



RANEP
THE RUSSIAN PRESIDENTIAL ACADEMY
OF NATIONAL ECONOMY
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2021 G20 Rome Summit Interim Compliance Report

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Feedback, as always, is welcome and is kept anonymous.

We encourage readers to send comments to

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21. Climate Change: National Plans

“We will deliver national recovery and resilience plans that allocate, according to national circumstances, an ambitious share of the financial resources to mitigating and adapting to climate change and avoid harm to the climate and environment.”

G20 Rome Leaders’ Declaration

Assessment

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

Background

At the 2008 Washington Summit the G20 leaders addressed the issue of climate change for the first time.⁴⁰⁴⁹ It is recognized that, “climate change represents an urgent and potentially irreversible threat to human societies and the planet, and thus requires to be urgently addressed by all [countries].”⁴⁰⁵⁰ Many commitments made at past G20 summits have either dealt directly with climate change, or have had climate change as an underlying theme. These include commitments relating to clean energy, food and agriculture, among others.

At the 2009 London Summit, G20 members expressed their support for the United Nations Framework Convention on Climate Change (UNFCCC).⁴⁰⁵¹ This support was reiterated at every G20 summit, including at the 2017 Hamburg Summit where leaders reiterated the importance of fulfilling the UNFCCC commitment by developed countries in providing means of implementation including financial resources to assist developing

⁴⁰⁴⁹ Declaration of the Summit on Financial Markets and the World Economy, 2008 Washington Summit, RANEP (Moscow). Access Date: 10 January 2021.

<https://www.ranepa.ru/images/media/g20/2008washington/Declaration%20of%20the%20Summit%20on%20Financial%20Markets.pdf>

⁴⁰⁵⁰ Report of the Conference of the Parties on its Seventeenth Session, Held in Durban from 28 November to 11 December 2011, United Nations Framework Convention on Climate Change (Bonn) 15 March 2012 Access Date: 10 January 2021. <http://unfccc.int/resource/docs/2011/cop17/eng/09a01.pdf#page=2>.

⁴⁰⁵¹ Global Plan for Recovery and Reform, 2009 London Summit, RANEP (Moscow). Access date: 10 January 2021. <https://www.ranepa.ru/images/media/g20/2009london/2009communique0402.pdf>

countries with respect to both mitigation and adaptation actions in line with Paris outcomes and note the Organisation for Economic Co-operation and Development's (OECD) report "Investing in Climate, Investing in Growth."⁴⁰⁵²

The COVID-19 pandemic highlighted the need to integrate climate-focused policies into the countries' recovery efforts to ensure resilience and environmental sustainability of the world economy. Multiple international institutions, including the United Nations, the World Bank, the OECD, the International Energy Agency, issued recommendations to promote sustainable crisis response efforts, which take into account economic, social and environmental aspects of sustainability. This sustainability drive is further emphasized by the need to implement the 2030 Agenda for Sustainable Development, adopted by the United Nations in 2015.

Commitment Features

The commitment requires G20 members to include environmentally oriented spending, primarily aimed at mitigation and adaptation to climate change, into their post-pandemic recovery efforts, while at the same time avoiding additional harm to the environment.

To fully comply with the commitment the G20 member should adopt a recovery and resilience plan (or a similar policy document) allocating funds for concrete actions to mitigate the adverse effects of or adapt to climate change. The G20 member should also avoid taking policy actions, which may cause harm "to the climate and environment."

Mitigation actions refer to efforts to prevent, reduce or reverse the anthropogenic effects on the environment. Adaptation actions refer "to adjustments in ecological, social, or economic systems in response to actual or expected climatic stimuli and their effects or impacts."⁴⁰⁵³ This set of actions may include, but are not limited to:

- Natural ecosystems restoration
- Biodiversity and natural habitat rehabilitation;
- Forest wildfire mitigation;
- Creating weather-resilient infrastructure;
- Reducing adverse impacts of climate change-induced conditions on local communities, etc.

The policy actions considered harmful for climate resilience and environment in general may include, but are not limited to:

- Relaxing environmental regulation for businesses;
- Increasing financial or regulatory benefits to emission-heavy industries;
- Increasing fossil-fuel subsidies (both production and consumption-wise);
- Financing or otherwise supporting projects, which result in shrinking of nature conservation and protected areas, etc.

⁴⁰⁵² G20 Leaders' Declaration Shaping an interconnected world, RANEP (Moscow) July 2017. Access Date: 10 January 2021. https://www.ranepa.ru/images/media/g20/2017hamburg/G20%20Hamburg%20leaders_%20communiqu%C3%A9.pdf.

⁴⁰⁵³ What do adaptation to climate change and climate resilience mean?, UNFCCC 2022. Access Date: 12 January 2021. <https://unfccc.int/topics/adaptation-and-resilience/the-big-picture/what-do-adaptation-to-climate-change-and-climate-resilience-mean>.

Anthropogenic or natural disasters causing harm to the climate and environment, which may happen during the monitoring period, do not affect the scoring of this commitment as they cannot be considered policy actions, taken by the G20 members' governments or intended results thereof.

To partially comply with the commitment the G20 member should either adopt a policy document allocating funds for climate change adaptation and mitigation, while taking policy actions, which may cause harm to the climate and environment, or fail to adopt policy documents allocating funds for climate change adaptation and mitigation, while taking no policy actions, which may cause harm to the climate and environment.

The G20 member which does not adopt policy documents allocating funds for climate change adaptation and mitigation, and takes policy actions, which may cause harm to the climate and environment is considered non-compliant with the commitment.

Scoring Guidelines

-1	The G20 member does not adopt policy documents allocating funds for climate change adaptation and mitigation, AND takes policy actions, which may cause harm to the climate and environment.
0	The G20 member adopts a policy document allocating funds for climate change adaptation and mitigation, and takes policy actions, which may cause harm to the climate and environment OR does not adopt policy documents allocating funds for climate change adaptation and mitigation, and takes no policy actions, which may cause harm to the climate and environment.
+1	The G20 member adopts a policy document allocating funds for climate change adaptation and mitigation, AND takes no policy actions, which may cause harm to the climate and environment.

Compliance director: Alexander Ignatov

Lead analyst: Andrei Sakharov

Argentina: +1

Argentina has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 1 November 2021, President Alberto Fernandez while participating in Glasgow at the High-level event entitled "Action and Solidarity: The Critical Decade" declared 2 per cent increase in the National Contribution to promote investment and the development of national production chains to move forward with an inclusive, stable, sovereign, sustainable and federal energy matrix.⁴⁰⁵⁴

On 8 November 2021, Minister of Health Carla Vizzotti announced the establishment of a working group on Climate Change and Health. The objectives are to mainstream the issue of climate variability and climate change in the policies and programmes of the health portfolio; to encourage the incorporation of health promotion and protection as fundamental elements of policies related to climate change; to create a space for updating and exchanging specific knowledge on the subject.⁴⁰⁵⁵

On 11 November 2021, Minister of Environment and Sustainable Development Juan Cabandié, along with his counterparts from Brazil, Paraguay and Uruguay announced the creation of a joint negotiating group on climate

⁴⁰⁵⁴ Without sustainable financing, there will be no sustainable development, Casa Rosada Presidency (Buenos Aires) 1 November 2021. Translation provided by DeepL Translate. Access Date: 3 March 2022. <https://www.casarosada.gob.ar/slider-principal/48203-sin-financiamiento-sostenible-no-habra-desarrollo-sostenible-afirmo-el-presidente-en-glasgow>

⁴⁰⁵⁵ The creation of the Climate Change and Health Working Group, Ministry of Health (Buenos Aires) 8 November 2021. Translation provided by DeepL Translate. Access Date: 4 March 2022. <https://www.argentina.gob.ar/noticias/se-formaliza-la-creacion-de-la-mesa-de-trabajo-de-cambio-climatico-y-salud>

change. The group's main areas of focus are agriculture, global food security and the region's ecosystems for sustainable development.⁴⁰⁵⁶

On 17 November 2021, the Ministry of Agriculture, Livestock and Fisheries announced the launch of a national sustainable aquaculture development programme which ensures sustainable use of resources (soil, water, aquatic organisms) and optimizes the economic benefits.⁴⁰⁵⁷

On 9 December 2021, the Ministry of Environment and Sustainable Development reported receiving USD70 million from the Inter-American Development Bank for integrated solid waste management and a commitment to eliminate 5,000 open dumps in the country.⁴⁰⁵⁸

On 22 December 2021, the Ministry of Environment and Sustainable Development presented the National Strategy for Sustainable Consumption and Production that seeks to promote the decoupling of economic growth from environmental degradation and resource-intensive use towards a just transition. Key strategic areas include resource efficiency; pollution reduction; sustainable consumption and lifestyles; innovation and knowledge; public leadership; and information and awareness.⁴⁰⁵⁹

On 19 January 2022, Minister Cabandié participated in the launch of the National Renewable Cluster to expand electricity supply and care for the environment. Forming a cluster to build future solar parks is said to increase the share of renewable energy in energy matrix as part of the commitment Argentina have made to the energy transition.⁴⁰⁶⁰

On 3 February 2022, the Ministry of Environment and Sustainable Development introduced a programme to support indigenous people who conserve natural ecosystems in their territories. It aims to build capacity and provide resources so that communities can be aware of the values of biodiversity in their territories, develop management plans for its conservation and sustainable use, as well as facilitate the commercialization of products and promote community tourism.⁴⁰⁶¹

On 15 March 2022, Secretary of Climate Change, Sustainable Development and Innovation Rodrigo Rodriguez Tornquist held a meeting with the Australian Ambassador to Argentina Brett Hackett to review the common agenda that both countries have in relation to climate change: climate crisis adaptation plans, the development

⁴⁰⁵⁶ MERCOSUR environment ministers announce the creation of a new negotiating group on climate change, Ministry of Environment and Sustainable Development (Buenos Aires) 11 November 2021. Translation provided by DeepL Translate. Access Date: 22 February 2022. <https://www.argentina.gob.ar/noticias/los-ministros-de-ambiente-del-mercosur-anunciaron-la-creacion-de-un-nuevo-grupo-de>

⁴⁰⁵⁷ The National Programme for Sustainable Aquaculture Development, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 17 November 2021. Translation provided by DeepL Translate. Access Date: 7 March 2022. <https://www.argentina.gob.ar/noticias/se-creo-el-programa-nacional-de-desarrollo-acuicola-sustentable>

⁴⁰⁵⁸ Second phase of the waste management loan, Ministry of Environment and Sustainable Development (Buenos Aires) 9 December 2021. Translation provided by DeepL Translate. Access Date: 22 February 2022.

<https://www.argentina.gob.ar/noticias/gracias-al-alto-nivel-de-ejecucion-y-gestion-de-ambiente-el-bid-aprobo-una-segunda-etapa>

⁴⁰⁵⁹ National Strategy for Sustainable Consumption and Production, Ministry of Environment and Sustainable Development (Buenos Aires) 22 December 2021. Translation provided by DeepL Translate. Access Date: 24 February 2022.

<https://www.argentina.gob.ar/noticias/ambiente-elaboro-la-estrategia-nacional-de-consumo-y-produccion-sostenible>

⁴⁰⁶⁰ National Renewable Cluster to develop energy from sustainable sources, Ministry of Environment and Sustainable Development (Buenos Aires) 19 January 2022. Translation provided by DeepL Translate. Access Date: 24 February 2022.

<https://www.argentina.gob.ar/noticias/ambiente-participo-del-lanzamiento-del-cluster-renovable-nacional-para-desarrollar-energias>

⁴⁰⁶¹ Support indigenous peoples and farmers who conserve natural ecosystems in their territories, Ministry of Environment and Sustainable Development (Buenos Aires) 3 February 2022. Translation provided by DeepL Translate. Access Date: 25 February 2022.

<https://www.argentina.gob.ar/noticias/se-creo-un-programa-de-apoyo-pueblos-origenarios-y-campesinos-que-conserven-ecosistemas>

of good environmental assessment practices and the promotion of green hydrogen production in the energy transition.⁴⁰⁶²

On 22 March 2022, President Fernandez chaired first National Climate Change Cabinet meeting of the year. Argentina has proposed a debt-for-environment swap with multilateral lending institutions.⁴⁰⁶³

Argentina has taken strong actions to support natural eco-systems restoration and biodiversity, natural habitat rehabilitation, forest wildfire mitigation and reducing adverse impacts of climate change-induced conditions on local communities. The Government launched national sustainable aquaculture development program to ensure sustainable use of resources and optimize the economic benefits, National Strategy for sustainable consumption and production to promote decoupling of economic growth from environmental degradation and resource-intensive use towards a just transition and created joint negotiating group with other countries to focus on agriculture, global food security and the region's ecosystems. Also, during the monitoring period no policy actions, which may cause harm to the climate and environment have been found.

Thus, Argentina receives a score of +1.

