). 14 July 2022. Translation provided by Google Translate. Access Date: 17 July 2022. <https://www.gob.mx/presidencia/prensa/mexico-pacta-inversion-privada-estadounidense-por-40-mil-mdd-en-sector-energetico-presidente?idiom=es>.

foreign investment is a sign of more to come, as he plans to procure more investments for Mexico's productive industries.

On 4 August 2022, Mexico's Federal Commission of Electricity (CFE) and TC Energy consolidated a strategic partnership to provide millions of Mexicans with increased access to clean energy.<sup>1450</sup> The partnership will enable the construction of the Southeast Gateway Pipeline, a 715-kilometer natural gas pipeline that will supply energy to central and southeast Mexico. The CFE applauded the motion between government and the private sector, as the construction will expand the state's goal of providing affordable energy.

On 24 October 2022, California Governor Gavin Newsom announced the state of California and the government of Mexico's partnership to create a new San Diego-Tijuana Port of Entry.<sup>1451</sup> This partnership will create more infrastructure for the bordering towns.

Mexico has fully complied with its commitment to further collaboration between public and private sectors to mobilize capital for infrastructure investment. In accordance with the Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, the country has drafted policies to facilitate public-private partnerships in infrastructure investment, whilst encouraging opportunities to accrue private capital for further projects.

Thus, Mexico receives a score of +1.

*Analyst: Firaz Khan*

#### **Russia: +1**

Russia has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 19 January 2022, Russia provided a status update to the World Bank Group's private participation in infrastructure (PPI) database on its Tomsk airport terminal development project, which is a private PPI investment project in the transport sector.<sup>1452</sup> The PPI is a Brownfield project—one that allows a private entity to take over an existing asset and invest in rehabilitating it—sponsored by NOVAVIND, AO, an architectural and engineering services company located in Moscow. There has been no public disclosure of this contract and no disclosed information on the total amount of government investment, but the airport is expected to have a capacity of 750,000 people.

On 22 January 2022, Russia provided a status update to the World Bank Group's PPI database on its Dagestan 15 million watts wind plant development project, which is a private PPI investment project in the energy sector.<sup>1453</sup> The PPI is a Greenfield project—public-private partnership that collaborates

---

<sup>1450</sup> TC Energy and Mexico's Comisión Federal de Electricidad announce a first-of-its-kind strategic partnership to develop world-class energy infrastructure in Mexico, Yahoo Finance, (New York). 4 August 2022. Access Date: 7 August 2022. [https://finance.yahoo.com/news/tc-energy-mexicos-comisi-n-201600101.html?guccounter=1&guce\\_referrer=aHR0cHM6Ly93d3cuZ29vZ2xlLmNvbS8&guce\\_referrer\\_sig=AQAAAGQIU2lqOzmogBcS\\_QyldyDWaymsVwx\\_4JEWCS07d-v7-ExxwqNhr7ry1uNmtMrjLfiDpKhrt1Rp\\_-CQw1pqSkatMsOz2GRLiSlzuLmJFrQV6oydzoVxC2oTE5mYJASD2QTILEu8q7lfJw5UG20mMBeDOrh37zbHBjPxtnd4IF6W](https://finance.yahoo.com/news/tc-energy-mexicos-comisi-n-201600101.html?guccounter=1&guce_referrer=aHR0cHM6Ly93d3cuZ29vZ2xlLmNvbS8&guce_referrer_sig=AQAAAGQIU2lqOzmogBcS_QyldyDWaymsVwx_4JEWCS07d-v7-ExxwqNhr7ry1uNmtMrjLfiDpKhrt1Rp_-CQw1pqSkatMsOz2GRLiSlzuLmJFrQV6oydzoVxC2oTE5mYJASD2QTILEu8q7lfJw5UG20mMBeDOrh37zbHBjPxtnd4IF6W)

<sup>1451</sup> Governor Newsom Announces Binational Partnership with Mexico to Advance New Port of Entry at San Diego-Tijuana Border, Office of Governor (Sacramento) 24 October 2022. Access Date: 4 November 2022. <https://www.gov.ca.gov/2022/10/24/governor-newsom-announces-binational-partnership-with-mexico-to-advance-new-port-of-entry-at-san-diego-tijuana-border/>

<sup>1452</sup> Tomsk airport terminal, Private Participation in Infrastructure (PPI) – World Bank Group (Washington D.C.) 19 January 2022. Access Date: 16 June 2022. <https://ppi.worldbank.org/en/snapshots/project/Tomsk-airport-terminal-11162>.

<sup>1453</sup> Dagestan 15 MW wind plant, Private Participation in Infrastructure (PPI) – World Bank Group (Washington D.C.) 22 January 2022. Access Date: 16 June 2022. <https://ppi.worldbank.org/en/snapshots/project/Dagestan-15-MW-wind-plant-11183>.

to build infrastructure project and the private entity is responsible for finances and operations—sponsored by the Hevel Group, a solar energy company. There has been no public disclosure of this contract and no disclosed information on the total amount of government investment.

On 16 June 2022, at the St. Petersburg Economic Forum, the State atomic Energy Corporation Rosatom signed an agreement of intentions with the Republic of Sakha to organize and promote projects based on the SHELF-M reactor.<sup>1454</sup> The projects will aim to use the reactor to build 10 million watts nuclear power plants to provide residents in remote areas without energy or transportation infrastructure with a reliable source of electricity. The projects will be implemented under the program operated by the Development of Equipment, Technologies and Scientific Research in the Field of Nuclear Energy Use until 2024.

Russia has fully complied with the commitment to “develop further the collaboration between the public and private investors to mobilise private capital.” Russia has taken efforts to promote the mobilisation of the private sector alongside public funding as a means of supporting the development of infrastructure in particular in both geographic regions and industries of the economy identified as possessing the potential for significant development and modernisation.

Thus, Russia receives a score of +1.

*Analyst: Daniel Yihan Mao*

### **Saudi Arabia: +1**

Saudi Arabia has with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment. In line with the G20 Roadmap for Infrastructure as an Asset Class and the G20 Infrastructure Investors Dialogue, it has taken many steps to promote collaboration between private and public sectors to accrue capital for infrastructure.

On 10 December 2021, Saudi Global Ports (SGP), backed by the Saudi government’s sovereign wealth vehicle the Public Investment Fund (PIF), was awarded a concession to “help double Riyadh Dry Port’s handling capacity to 1.5 million containers a year by 2030.”<sup>1455</sup> SGP will work with the Saudi Railway Company – a state-owned railway company operating over 2,750 kilometers of track – to enhance connectivity between the dry port and container terminals in Dammam Seaport. Furthermore, SGP plans on investing in technologies “such as automation and a unified digital platform,” procuring new equipment and improving existing civil infrastructure to better meet connectivity goals. SGP is operated by PSA International, a Singaporean logistics company with experience in port operations in Antwerp and Singapore, ultimately winning the concession after a public-private tendering process overseen by the Saudi government’s Privatization Supervisory Committee.