Analyst: Elena Alekseeva

Australia: 0

Australia has partially complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 10 November 2021, the government pledged to establish a new AUD1 billion fund to promote development of low emissions technologies. The Low Emissions Technology Commercialization Fund would combine AUD500 million of governmental spendings along with AUD500 million of private investments. The Fund is said to back Australian companies at early stages of new technologies development.⁴⁰⁶⁴

On 18 November 2021, the government pledged to grant AUD44 million funding under the Modern Manufacturing Initiative to six Australian companies operating in recycling, renewables and sustainable manufacturing. Government funding would help to create jobs, scale-up recycling process and find new export opportunities.⁴⁰⁶⁵

On 13 December 2021, Australia and Korea signed a cooperation agreement on clean energy technologies development. The parties pledge to invest AUD100 million together to lower carbon emissions, create jobs in renewables and support overall economic growth.⁴⁰⁶⁶

⁴⁰⁶² Environment strengthens the climate agenda at the international level, Ministry of Environment and Sustainable Development (Buenos Aires) 15 March 2022. Translation provided by DeepL Translate. Access Date: 23 March 2022. <https://www.argentina.gob.ar/noticias/ambiente-fortalece-la-agenda-climatica-nivel-internacional>

⁴⁰⁶³ The first meeting of the National Cabinet on Climate Change of the year, Ministry of Environment and Sustainable Development (Buenos Aires) 22 March 2022. Translation provided by DeepL Translate. Access Date: 23 March 2022. <https://www.argentina.gob.ar/noticias/alberto-fernandez-encabezo-la-primera-reunion-del-gabinete-nacional-de-cambio-climatico-0>

⁴⁰⁶⁴ Billion dollar fund to drive low emissions technology investment, the Hon Angus Taylor MP 10 November 2021. Access Date: 22 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/billion-dollar-fund-drive-low-emissions-technology-investment>

⁴⁰⁶⁵ Supporting manufacturers to drive down emissions and grow recycling, the Hon Angus Taylor MP 18 November 2021. Access Date: 22 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/supporting-manufacturers-drive-down-emissions-and-grow-recycling>

⁴⁰⁶⁶ Australia and Republic of Korea sign new deals on clean energy tech and critical minerals, the Hon Angus Taylor MP 13 December 2021. Access Date: 22 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/australia-and-republic-korea-sign-new-deals-clean-energy-tech-and-critical-minerals>

On 7 January 2022, Australia and Japan signed a bilateral agreement to facilitate trade in hydrogen. The Government plans to attract foreign investment into local supply chains. The Australian Clean Hydrogen Trade Program would channelize AUD150 million to this end.⁴⁰⁶⁷

On 15 February 2022, Australia and India signed six bilateral agreements on cooperative low emissions technology development. The parties aim at making low and zero emission technologies cost-effective and competitive with higher emitting alternatives. The Government pledged to invest AUD565.8 to support international partnerships of this kind. Also, the allocated money would facilitate creation of 2500 jobs in Australia-based low emission projects.⁴⁰⁶⁸

On 8 March 2022, the Government entered an agreement with Germany to promote hydrogen innovations. The parties committed to provide AUD50 million and EUR50 million investments respectively; allocated sums would facilitate establishment of renewable hydrogen supply chains.⁴⁰⁶⁹

On 11 March 2022, the Government announced that it would invest AUD5.8 million to realize strategic and economic priorities under Australia-India three-year Minerals Investment Partnership. The project is said to benefit renewable energy sector as well as automobile production, defense, telecommunications, aerospace and agriculture.⁴⁰⁷⁰

On 14 March 2022, the Government released the allocation plan for offshore natural resource exploration. The plan implies intensification of oil field exploitation to facilitate the country's energy security amid the crisis. The bids for 21 areas across Australia coastline are to be assessed by the National Offshore Petroleum Titles Administrator.⁴⁰⁷¹

On 15 March 2022, the Government allocated AUD8.5 million through the Clean Energy Finance Corporation to develop a renewable energy park in the Gippsland region. The park is said to facilitate the country's energy transition as well as provide the local population with jobs.⁴⁰⁷²

On 15 March 2022, the Government announced its intention to invest AUD217 million to support national steel production. Enhanced steel production is said to facilitate renewable energy projects as well as the local defense sector. Also, the Government plans to create more 1000 jobs in steel production and adjacent industries.⁴⁰⁷³

On 15 March 2022, Secretary of Climate Change, Sustainable Development and Innovation Rodrigo Rodriguez Tornquist held a meeting with the Australian Ambassador to Argentina Brett Hackett to review the common

⁴⁰⁶⁷ Australia Japan Clean Hydrogen Trade Partnership, the Hon Angus Taylor MP 7 January 2022. Access Date: 22 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/australia-japan-clean-hydrogen-trade-partnership>

⁴⁰⁶⁸ Australia enters into sixth bilateral low emissions technology partnership, the Hon Angus Taylor MP 15 February 2022. Access Date: 21 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/australia-enters-sixth-bilateral-low-emissions-technology-partnership>

⁴⁰⁶⁹ Australia-Germany Hydrogen Incubator funding round opens, the Hon Angus Taylor 8 March 2022. Access Date: 22 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/australia-germany-hydrogen-incubator-funding-round-opens>

⁴⁰⁷⁰ India partnership to boost Australian critical minerals sector, the Hon Keith Pitt MP 11 March 2022. Access Date: 21 March 2022. <https://www.minister.industry.gov.au/ministers/pitt/media-releases/india-partnership-boost-australian-critical-minerals-sector>

⁴⁰⁷¹ Developing our offshore petroleum resources to ensure our energy security, the Hon Leith Pitt MP 14 March 2022. Access Date: 21 March 2022. <https://www.minister.industry.gov.au/ministers/pitt/media-releases/developing-our-offshore-petroleum-resources-ensure-our-energy-security>

⁴⁰⁷² \$8.5M to build innovative Gippsland Renewable Energy park, the Hon Tim Wilson MP 15 March 2022. Access Date: 21 March 2022. <https://www.minister.industry.gov.au/ministers/wilson/media-releases/85m-build-innovative-gippsland-renewable-energy-park>

⁴⁰⁷³ Securing the future of Australian steel, the Hon Angus Taylor MP 15 March 2022. Access Date: 21 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/securing-future-australian-steel>

agenda that both countries have in relation to climate change: climate crisis adaptation plans, the development of good environmental assessment practices and the promotion of green hydrogen production in the energy transition.⁴⁰⁷⁴

Australia has taken strong action to promote clean energy production and allocated sufficient financial resources to fulfil national obligations under green transition agenda. However, within the monitoring period Australia has also taken steps to promote local industrial production namely steel production that could potentially cause harm to the environment.

Thus, Australia receives a score of 0.

Analyst: Alexander Ignatov

Brazil: +1

Brazil has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 31 October 2021, on the first day of the United Nations Climate Change Conference (COP26) the government announced that it was committed to reducing greenhouse gas emissions by 50 per cent by 2030 with an ultimate goal of reaching carbon neutrality by 2050. Brazil also shared its plans to eliminate illegal deforestation in the country.⁴⁰⁷⁵ The explicit actions for the country to reach this goal are contained in the document “Guidelines for a National Strategy for Climate Neutrality,” presented at the event. The publication includes the “National Plan for the Control of Illegal Deforestation and Recovery of Native Vegetation 2020-2023.”⁴⁰⁷⁶

On 17 January 2021, the Ministry of Mines and Energy affirmed the decision of the National Energy Policy Council to maintain the mandatory biodiesel content in diesel fuel at 10 per cent throughout 2022. This policy is aimed at reducing carbon emissions resulting from the use of diesel fuel and promote the clean bioenergy sector. It also acts as one of the staples of the Guidelines for a National Strategy for Climate Neutrality.⁴⁰⁷⁷

On 18 January 2022, the Ministry of Mines and Energy published a report on the importance of the building sector for energy consumption. The report, titled “Implementing the Paris Agreement and Reducing Greenhouse Gas Emissions Throughout the Life Cycle of Buildings: European Public Policies, Tools and Market Initiatives,” was prepared by the Buildings Performance Institute Europe in partnership with the Ministry. The study presents public policies developed to assist in the adoption of strategies and reduce the environmental impact of the building sector.⁴⁰⁷⁸

⁴⁰⁷⁴ Environment strengthens the climate agenda at the international level, Ministry of Environment and Sustainable Development (Buenos Aires) 15 March 2022. Access Date: 23 March 2022. <https://www.argentina.gob.ar/noticias/ambiente-fortalece-la-agenda-climatica-nivel-internacional>

⁴⁰⁷⁵ Brazil ends first week of negotiations with important advances, Brazilian Government (Brasilia) 6 November 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.gov.br/mma/pt-br/noticias/brasil-encerra-primeira-semana-de-negociacoes-com-importantes-avancos>.

⁴⁰⁷⁶ Guidelines for a National Strategy for Climate Neutrality, Brazilian Government (Brasilia) 31 October 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.gov.br/mma/pt-br/DiretrizesparaumaEstrategiaNacionalparaNeutralidadeClimtica.pdf>.

⁴⁰⁷⁷ MME reaffirms the correctness of the CNPE decision to maintain the biodiesel content in diesel at 10% throughout 2022, Brazilian Government (Brasilia) 17 January 2022. 2021. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.gov.br/mme/pt-br/assuntos/noticias/mme-reefirma-o-acerto-da-decisao-do-cnpe-de-manter-o-teor-de-biodiesel-no-diesel-em-10-ao-longo-de-2022>.

⁴⁰⁷⁸ MME publishes report on the importance of buildings in energy consumption, Brazilian Government (Brasilia) 19 January 2022. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.gov.br/mme/pt-br/assuntos/noticias/mme-publica-relatorio-sobre-importancia-de-edificacoes-no-consumo-energetico>.

On 31 January 2022, the government announced the investment of BRL6 billion (USD1.14 billion) in energy and infrastructure in Rio de Janeiro. The investment includes the construction of the country's largest natural gas-fired power plant as well as the expansion of road, railroad and port infrastructure. The primary objective of the whole investment project is the construction of the GNA II Thermoelectric Plant, which is expected to become be the biggest gas-fired thermal plant in the country and contribute to the Brazilian energy security, supplying energy to 14 million homes.⁴⁰⁷⁹

On 21 March 2022, the Ministry of Mines and Energy and the Ministry of Environment launched a set of incentive measures for the production and sustainable use of biomethane. The initiative contributes to the commitments made by the country during COP26. The document, signed by Brazil and more than a hundred other countries, provides for a global effort to reduce methane emissions by 30 per cent by 2030 in relation to the 2020 levels. The MMA Administrative Rule no. 71, dated 21 March 2022, establishes the National Program for Methane Emission Reduction and the Special Regime of Incentives for Infrastructure Development.⁴⁰⁸⁰

On 13 April 2022, through the Decree No. 11.044, the Brazilian Government launched the Certificate of Recycling Credit (Recicla+) Program. The measure aims to provide an injection of estimated BRL14 billion (USD 2.96 billion) in private investment in the recycling of products and discarded packaging.⁴⁰⁸¹

On 13 April 2022, President Jair Bolsonaro, signed a Federal Decree No. 11.043, establishing the National Solid Waste Plan (Planares). The plan includes guidelines, strategies, actions and sets targets to modernize solid waste management in the country, in order to put into practice the objectives set out in the National Policy for Solid Waste - Law No. 12.305 of 2010. Among the objectives set by the plan is the elimination of all landfill sites in the country by 2024.⁴⁰⁸²

On 26 April 2022, the government, in particular, the ministries of the Environment and the Ministry of Mines and Energy published the joint Interministerial Ordinance No. 107, of 25 April 2022, which provides for the controlled elimination of polychlorinated biphenyls (PCBs), approves the PCB Management Manual for electric equipment and implements the PCB National Inventory system. PCBs are a class of persistent organic pollutants, banned by the Stockholm Convention in 2001.⁴⁰⁸³

Brazil allocated funds for climate change adaptation and mitigation, while taking no policy actions, which could cause harm to the climate and environment.

Thus, Brazil receives a score of +1.

Analyst: Andrei Sakharov

⁴⁰⁷⁹ Federal Government announces investments in energy and infrastructure for Rio de Janeiro, Brazilian Government (Brasilia) 31 January 2022. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.gov.br/mme/pt-br/assuntos/noticias/governo-federal-anuncia-investimentos-em-energia-e-infraestrutura-para-o-rio-de-janeiro>.

⁴⁰⁸⁰ Federal Government launches measures to encourage the production and sustainable use of biomethane, Ministry of the Environment (Brasilia) 21 March 2022. Access Date: 30 May 2022. <https://www.gov.br/mma/pt-br/noticias/governo-federal-lanca-medidas-de-incentivo-a-producao-e-ao-uso-sustentavel-do-biometano>.

⁴⁰⁸¹ Federal Government launches Recycling Credit Certificate – Recicla+, Ministry of the Environment (Brasilia) 13 April 2022. Access Date: 30 May 2022. <https://www.gov.br/mma/pt-br/noticias/governo-federal-lanca-certificado-de-credito-de-reciclagem-2013-recicla>.

⁴⁰⁸² Federal Government ends the wait of more than 10 years and publishes decree on the National Solid Waste Plan, Ministry of the Environment (Brasilia) 14 April 2022. Access Date: 30 May 2022. <https://www.gov.br/mma/pt-br/noticias/governo-federal-acaba-com-a-espera-de-mais-de-10-anos-e-publica-decreto-do-plano-nacional-de-residuos-solidos>.

⁴⁰⁸³ Government regulates controlled disposal of toxic substances, Ministry of the Environment (Brasilia) 26 April 2022. Access Date: 30 May 2022. <https://www.gov.br/mma/pt-br/noticias/governo-regulamenta-eliminacao-controlada-de-substancias-toxicas>.

Canada: +1

Canada has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 2 November 2021, Minister of Environment and Climate Change Steven Guilbeault announced that Canada will contribute CAD37.5 million to the Least Developed Countries Fund, up to CAD10 million to the Adaptation Fund that in its turn will support vulnerable countries against the devastating impacts of climate change, and up to CAD10 million for the National Adaptation Plan Global Network at the African Adaptation Acceleration Summit. Funding for these important initiatives comes from Canada's CAD5.3 billion international climate finance commitment over the next five years. It was also announced that Canada will increase its provision of funding towards climate adaptation to a minimum of 40 per cent.⁴⁰⁸⁴

On 3 November 2021, Minister for Environment, Nature Conservation and Nuclear Safety Jonathan Wilkinson highlighted the joint Canada-Germany Climate Finance Delivery Plan. The Delivery Plan sheds light on when and how developed countries will meet the CAD100 billion annual climate finance goal through to 2025. The Plan suggests a trajectory of climate finance from through to 2025 — taking into account new climate finance incentives including pledges from developed countries and multilateral development banks, as well as collective actions to improve the delivery of climate finance.⁴⁰⁸⁵

On 3 November 2021, Minister of Innovation, Science and Industry François-Philippe Champagne and Minister of Environment and Climate Change Steven Guilbeault announced an investment of CAD20 million in GHGSat, of Montréal, Quebec, through Sustainable Development Technology Canada (SDTC). GHGSat will use this funding to increase the number of high-tech satellites that track greenhouse gas emissions from the Earth's orbit. This space-based system for greenhouse gas monitoring uses spectrometer imaging to obtain high-resolution images of methane emissions.⁴⁰⁸⁶

On 6 November 2021, the government announced that at least 20 per cent of its CAD5.3 billion climate finance commitment to nature-based climate solutions with biodiversity co-benefits will be allocated in developing countries over the next five years.⁴⁰⁸⁷

On 6 November 2021, Minister Guilbeault announced that the government would invest CAD460 million over five years to protect and expand twenty-two of Canada's national wildlife areas. This funding will also give the government an opportunity to create ten new national parks and four new freshwater marine conservation areas, at the same time working in order to acquire the territory needed to expand and complete existing national parks.⁴⁰⁸⁸

On 9 November 2021, Minister Guilbeault announced that the government would invest CAD10 million over five years towards the Climate and Clean Air Coalition Trust Fund. This step was announced at the Climate

⁴⁰⁸⁴ Canada's climate finance commitments are helping developing countries adapt to climate change (Glasgow) 2 November 2021. Access Date: 5 February 2022 <https://www.canada.ca/en/environment-climate-change/news/2021/11/canadas-climate-finance-commitments-are-helping-developing-countries-adapt-to-climate-change.html>

⁴⁰⁸⁵ Climate Finance Delivery Plan Co-led by Canada and Germany Highlighted on Day Three of COP26, Government of Canada (Glasgow) 3 November 2021. Access Date: 5 February 2022 <https://www.canada.ca/en/natural-resources-canada/news/2021/11/climate-finance-delivery-plan-co-led-by-canada-and-germany-highlighted-on-day-three-of-cop26.html>

⁴⁰⁸⁶ Government of Canada supports world-leading Canadian satellite-based emissions detection system, Government of Canada (Ottawa) 3 November 2021. Access Date: 5 February 2022 <https://www.canada.ca/en/innovation-science-economic-development/news/2021/11/government-of-canada-supports-world-leading-canadian-satellite-based-emissions-detection-system.html>

⁴⁰⁸⁷ Canada to ensure that more than \$1B of its climate finance addresses the twin crises of climate change and biodiversity loss, Government of Canada (Glasgow) 6 November 2021. Access Date: 5 February 2022 <https://www.canada.ca/en/environment-climate-change/news/2021/11/canada-to-ensure-that-more-than-1b-of-its-climate-finance-addresses-the-twin-crises-of-climate-change-and-biodiversity-loss.html>

⁴⁰⁸⁸ The Government of Canada increases nature protection ambition to address dual crises of biodiversity loss and climate change, Government of Canada (Ottawa) 6 November 2021. Access Date: 5 February 2022 <https://www.canada.ca/en/environment-climate-change/news/2021/11/the-government-of-canada-increases-nature-protection-ambition-to-address-dual-crises-of-biodiversity-loss-and-climate-change.html>

and Clean Air Ministerial, conveyed by the Special Presidential Envoy for Climate, John Kerry, and Ghana's Minister of Environment, Science, Technology and Innovation, Kwaku Afriyie, where members committed to step up ambition and action to address climate and air issues, with a special focus on reducing methane emissions.⁴⁰⁸⁹

On 10 November 2021, Canada signed four declarations to accelerate international partnerships to tackle climate change by reducing carbon pollution from transportation.⁴⁰⁹⁰

On 22 November 2021, Minister of Indigenous Services Patty Hajdu announced that Indigenous Services Canada has received and approved a funding request through the Emergency Management Assistance Program for CAD4.4 million in additional funding to the British Columbia First Nations' Emergency Services Society. These financial resources be used in order to support the First Nations' Emergency Services Society as they assist First Nations in their response to the widespread flooding.⁴⁰⁹¹

On 22 November 2021, Minister Guilbeault announced that the Government of Canada is issuing an Emergency Order to protect Western Chorus Frog habitat in Longueuil, Quebec. The Emergency Order follows a threat assessment by Environment and Climate Change Canada based on the best available information, including the most recent science and all data and documentation provided by both governmental and non-governmental organizations of Canada.⁴⁰⁹²

On 29 November 2021, Minister Champagne and President of the Treasury Board Mona Fortier announced an investment of CAD3.4 million in Ottawa-based SmartCone Technologies through the SDTC.⁴⁰⁹³

On 3 December 2021, Minister Guilbeault announced that the government is launching a series of early consultations on key, new emissions reductions measures before the end of the year. The Minister also confirmed that he will table the 2030 Emissions Reduction Plan—as required by the new Canadian Net-Zero Emissions Accountability Act—by the end of March 2022.⁴⁰⁹⁴

On 7 December 2021, Minister Guilbeault announced that applications are now being accepted for the Nature Smart Climate Solutions Fund. With up to CAD200 million available over the next five years, the funding will

⁴⁰⁸⁹ The Government of Canada supports climate and clean air initiatives that will help developing countries reduce methane emissions, Government of Canada (Glasgow) 9 November 2021. Access Date: 5 February 2022 <https://www.canada.ca/en/environment-climate-change/news/2021/11/the-government-of-canada-supports-climate-and-clean-air-initiatives-that-will-help-developing-countries-reduce-methane-emissions.html>

⁴⁰⁹⁰ Minister of Transport advances Canada's efforts to fight climate change at COP26, Government of Canada (Glasgow) 10 November 2021. Access Date: 5 February 2022 <https://www.canada.ca/en/transport-canada/news/2021/11/minister-of-transport-advances-canadas-efforts-to-fight-climate-change-at-cop26.html>

⁴⁰⁹¹ Indigenous Services Canada providing funding to support First Nations in British Columbia affected by recent flooding, Government of Canada (Ottawa) 22 November 2021. Access Date: 5 February 2022. <https://www.canada.ca/en/indigenous-services-canada/news/2021/11/indigenous-services-canada-providing-funding-to-support-first-nations-in-british-columbia-affected-by-recent-flooding.html>

⁴⁰⁹² Canada takes action to protect important Western Chorus Frog habitat in Longueuil, Quebec, Government of Canada (Ottawa) 22 November 2021. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2021/11/canada-takes-action-to-protect-important-western-chorus-frog-habitat-in-longueuil-quebec.html>

⁴⁰⁹³ Government of Canada funds forward-thinking company developing smart transit technology to reduce greenhouse gas emissions, Government of Canada (Ottawa) 29 November 2021. Access Date: 5 February 2022. <https://www.canada.ca/en/innovation-science-economic-development/news/2021/11/government-of-canada-funds-forward-thinking-company-developing-smart-transit-technology-to-reduce-greenhouse-gas-emissions.html>

⁴⁰⁹⁴ Canada to launch consultations on new climate commitments this month, establish Emissions Reduction Plan by the end of March 2022, Government of Canada (Calgary) 3 December 2021. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2021/12/canada-to-launch-consultations-on-new-climate-commitments-this-month-establish-emissions-reduction-plan-by-the-end-of-march-2022.html>

help individuals and organizations reduce Canada's greenhouse gas emissions by conserving, restoring, and enhancing the management of critical ecosystems.⁴⁰⁹⁵

On 8 December 2021, Minister Guilbeault announced more than CAD5.4 million in funding through the Habitat Stewardship Program and the Aboriginal Fund for Species at Risk to support 105 species at risk conservation projects for 2021–2022.⁴⁰⁹⁶

On 17 December 2021, Minister Wilkinson and Minister Guilbeault announced two new resources to help support adaptation to climate change and strengthen resilience in Atlantic Canada.⁴⁰⁹⁷

On 17 December 2021, Minister Guilbeault announced close to CAD4 million in funding to support 52 new projects over the next four years under the EcoAction Community Funding Program.⁴⁰⁹⁸

On 17 December 2021, Minister Guilbeault released a discussion document to support consultations on accelerating Canada's adoption of zero-emission light-duty vehicles.⁴⁰⁹⁹

On 21 December 2021, Minister Guilbeault released a report confirming that Canada is on track to meet the goal of reducing methane emissions from the oil and gas sector by 40–45 per cent by 2025.⁴¹⁰⁰

On 13 January 2022, President of the Queen's Privy Council Bill Blair and Minister of Emergency Preparedness, and Minister Guilbeault officially thanked the Council of Canadian Academies and the Expert Panel on Disaster Resilience in a Changing Climate for their report, *Building a Resilient Canada*.⁴¹⁰¹

On 17 January 2022, Minister of Northern Affairs, Prairies Economic Development and the Canadian Northern Economic Development Agency Daniel Vandal announced an investment of more than

⁴⁰⁹⁵ Government of Canada announces \$200M to address climate change by restoring carbon-rich ecosystems through nature-based solutions, Government of Canada (Ottawa) 7 December 2021. Access Date: 5 February 2022.

<https://www.canada.ca/en/environment-climate-change/news/2021/12/government-of-canada-announces-200m-to-address-climate-change-by-restoring-carbon-rich-ecosystems-through-nature-based-solutions.html>

⁴⁰⁹⁶ Government of Canada announces funding for protection of species at risk and their habitats, Government of Canada (Ottawa) 8 December 2021. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2021/12/government-of-canada-announces-funding-for-protection-of-species-at-risk-and-their-habitats.html>

⁴⁰⁹⁷ Government of Canada Announces New Resources to Strengthen Adaptation and Resilience to Climate Change in the Atlantic Provinces, Government of Canada (Ottawa) 17 December 2021. Access Date: 5 February 2022.

<https://www.canada.ca/en/natural-resources-canada/news/2021/12/government-of-canada-announces-new-resources-to-strengthen-adaptation-and-resilience-to-climate-change-in-the-atlantic-provinces.html>

⁴⁰⁹⁸ Canada supports community-based action on freshwater protection through the EcoAction Program, Government of Canada (Gatineau) 17 December 2021. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2021/12/canada-supports-community-based-action-on-freshwater-protection-through-the-ecoaction-program.html>

⁴⁰⁹⁹ Government launches consultations on commitment to require all new cars sold in Canada be zero emission by 2035, Government of Canada (Ottawa) 17 December 2021. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2021/12/government-launches-consultations-on-commitment-to-require-all-new-cars-sold-in-canada-be-zero-emission-by-2035.html>

⁴¹⁰⁰ Canada publishes progress report towards 2025 methane emissions reduction target and launches consultations on 2030 target, Government of Canada (Gatineau) 21 December 2021. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2021/12/canada-publishes-progress-report-towards-2025-methane-emissions-reduction-target-and-launches-consultations-on-2030-target.html>

⁴¹⁰¹ Government of Canada welcomes Council of Canadian Academies' report *Building a Resilient Canada*, Government of Canada (Ottawa) 13 January 2022. Access Date: 5 February 2022. <https://www.canada.ca/en/public-safety-canada/news/2022/01/government-of-canada-welcomes-council-of-canadian-academies-report-building-a-resilient-canada.html>

CAD5.6 million in support of eight projects across Alberta that will help communities attract investment, create jobs and transition towards a greener economy.⁴¹⁰²

On 20 January 2022, Minister Champagne and Julie Dabrusin, Parliamentary Secretary to the Minister of Natural Resources and to the Minister of Environment and Climate Change, announced the release of *Resourceful, Resilient, Ready: Canada's Strategy for Satellite Earth Observation*, which describes how Canada will take full advantage of the unique vantage point of space to address climate change and other key challenges of our time.⁴¹⁰³

On 27 January 2022, Minister Guilbeault announced that the second round of applications is open for CAD200 million through the Low Carbon Economy Fund's Champions stream, which supports a wide range of local pollution-cutting initiatives in communities across Canada.⁴¹⁰⁴

On 27 January 2022, Minister of Intergovernmental Affairs, Infrastructure and Communities Dominic LeBlanc launched a call for applications for new projects that will support public transit systems across Canada. Starting applications to the Zero Emission Transit Fund, the Active Transportation Fund and the Rural Transit Solutions Fund will be accepted. These funds will help shorten people's commutes, grow a strong, healthy economy, and fight climate change.⁴¹⁰⁵

On 28 January 2022, Minister Guilbeault announced the launch of consultations on two important measures to reduce methane emissions from landfills. Reducing these emissions will help the Government of Canada achieve its 2030 targets to reduce overall greenhouse gas emissions by 40 to 45 per cent below 2005 levels and to reduce methane emissions by 30 per cent as part of its commitment to the Global Methane Pledge.⁴¹⁰⁶

On 2 February 2022, Minister Guilbeault and Chief Peter Powder of the Mikisew Cree First Nation announced a large expansion of the Kitaskino Nuwenënë Wildland Park in Northern Alberta. Through CAD5.3 million in funding under the Canada Nature Fund, the Mikisew Cree First Nation and the Government of Alberta have expanded the park's existing western border. This collaboration expands the park by 1,438 square kilometers and significantly adds to the largest connected area of protected boreal forest in the world.⁴¹⁰⁷

⁴¹⁰² Government of Canada invests in greener economic opportunity in Alberta, Government of Canada (Edmonton) 17 January 2022. Access Date: 5 February 2022. <https://www.canada.ca/en/prairies-economic-development/news/2022/01/government-of-canada-invests-in-greener-economic-opportunity-in-alberta.html>

⁴¹⁰³ Canada announces strategy for satellite Earth observation, Government of Canada (Longueuil) 20 January 2022. Access Date: 5 February 2022. <https://www.canada.ca/en/space-agency/news/2022/01/canada-announces-strategy-for-satellite-earth-observation.html>

⁴¹⁰⁴ Canada launches applications for \$200 million fund to support pollution-cutting projects through the Low Carbon Economy Fund, Government of Canada (Gatineau) 27 January 2022. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2022/01/canada-launches-applications-for-200-million-fund-to-support-pollution-cutting-projects-through-the-low-carbon-economy-fund.html>

⁴¹⁰⁵ Government of Canada calls for applications for funding to expand public transit, Government of Canada (Ottawa) 27 January 2022. Access Date: 5 February 2022. <https://www.canada.ca/en/office-infrastructure/news/2022/01/government-of-canada-calls-for-applications-for-funding-to-expand-public-transit.html>