On 14 December 2021, the Saudi Water Partnership Company, wholly owned by the Ministry of Finance, invited developers to submit expressions of interest (EOI) for construction of a planned independent water transmission pipeline (IWTP).<sup>1456</sup> The pipeline, known as the Rayis-Rabigh IWTP, is set to operate at a capacity of 900,000 cubic meters per day, stretching a total length of 100 kilometers. As was the case for a couple previously announced IWTP projects spanning several thousand kilometers across Saudi Arabia, the Rayis-Rabigh IWTP project will operate under a public-private

---

<sup>1454</sup> ROSATOM and Republic of Sakha (Yakutia) Plan to Build Small NPP with SHELF-M Reactor, ROSATOM (Moscow) 16 June 2022. Access Date: 16 June 2022. <https://www.rosatom.ru/en/press-centre/news/rosatom-and-republic-of-sakha-yakutia-plan-to-build-small-npp-with-shelf-m-reactor/>

<sup>1455</sup> Saudi Global Ports ink deal to double Riyadh Dry Port Capacity, Arab News (Riyadh) 10 December 2021. Access Date: 23 February 2022. <https://www.arabnews.com/node/1984681/business-economy>

<sup>1456</sup> National Water Strategy. Ministry of Environment, Water & Agriculture (Riyadh) 22 August 2019. Access Date: 23 February 2022. <https://www.mewa.gov.sa/en/Ministry/Agencies/TheWaterAgency/Topics/Pages/Strategy.aspx>

partnership model.<sup>1457</sup> These IWTP projects are in accordance with the Saudi National Water Strategy 2030, set to mitigate “high transmission costs of pumping water from the coasts to inland” and decrease reliance on non-renewable ground water sources – instead focusing on infrastructure investment in desalination plants and IWTPs for urban consumption and agriculture.<sup>1458</sup>

On 28 December 2021, the Ministry of Health announced the launch of the expression of interest for the development of two medical cities in Saudi Arabia, the King Faisal Medical City in Abha, and the Prince Mohammad bin Abdul Aziz Medical City in Sakaka. The dedicated medical cities are set to boost bed capacity by 1,024, mainly serving Saudi Arabia’s southern regions. Construction responsibilities and provision of health services are to be undertaken by the private sector “according to modern healthcare models.” This project is in accordance with Vision 2030’s stated goals of “increasing its contribution in providing healthcare services, improving infrastructure and managing health facilities.”<sup>1459</sup>

On 10 January 2022, the National Center for Privatization and PPP Board of Directors implemented new regulations to the Private Sector Participation Law enacted early 2021, hereby referred to as the “Regulation.” The Regulation has added principles “that should be taken in to consideration in implementing projects,” being of “fairness, transparency, contract enforcement, planning and feasibility.”<sup>1460</sup> This includes a commitment to avoiding conflicts of interest, and closely monitoring project execution, hoped to “increase the number of projects, speed up procedures, and mitigate risks.” Furthermore, a minimum project value of public assets to be set aside for privatization have been stipulated by the Regulation, at a value of SAR50 million, with senior leadership positions reserved for Saudi nationals. The Regulation is in accordance with Vision 2030’s stated goals in “unlocking state-owned assets to the private sector and privatizing selected government services” to grow the private sector share of gross domestic product.

On 11 January 2022, the Saudi Ports Authority (Mawani) announced the launch of the Requests for Qualification (RFQ) phase for “the award of eight multi-purpose terminal concessions across eight commercial and industrial ports in Saudi Arabia.”<sup>1461</sup> Open to international and local investors, the concessions aim to provide services related to “the handling of General Cargo, RoRo, Bulk, Containers and Livestock” under a public-private partnership model of “Build, Operate and Transfer.” This is in accordance with Vision 2030’s stated goals in becoming an international logistical hub.

On 13 January 2022, ACWA Power, Saudi Arabia’s national utility provider, announced the “start of operations at Rabigh Three Co. IWP, the largest independent water desalination plant.”<sup>1462</sup> ACWA

---

<sup>1457</sup> The Saudi Water Partnership Company (SWPC) has invited developers to submit requests for qualification (RFQ) for the project to develop a water transmission pipeline under a public-private partnership (PPP) model, Energy & Utilities (London) 14 December 2021. Access Date: 23 February 2022. <https://energy-utilities.com/saudi-arabia-invites-prequalification-for-rayis-news115675.html>

<sup>1458</sup> National Water Strategy. Ministry of Environment, Water & Agriculture (Riyadh) 22 August 2019. Access Date: 23 February 2022. <https://www.mewa.gov.sa/en/Ministry/Agencies/TheWaterAgency/Topics/Pages/Strategy.aspx>

<sup>1459</sup> Launch of EOI for Medical Cities Project to Serve Northern and Southern Regions of Saudi Arabia, National Center for Privatization & PPP (Riyadh) 28 December 2021. Access Date: 23 February 2022. [https://www.ncp.gov.sa/en/MediaCenter/News/Pages/Medical\\_Cities\\_EOI.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/Medical_Cities_EOI.aspx)

<sup>1460</sup> NCP Board Approves PSP Law Implementing Regulations, National Center for Privatization & PPP (Riyadh) 11 January 2022. Access Date: 23 February 2022. [https://www.ncp.gov.sa/en/MediaCenter/News/Pages/PSP\\_Law\\_Implementing\\_Regulations.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/PSP_Law_Implementing_Regulations.aspx)

<sup>1461</sup> Mawani in cooperation with NCP launches the RFQ phase for Priority Concessions Procurement PPP Project, National Center for Privatization & PPP (Riyadh) 11 January 2022. Access Date: 23 February 2022. [https://www.ncp.gov.sa/en/MediaCenter/News/Pages/RFQ\\_MAWANI\\_Priority\\_Terminal\\_Concessions.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/RFQ_MAWANI_Priority_Terminal_Concessions.aspx)

<sup>1462</sup> Saudi ACWA Power commences operations of largest water desalination plant, Arab News (Riyadh) 13 January 2022. Access Date: 23 February 2022. <https://www.arabnews.com/node/2003501/business-economy>

Power owns a 70 percent stake in the desalination plant, located in Rabigh, Saudi Arabia, and it is set to operate a capacity of 600,000 cubic meters per day.

On 16 January 2022, the Ministry of Health announced the launch of the EOI for the “Clinical and non-Clinical operations and maintenance of the SABIC Behavioral Care Specialist Hospital Project,” located in North Riyadh’s Al-Nargis district. This hospital project is designed to provide high-quality specialized mental health care and substance addiction treatment for adults and adolescents of both genders, in line with international best practice. SABIC, or the Saudi Basic Industries Corporation, is a subsidiary of Saudi Aramco, with 70 percent of its shares owned by Aramco. SABIC had exclusivity rights as a provider of services, medical and non-medical equipment to the hospital, though with this announcement the Saudi government is opening the provision of such goods and services to the private sector. This will happen under a public-private partnership model. This is in accordance with Vision 2030’s stated goals of “increasing private sector participation in the healthcare sector.”<sup>1463</sup>

On 25 January 2022, the Shuqaiq 3 desalination plant, located in the southwestern province of Jizan, was inaugurated.<sup>1464</sup> Taking over 9 million man-hours to complete, Shuqaiq 3 is an energy-efficient desalination plant that uses experimental “pure reverse osmosis technology.” It is set to supply over 150 gegalitres of high-quality water annually with a capacity of 450,000 cubic meters per day, meeting the demands of nearly 4 million people in the Asir and Jizan provinces. The project occurred under a public-private partnership model, ultimately awarded to a consortium led by Almar Water Solutions (through Abdul Latif Jameel Enterprises) that invested nearly USD600 million. Deputy President and Vice-Chairman Fady Jameel of Abdul Latif Jameel Enterprises stated belief that the project was in accordance with Vision 2030’s goals through “offering present and future generations the chance to help drive greater water security.”

On 30 January 2022, the Saudi British Bank, operating under the supervision and control of the Saudi Arabian Monetary Authority, announced its commitment to “its role in achieving the goals of Vision 2030 by strengthening its strategic partnerships with government institutions and supporting initiatives and projects aimed at achieving sustainable development.”<sup>1465</sup> The commitment was announced at the fifth session of the Riyadh Industrialists Council. This is in accordance with Vision 2030’s Financial Sector Development Program, launched in 2017, aimed to “enable financial institutions to support the growth of the private sector, develop an advanced capital market and to boost and enable financial planning.”<sup>1466</sup> Firms engaging in digital transformation initiatives were specifically targeted to receive support by the bank.<sup>1467</sup>

On 2 February 2022, the Ministry of Human Resources and Social Development announced the launch of the EOI for the development of social care homes within Riyadh and Jeddah, to support up to 559

---

<sup>1463</sup> Expression of Interests for SABIC Behavioral Care Specialist Hospital Project, National Center for Privatization & PPP (Riyadh). 16 January 2022. Access Date: 23 February 2022. [https://www.ncp.gov.sa/en/MediaCenter/News/Pages/SABIC\\_Hospital\\_EOI.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/SABIC_Hospital_EOI.aspx).