⁴¹⁰⁶ Government of Canada seeks feedback on new measures to reduce pollution from Canada's landfills, Government of Canada (Gatineau) 28 January 2022. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2022/01/government-of-canada-seeks-feedback-on-new-measures-to-reduce-pollution-from-canadas-landfills.html>

⁴¹⁰⁷ Government of Canada supports the expansion of Kitaskino Nuwenënë Wildland Park and boosts conservation efforts, Government of Canada (Gatineau) 2 February 2022. Access Date: 5 February 2022. <https://www.canada.ca/en/environment-climate-change/news/2022/02/government-of-canada-supports-the-expansion-of-kitaskino-nuwenene-wildland-park-and-boosts-conservation-efforts.html>

On 9 February 2022, the government introduced in the Senate the bill Strengthening Environmental Protection for a Healthier Canada Act, which would modernize the Canadian Environmental Protection Act, 1999 for the first time in 20 years and make related amendments to the Food and Drugs Act.⁴¹⁰⁸

On 14 February 2022, Minister Guilbeault launched the Output-Based Pricing System Proceeds Fund, a new program to support industrial initiatives that reduce greenhouse gas emissions and deploy clean technology and green energy. The program will use the proceeds of Canada's carbon pollution pricing system for heavy industry—collected in Manitoba, New Brunswick, Ontario, and Saskatchewan—to support low carbon technology projects in those provinces. Approximately CAD161 million from the 2019 compliance period will go towards projects that reduce carbon pollution.⁴¹⁰⁹

On 17 March 2022, Minister Guilbeault announced that the department is now accepting applications for funding from the Environmental Damages Fund (EDF). More than CAD8.3 million is available to help eligible recipients across the country carry out projects that improve Canada's natural environment. Funding distribution is based on the geographic region in which environmental convictions have resulted in fines and penalties being directed to the EDF.⁴¹¹⁰

On 25 March 2022, Minister Guilbeault launched the Government of Canada's consultations to seek input from the provinces and territories, Indigenous Peoples, industry, and interested stakeholders to inform the design of tougher regulations to achieve at least a 75 per cent reduction in methane emissions from the oil and gas sector by 2030. Building on Canada's progress in lowering methane emissions to date, Environment and Climate Change Canada is seeking input on a number of key topics to cut emissions further.⁴¹¹¹

On 31 March 2022, Minister Guilbeault, Minister Wilkinson, Minister Champagne, Minister of Labour Seamus O'Regan Jr., and government officials participated in the GLOBE Forum 2022, a meeting with business leaders and innovators working to advance the transition to a clean growth economy. A key highlight of the conference was the announcement by Prime Minister Justin Trudeau of the 2030 Emissions Reduction Plan: Canada's Next Steps for Clean Air and a Strong Economy, along with Minister Guilbeault on Tuesday. An important early deliverable under the Canadian Net-Zero Emissions Accountability Act, the plan is a sector-by-sector roadmap of measures needed for Canada to reach its ambitious greenhouse gas emission reduction targets of at least 40 per cent below 2005 levels by 2030, and net-zero emissions by 2050.⁴¹¹²

On 11 April 2022, Minister Guilbeault highlighted the Government's plan to invest CAD547.5 million over four years to launch a new purchase incentive program for medium- and heavy-duty zero-emission vehicles to help businesses upgrade their fleets. Minister Guilbeault made the announcement at Motrec International Inc., a global company based in Canada that builds industrial electric vehicles. Minister Guilbeault was joined by the

⁴¹⁰⁸ Strengthening protections for Canadians and the environment from harmful chemicals and pollutants, Government of Canada (Gatineau) 9 February 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/02/strengthening-protections-for-canadians-and-the-environment-from-harmful-chemicals-and-pollutants.html>

⁴¹⁰⁹ Canada launches new fund to reinvest proceeds from carbon pollution pricing system and reduce industrial greenhouse gas emissions, Government of Canada (Gatineau) 14 February 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/02/canada-launches-new-fund-to-reinvest-proceeds-from-carbon-pollution-pricing-system-and-reduce-industrial-greenhouse-gas-emissions.html>

⁴¹¹⁰ Over \$8.3 million from penalties for environmental infractions now available for conservation and restoration projects across Canada, Government of Canada (Gatineau) 17 March 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/03/over-83-million-from-penalties-for-environmental-infractions-now-available-for-conservation-and-restoration-projects-across-canada.html>

⁴¹¹¹ Government of Canada launches next steps towards deeper methane reductions from oil and gas, Government of Canada (Gatineau) 25 March 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/03/government-of-canada-launches-next-steps-towards-deeper-methane-reductions-from-oil-and-gas.html>

⁴¹¹² Government of Canada advances climate action at GLOBE Forum, Government of Canada (Gatineau) 31 March 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/04/government-of-canada-advances-climate-action-at-globe-forum.html>

Minister of Agriculture and Agri-Food Canada, Marie-Claude Bibeau; the Member of Parliament for Sherbrooke, Élisabeth Brière; and Blair McIntosh, President and CEO of Motrec.⁴¹¹³

On 21 April 2022, Member of Parliament for Fredericton Jenica Atwin, on behalf of Minister Guilbeault announced CAD 440,000 in funding for three new projects to directly address water-quality issues in the Wolastoq/Saint John River watershed. The funding comes from the Atlantic Ecosystems Initiatives, which aims to improve the health, productivity, and sustainability of priority ecosystems in Atlantic Canada.⁴¹¹⁴

On 21 April 2022, Member of Parliament for Halifax Andy Fillmore, on behalf of Minister Guilbeault announced CAD554,700 in funding for three new projects to directly address water-quality issues in the Southern Gulf of St. Lawrence and the Wolastoq/Saint John River watersheds. The funding comes from the Atlantic Ecosystems Initiatives, which aim to improve the health, productivity, and sustainability of priority ecosystems in Atlantic Canada.⁴¹¹⁵

On 22 April 2022, Parliamentary Secretary to the Minister of Natural Resources and to the Minister of Environment and Climate Change Julie Dabrusin alongside Councillor for Ward 14 Toronto-Danforth Paula Fletcher and member of the Executive Committee and Board of Directors for Toronto and Region Conservation Authority, celebrated progress made to restore fish and wildlife habitat in the Toronto and Region Area of Concern, with the support of CAD203,000 in funding under the Great Lakes Protection Initiative.⁴¹¹⁶

On 29 April 2022, the government announced an investment of up to CAD17.5 million from the federal Low Carbon Economy Fund and CAD28.5million from the Government of Quebec to support Ciment Québec under the EcoPerformance program. This project will reduce emissions by installing a new energy-efficient cement grinding workshop at the Saint-Basile cement plant. The federal funding comes from the Low Carbon Economy Leadership Fund, which invests in projects that reduce carbon pollution and supports industries to put in place clean technologies that will help them be more efficient and innovative.⁴¹¹⁷

On 5 May 2022, Minister Guilbeault announced a CAD2.8-million investment for SaskPower from the Low Carbon Economy Fund to support its Northern First Nations Home Retrofit Program, which this week is launching its application window for the year. SaskPower is also contributing over CAD1.0 million to support this project, which will provide energy efficiency home retrofits in participating First Nations communities.⁴¹¹⁸

⁴¹¹³ Making electric vehicles more affordable for Quebecers and Quebec businesses, Government of Canada (Gatineau) 11 April 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/04/making-electric-vehicles-more-affordable-for-quebeckers-and-quebec-businesses.html>

⁴¹¹⁴ The Government of Canada supports New Brunswick organizations in keeping water clean and protecting key ecosystems, Government of Canada (Gatineau) 11 April 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/04/the-government-of-canada-supports-new-brunswick-organizations-in-keeping-water-clean-and-protecting-key-ecosystems.html>

⁴¹¹⁵ The Government of Canada supports Nova Scotia organizations in keeping water clean and protecting key ecosystems, Government of Canada (Gatineau) 11 April 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/04/the-government-of-canada-supports-nova-scotia-organizations-in-keeping-water-clean-and-protecting-key-ecosystems.html>

⁴¹¹⁶ The Government of Canada invests in fish and wildlife habitat restoration in the Toronto waterfront, Government of Canada (Gatineau) 22 April 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/04/the-government-of-canada-invests-in-fish-and-wildlife-habitat-restoration-in-the-toronto-waterfront.htm>

⁴¹¹⁷ Canada and the Government of Quebec invest in climate action project by Ciment Québec, Government of Canada (Gatineau) 29 April 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/04/canada-and-the-government-of-quebec-invest-in-climate-action-project-by-ciment-quebec.html>

⁴¹¹⁸ \$2.2-billion expansion of the Low Carbon Economy Fund to support projects like Northern First Nations Home Retrofit Program, Government of Canada (Gatineau) 5 May 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/05/22-billion-expansion-of-the-low-carbon-economy-fund-to-support-projects-like-northern-first-nations-home-retrofit-program.html>

On 16 May 2022, Minister Guilbeault launched a public consultation to develop Canada's first National Adaptation Strategy, a whole-of-society blueprint for coordinated action across the country, ensuring communities and Canadians are prepared for the impacts of climate change. The Minister launched the consultations at a virtual adaptation conference attended by over a thousand participants, including provinces, territories, leaders of National Indigenous Organizations, as well as climate adaptation experts, industry representatives, and members of the public.⁴¹¹⁹

On 24 May 2022, Minister Guilbeault announced CAD 20 million over four years to support four West African countries—Ghana, Liberia, The Gambia, and Togo—to help them build the capacity of their national climate measurement, reporting, and verification (MRV) systems. MRV systems are a crucial step for nations to develop strong and effective mitigation policies and actions because they give governments transparent, accurate, and comparable information on emissions sources. This Canadian climate finance project administered by NovaSphere, a Canadian non-profit organization, will help countries track emission reduction progress as they work towards achieving their goals under the Paris Agreement.⁴¹²⁰

On 25 May 2022, Minister Guilbeault will advance Canada's leadership internationally for cooperation at three important back-to-back gatherings in Europe over the coming week. At these meetings, Minister Guilbeault will push for strong international action to achieve the Paris Agreement goals and keep a 1.5°C temperature rise within reach. Leading on climate action starts at home, which is why Minister Guilbeault will share the details of Canada's new 2030 Emissions Reduction Plan. He will also advocate for agreement on a new global biodiversity framework, and agreement on measures to reduce pollution, including a new legally binding global agreement on plastic waste. International collaboration is the only way to achieve a net-zero economy for the future while protecting the environment and conserving biodiversity for today.⁴¹²¹

On 31 May 2022, Minister Guilbeault hosted the sixth Ministerial on Climate Action (MoCA6) in Stockholm, Sweden. The meeting is occurring at the key halfway point between the 26th Conference of the Parties (COP26) to the United Nations Framework Convention on Climate Change, held in Glasgow in late 2021, and COP27, to be held in Egypt in late 2022.⁴¹²²

On 2 June 2022, Minister Guilbeault and Bhupender Yadav, India's Minister of Environment, Forest and Climate Change, signed a memorandum of understanding to increase bilateral cooperation on climate action, environmental protection and conservation. Both countries agreed to collaborate, exchange information and expertise, and support their respective ambition in a wide range of areas, including increasing renewable energy capacity, decarbonizing heavy industries, reducing plastic pollution, supporting the sound management of chemicals, and ensuring sustainable consumption.⁴¹²³

⁴¹¹⁹ Engaging Canadians on a National Adaptation Strategy to build a climate ready economy and communities, Government of Canada (Gatineau) 16 May 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/05/engaging-canadians-on-a-national-adaptation-strategy-to-build-a-climate-ready-economy-and-communities.html>

⁴¹²⁰ Minister Guilbeault travels to Ghana and announces \$20 million to help four African countries with data systems needed to fight climate change, Government of Canada (Gatineau) 16 May 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/05/minister-guilbeault-travels-to-ghana-and-announces-20-million-to-help-four-african-countries-with-data-systems-needed-to-fight-climate-change.html>

⁴¹²¹ Minister Guilbeault begins climate and environment meetings in Europe to advance international cooperation, Government of Canada (Gatineau) 25 May 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/05/minister-guilbeault-begins-climate-and-environment-meetings-in-europe-to-advance-international-cooperation.html>

⁴¹²² Canada hosts over thirty climate leaders in Sweden to make progress on the environmental goals set out in the Paris Agreement, Government of Canada (Gatineau) 31 May 2022. Access Date: 15 June 2022 <https://www.canada.ca/en/environment-climate-change/news/2022/05/canada-hosts-over-thirty-climate-leaders-in-sweden-to-make-progress-on-the-environmental-goals-set-out-in-the-paris-agreement.html>

⁴¹²³ Canada and India sign Memorandum of Understanding to establish stronger cooperation on environmental protection and climate action, Government of Canada (Gatineau) 2 June 2022. Access Date: 15 June 2022. <https://www.canada.ca/en/environment-climate-change/news/2022/06/canada-and-india-sign-memorandum-of-understanding-to-establish-stronger-cooperation-on-environmental-protection-and-climate-action.html>

Canada allocated funds for climate change adaptation and mitigation, while taking no policy actions, which could cause harm to the climate and environment.

Thus, Canada receives a score of +1.