<sup>1464</sup> The Shuqaiq 3 desalination plant in Saudi Arabia has been inaugurated, Smart Water Magazine (Madrid) 22 January 2022. Access Date: 23 February 2022. <https://smartwatermagazine.com/news/almar-water-solutions/shuqaiq-3-desalination-plant-saudi-arabia-has-been-inaugurated>.

<sup>1465</sup> SABB sponsors 5th Riyadh Industrialists Council, Arab News (Riyadh) 30 January 2022. Access Date: 23 February 2022. <https://www.arabnews.com/node/2015011/corporate-news>.

<sup>1466</sup> Financial Sector Development Program, Government of Saudi Arabia: Vision 2030 (Riyadh) 2017. Access Date: 23 February 2022. <https://www.vision2030.gov.sa/v2030/vrps/fsdp/>.

<sup>1467</sup> SABB sponsors 5th Riyadh Industrialists Council, Arab News (Riyadh) 30 January 2022. Access Date: 23 February 2022. <https://www.arabnews.com/node/2015011/corporate-news>.

individuals with “varying degrees of disabilities.”<sup>1468</sup> The development project is operating under a public-private partnership model of “Purchase-Finance-Maintain-Operate-Transfer.” This is in accordance with Vision 2030’s stated goals of shifting the government’s role as a service provider to a service regulator.

On 7 February 2022, the Ministry of Communications and Information Technology signed a cooperation agreement with Saudi-based company Quantum Switch Tamasuk for the purpose of developing new data centers with a capacity of 300MW.<sup>1469</sup> The company will aim to construct a 60MW data facility each year for the next five years.<sup>1470</sup> The data centers will play an important role in both incentivizing hyperscale customers into the country and hosting digital infrastructure for the Saudi public sector.<sup>1471</sup>

On 24 February 2022, the Saudi government’s KSrelief, the country’s official humanitarian aid organization, agreed to “dig 241 surface wells in Niger to help provide water for around 629,000 people,” about three per cent of Niger’s population.<sup>1472</sup> The aims of this program are to prevent “diseases caused by polluted water” and improve “supplies for agricultural and livestock farming.”

On 8 March 2022, the Tax and Customs Authority announced the launch of the RFQ phase for the development of a logistics zone for the Jadeedah Arar port project, located on the Saudi-Iraq border.<sup>1473</sup> The development project is operating under a public-private partnership model of “Design, Build, Finance, Operate and Transfer.” This logistics zone project is stated to enable Saudi access to Iraqi markets and strengthen bilateral trade and economic exchange. Warehouses, gas stations, parking lots, retail stores, and manufacturing/housing units for port workers are set to be developed over a one-million-square meter area. This is in accordance with Vision 2030’s stated goals of “strengthening logistical capabilities and increasing the contributions of the private sector in providing and supporting strategic projects.”

On 17 March 2022, the Minister of Transport and Logistics Saleh Bin Nasser Al-Jasser inaugurated Saudi Arabia’s Railway Industrial Opportunities Forum, unveiling economic opportunities exceeding SAR1 billion towards the railway industry, dedicated to developing railway infrastructure through public-private partnerships.<sup>1474</sup> This investment is set to “open up the market to new operators, and increase the private sector’s participation in freight operations, train passenger trips, and assets.” These plans are in alignment with long-term goals to increase domestic railroad coverage by over 8,000

---

<sup>1468</sup> MHRSD Launches EOI for Social Care Homes for Individuals with Disabilities PPP Project, National Center for Privatization & PPP (Riyadh) 6 February 2022. Access Date: 23 February 2022.

[https://www.ncp.gov.sa/en/MediaCenter/News/Pages/Social\\_Care\\_Homes\\_EOI.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/Social_Care_Homes_EOI.aspx)

<sup>1469</sup> QST signs deal with Saudi Ministry of Communications to develop 300MW of data centers, Data Center Dynamics (London) 7 February 2022. Access Date: 18 August 2022. <https://www.datacenterdynamics.com/en/news/qst-signs-deal-with-saudi-ministry-of-communications-to-develop-300mw-of-data-centers/>.

<sup>1470</sup> QST signs deal with Saudi Ministry of Communications to develop 300MW of data centers, Data Center Dynamics (London) 7 February 2022. Access Date: 18 August 2022. <https://www.datacenterdynamics.com/en/news/qst-signs-deal-with-saudi-ministry-of-communications-to-develop-300mw-of-data-centers/>.

<sup>1471</sup> QST signs deal with Saudi Ministry of Communications to develop 300MW of data centers, Data Center Dynamics (London) 7 February 2022. Access Date: 18 August 2022. <https://www.datacenterdynamics.com/en/news/qst-signs-deal-with-saudi-ministry-of-communications-to-develop-300mw-of-data-centers/>.

<sup>1472</sup> KSrelief signs deal to dig 241 wells in Niger, Arab News (Riyadh) 24 February 2022. Access Date: 24 February 2022. <https://www.arabnews.com/node/2030741/saudi-arabia>

<sup>1473</sup> ZATCA Announces the Start of the Qualification Phase for the Jadeedah Arar Port Project in Cooperation with NCP, National Center for Privatization & PPP (Riyadh) 8 March 2022. Access Date: 17 May 2022. [https://www.ncp.gov.sa/en/MediaCenter/News/Pages/RFQ\\_Jadeedah\\_Arar\\_Port.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/RFQ_Jadeedah_Arar_Port.aspx)

<sup>1474</sup> Saudi Railway Forum unveils \$266m economic opportunities, Arab News (Riyadh) 17 March 2022. Access Date: 17 May 2022. <https://www.arabnews.com/node/2044456/business-economy>

kilometers of track, and “achieve local and regional connection, double transport capacity, and adopt modern technology to reduce the environmental impact of transport.”

On 21 March 2022, the Saudi Ports Authority announced the launch of the EOI for “marine services projects for eight major commercial and industrial Saudi ports.”<sup>1475</sup> A competitive procurement process is planned to award long-term agreements to experienced private sector companies. Agreement terms include “basic marine services such as anchorage, pilotage, towage, berthing and unberthing and mooring” in addition to pollution control and emergency service provision. This is in accordance with Vision 2030’s stated goals of positioning the Kingdom as an international logistical hub.

On 16 May 2022, the Saudi Export-Import Bank, the state export credit agency, launched its strategic plan for 2022 to 2026, focused on expanding Saudi non-oil exports through closing financial gaps and reducing export risks.<sup>1476</sup> In particular, the report outlines “maximizing the economic impact of the bank’s activities and improving customer service, as well as ensuring financial sustainability and operational efficiency.” This is in accordance with Vision 2030’s stated goals of increasing non-oil exports.

On 22 May 2022, the Ministry of Health announced the launch of the expression of interest for developing Al Iman General Hospital staff accommodation facilities.<sup>1477</sup> The development project is operating under a public-private partnership model of “Design, Build, Finance, Operate, and Maintain,” with the government seeking private sector development for building “564 housing units and associated parking requirements for 280 cars.” This is in accordance with Vision 2030’s stated goals of increasing private sector participation in the healthcare sector.

On 23 May 2022, the Saudi Export-Import Bank signed a cooperation agreement with the UK Export Finance (UKEF) providing a “general framework that will enable the two [export credit] agencies to combine their financial support to help UK and Saudi Arabian businesses secure export contracts anywhere in the world.”<sup>1478</sup> UKEF, the world’s first export credit agency established in 1919, will lend its extensive knowledge and expertise to Saudi EXIM, which itself was recently established in 2020. This is in accordance with Vision 2030’s stated goals of diversifying exports capability.

On 5 June 2022, PIF announced it will buy a 23.97 per cent stake in Capital Bank Group, one of the largest banking groups in Jordan and Iraq.<sup>1479</sup> The purchase will cost approximately USD185 million, with the aim of raising the group’s shareholders’ equity to around USD846 million. This is in accordance with Vision 2030’s stated goals of diversifying the Saudi economy.