Analyst: Nikita Shilikov

China: +1

China has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 30 November 2021, China Petroleum and Chemical Corp, launched a project in Kuqa, Xinjiang Uygur autonomous region, building a green hydrogen plant, which would be powered entirely by solar energy. The project is expected to reduce carbon dioxide emissions by 485,000 tons annually after it becomes operational in 2022.⁴¹²⁴

On 7 December 2021, the National Energy Administration of China announced that it would launch the second phase of the wind and solar power projects focusing on the Gobi Desert and other arid regions by 2022. The new power plants are expected to get connected to the grid by 2023-24, generating clean energy for the region.⁴¹²⁵

On 24 January 2022, the State Council released a Comprehensive work plan for energy conservation and emission reduction, detailing the country's efforts "to build and improve an economic structure conducive to green, low-carbon and circular development in its ongoing anti-pollution fight to achieve its carbon peak and neutrality goals" set to be reached by 2060. The Plan is a part of the 14th five-year plan. It contains 10 measures aimed at energy conservation and emissions reduction, including improvements in building and infrastructure sectors, transport and logistics, curbing energy consumption, promoting green technologies, providing stimuli for industrial enterprises to improve waste pollution management and control, and dealing with waste accumulation. According to the plan, by 2025 China aims to reduce energy consumption per unit of gross domestic product by 13.5 per cent from 2020 while keeping total energy consumption "at reasonable levels."⁴¹²⁶

On 29 January 2022, the Civil Aviation Administration of China issued a roadmap for green development during the 14th Five-Year Plan period (2021-2025). The plan set up targets to "make civil aviation smarter, low-carbon and resource-efficient to achieve green transformation," including by optimizing aircraft fuel consumption and reducing airport CO2 emissions.⁴¹²⁷

On 23 March 2022, the National Development and Reform Commission and the National Energy Administration released a plan on the development of hydrogen energy for the 2021-2035. The plan provides for the creation of a complete cycle hydrogen energy industry development system "with the innovation capability significantly improved and the core technologies and manufacturing processes basically mastered."⁴¹²⁸

On 24 May 2022, the General Office of the State Council issued an action plan on controlling new pollutants, including persistent organic pollutants, endocrine disruptors and antibiotics. The plan sets up a new

⁴¹²⁴ Nation moves ahead with ambitious climate goals, State Council of the People's Republic of China (Beijing) 7 January 2022. Access Date: 2 February 2022. http://english.www.gov.cn/news/topnews/202201/07/content_WS61d79648c6d09c94e48a34c1.html.

⁴¹²⁵ More Gobi green projects in pipeline, State Council of the People's Republic of China (Beijing) 7 December 2021. Access Date: 2 February 2022. http://english.www.gov.cn/news/topnews/202112/07/content_WS61aeb114c6d09c94e48a1c9b.html.

⁴¹²⁶ 5-year plan spotlights green development, State Council of the People's Republic of China (Beijing) 24 January 2022. Access Date: 2 February 2022.

http://english.www.gov.cn/policies/latestreleases/202201/24/content_WS61ee88b6c6d09c94e48a4301.html.

⁴¹²⁷ China's civil aviation sets out roadmap for green development, State Council of the People's Republic of China (Beijing) 29 January 2022. Access Date: 2 February 2022.

http://english.www.gov.cn/statecouncil/ministries/202201/29/content_WS61f4ecef6d09c94e48a4879.html

⁴¹²⁸ China maps 2021-2035 plan on hydrogen energy development, State Council of the People's Republic of China (Beijing) 23 March 2022. Access Date: 30 May 2022.

http://english.www.gov.cn/statecouncil/ministries/202203/23/content_WS623ac568c6d02e53353282a4.html.

management system which subjects chemical plants to rigorous inspections and monitoring to evaluate environmental risks and identify new high-risk pollutants. The plan also provides for the establishment and the improvement of the legal and regulatory framework on chemical-related environmental issues, as well as the upgrade of the technology standards system.⁴¹²⁹

On 30 May 2022, the State Council released a circular “on the implementation plan to promote the high-quality development of new energy in the new era,” prepared by the National Development and Reform Commission and the National Energy Administration. The plan provides for the acceleration of the construction of a clean, low-carbon, safe and highly efficient energy system with the total installed electricity capacity of wind and solar power of 1.2 billion kilowatts by 2030.⁴¹³⁰

China allocated funds for climate change adaptation and mitigation, while taking no policy actions, which could cause harm to the climate and environment.

Thus, China receives a score of +1.

Analyst: Andrei Sakharov

France: +1

France has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 15 November 2021, the Ministry of Ecological Transition and the Agency for ecological transition announced the winners of the call for expressions of interest aimed at recruiting technical advisers to support communities in the development of their wind and photovoltaic projects on the occasion of the opening of the Mayors and Local Authorities Fair.⁴¹³¹

On 15 November 2021, Minister for the Ecological Transition Barbara Pompili installed the National Council for the Circular Economy (CNEC). Established by the Climate and Resilience Law, the CNEC takes over from the National Waste Council and the Steering Committee for the Roadmap for the Circular Economy to support the development of the circular economy in France. It is chaired by Member of Parliament for Haute-Savoie and member of the National Assembly’s Sustainable Development and Regional Planning Committee Véronique Riotton.⁴¹³²

On 22 November 2021, the Ministry for Ecological Transition, in partnership with the Ministry for Territorial Cohesion and Relations with local authorities and the various stakeholders launched the first national action plan for sustainable stormwater management. Covering the period 2022-2024, its ambition is to better integrate stormwater management into land-use planning policies, and to make this water a resource in the perspective of cities adapting to climate change.⁴¹³³

⁴¹²⁹ China outlines plan to control new pollutants, State Council of the People’s Republic of China (Beijing) 24 May 2022. Access Date: 30 May 2022. http://english.www.gov.cn/policies/latestreleases/202205/24/content_WS628cd024c6d02e533532b3e1.html.

⁴¹³⁰ China to develop high-quality new energy in new era, State Council of the People’s Republic of China (Beijing) 30 May 2022. Access Date: 30 May 2022. http://english.www.gov.cn/policies/latestreleases/202205/30/content_WS62946dc4c6d02e533532b7e5.html.

⁴¹³¹ Wind and solar projects: technical advisers to support communities, Ministry of the Ecological Transition (Paris) 16 November 2021. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/projets-eoliens-et-solaires-des-conseillers-techniques-accompagner-collectivites>

⁴¹³² Installation of the National Circular Economy Council, Ministry of the Ecological Transition (Paris) 16 November 2021. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/installation-du-conseil-national-leconomie-circulaire>

⁴¹³³ Launch of the first national action plan for stormwater management, Ministry of the Ecological Transition (Paris) 22 November 2021. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/lancement-du-premier-plan-national-dactions-gestion-des-eaux-pluviales>

On 23 November 2021, the new national pollinator plan was launched. Supported by the Ministries of Ecological Transition, and Agriculture and Food, the new pollinator plan covers the period 2021-2026. Broken down into 6 axes, it brings together concrete measures in favor of wild pollinating insects and honey bees, to restore their habitats and improve their available food resources, as well as to restore the ecological services provided by pollination.⁴¹³⁴

On 29 November 2021, new tools of implementation of the National Strategy to Combat Imported Deforestation were presented by Bérangère Abba, Secretary of State for Biodiversity, during the strategy monitoring committee which brought together administrations, businesses, NGOs and research players. This new tool focuses on the risk of deforestation and conversion of Brazilian ecosystems associated with French soybean imports for each importing company. It is based on public, logistical and soon to be customs satellite data, and in particular enables the many signatories of the manifesto for the mobilization of French actors to fight against imported deforestation linked to soy (distributors, manufacturers, importers, etc.).⁴¹³⁵

On 6 December 2021, the government the Greentech Innovation program. This program of the Ministry of Ecological Transition aims to identify and support start-ups that innovate in the service of public policies for ecological transition. The Greentech Innovation approach identifies 20 to 25 start-ups and small and medium-sized enterprises each year. The winners integrate the Greentech Innovation ecosystem and are supported on several aspects: visibility, business opportunities, networking, access to digital tools and public markets.⁴¹³⁶

On 7 December 2021, the first Congress of the Space Climate Observatory, was held by France at the Ministry of Ecological Transition, in Paris. That international initiative brought together the scientific community, public authorities and businesses to monitor the consequences of climate change. The initiative implements international coordination in order to accurately assess and monitor the consequences of climate change, based on observations and numerical models. 33 countries and 4 international organizations are cooperating within this framework to develop operational decision-making tools in terms of preparation, adaptation and resilience to the impacts of climate change at the local level.⁴¹³⁷

On 20 January 2022, the Hydroportail replaced the Hydro Bank and becomes the new reference site for access to hydrometric and hydrological data.⁴¹³⁸

On 31 January 2022, the Colloquium on sustainable urban development was Organized by the Ministry of Ecological Transition.⁴¹³⁹

On 1 February 2022, a second part of the Ecophyto II+ plan is launched today and focuses exclusively on action 27: “Building with the overseas territories an agro-ecology focused on reducing the use, risks and impacts of plant protection products.” This section has an indicative budget of EUR600,000. It aims to collect proposals

⁴¹³⁴ Launch of the new national pollinators plan 2021-2026, Ministry of the Ecological Transition (Paris) 23 November 2021. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/lancement-du-nouveau-plan-national-pollinisateurs-2021-2026>

⁴¹³⁵ Two new tools to fight against imported deforestation, Ministry of the Ecological Transition (Paris) 7 December 2021. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/deux-nouveaux-outils-lutter-contre-deforestation-importee>

⁴¹³⁶ 8th Greentech Innovation promotion: applications are open, Ministry of the Ecological Transition (Paris) 9 December 2021. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/node/7598>

⁴¹³⁷ First Congress of the Space Climate Observatory France, Ministry of the Ecological Transition (Paris) 6 December 2021. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/premier-congres-du-space-climate-observatory-france>

⁴¹³⁸ Hydroportail: new reference site for hydrometric and hydrological data, Ministry of the Ecological Transition (Paris) 25 January 2022. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/hydroportail-nouveau-site>

⁴¹³⁹ Colloquium on sustainable urban development, Ministry of the Ecological Transition (Paris) 31 January 2022. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/pfue-colloque-sur-developpement-urbain-durable>

contributing to the implementation of action 27 of the Ecophyto II+ plan, including in the overseas departments, whose priorities are:

- projects aimed at the development and transfer to advisers and farmers (professionals or individuals with family gardens) of alternative solutions, in particular biocontrol or plant protection preparations of no concern;
- projects concerning alternatives to herbicides in tropical crops;
- control methods excluding synthetic products against rodents classified as crop pests (rats in particular), selective and safe for other animal or plant species in tropical ecosystems.⁴¹⁴⁰

On 2 February 2022, Minister Pompili and Secretary Abba announced the creation of the National Nature Reserve of the alkaline peat bog of Marchiennes, in Hauts-de-France.⁴¹⁴¹

On 5 April 2022, the implementing decree amending the environmental code regarding the greening of vehicles used in the connection by goods delivery platforms was published in the Official Journal. Introduced by article 114 of the Climate and Resilience Law, the decree provides for the obligation for delivery platforms with more than 50 workers to comply with a minimum share, increasing over time, of very low emission vehicles with two or three wheels, bicycles and electrically assisted bicycles for the connection.⁴¹⁴²

On 17 May 2022, the Ministries of Ecological Transition, Solidarity and Health launched the fourth national health environment plan (PNSE 4), “One environment, one health,” with an ambition: to better understand the risks to which everyone is exposed to better protect themselves and their environment. The COVID-19 health crisis has also reminded us of the strong interactions between human health, animal health and environmental health. To meet these challenges, as well as the growing expectations of citizens on environmental health, the PNSE 4 is based on an integrated approach to human, animal, and environmental health, while respecting a “One Health” approach.⁴¹⁴³

France has taken strong actions to deliver national recovery and resilience plans namely authorization of the CNEC and introduction of new mechanisms for the National Strategy to Combat Imported Deforestation implementation. No policy action that could potentially harm the environment has been found during the monitoring period.

Thus, France receives a score of +1.

Analyst: Nikita Shilikov

Germany: +1

Germany has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

⁴¹⁴⁰ Launch of the second part of the Ecophyto national call for projects 2021-2022, Ministry of the Ecological Transition (Paris) 1 February 2022. Translation provided by Google Translate. Access Date: 6 February 2022

<https://www.ecologie.gouv.fr/lancement-du-second-volet-lappel-projets-national-ecophyto-2021-2022>

⁴¹⁴¹ A world day to celebrate wetlands, Ministry of the Ecological Transition (Paris) 2 February 2022. Translation provided by Google Translate. Access Date: 6 February 2022 <https://www.ecologie.gouv.fr/journee-mondiale-celebrer-zones-humides>

⁴¹⁴² Climate and Resilience Law: a new decree for the greening of vehicles used in matchmaking by delivery platforms, Ministry of the Ecological Transition (Paris) 2 February 2022. Translation provided by Google Translate. Access Date: 20 June 2022

<https://www.ecologie.gouv.fr/loi-climat-et-resilience-nouveau-decret-verdissement-des-vehicules-utilises-dans-mise-en-relation>

⁴¹⁴³ "One environment, one health": discover the 4th national health environment plan, Ministry of the Ecological Transition (Paris) 17 May 2022. Translation provided by Google Translate. Access Date: 20 June 2022

<https://www.ecologie.gouv.fr/environnement-sante-decouvrez-4e-plan-national-sante-environnement>

On 8 November 2021, the government announced additional climate adaptation finance of EUR150 million. Of this sum, EUR100 million from the Federal Ministry for Economic Cooperation and Development would be channeled the Global Environment Facility fund for least developed countries. The Federal Environment Ministry would contribute another EUR50 million to the Adaptation Fund.⁴¹⁴⁴

On 8 March 2022, Germany entered an agreement with Australia to promote hydrogen innovations. The parties committed to provide EUR50 million and AUD50 million investments respectively; allocated sums would facilitate establishment of renewable hydrogen supply chains.⁴¹⁴⁵

Germany has adopted a policy document allocating funds for climate change adaptation and mitigation, and taken no policy actions, which may cause harm to the climate and environment.

Thus, Germany receives a score of +1.

Analyst: Andrey Shelepov

India: +1

India has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 2 November 2021, Prime Minister Narendra Modi addressed the United Nations Climate Change Conference, announcing the country's goals of increasing non-fossil energy capacity to 500GW, while meeting about 50 per cent of its energy requirements from renewables by 2030; reducing carbon intensity of its economy by more than 45 per cent by 2030, and reaching Net Zero by 2070.⁴¹⁴⁶

On 6 November 2021, the Indian Delegation stated that while India represented 17 per cent of the global population, its historical cumulative emissions amounted to only 4 per cent, and annual greenhouse gas emissions to about 5 per cent at the 26th United Nations Climate Change Conference. The achievement of 24 per cent reduction in gross domestic product emission intensity in 2005-2014 was also noted, as well as 17-fold increase in India's solar energy generation capacity.⁴¹⁴⁷

On 1 February 2022, Minister of Finance Nirmala Sitharaman presented the Budget 2022-2023, unveiling a set of Government policies on sustainable development promotion. These included: measures to promote a shift to increased use of public transportation in urban areas, as well as supporting technology applications, such as electric vehicles; the allocation of additional funds to facilitate the domestic manufacturing of solar panels; a plan on circular economy transition; the introduction of 5-7 per cent biomass pellets to thermal power plants, which would allegedly result in carbon savings of 38 million metric tons annually.⁴¹⁴⁸

India allocated funds for climate change adaptation and mitigation, while taking no policy actions, which could cause harm to the climate and environment.

⁴¹⁴⁴ Germany commits 150 million euros for climate change adaptation in developing countries, German Federal Environment and Consumer Protection Ministry (Berlin) 8 November 2021. Access Date: 1 April 2022. <https://www.bmuv.de/en/pressrelease/germany-commits-150-million-euros-for-climate-change-adaptation-in-developing-countries>.

⁴¹⁴⁵ Australia-Germany Hydrogen Incubator funding round opens, the Hon Angus Taylor 8 March 2022. Access Date: 22 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/australia-germany-hydrogen-incubator-funding-round-opens>

⁴¹⁴⁶ National Statement by Prime Minister Shri Narendra Modi at COP26 Summit in Glasgow, Ministry of External Affairs of India (Delhi) 2 November 2021. Access Date: 2 February 2022. <https://www.mea.gov.in/Speeches-Statements.htm?dtl/34466/National+Statement+by+Prime+Minister+Shri+Narendra+Modi+at+COP26+Summit+in+Glasgow>.

⁴¹⁴⁷ India speaks on climate change from a position of strength and responsibility at the Facilitative Sharing of Views (FSV) of India's Third Biennial Update Report (BUR) at COP26, Indian Ministry of Environment, Forest and Climate Change (Delhi) 6 November 2021. Access Date: 2 February 2022. <https://moef.gov.in/wp-content/uploads/2021/11/PIB1769796.pdf>.

⁴¹⁴⁸ Budget 2022-2023 Speech of Nirmala Sitharaman Minister of Finance, Government of India (Delhi) 1 February 2022. Access Date: 30 May 2022. https://www.indiabudget.gov.in/doc/budget_speech.pdf.

Thus, India receives a score of +1.

Analyst: Andrei Sakharov

Indonesia: 0

Indonesia has partially complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 15 November 2021, Indonesia introduced new rules on carbon trading to set up a market mechanism to help achieve the country's greenhouse gas reduction targets by 2030.⁴¹⁴⁹ The regulation No. 98 of 2021 regarding the Implementation of Carbon Economic Value for Achieving Nationally Determined Contribution Targets and Control of Greenhouse Gas Emissions in National Development was signed by President Joko Widodo ahead of the United Nations Climate Change Conference in Glasgow; the regulation introduces specific mechanisms to implement the Carbon Economic Value, including (i) carbon trading (emissions trading and offsetting), (ii) result-based payment (conditioned on activities resulting in a verified reduction in greenhouse gas emissions or generating other benefits, such as ecological conservation), and (iii) carbon levies (tax, duty, customs or other).⁴¹⁵⁰

On 19 November 2021, the Meteorology, Climatology and Geophysical Agency announced it was working on a National Action Plan for Climate Change Adaptation in response to the worsening global climate situation to reduce the impact of hydro-meteorological disasters and reduce greenhouse gas emissions, and in accordance with Indonesia's nationally determined contribution to reduce greenhouse gas emissions by 29 per cent to 41 per cent from the business-as-usual scenario by 2030.⁴¹⁵¹

On 1 December 2021, it was also reported that Indonesia's government declared coal ash non-hazardous waste and planned to use bricks made from coal ash as building blocks for coral transplant projects, which caused great concerns and opposition from environmental activists and organizations.⁴¹⁵²

On 29 December 2021, the state owned energy company PT Pertamina reported it was implementing four community programs, based on adaptation and mitigation approaches for Environmental, Social, and Governance (ESG) criteria to support the government's Climate Village Program for cutting carbon emissions; the programs were focused on greening to increase and maintain vegetation cover, waste management, utilization of new and renewable energy, and agricultural cultivation with low greenhouse gas emissions to prevent land and forest fires.⁴¹⁵³

On 20 January 2022, the Financial Services Authority, building on collaboration with ministries/institutions, the financial services industry, academics, and international and national non-governmental organizations, published the Green Taxonomy 1.0 as a guideline in supporting sustainable economic and investment activities in Indonesia.⁴¹⁵⁴

⁴¹⁴⁹ Indonesia introduces carbon trading policy to reduce emission, Reuters (Jakarta) 15 November 2021. Access Date: 31 March 2022. <https://www.reuters.com/business/cop/indonesia-introduces-carbon-trading-policy-reduce-emission-2021-11-15/>

⁴¹⁵⁰ ESG Update: Indonesia has passed a long-awaited regulation regarding carbon emission and carbon trading mechanism, Arma (Jakarta) 6 December 2021. Access Date: 31 March 2022. <https://arma-law.com/news-event/newsflash/perpres-98-tahun-2021-presidential-regulation-on-carbon-emission-economic-value/>

⁴¹⁵¹ BMKG to prepare national action plan for climate change adaptation, Antara (Jakarta) 19 November 2021. Access Date: 31 March 2022. <https://en.antaranews.com/news/200473/bmkg-to-prepare-national-action-plan-for-climate-change-adaptation>

⁴¹⁵² Indonesia's new plan for coal: It pollutes land and air, so why not the sea too? Mongabay (Jakarta) 1 December 2021. Access Date: 31 March 2022. <https://news.mongabay.com/2021/12/indonesias-new-plan-for-coal-it-pollutes-land-and-air-so-why-not-the-sea-too/>

⁴¹⁵³ Pertamina supporting climate village programs to meet ESG commitment, Antara (Jakarta) 29 December 2021. Access Date: 31 March 2022. <https://en.antaranews.com/news/206881/pertamina-supporting-climate-village-programs-to-meet-esg-commitment>

⁴¹⁵⁴ Indonesia Green Taxonomy Edition 1.0 – 2022, OJK (Jakarta). 20 January 2022. Access Date: 31 March 2022.

<https://www.ojk.go.id/keuanganberkelanjutan/en/publication/detailslibrary/2352/taksonomi-hijau-indonesia-edisi-1-0-2022>

On 19 February 2022, it was reported that Bank Indonesia (BI) had determined the BI Green Financial and Institutional Framework, consisting of the two pillars of green policy transition and green institution, with the goal to “realize an inclusive, sustainable, and resilient financial system and economic growth”; it was further reported that as of December 2021 Bank Indonesia had invested USD1.83 billion in the green portfolio.⁴¹⁵⁵

On 28 February 2022, the state-run bank Mandiri executed a diversification program of sustainable financing instruments through wholesale funding in the framework of ESG through a USD500 million-worth repo (repurchase agreement) with two counterparties, as part of Bank Mandiri’s commitment to supporting Indonesia’s 2022 G20 Presidency; the landmark transaction became first in Indonesia and one of the first-movers in Southeast Asia.⁴¹⁵⁶

On 9 March 2022, it was reported that 22 provinces of Indonesia had approved Regional Energy General Plans that served as references in establishing energy transitions in each region; furthermore, the provinces had started to issue technical gubernatorial regulations for the application of General Plans, rules on clean energy and electric vehicles, and circular letters in utilizing rooftop solar panels for governmental, industrial, hotel, and household development.⁴¹⁵⁷

Indonesia has made considerable progress in developing policies and providing funds for climate change mitigation and adaptation, while still taking some actions that may cause harm to climate and environment.

Thus, Indonesia receives a score of 0.

Analyst: Pavel Doronin

Italy: +1

Italy has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 2 December 2021, Minister of Infrastructure and Sustainable Mobility Enrico Giovannini, announced the plans to invest EUR3.2 billion in development of water infrastructure, urban and tourist bike paths and the development of Special Economic Zones. These measures are aimed at improving the security of water supply systems for drinking and irrigation purposes and include works to complete infrastructure for water derivation, storage and adduction, with the aim of reducing waste and increasing resilience to climate change.⁴¹⁵⁸

On 16 December 2021, the Unified Conference approved the draft decree allocating EUR1.9 billion to large municipalities for the purchase of environmentally friendly electric or hydrogen-powered buses.⁴¹⁵⁹

On 14 January 2022, the Ministry of Infrastructure and Sustainable Mobility announced “unprecedented investments” into the infrastructure of the Southern regions of the country. The Ministry allocated EUR25 billion for the program, of which EUR13 billion were directed specifically to the regions in the South, with specific attention to improving “green” mobility and local travel and reducing pollution in urban centers.

⁴¹⁵⁵ Mitigate climate change to prevent financial disruption: BI, Antara (Jakarta) 19 February 2022. Access Date: 31 March 2022. <https://en.antaranews.com/news/216129/mitigate-climate-change-to-prevent-financial-disruption-bi>

⁴¹⁵⁶ Bank Mandiri executes first ESG repo transaction in Indonesia, Antara (Jakarta) 28 February 2022. Access Date: 31 March 2022. <https://en.antaranews.com/news/217537/bank-mandiri-executes-first-esg-repo-transaction-in-indonesia>

⁴¹⁵⁷ Indonesia's 22 provinces set regulations for energy transition: Tasrif, Antara (Jakarta) 9 March 2022. Access Date: 31 March 2022. <https://en.antaranews.com/news/219045/indonesias-22-provinces-set-regulations-for-energy-transition-tasrif>

⁴¹⁵⁸ Resources of over 3.2 billion for water infrastructures, Zes development and urban and tourist cycle paths have been assigned to regions and local authorities, Italian Ministry of Infrastructure and Sustainable Mobility (Rome) 2 December 2021. Translation provided by the analyst. Access Date: 21 June 2022. <https://www.mit.gov.it/comunicazione/news/pnrr-assegnate-regioni-ed-enti-territoriali-risorse-per-oltre-32mld-per>

⁴¹⁵⁹ Unified Conference gives the green light to the decree for the purchase of ecological buses (1.9 billion), Italian Ministry of Infrastructure and Sustainable Mobility 16 December 2021. Translation provided by the analyst. Access Date: 21 June 2022. <https://www.mit.gov.it/comunicazione/news/pnrr-la-conferenza-unificata-da-il-libera-al-decreto-del-mims-per-lacquistodi>

EUR983 million were directed towards the renewal of suburban and urban buses, so as to improve air quality and reduce polluting emissions, with particular regard to large municipalities and those with higher pollution rates. Southern territories will also benefit from the planned for ‘Green Intercity’ trains program, amounting to EUR200 million.⁴¹⁶⁰

Italy allocated funds for climate change adaptation and mitigation, while taking no policy actions, which could cause harm to the climate and environment.

Thus, Italy receives a score of +1.

Analyst: Andrei Sakharov

Japan: +1

Japan has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 2 November 2021, Prime Minister Fumio Kishido pledged at the United Nations Climate Change Conference that Japan would offer up to USD10 billion in additional assistance to support decarbonization in Asia, and double to USD14.8 billion its assistance to help other countries adapt to climate change and prevent disasters.⁴¹⁶¹

On 10 December 2021, the Ministry of Economy Trade and Industry presented the Roadmap for promoting transition finance toward decarbonization in the chemical sector; the roadmap based on scientific grounds shows the technologies that are expected to be necessary in order to make the chemical sector carbon neutral by 2050, and should be referred to by companies when considering climate measures that use transition finance, as well as by financial institutions to assess whether a company’s strategies and efforts toward decarbonization are eligible for transition finance when the company approaches them for funding;⁴¹⁶²

On 20 December 2021, the Japan International Cooperation Agency (JICA) joined the “Renewables in Latin America and the Caribbean” initiative as a cooperating organization; within the framework of the initiative JICA plans to quickly identify issues and support needs related to the introduction of renewable energy in the region;⁴¹⁶³

On 24 January 2021, the JICA signed a grant agreement with Lesotho to provide grant aid of up to JPY1.415 billion for the Project for Small Hydropower Improvement, aiming to rehabilitate small-hydropower generation facilities at Katse Dam based on Japanese technologies.⁴¹⁶⁴

⁴¹⁶⁰ Investments by MIMS in the South of approximately 34 billion, equal to 56% of total resources, Italian Ministry of Infrastructure and Sustainable Mobility (Rome) 14 January 2022. Translation provided by the analyst. Access Date: 21 June 2022. <https://www.mit.gov.it/comunicazione/news/pnrr-investimenti-del-mims-al-sud-per-circa-34-miliardi-pari-al-56-delle-risorse>.

⁴¹⁶¹ Japan increases climate decarbonisation and adaptation funding pledges, Reuters (Glasgow) 2 November 2021. Access Date: 31 March 2022. <https://www.reuters.com/business/environment/japan-increases-climate-decarbonisation-adaptation-funding-pledges-2021-11-02/>

⁴¹⁶² Technology Roadmap Formulated for Transition Finance toward Decarbonization in the Chemical Sector, Japan’s METI (Tokyo) 10 December 2021. Access Date: 31 March 2022. https://www.meti.go.jp/english/press/2021/1210_003.html

⁴¹⁶³ Participation in an initiative aimed at promoting the introduction of renewable energy in Latin America and the Caribbean - Responding to the climate crisis by promoting the introduction of renewable energy, JICA (Tokyo) 19 January 2022. Access Date: 31 March 2022. https://www.jica.go.jp/english/news/press/2021/20220119_30.html

⁴¹⁶⁴ Signing of Grant Agreement with Lesotho: Contributing to stable power supply through promotion of renewable energy development by support for rehabilitation of small-hydropower generation facilities, JICA (Tokyo) 25 January 2022. Access Date: 31 March 2022. https://www.jica.go.jp/english/news/press/2021/20220125_21_en.html

Japan has made further progress in developing policies and providing funds for climate change mitigation and adaptation, while no evidence was found that Japan had taken any actions that may cause harm to climate and environment.