On 19 June 2022, the Al Madinah Region Development Authority (MDA) announced the launch of the EOI phase for the development of a bus rapid transit (BRT) network to relieve traffic congestion from increasing numbers of residents and pilgrims in the Holy City. The MDA is engaging in a partnership with the private sector, aiming to increase efficiency based on a Design, Build, Finance,

---

<sup>1475</sup> Mawani in Cooperation with NCP Launch EOI for Marine Services at (8) Saudi Ports, National Center for Privatization & PPP (Riyadh) 21 March 2022. Access Date: 17 May 2022.

[https://www.ncp.gov.sa/en/MediaCenter/News/Pages/EOI\\_Marine\\_Services.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/EOI_Marine_Services.aspx).

<sup>1476</sup> Saudi EXIM launches its five-year plan to boost non-oil exports, Arab News (Riyadh) 16 May 2022. Access Date: 17 May 2022. <https://www.arabnews.com/node/2083226/business-economy>.

<sup>1477</sup> MoH Launches EOI Phase for the Design, Build, Finance, Operate and Maintain Staff Accommodation facilities for Al Iman General Hospital, National Center for Privatization & PPP (Riyadh) 22 May 2022. Access Date: 5 June 2022.

[https://www.ncp.gov.sa/en/MediaCenter/News/Pages/EOI\\_Iman\\_Hospital\\_Staff\\_Accommodation.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/EOI_Iman_Hospital_Staff_Accommodation.aspx).

<sup>1478</sup> UKEF signs new export partnership agreement with Saudi EXIM, UK Export Finance (London) 23 May 2022. Access Date: 5 June 2022. <https://www.gov.uk/government/news/ukef-signs-new-export-partnership-with-saudi-exim>.

<sup>1479</sup> PIF takes 24% stake in Capital Bank Group with \$185m subscription deal, Arab News (Riyadh) 5 June 2022. Access Date: 5 June 2022. <https://www.arabnews.com/node/2096896/business-economy>.



Operate and Maintain model.<sup>1480</sup> Three BRT corridors in Al Madinah are to be developed under this project, and the project is to be the first ever public-private partnership for a BRT network in Saudi Arabia.

On 29 June 2022, the Zakat, Tax and Customs Authority announced the launch of the RFQ phase for the upgrading of the land ports of Al-Durrah, Al-Haditha, Halat Ammar, Al-Khafji, Al-Bat'ha and Al-Wadi'ah, aiming to implement a new design prototype for infrastructure improvement.<sup>1481</sup> This project will be developed under a public-private partnership model of Design, Build, Finance, Maintain and Transfer for a 20-year term excluding the construction period. The project aims to increase the efficiency and competitiveness of the land ports, attract private sector investment, increase the role of the private sector in strategic infrastructure, facilitate inter-border goods and services trade, and produce better socio-economic outcomes and quality of service for users. This is in accordance with Vision 2030's stated goals.

On 6 July 2022, the Wave 2 Schools Project of the Saudi Ministry of Education (MoE) awarded project management company SNC-Lavalin a partnership agreement to construct and build 60 public schools in Madinah over the span of 20 years.<sup>1482</sup> The partnership between the MoE, Tatweer Buildings Company and the private sector is expected to provide high-quality infrastructure that will benefit over 50,000 students. This is in accordance with Vision 2030's stated goals of expanding educational services across national regions.

On 5 August 2022, the Ministry of Investment in Saudi Arabia signed a memorandum of understanding with French rail transport manufacturer Alstom.<sup>1483</sup> The agreement aims to strengthen the Saudi transportation sector by creating future opportunities for investment in transportation and establishing Alstom's regional headquarters in Saudi Arabia. This is in accordance with Vision 2030's stated goals to "improve local, regional, and international connectivity of trade and transport networks."<sup>1484</sup>

On 26 August 2022, the Ministry of Investment in Saudi Arabia and Hungarian airline Wizz Air announced the addition of 20 additional routes linking the Kingdom and key cities in Europe, including Budapest, Milan, Rome, Venice, and Vienna.<sup>1485</sup> This aims to develop the Saudi tourism sector.

Saudi Arabia has complied with its commitment to further collaboration between public and private sectors to mobilize capital for infrastructure investment. In accordance with the Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, the country has drafted policies to facilitate public-private partnerships in infrastructure investment, whilst encouraging opportunities to accrue private capital for further projects.

---

<sup>1480</sup> MDA Invites Investors to Participate in Al Madinah Bus Rapid Transit (BRT) Project EOI, National Center for Privatization & PPP (Riyadh) 19 June 2022. Access Date: 25 July 2022.

[https://www.ncp.gov.sa/en/MediaCenter/News/Pages/EOI\\_ALMadinah\\_BRT.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/EOI_ALMadinah_BRT.aspx).

<sup>1481</sup> Zakat, Tax and Customs Authority (ZATCA), in collaboration with the National Center for Privatization & PPP (NCP), announces the launch of Customs (Secured) Zones Project RFQ, National Center for Privatization & PPP (Riyadh) 29 June 2022. Access Date: 25 July 2022. [https://www.ncp.gov.sa/en/MediaCenter/News/Pages/Secured\\_Zone.aspx](https://www.ncp.gov.sa/en/MediaCenter/News/Pages/Secured_Zone.aspx)

<sup>1482</sup> SNC-Lavalin lands FM contract for Saudi PPP school project, Zawya (Dubai) 6 July 2022. Access Date: 2 August 2022. <https://www.zawya.com/en/projects/construction/snc-lavalin-lands-fm-contract-for-saudi-ppp-school-project-n3mbu0ty>.

<sup>1483</sup> Ministry of Investment in Saudi Arabia signs MoU with French company Alstom, Gulf Business (Dubai) 5 August 2022. Access Date: 18 August 2022. <https://gulfbusiness.com/ministry-of-investment-in-saudi-arabia-signs-mou-with-french-company-alstom>.

<sup>1484</sup> National Industrial Development and Logistics Program, Government of Saudi Arabia: Vision 2030 (Riyadh) 2017. Access Date: 18 August 2022. <https://www.vision2030.gov.sa/v2030/vrps/nidlp/>.

<sup>1485</sup> Low-cost carrier Wizz Air launches 20 new routes from Europe to Saudi Arabia, Saudi Gazette (Jeddah) 26 August 2022. Access Date: 7 September 2022. <https://saudigazette.com.sa/article/624311>.

Thus, Saudi Arabia receives a score of +1.

*Analysts: Reshad Mubtasim-Fuad and Rachel Gam*

### **South Africa: 0**

South Africa has partially with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 4 March 2022, Minister of Employment and Labour Thulas Nxesi launched an employment program to bridge the gap between unemployment and skilled trades, thereby investing in social infrastructure within the country.<sup>1486</sup> When addressing the launch, Minister Nxesi reaffirmed the importance of the government working with the private sector to eliminate unemployment.

On 26 May 2022, South Africa created the Just Energy Transition Partnership, backed by the United Kingdom, the United States, France, Germany, and the European Union who all pledged USD8.5 billion to South Africa and its transition away from carbon-intense electrical systems.<sup>1487</sup> To do so, the investment highlighted the indispensability of public-private partnerships in securing the transition and meeting South Africa's economic, environmental, and social infrastructure investment goals.

On 15 June 2022, the Department of Public Works and Infrastructure announced the Expanded Public Works Programme, which aims to create economic opportunities for the poor by providing work and training opportunities and services such as the National Youth Service Program and the Artisan Development Program.<sup>1488</sup> The services are provided by a collaboration of public-private partnerships that seek to bridge the infrastructure gap by investing in training of trade skills taught by the Department of Public Works and Infrastructure, Provincial Departments of Public Works, National Youth Development Agency, Construction Education and Training Authority, and several private sector companies.

South Africa has partially fulfilled its commitment to further public-private collaboration for infrastructure projects by developing initiatives that encourage public-private partnerships but lacks investments and plans to achieve the desired outcome.