Thus, Japan receives a score of +1.

Analyst: Pavel Doronin

Korea: +1

Korea has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 8 December 2021, the government announced establishment of a new wetland protected area. The Binaeseom Island in Chungcheongbuk-do province would become the 28th inland wetland protected area that is a home to 15 endangered species.⁴¹⁶⁵

On 10 December 2021, the Government presented the Carbon Neutrality Vision and Strategy for Industry and Energy that is the first one of a kind touching upon Korea's transitioning to zero-emission growth. The country plans to eradicate coal as a source of power by 2050 and substitute it with renewables and hydrogen. According to the press release, the government envisaged a set of tax allowances and finance incentives to stimulate the private sector.⁴¹⁶⁶

On 13 December 2021, Korea and Australia signed a cooperation agreement on clean energy technologies development. The parties pledge to invest AUD100 million together to lower carbon emissions, create jobs in renewables and support overall economic growth.⁴¹⁶⁷

On 29 December 2021, the Government released the plan designed to remediate the Seocheon Brownfield previously used for copper processing. The plan implies creation of 550,000 square meters of wetland after the area would be cleared of heavy metals – cadmium, lead and arsenic.⁴¹⁶⁸

On 6 January 2022, Minister of Trade, Industry and Energy Moon Sungwook paid a visit to Saudi Arabia. The minister discussed with his Saudi counterpart issues related to bilateral cooperation, including development of renewables and nuclear energy. Also, the parties discussed further steps to expand Korea-Saudi business exchanges in general.⁴¹⁶⁹

⁴¹⁶⁵ Chung-ju Binaeseom Island designated as a wetland protected area, the Ministry of Environment of the Republic of Korea (Sejong-si) 8 December 2021. Access Date: 22 March 2022.

<https://eng.me.go.kr/eng/web/board/read.do?pagerOffset=20&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1493170&boardMasterId=522&boardCategoryId=&decorator=>

⁴¹⁶⁶ Korea announces Carbon Neutrality Vision and Strategy for Industry and Energy, the Ministry of Trade, Industry and Energy of the Republic of Korea (Sejong-si) 13 December 2021. Access Date: https://english.motie.go.kr/en/pc/pressreleases/bbs/bbsView.do?bbs_seq_n=897&bbs_cd_n=2¤tPage=33&search_key_n=&search_val_v=&cate_n=

⁴¹⁶⁷ Australia and Republic of Korea sign new deals on clean energy tech and critical minerals, the Hon Angus Taylor MP 13 December 2021. Access Date: 22 March 2022. <https://www.minister.industry.gov.au/ministers/taylor/media-releases/australia-and-republic-korea-sign-new-deals-clean-energy-tech-and-critical-minerals>

⁴¹⁶⁸ Ecological Restoration: Turning Contaminated Former Refinery Sites in Seocheon Into Community Assets through the "Green New Deal" project, the Ministry of Environment of the Republic of Korea (Sejong-si) 29 December 2021. Access Date: 22 March 2022. <https://eng.me.go.kr/eng/web/board/read.do?pagerOffset=10&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=461&orgCd=&boardId=1498430&boardMasterId=522&boardCategoryId=&decorator=>

⁴¹⁶⁹ Minister Moon visits Saudi Arabia to discuss Korea-Saudi energy and economic cooperation, the Ministry of Trade, Industry and Energy of the Republic of Korea (Sejong-si) 6 January 2022. Access Date: 22 March 2022. https://english.motie.go.kr/en/pc/pressreleases/bbs/bbsView.do?bbs_seq_n=905&bbs_cd_n=2¤tPage=25&search_key_n=&search_val_v=&cate_n=

On 20 January 2022, Minister Moon visited Saudi Arabia to host the 3rd meeting of Korea-Saudi Vision 2030 Committee meeting. The parties agreed to sign the MoU on establishing a joint casting-forging plant in Ras Al-Khair, Saudi Arabia. The project worth USD940 million is scheduled to completion by 2025.⁴¹⁷⁰

Korea has made further progress in developing policies and providing funds for climate change mitigation and adaptation, while no evidence was found that Korea had taken any actions that may cause harm to climate and environment.

Thus, Korea receives a score of +1.

Analyst: Alexander Ignatov

Mexico: 0

Mexico has partially complied with the commitment to allocate, according to national circumstances, an ambitious share of the financial resources to mitigating and adapting to climate change and avoid harm to the climate and environment.

On 13 November 2022, Ministry of Environment and Natural Resources published in the Official Gazette of the Federation the Special Climate Change Program 2021-2024, with which it seeks to work on climate action with priority objectives, strategies and specific actions that will be carried out by the various dependencies and agencies of the government.⁴¹⁷¹

On 4 February 2022, Mexico entered negotiations with the United States that announced its decision to extend for four more years the safeguard applied to imports of photovoltaic cells. Clause four of the proclamation released by the US government instructs the United States Trade Representative (USTR) to initiate negotiations with Mexico and Canada to address the measure originally imposed in January 2018, which covered imports of photovoltaic cells and photovoltaic cell modules entering the United States for a period of four years. In coordination with the Mexican industry, the Ministry of Economy will lead the negotiations with the USTR committed to maintaining competitiveness and certainty for trade and investment in the North American region, allowing the Mexican industry to continue exporting photovoltaic cells and modules to United States under the preferential conditions negotiated in the Treaty between Mexico, the United States and Canada.⁴¹⁷²

On 28 February 2022, Petróleos Mexicanos (Pemex) increased oil and condensate production in the fourth quarter, as increased light crude output more than offset lower heavy grades from deepwater platforms. Pemex, as the state-owned oil company, reported crude and condensate production of 1.751 million barrels per day, a 4.5 per cent increase from a year earlier, according to a statement Monday. President Andrés Manuel López Obrador announced an intention to make Mexico self-sufficient in gasoline and diesel by extracting more crude oil and producing all of the country's fuel locally, instead of relying heavily on US imports. To ensure the country has enough crude to produce fuel, Mexico also plans to stop exports in the future.⁴¹⁷³

⁴¹⁷⁰ Korea and Saudi Arabia hold 3rd Vision 2030 Committee Meeting, the Ministry of Trade, Industry and Energy of the Republic of Korea (Sejong-si) 20 January 2022. Access Date: 22 March 2022. https://english.motie.go.kr/en/pc/pressreleases/bbs/bbsView.do?bbs_seq_n=910&bbs_cd_n=2¤tPage=25&search_key_n=&search_val_v=&cate_n=

⁴¹⁷¹ Semarnat publishes Special Climate Change Program 2021-2024, Mexican Government (Mexico City) 13 November 2021. Translation provided by the analyst. Access Date: 4 April 2022. <https://www.gob.mx/semarnat/prensa/publica-semarnat-el-programa-especial-de-cambio-climatico-2021-2024?idiom=es>.

⁴¹⁷² Mexico will initiate dialogue with the U.S. Trade Representative's Office regarding the safeguard on photovoltaic cell imports, Mexican Government (Mexico City) 4 February 2022. Translation provided by the analyst. Access Date: 4 April 2022. <https://www.gob.mx/se/es/articulos/mexico-iniciara-dialogo-con-la-oficina-de-representacion-comercial-de-estados-unidos-con-relacion-a-la-salvaguardia-a-importaciones-294054?idiom=es>.

⁴¹⁷³ Mexico's Pemex increased production due to higher light crude oil extraction, La Republica (Bogotá) 28 February 2022. Translation provided by the analyst. Access Date: 4 April 2022. <https://www.larepublica.co/globoeconomia/la-mexicana-pemex-aumento-la-produccion-por-mayor-extraccion-de-crudo-ligero-3312770>.

On 8 March 2022, the government announced that it plans to use the largest portion of its resources derived from excess oil revenues to subsidize fuels such as gasoline and diesel.⁴¹⁷⁴

Mexico has made further progress in developing policies and providing funds for climate change mitigation and adaptation, but also took policy actions, which may cause harm to the climate and environment by subsidizing gasoline and diesel.

Thus, Mexico receives a score of 0.

Analyst: Irina Popova

Russia: +1

Russia has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 10 December 2021, Minister of Energy of Russia Nikolai Shulginov launched the Russko-Polyanskaya solar power plant in Omsk oblast. The plant is expected to provide an annual reduction of harmful emissions by 12,700 tons and improve the environmental situation in the Omsk region. Commissioning of the Russko-Polyanskaya power plant will increase the total installed capacity of solar generation in the region's energy system to 60 MW, according to the minister. Total investment into the solar power plant construction amounted to RUB2.8 billion (USD37 million).⁴¹⁷⁵

On 16 December 2021, the government approved the rules for posting publicly available information on the state of the environment. According to the new rules, federal, regional, and local authorities are obligated to publish information on the state of the environment, including the quality of atmospheric air, soil, water, and forest resources, harmful emissions, as well as radiation levels on their official websites or make it available to the public through state and municipal information systems.⁴¹⁷⁶

On 15 March 2022, the Ministry of Natural Resources and Ecology announced its intention to finance building of four new recycling facilities in Chechnya region. Combined, these new recycling plants would process 270 tones of litter per year. The allocated sum has not been announced.⁴¹⁷⁷

On 16 March 2022, the Ministry of Natural Resources and Ecology held a roundtable discussion with businesses on biodiversity protection actions. The Ministry announced its intention to attract more than RUB800 million to preserve endangered species. As of 22 March 2022, the Ministry has reached agreements with several major Russian businesses including Lukoil, Rosneft and Nornikel.⁴¹⁷⁸

On 17 March 2022, the Ministry of Natural Resources and Ecology announced its intention to allocate extra RUB168 million to cleansing and reconstruction works on a river dam in Buryatia region. The dam would

⁴¹⁷⁴ Fuel And Electricity Prices Will Not Increase In Mexico Due To Conflict In Ukraine, President Says, President of Mexico official web-site (Mexico City) 8 March 2022. Translation provided by the analyst. Access Date: 4 April 2022.

<https://presidente.gob.mx/precios-de-combustibles-y-energia-electrica-no-aumentara-en-mexico-por-conflicto-en-ucrania-afirma-presidente/>.

⁴¹⁷⁵ Nikolay Shulginov Gave the Go-Ahead For The Operation of the Russko-Polyanskaya Solar Power Plant in the Omsk Region, Russian Ministry of Energy (Moscow) 10 December 2021. Access Date: 2 February 2022. <https://minenergo.gov.ru/node/22185>.

⁴¹⁷⁶ The Government of Russia approved the rules for posting publicly available information on the state of the environment, Russian Government (Moscow) 18 December 2021. Access Date: 2 February 2022. <http://government.ru/news/44150/>.

⁴¹⁷⁷ Four rubbish recycling centers to be constructed in Chechnya under the Federal project 'Ecology', the Ministry of Natural Resources and Ecology of the Russian Federation (Moscow) 15 March 2022. Translation provided by the analyst. Access Date: 22 March 2022. http://mnr.gov.ru/press/news/4_musorosortirovochnykh_kompleksov_i_musoropererabatyvayushchiy_zavod_postroyat_v_chechne_po_natspro/

⁴¹⁷⁸ Initiative 'Business and Biodiversity': 800 million rubles to be attracted to safe endangered species, the Ministry of Natural Resources and Ecology of the Russian Federation (Moscow) 17 March 2022. Translation provided by the analyst. Access Date: 22 March 2022.

http://mnr.gov.ru/press/news/initsiativa_biznes_i_bioraznoobrazie_na_sokhranenie_redkikh_vidov_planiruyetsya_privlech_svyshe_800_m/

prevent flooding of 70 hectares of land close to the region's capital city of Ulan-Ude. Previously the Ministry has planned to spend at least RUB245 million to this end under the 2022 budgeting scheme. Extra funds would be included into the 2023 budget. The reconstruction works are scheduled to be completed by 2024.⁴¹⁷⁹

On 29 March 2022, the Federal Project "Clean Air" was extended by two years – until 31 December 2026. The project aims to ensure a significant reduction in air pollution in 12 major industrial centers: Bratsk, Krasnoyarsk, Lipetsk, Magnitogorsk, Mednogorsk, Nizhny Tagil, Novokuznetsk, Norilsk, Omsk, Chelyabinsk, Cherepovets and Chita through measures to reduce emissions from industrial enterprises, municipal and transport infrastructure facilities.⁴¹⁸⁰

On 21 April 2022, the Ministry of Natural Resources and the Environment announced that in March-April 2022 four new projects for the reclamation of landfills near Moscow "Safonovo," "Yadrovo," "Zavolenye" and "Taldomsky" were launched in accordance with the federal project "Clean Country" of the national project "Ecology." Additionally, in December 2021, contracts were signed for the reclamation of the Egorievsky and Volovichy landfills.⁴¹⁸¹

On 22 April 2022, the Ministry of Natural Resources and the Environment reported that it had finished the drafting of the federal law "On Amending the Forest Code of the Russian Federation" and Article 9 of the Federal Law "On Limiting Greenhouse Gas Emissions." The draft law is aimed at the implementation of climate projects in the field of forest relations on the territory of Russia, ensuring the reduction of greenhouse gas emissions and increasing the absorption of greenhouse gases.⁴¹⁸²

Russia has taken strong actions to deliver national recovery and resilience plans namely financed development of new recycling facilities and attracted green private investments. No policy action that could potentially harm the environment has been found during the monitoring period.

Thus, Russia receives a score of +1.