Thus, South Africa receives a score of 0.

*Analyst: Yuyang Jiang*

### **Turkey: +1**

Turkey has with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 18 December 2021, President Recep Tayyip Erdoğan emphasized that the Turkish government would keep incentivizing Turkish companies and business in engaging into business including infrastructure developments in Africa, while speaking about the action covering the 2022 to 2026

---

<sup>1486</sup> Employment and Labour on Unemployment Insurance Fund creating job opportunities, South African Government (Cape Town) 15 June 2022. Access Date: 16 June 2022. <https://www.gov.za/speeches/employment-and-labour-unemployment-insurance-fund-creating-job-opportunities-17-mar-2022>

<sup>1487</sup> Joint Statement of the Government of the Republic of South Africa and the African Development Bank in relation to South Africa's Just Energy Transition process, African Development Bank Group (Abidjan) 26 May 2022. Access Date: 16 June 2022. <https://www.afdb.org/en/news-and-events/press-releases/joint-statement-government-republic-south-africa-and-african-development-bank-relation-south-africas-just-energy-transition-process-51926>

<sup>1488</sup> Public Works and Infrastructure on work opportunities created by Expanded Public Works Programme, South African Government (Cape Town) 15 June 2022. Access Date: 16 June 2022. <https://www.gov.za/speeches/public-works-and-infrastructure-work-opportunities-created-expanded-public-works-programme>

period during the 3rd Turkey-Africa Partnership Summit.<sup>1489</sup> Moreover, President Erdoğan also acknowledged the importance of Turkish companies localizing their business in Africa.

On 1 February 2022, President Erdoğan stated that Turkish businesses are ready and will be mainly contributing to the unfolding of infrastructure in Lebanon helping the country to rebuild some of its infrastructure projects.<sup>1490</sup> The infrastructure program Turkey provided to help Lebanon will include the one that will help rebuild part of Port of Beirut which has been destroyed due to the Beirut explosion that was happening in 2020, and Turkish government is incentivizing and encouraging more Turkish businesses to firmly join this infrastructure project aimed to provide Lebanon with resources and convenience.

On 18 March 2022, the opening ceremony of the 1915 Çanakkale Bridge was held.<sup>1491</sup> It is the world's longest suspension bridge with a mid-span of 2023 metres, connecting European and Asian shores, with plans to add more infrastructure such as roadway extensions. It locates south of the Sea Marmara and will accommodate to carry up to 45,000 vehicles across its six lanes each day, encouraging both tourism and economic invigoration in the region.

On 5 April 2022, Minister of Transport and Infrastructure Adil Karaismailoğlu delivered a speech in the Transport Vision 2053 meeting, in Istanbul.<sup>1492</sup> A roadmap shared pledge to double the size of its highway network, weigh in on railway transportation and shipment, and to invest billions of dollars in infrastructure by 2053.<sup>1493</sup> He also unveiled the Transport and Logistics Master Plan, which aims to meet the country's transport and communication infrastructure targets with a focus on railways. The investment anticipates contributing over TRY1 trillion to GDP, TRY1.36 trillion to production and creating employment for 27.7 million people. This plan emphasizes the expansion of railway transport from the Turkish passenger to the cargo network for Europe, Western Asia and Africa.<sup>1494</sup>

On 12 April 2022, Minister of Transport and Infrastructure Adil Karaismailoğlu announced the “2053 Infrastructure Vision” at the “Transport Vision 2053” meeting.<sup>1495</sup> The plan includes building a transportation infrastructure worth TRY197.9 billion by 2053. The government noted that it wants to increase its trade share by more than TRY700 billion in the Asian and European markets, aiming to become a logistics center for Asia and Europe by utilizing its geopolitical advantages. It also aims to reduce logistics costs and revitalize the tourism industry through investment in sea transportation,

---

<sup>1489</sup> Türkiye-Africa relations have been gaining momentum since 2005, Presidency of the Republic of Türkiye (Ankara) 18 December 2021. Access Date: 23 January 2022. <https://www.tccb.gov.tr/en/news/542/134003/-turkiye-africa-relations-have-been-gaining-momentum-since-2005->

<sup>1490</sup> Turkey ready to undertake reconstruction of Beirut port, DAILY SABAH (Istanbul) 2 February 2022. Access Date: 4 February 2022. [https://www.dailysabah.com/business/economy/turkey-ready-to-undertake-reconstruction-of-beirut-port?gallery\\_image=undefined#big](https://www.dailysabah.com/business/economy/turkey-ready-to-undertake-reconstruction-of-beirut-port?gallery_image=undefined#big).

<sup>1491</sup> MEGA PROJECT 1915 ÇANAKKALE BRIDGE OPENED WITH THE PRESIDENCE OF PRESIDENT ERDOĞAN, Turkey Ministry of Transport and Infrastructure (Istanbul) 18 March 2022. Access Date: 24 March 2022. <https://www.uab.gov.tr/haberler/mega-proje-1915-canakkale-koprusu-cumhurbaskani-erdogan-in-tesrifleriyle-acildi>.

<sup>1492</sup> Turkey's Minister of Transport and Infrastructure H.E. Adil Karaismailoğlu state that “Türkiye's 30-year transport plan is ready,” Ministry of Transport and Infrastructure (Ankara). 8 April 2022. Access Date: 13 September 2022 <https://www.prnewswire.com/news-releases/turkeys-minister-of-transport-and-infrastructure-he-adil-karaismailolu-stated-that-turkiyes-30-year-transport-plan-is-ready-301520939.html>.

<sup>1493</sup> Turkey to more than double highway, railway networks, ramp up investments, Daily Sabah (Istanbul). 5 April 2022. Access Date: 13 September 2022. <https://www.dailysabah.com/business/transportation/turkey-to-more-than-double-highway-railway-networks-ramp-up-investments>.

<sup>1494</sup> Turkey unveils 30-year plan to improve transport infrastructure, Railway Technology (New York) 11 April 2022. Access Date: 13 September 2022. <https://www.railway-technology.com/news/turkey-plan-improve-transport-infrastructure/>.

<sup>1495</sup> Turkey aims to be a logistics superpower by 2053: Erdoğan. Daily Sabah (Istanbul) 12 April 2022. Access Date: 14 April 2022. <https://www.dailysabah.com/business/transportation/turkey-aims-to-be-a-logistics-superpower-by-2053-erdogan>.

telecommunications, and air transportation, while focusing on railway expansion and highway construction.

On 19 September 2022, Minister Karaismaioğlu spoke at the 6G Conference that 6G Technology and communication infrastructure, will be a keystone for the public and private sectors in informatics.<sup>1496</sup> He emphasized that the production of information is crucial for development in areas of domestic production, high technology and global brand, for fast and secure internet infrastructure, increase in exports and competitiveness in the world. He added that the technology will increase vehicle-pedestrian, vehicle-vehicle communication and vehicle-infrastructure communication with internet access.<sup>1497</sup> It is expected that the ministry will aim to contribute USD2,053 trillion to production and USD198 trillion to national income with a total transportation and communication infrastructure investment of USD2 billion.

Through carrying out new and large-scale infrastructure programs and projects internationally, Turkey has strongly furthered collaboration between public and private sectors to mobilize private capital for infrastructure investment.

Thus, Turkey receives a score of +1.

*Analysts: Charlie Lecheng Zeng and Chaewon Kang*

### **United Kingdom: +1**

The United Kingdom has with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 11 November 2021, the UK government launched the Urban Climate Action program to “support the cities and regions in developing countries most impacted by climate change to accelerate their transition to net zero.”<sup>1498</sup> This program is in partnership for its delivery with the German development agency GIZ and the C40 Cities Climate Leadership Group – “a global network of cities focused on climate action.” The UK government has committed GBP27.5 million for the program, to be distributed across cities in Africa, Asia and Latin America in helping meet carbon neutrality by 2050 and “prepare low-carbon infrastructure projects.” Alongside its launch, in accordance with the meeting of the United Nations 26th Conference of the Parties to the Framework Convention on Climate Change on Cities, Regions and Built Environment Day in Glasgow, the UK government has “called on cities yet to make commitments to step up and set a net-zero target.”

On 20 January 2022, the UK government announced it would be targeting small businesses in the digital sector with the launch of its “Help to Grow: Digital” scheme that provides such businesses “with discounts of up to GBP5,000 on approved Digital Accounting and Customer Relations

---

<sup>1496</sup> Minister of Transportation and Infrastructure Karaismaioğlu: Localization of Critical Components for 5G and Beyond Technologies is our Fundamental Priority, Ministry of Trade and Infrastructure (Ankara). 19 Septemeber 2022. Translation provided by Google Translate. Access Date: 22 September 2022. <https://www.uab.gov.tr/haberler/ulastirma-ve-altyapi-bakani-karaismailoglu-5g-ve-otisi-teknolojilerine-yonelik-kritik-bilesenlerin-yerlilestirilmesi-temel-onceligimiz>.

<sup>1497</sup> 6G Technology Will Be a Keystone for the Public and Private Sectors in Informatics, Raily News (Turkey). 19 September 2022. Access Date: 20 September 2022. <https://railynews.com/2022/09/6g-teknolojisi-bilisimde-kamu-ve-ozel-sektor-icin-kilit-tasi-olacak/>.

<sup>1498</sup> UK funding to support developing cities and regions transition to net zero by 2050, Department for Business, Energy & Industrial Strategy (London) 11 November 2021. Access Date: 12 February 2022. <https://www.gov.uk/government/news/uk-funding-to-support-developing-cities-and-regions-transition-to-net-zero-by-2050>

Management software” and a free skills upgrading platform for building digital competency.<sup>1499</sup> This initiative is part of the government’s wider efforts to “back businesses and level up the economy.”

On 21 January 2022, UK battery company Britishvolt was promised to receive funding from the UK government’s Automotive Transformation Fund, established as part of the UK government’s existing Net Zero Strategy that aims to end the sale of new petrol and diesel cars domestically by 2030 alongside other goals. The funding is intended for Britishvolt’s planned gigafactory located in Blyth, Northumberland. The project is estimated to provide “3,000 direct highly-skilled jobs and another 5,000 indirect jobs in the wider supply chain.”<sup>1500</sup> The government expects its support to spur “a significant amount of further support from private investors.”

On 27 January 2022, Business and Energy Secretary Kwasi Kwarteng committed GBP100 million in funding for the Sizewell C nuclear power plant project, currently under development, in Suffolk.<sup>1501</sup> Sizewell C is estimated to provide low-carbon electricity to around 6 million homes and support up to 10,000 jobs in the UK. The funding will be provided under a novel Regulated Asset Base model, set to “lower the cost of each new large-scale nuclear power projects by more than GBP30 billion,” compared to the existing funding model. If the project is successful, the GBP100 million will be reimbursed to the government. If the project fails to reach important milestones, the government will request for shares in Sizewell C Company – owned in majority currently by French state-run energy company EDF – or for an equity stake in the project site. Failure to meet such a request will grant the government a portion of EDF’s financing return and a reimbursement of contributed funds. This model is also stated to broaden the opportunity for public-private partnership in nuclear energy financing, “expected to reduce Britain’s reliance on overseas developers for finance by substantially widening the pool of private investors to include British pension funds, insurers and other institutional investors from like-minded countries.”

On 11 February 2022, the Robotics Growth Partnership, established by the UK government in 2019 to drive domestic innovation in global smart robotics, launched its “Vision for cyber-physical infrastructure.”<sup>1502</sup> It is a series of published documents outlining how “a connected ecosystem of virtual and physical infrastructure would help drive faster, cheaper and lower risk innovation in smart robotics as well as other technology areas and across sectors.”<sup>1503</sup>

On 2 March 2022, the UK government announced GBP60 million of new government funding to expand life sciences manufacturing in the UK and distributed to qualifying companies through the Life Sciences Innovative Manufacturing Fund.<sup>1504</sup> The products manufactured range from “cell and gene

---

<sup>1499</sup> Government backs UK entrepreneurs with tech support and software to help them grow, Department for Business, Energy & Industrial Strategy (London) 20 January 2022. Access Date: 12 February 2022. <https://www.gov.uk/government/news/government-backs-uk-entrepreneurs-with-tech-support-and-software-to-help-them-grow>

<sup>1500</sup> Government backs Britishvolt plans for Blyth gigafactory to build electric vehicle batteries, Department for Business, Energy & Industrial Strategy (London) 21 January 2022. Access Date: 12 February 2022. <https://www.gov.uk/government/news/government-backs-britishvolt-plans-for-blyth-gigafactory-to-build-electric-vehicle-batteries>

<sup>1501</sup> Government readies Sizewell C nuclear project for future investment, Department for Business, Energy & Industrial Strategy (London) 27 January 2022. Access Date: 12 February 2022. <https://www.gov.uk/government/news/government-readies-sizewell-c-nuclear-project-for-future-investment>

<sup>1502</sup> Robotics Growth Partnership launches cyber-physical infrastructure vision, Department for Business, Energy & Industrial Strategy (London) 11 February 2022. Access Date: 12 February 2022. <https://www.gov.uk/government/news/robotics-growth-partnership-launches-cyber-physical-infrastructure-vision>

<sup>1503</sup> Cyber-physical infrastructure, Department for Business, Energy & Industrial Strategy (London) 11 February 2022. Access Date: 12 February 2022. <https://www.gov.uk/government/publications/cyber-physical-infrastructure>

<sup>1504</sup> £260 million to boost healthcare research and manufacturing, Department for Business, Energy & Industrial Strategy (London) 2 March 2022. Access Date: 17 May 2022. <https://www.gov.uk/government/news/260-million-to-boost-healthcare-research-and-manufacturing>

therapies and earlier and better diagnostic technologies, to medical devices.” The funds were directed at projects supporting scalability at the commercial level.

On 24 March 2022, the UK government announced measures to boost growth, productivity, and energy efficiency for households and businesses.<sup>1505</sup> These measures include cuts on fuel duty rates for petrol and diesel worth GBP2.4 billion and an extra GBP500 million for vulnerable households through the Household Support Fund.

On 31 March 2022, a grant of GBP15.9 million was awarded from the UK government to chemical producer Croda International Plc, for the purpose of accelerating domestic manufacturing capacity of mRNA COVID vaccines.<sup>1506</sup> The grant is intended to “increase both the range and volume of lipids” able to be produced in the UK — lipids being key to the production of the vaccines — at their current facilities in Leek, Staffordshire.

On 6 April 2022, the UK government unveiled the British Energy Security Strategy in light of rising global energy costs and volatility from post-COVID increases in energy demand and supply shocks from the Ukraine-Russia conflict.<sup>1507</sup> This strategy focuses on investments in nuclear energy and offshore wind to meet present and future domestic electricity demands. For example, it sets a goal of 25 per cent of projected energy demand being met with nuclear power by 2050 — up to 24 gigawatts — and an additional goal of up to 50 gigawatts of energy powered from offshore wind by 2030. These investments include a GBP120 million sum towards delivering up to eight new nuclear reactors under the “Future Nuclear Enabling Fund.” This announcement also included smaller additional sums allocated to domestic production of onshore wind, heat pump manufacturing, solar, hydrogen, and oil and gas, for meeting medium-to-long-term environmental, economic, and energy security needs.

On 10 May 2022, the UK government announced a “seafarers minimum wage” that requires all regularly-sailing operators to pay at least the minimum to dock in British ports.<sup>1508</sup> This “seafarers minimum” will be equivalent to the national minimum wage. Furthermore, the UK government is in talks with European partners to implement a “minimum wage corridor,” restricting the ability of operators to exploit wage loopholes between partner countries.

On 23 May 2022, UK Export Finance (UKEF) signed a cooperation agreement with the Saudi Export-Import Bank (EXIM), providing a “general framework that will enable the two [export credit] agencies to combine their financial support to help UK and Saudi Arabian businesses secure export contracts anywhere in the world.”<sup>1509</sup> UKEF, the world’s first export credit agency established in 1919, will lend its extensive knowledge and expertise to Saudi EXIM, which itself was recently established in 2020.

On 23 May 2022, UK government announced its investment of GBP40 million into a new competition operated by the Centre for Connected and Autonomous Vehicles for funding projects “to help bring to market the latest developments in autonomous commercial vehicles,” including self-driving delivery

---

<sup>1505</sup> BEIS in the Spring Statement 2022, Department for Business, Energy & Industrial Strategy (London) 24 March 2022. Access Date: 17 May 2022. <https://www.gov.uk/government/news/beis-in-the-spring-statement-2022>

<sup>1506</sup> Government to provide shot in the arm for West Midlands vaccine manufacturing facility, Department for Business, Energy & Industrial Strategy (London) 31 March 2022. Access Date: 17 May 2022. <https://www.gov.uk/government/news/government-to-provide-shot-in-the-arm-for-west-midlands-vaccine-manufacturing-facility>

<sup>1507</sup> Major acceleration of homegrown power in Britain’s plan for greater energy independence, Department for Business, Energy & Industrial Strategy (London) 6 April 2022. Access Date: 17 May 2022. <https://www.gov.uk/government/news/major-acceleration-of-homegrown-power-in-britains-plan-for-greater-energy-independence>.

<sup>1508</sup> Seafarer minimum wage laws set sail, Department for Business, Energy & Industrial Strategy (London) 10 May 2022. Access Date: 17 May 2022. <https://www.gov.uk/government/news/seafarer-minimum-wage-laws-set-sail>.

<sup>1509</sup> UKEF signs new export partnership agreement with Saudi EXIM, UK Export Finance (London) 23 May 2022. Access Date: 5 June 2022. <https://www.gov.uk/government/news/ukef-signs-new-export-partnership-with-saudi-exim>.

vehicles and shuttles.<sup>1510</sup> It is estimated that this market will be worth around GBP42 million in the UK by 2035 and create 38,000 new skilled jobs.

On 26 May 2022, the United Kingdom backed the South-African-created Just Energy Transition Partnership, additionally supported by the United States, France, Germany and the European Union who all pledged USD8.5 billion to South Africa and its transition away from carbon-intense electrical systems.<sup>1511</sup> To do so, the investment highlighted the indispensability of public-private partnerships in securing the transition and meeting South Africa's economic, environmental, and social infrastructure investment goals.

On 30 August 2022, work began on the UK government's GBP5 billion broadband upgrade labelled "Project Gigabit."<sup>1512</sup> This project is aimed at bringing reliable gigabit broadband to more hard-to-reach communities across the UK deemed too expensive or difficult to connect by commercial broadband providers.

The United Kingdom has fully complied with its commitment to further collaboration between public and private sectors to mobilize capital for infrastructure investment. In accordance with the Roadmap for Infrastructure as an Asset Class, and the G20 Infrastructure Investors Dialogue, the country has drafted many policies to facilitate public-private partnerships in infrastructure investment.

Thus, the United Kingdom receives a score of +1.

*Analyst: Reshad Mubtasim-Fuad*

#### **United States: +1**

The United States has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 2 November 2021, at the United Nations Climate Change Conference, the President Joe Biden reaffirmed the United States Agency for International Development's commitment to the Agriculture Innovation Mission for Climate, pledging to mobilise USD1 billion over five years to the initiative.<sup>1513</sup> The program aims to raise agricultural productivity in South Asia and Sub-Saharan Africa by 25 per cent by investing and developing infrastructure that supports climate-smart agriculture and food systems.

On 15 November 2021, the Office of Public Affairs of the United States published a press release with details of the infrastructure deal put forward by the President of the United States.<sup>1514</sup> It noted that

---

<sup>1510</sup> Self-driving buses, shuttles and delivery vans could soon hit UK roads thanks to £40 million government-funded competition, Department for Business, Energy & Industrial Strategy (London) 23 May 2022. Access Date: 5 June 2022. <https://www.gov.uk/government/news/self-driving-buses-shuttles-and-delivery-vans-could-soon-hit-uk-roads-thanks-to-40-million-government-funded-competition>.

<sup>1511</sup> Joint Statement of the Government of the Republic of South Africa and the African Development Bank in relation to South Africa's Just Energy Transition process, African Development Bank Group (Abidjan) 26 May 2022. Access Date: 16 June 2022. <https://www.afdb.org/en/news-and-events/press-releases/joint-statement-government-republic-south-africa-and-african-development-bank-relation-south-africas-just-energy-transition-process-51926>.

<sup>1512</sup> Work begins on first major broadband upgrade under £5 billion Project Gigabit, Department for Digital, Culture, Media & Sport, United Kingdom (London). 30 August 2022. Access Date 12 September 2022. <https://www.gov.uk/government/news/work-begins-on-first-major-broadband-upgrade-under-5-billion-project-gigabit>

<sup>1513</sup> Usaid Highlights Commitment To Climate-Smart Agriculture Research And Innovation, United States Agency for International Development (Washington) 2 November 2021. Access Date: 24 December 2021. <https://www.usaid.gov/news-information/press-releases/nov-2-2021-usaid-highlights-commitment-climate-smart-agriculture-research-innovation>

<sup>1514</sup> What Are They Saying: How President Biden's Historic Bipartisan Infrastructure Deal Will Help Close the Digital Divide, United States Department of Commerce (Washington D.C.) 15 November 2021. Access Date: 5 January 2022. <https://www.commerce.gov/news/press-releases/2021/11/what-they-are-saying-how-president-bidens-historic-bipartisan>

senior business leaders shared the view of the government that a policy recognising the value of both the public and private sector would be crucial to closing the gap in terms of digital access.

On 9 May 2022, the Deputy Secretary of the Department of Commerce Don Graves, U.S. Senators Debbie Stabenow and Gary Peters, U.S. Congresswomen Brenda Lawrence and Rashida Tlaib, Michigan Lieutenant Governor Garlin Gilchrist II, and Detroit Mayor Mike Duggan, hosted a Supply Chain Summit, for which public and private sector stakeholders were also in attendance.<sup>1515</sup> The aim of the summit was to encourage connections between the public and private sector, placing emphasis on the importance of government collaboration and support for the under-publicised elements of the private sector including minority-owned small businesses. As part of the event, attendees were separated into breakout sessions with the officials to discuss capital procurement through the federal government.

On 21 May 2022, President Joseph Biden paid a visit to Korea and had a meeting with Korean President Yoon Suk Yeol.<sup>1516</sup> As part of a joint statement issued by both presidents, they agreed to utilize their comparative advantage to enhance public-private cooperation in the development of the technology sector, reaffirming their commitment to furthering collaboration between public and private sectors.

On 24 May 2022, at the Quad Joint Leaders' meeting comprised of Prime Minister Anthony Albanese of Australia, Prime Minister Narendra Modi of India, Prime Minister Fumio Kishida of Japan, and President Joe Biden, the leaders reaffirmed their commitment to improving infrastructure the Indo-Pacific region through public and private partnerships.<sup>1517</sup> To do so, the four leaders pledged USD50 billion to infrastructure assistance and investment to the region over five years.

On 26 May 2022, the United States backed the South-African-created Just Energy Transition Partnership, additionally supported by the United Kingdom, France, Germany and the European Union who all pledged USD8.5 billion to South Africa and its transition away from carbon-intensive electrical systems.<sup>1518</sup> To do so, the investment highlighted the indispensability of public-private partnerships in securing the transition and meeting South Africa's economic, environmental, and social infrastructure investment goals.

On 23 June 2022, the United States Environmental protection agency awarded USD1,200,000 — derived from the Diesel Emission Reduction Act — to federally-recognized Alaskan tribes.<sup>1519</sup> The grant funds projects for Indigenous communities to replace older equipment that utilizes larger amounts of diesel fuel in comparison to newer models. Roughly USD400,000 of the collective USD1,200,000 was used to

---

<sup>1515</sup> Deputy Secretary Don Graves Hosts Supply Chain Summit in Detroit with Senators Stabenow and Peters, Congresswomen Lawrence and Tlaib, Lieutenant Governor Gilchrist, and Mayor Duggan, United States Department of Commerce (Washington D.C.) 10 May 2022. Access Date: 15 May 2022. <https://www.commerce.gov/news/press-releases/2022/05/deputy-secretary-don-graves-hosts-supply-chain-summit-detroit-senators>

<sup>1516</sup> United-States-Republic of Korea Leaders' Joint Statements, The White House Briefing Room (Washington D.C.) 21 May 2022. Access Date: 16 June 2022. <https://www.whitehouse.gov/briefing-room/statements-releases/2022/05/21/united-states-republic-of-korea-leaders-joint-statement/>

<sup>1517</sup> Quad Joint Leaders' Statement, The White House Briefing Room (Washington D.C.) 24 May 2022. Access Date: 16 June 2022. <https://www.whitehouse.gov/briefing-room/statements-releases/2022/05/24/quad-joint-leaders-statement/>

<sup>1518</sup> Joint Statement of the Government of the Republic of South Africa and the African Development Bank in relation to South Africa's Just Energy Transition process, African Development Bank Group (Abidjan) 26 May 2022. Access Date: 16 June 2022. <https://www.afdb.org/en/news-and-events/press-releases/joint-statement-government-republic-south-africa-and-african-development-bank-relation-south-africa-just-energy-transition-process-51926>.

<sup>1519</sup> EPA awards \$1.2 Million to Alaska tribes to help protect communities from harmful diesel emissions, United States Environmental Protection Agency (Washington D.C.) 23 June 2022. Access Date: 23 June 2022. <https://www.epa.gov/newsreleases/epa-awards-12-million-alaska-tribes-help-protect-communities-harmful-diesel-emissions>.



replace two diesel generators in the Native Village of Deering and the remaining US\$800,000 was used to replace five generators in the Alaska rural villages of Huslia, Minto, Nulato, Holy Cross, and Shageluk.

On 23 June 2022, the United States Environmental protection agency awarded USD1,200,000—derived from the Diesel Emission Reduction Act—to federally-recognized Indigenous tribes in Washington D.C.<sup>1520</sup> The grant funds projects for Indigenous communities to replace older equipment that utilizes larger amounts of diesel fuel in comparison to newer models. Roughly USD375,000 of the collective USD1,200,000 was used to replace two diesel generators in the Swinomish Indian Tribal Community and the remaining US\$500,000 was used to replace two marine engines within the Quinault Indian Nation.

On 27 June 2022, the US International Development Finance Corporation announced plans to invest up to USD30 billion in India's Omnivore Agritech and Climate Sustainability Fund 3 to fund projects by entrepreneurs developing local food systems, agricultural and climate technology, and bolstering rural economies.<sup>1521</sup> The fund will specifically invest capital into companies increasing India's food security, climate resilience, and agricultural infrastructure. The funding comes as part of the G7's Partnership for Global Infrastructure and Investment (PGII) initiative, as its launch aims to fund infrastructure in developing countries.

The United States has fully complied with the commitment to develop further the collaboration between the public and private investors to mobilise private capital.

Thus, the United States receives a score of +1.

*Analyst: Daniel Yihan Mao*

#### **European Union: +1**

The European Union has fully complied with the commitment to further collaboration between public and private sectors to mobilise private capital for infrastructure investment.

On 10 December 2021, the European Investment Bank (EIB) agreed to provide up to EUR95 million for the purchase of battery-powered trains that will replace diesel trains in Berlin and the surrounding area in a public-private investment project.<sup>1522</sup> This partnership is supported by the European Commission with funds from the Connecting Europe Facility for Transport and New Entrants' Reserve programme.

On 20 and 21 January 2022, the European Union attended the first meeting of the G20 Infrastructure Working Group, where was discussed the enhanced role for infrastructure in the recovery from the Covid-19 pandemic, including through scaling up sustainable infrastructure by leveraging private sector participation.<sup>1523</sup>

---

<sup>1520</sup> EPA awards \$1.2 Million to Washington tribes to help protect communities from harmful diesel emissions, United States Environmental Protection Agency (Washington D.C.) 23 June 2022. Access Date: 23 June 2022.

<https://www.epa.gov/newsreleases/epa-awards-12-million-washington-tribes-help-protect-communities-harmful-diesel>.

<sup>1521</sup> Explained: The G7's infrastructure investment plan to counter China's Belt and Road Initiative, Rishika Singh, The Indian Express (Mumbai). 29 June 2022. Access Date: 22 July 2022. <https://indianexpress.com/article/explained/g7-infrastructure-investment-plan-china-belt-and-road-initiative-explained-7996374/>.

<sup>1522</sup> Germany: EIB finances new battery-powered regional trains to replace diesel, European Investment Bank (Luxembourg) 4 January 2022. Access Date: 5 June 2022. <https://www.eib.org/en/press/all/2022-001-eib-finances-new-battery-powered-regional-trains-to-replace-diesel>

<sup>1523</sup> The First G20 Infrastructure Working Group Meeting To Encourage Recovery of the World Economy, G20 Indonesia 2022 (Jakarta) 21 January 2022. Access Date: 5 June 2022. <https://g20.org/the-first-g20-infrastructure-working-group-meeting-to-encourage-recovery-of-the-world-economy/>

On 7 March 2022, the EC, the EIB, and the European Investment Fund signed the Guarantee Agreement on a European budget guarantee of EUR19.65 billion to support investment projects across Europe under the InvestEU programme.<sup>1524</sup> InvestEU concentrates on four main policy areas: sustainable infrastructure; research, innovation, and digitisation; small- and medium-sized businesses (SMEs); and social investment and skills. InvestEU aims to attract private partners with the goal of receiving EUR372 billion in additional investment by 2027.

On 1 April 2022, the InvestEU Investment Committee confirmed the guarantee of EUR1.9 billion in EIB financing for the first projects under the programme.<sup>1525</sup> These first projects fall under InvestEU's social investment and skills priority area and will support clean energy, education, improved internet connection, and water and wastewater infrastructure. These projects span the EU and include investments in Finland, Greece, Ireland, Italy, Poland, Portugal, and Spain

On 26 May 2022, the European Union backed the South-African-created Just Energy Transition Partnership, additionally supported by the United Kingdom, the United States, France, and Germany who all pledged USD8.5 billion to South Africa and its transition away from carbon-intense electrical systems.<sup>1526</sup> To do so, the investment highlighted the indispensability of public-private partnerships in securing the transition and meeting South Africa's economic, environmental, and social infrastructure investment goals.

The EU has taken new, strong actions to promote public-private collaboration for infrastructure projects, particularly through the ongoing role of the InvestEU programme and public-private partnerships launched by the EIB.

Thus, the European Union receives a score of +1.

*Analyst: Abigail Potter*

---

<sup>1524</sup> European Commission and EIB Group sign InvestEU agreements unlocking billions for investment across the European Union, European Commission (Brussels) 7 March 2022. Access Date: 5 June 2022. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_22\\_1548](https://ec.europa.eu/commission/presscorner/detail/en/ip_22_1548)

<sup>1525</sup> InvestEU Fund backs first projects, European Investment Bank (Luxembourg) 4 April 2022. Access Date: 5 June 2022. <https://www.eib.org/en/press/news/investeu-fund-backs-first-projects>

<sup>1526</sup> Joint Statement of the Government of the Republic of South Africa and the African Development Bank in relation to South Africa's Just Energy Transition process, African Development Bank Group (Abidjan) 26 May 2022. Access Date: 16 June 2022. <https://www.afdb.org/en/news-and-events/press-releases/joint-statement-government-republic-south-africa-and-african-development-bank-relation-south-africas-just-energy-transition-process-51926>