Analyst: Andrei Sakharov

Saudi Arabia: 0

Saudi Arabia has partially complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 6 January 2022, Saudi Arabia and Korea held a bilateral meeting on bilateral cooperation issues. The parties discussed development of renewables and nuclear energy along with further steps to expand business exchanges in general.⁴¹⁸³

⁴¹⁷⁹ Reconstruction of the dam in Ulan-Ude is to be completed by 2024, the Ministry of Natural Resources and Ecology of the Russian Federation (Moscow) 17 March 2022. Translation provided by the analyst. Access Date: 22 March 2022.

http://mnr.gov.ru/press/news/rekonstruktsiya_damby_v_ulan_ude_zavershitsya_do_2024_goda/

⁴¹⁸⁰ A law was passed that expanded the terms of the federal "Clean Air" project, Russian Ministry of Natural Resources and the Environment (Moscow) 29 March 2022. Translation provided by the analyst. Access Date: 30 May 2022.

https://www.mnr.gov.ru/press/news/prinyat_zakon_kotoryy_rasshiril_sroki_realizatsii_federalnogo_proekta_chistyy_vozdukh/.

⁴¹⁸¹ "Clean Country": six new projects for the elimination of large landfills in the Moscow region started in 2022, Russian Ministry of Natural Resources and the Environment (Moscow) 21 April 2022. Access Date: 30 May 2022. https://www.mnr.gov.ru/press/news/chistaya_strana_v_2022_godu_startovali_shest_novykh_proektov_po_likvidatsii_krupnykh_poligonov_tko_v/.

⁴¹⁸² Forest climate projects will help reduce greenhouse gas emissions, Russian Ministry of Natural Resources and the Environment (Moscow) 22 April 2022. Access Date: 30 May 2022. https://www.mnr.gov.ru/press/news/klimaticheskie_proekty_v_oblasti_lesnykh_otnosheniy_pomogut_sokratit_vybrosy_parnikovykh_gazov/.

⁴¹⁸³ Minister Moon visits Saudi Arabia to discuss Korea-Saudi energy and economic cooperation, the Ministry of Trade, Industry and Energy of the Republic of Korea (Sejong-si) 6 January 2022. Access Date: 22 March 2022.

https://english.motie.go.kr/en/pc/pressreleases/bbs/bbsView.do?bbs_seq_n=905&bbs_cd_n=2¤tPage=25&search_key_n=&search_val_v=&cate_n=

On 20 January 2022, Saudi Arabia and Korea held an ordinary Korea-Saudi Vision 2030 Committee meeting. The parties agreed to sign the MoU on establishing a joint casting-forging plant in Ras Al-Khair, Saudi Arabia. The project worth USD940 million is scheduled to completion by 2025.⁴¹⁸⁴

On 21 January 2022, Energy Minister Abdulaziz bin Salman told the online World Economic Forum this week the kingdom was pursuing cleaner hydrogen development having allocated more than USD5 billion investment into developing a green hydrogen plant in its new megacity of Neom, while also having plans to develop hydrogen production based on shale gas (blue hydrogen) and nuclear energy (pink hydrogen); over the longer term the Kingdom has plans to become one of the world's major hydrogen producers and exporters.⁴¹⁸⁵

On 20 February 2022, it was reported that so far 24 initiatives had been rolled out by the Saudi government to reach the target of planting 10 billion trees by 2030 as part of the Saudi Green Initiative.⁴¹⁸⁶

While Saudi Arabia has announced policies and concrete financial plans to curb climate change during the compliance period, there is still plenty of evidence suggesting the Kingdom will continue to remain reliant on fossil fuels production.

Thus, Saudi Arabia receives a score of 0.

Analyst: Pavel Doronin

South Africa: +1

South Africa has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 2 November 2021, at the 26th United Nations Climate Change Conference (COP26), President Cyril Ramaphosa announced a revised Nationally Determined Contribution with the goals of reducing domestic carbon emissions to between 420 and 350 million tonnes of carbon dioxide equivalent by 2030. The President also announced a partnership with the governments of France, Germany, the United Kingdom and the United States, as well as the European Union, to support a transition to a low-carbon economy in South Africa. The Partnership pledged to mobilize ZAR131 billion (USD8.5 billion) over the next three years to implement the vision outlined in the Political Declaration on the just energy transition in South Africa, also unveiled at COP26. The Declaration laid out medium and long-term goals for “accelerated decarbonization” of the country’s energy system with particular attention to vulnerable demographics, e.g. coal miners, women and youth.⁴¹⁸⁷

On 23 February 2022, Minister of Finance Enoch Godongwana announced the government’s plans to reform the electricity sector, including through the amendment of the 2006 Electricity Regulation Act,⁴¹⁸⁸ that allow for private sector renewable energy generation projects of up to 100 megawatt without licensing.⁴¹⁸⁹

⁴¹⁸⁴ Korea and Saudi Arabia hold 3rd Vision 2030 Committee Meeting, the Ministry of Trade, Industry and Energy of the Republic of Korea (Sejong-si) 20 January 2022. Access Date: 22 March 2022. https://english.motie.go.kr/en/pc/pressreleases/bbs/bbsView.do?bbs_seq_n=910&bbs_cd_n=2¤tPage=25&search_key_n=&search_val_v=&cate_n=

⁴¹⁸⁵ Saudi energy minister touts pink hydrogen made by “emancipated young ladies,” Climate Home News 21 January 2022. Access Date: 31 March 2022. <https://www.climatechangenews.com/2022/01/21/saudi-energy-minister-touts-pink-hydrogen-made-emancipated-young-ladies/>

⁴¹⁸⁶ Initiatives to plant and preserve wild plants and trees in Saudi Arabia, Arab News (Riyadh) 20 February 2022. Access Date: 31 March 2022. <https://www.arabnews.com/node/2028066/saudi-arabia>

⁴¹⁸⁷ South Africa establishes a historic international partnership to support a just transition, the Presidency (Pretoria) 2 November 2021. Access Date: 27 June 2022. <https://www.thepresidency.gov.za/press-statements/south-africa-establishes-historic-international-partnership-support-just-transition>.

⁴¹⁸⁸ Minister Enoch Godongwana: 2022 Budget Speech, South African Government (Pretoria) 23 February 2022. Access Date: 30 May 2022. <https://www.gov.za/speeches/minister-enoch-godongwana-2022-budget-speech-23-feb-2022-0000>.

⁴¹⁸⁹ Electricity Regulation Amendment Bill, South African Government (Pretoria) 10 February 2022. Access Date: 30 May 2022. <https://cer.org.za/wp-content/uploads/2022/02/ELECTRICITY-REGULATION-AMENDMENT-BILL-10.02.2022-DMRE.pdf>.

On 23 May 2022, Minister of Environment, Forestry and Fisheries Barbara Creecy, announced the launch of the national waste management fleet, with an estimated worth of ZAR44.5 million (USD 2.87 million). The fleet, according to the Minister, consists of 22 vehicles including skip loader trucks, front end loaders, compactor trucks and other trucks required to transport waste within these areas. The vehicles will be active across 19 municipalities of the country.⁴¹⁹⁰

South Africa allocated funds for climate change adaptation and mitigation, while taking no policy actions, which could cause harm to the climate and environment.

Thus, South Africa receives a score of +1.

Analyst: Andrei Sakbarov

Turkey: +1

Turkey has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 16 July 2021, the Green Reconciliation Action Plan prepared by the Ministry of Trade and approved with the Presidential Circular 2021/15 was published in the Official Gazette came into force.⁴¹⁹¹ The Action Plan was projected as a roadmap aiming to support green transformation in relevant policy areas and ensure Turkey's compliance with the regulations and principles under the European Green Deal, in order to contribute to Turkey's transition to a more sustainable, resource-efficient and green economy, in a way that will preserve and carry forward the existing integration of Turkey within the scope of the EU Customs Union. The Action Plan covers such policy areas as limiting carbon emissions, green and circular economy, green financing, clean, economic and safe energy supply, sustainable agriculture, sustainable smart travels, combatting against climate change, establishing diplomacy principles and raising awareness regarding European Green Deal.⁴¹⁹²

On 6 October 2021, Turkey “embraced the vision of green development evolution,” in the context of which “the production of renewable energy sources and low-emission and clean production techniques will be encouraged.”⁴¹⁹³ On 7 October 2021 Turkey eventually ratified the Paris climate agreement having become the last G20 country to commit to contributing to the global efforts against climate change.⁴¹⁹⁴ It was further reported that Turkey was expected to update its national climate action plan (Nationally Determined Contribution) with updated emissions reduction targets in the energy, waste, transportation, buildings and agriculture sectors and that Turkey committed to net-zero emissions target by 2053.⁴¹⁹⁵

On 1 November 2021, Minister of Environment, Urbanization and Climate Change Murat Kurum speaking at the 26th United Nations Climate Change Conference in Glasgow, announced that USD3.157 billion (provided by the World Bank, the UN, the European Bank for Reconstruction and Development, Germany and France via Green Climate Fund) would be spent on green development in 3 years; these funds were to be channeled to “all sectors that support Green Development, especially in the fields of energy, agriculture, transportation,

⁴¹⁹⁰ Minister Barbara Creecy: Launch of national waste management fleet, South African Government (Pretoria) 23 May 2022. Access Date: 30 May 2022. <https://www.gov.za/speeches/minister-barbara-creecy-launch-national-waste-management-fleet-23-may-2022-0000>.

⁴¹⁹¹ Turkey mulls action plan on EU green pact to transform economy, Daily Sabah (Ankara) 16 July 2021. Access Date: 31 March 2022. <https://www.dailysabah.com/business/energy/turkey-mulls-action-plan-on-eu-green-pact-to-transform-economy>

⁴¹⁹² Turkey Adopts Action Plan to Comply with European Green Deal, Moroğlu Arseven (Istanbul) 17 August 2021. Access Date: 31 March 2022. <https://www.morogluarseven.com/news-and-publications/turkey-adopts-action-plan-to-comply-with-european-green-deal>

⁴¹⁹³ Turkey adopted vision for green development revolution: AKP, Hurriyet (Ankara) 6 October 2021. Access Date: 31 March 2022. <https://www.hurriyetdailynews.com/turkey-adopted-vision-for-green-development-revolution-akp-168414>

⁴¹⁹⁴ Turkish parliament ratifies Paris climate agreement, Hurriyet (Ankara) 7 October 2021. Access Date: 31 March 2022. <https://www.hurriyetdailynews.com/turkish-parliament-ratifies-paris-climate-agreement-168440>

⁴¹⁹⁵ Turkey to update national climate action plan amid ratification of Paris Agreement, Anadolu Agency (Ankara) 7 October 2021. Access Date: 31 March 2022. <https://www.aa.com.tr/en/environment/turkey-to-update-national-climate-action-plan-amid-ratification-of-paris-agreement/2385653>

environment and urbanism.” It was also reiterated by Minister that Turkey would create a strategic plan regarding climate change in line with the country’s 2053 net zero emissions target.⁴¹⁹⁶

On 21 February 2022, Minister Kurum, speaking at Turkey’s inaugural climate council, informed that work on Turkey’s comprehensive climate law was ongoing and that this legislation would be prepared “as soon as possible,” as well as an updated long-term strategy, an action plan on climate and the nationally determined contribution; he also added that some TRY20 billion would be available to local governments for climate projects in 2022.⁴¹⁹⁷

On 21 – 25 February 2022, the Climate Council which took place. The meeting was devoted to determining a roadmap in key climate-related areas, including greenhouse gas reduction, green finance, carbon pricing, adaptation to climate change, local governments, migration, just transition, social policies as well as science and technology. Summarizing its outcomes, Minister Kurum noted that the council would be “a source of reference for the protection of nature and will offer an important method to the business world,” “a roadmap for increasing renewable energy sources, ensuring energy efficiency and reducing fossil fuels,” and “a very important guide for the implementation of sustainable production and consumption systems and alternative emission reduction methods in the industry.”⁴¹⁹⁸

On 9 March 2022, the government announced its intention to provide economic incentives to help energy consumers switch to renewable resources in line with the European Green Deal, to add on to the existing frameworks to incentivize energy producers to switch to renewables.⁴¹⁹⁹

Turkey has adopted important policies to foster climate change mitigation and adaptation, while no evidence was found that Turkey had taken any actions that may cause harm to climate and environment.

Thus, Turkey receives a score of +1.

Analyst: Pavel Doronin

United Kingdom: +1

The United Kingdom has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 1 November 2021, Natural flood management published Programme with 60 pilot projects across England. “It received GBP15 million of funding from government and was managed by the Environment Agency” to increase flood resilience.⁴²⁰⁰

On 2 November 2021, the United Kingdom at the 26th United Nations Climate Change Conference (COP26) announced “to commit GBP1.5 billion over five years to support the forests pledge, including GBP350 million for tropical forests in Indonesia, and GBP200 million for the LEAF Coalition.”⁴²⁰¹ The government also

⁴¹⁹⁶ The Minister Assessed Actions On Combating Climate Change, Turkey’s Ministry of Environment, Urbanization and Climate Change (Ankara) 1 November 2021. Translation provided by Google Translate. Access Date: 31 March 2022. <https://csb.gov.tr/bakan-kurum-iklim-degisikligiyle-mucadele-calismalarini-degerlendirdi-bakanlik-faaliyetleri-32018>.

⁴¹⁹⁷ Turkey’s climate law to be prepared swiftly, says minister, Hurriyet (Konya) 21 February 2022. Access Date: 31 March 2022. <https://www.hurriyetdailynews.com/turkeys-climate-law-to-be-prepared-swiftly-says-minister-171698>

⁴¹⁹⁸ Climate council wrapped up with crucial outcomes, Hurriyet (Konya) 25 February 2022. Access Date: 31 March 2022. <https://www.hurriyetdailynews.com/climate-council-wrapped-up-with-crucial-outcomes-171810>

⁴¹⁹⁹ Legislation to promote use of renewable energy, Hurriyet (Istanbul) 9 March 2022. Access Date: 31 March 2022. <https://www.hurriyetdailynews.com/legislation-to-promote-use-of-renewable-energy-172057>

⁴²⁰⁰ Natural Flood Management Programme: initial findings, UK Government (London) 1 November 2021. Access Date: 7 March 2022. <https://www.gov.uk/government/publications/natural-flood-management-programme-initial-findings>

⁴²⁰¹ Over 100 leaders make landmark pledge to end deforestation at COP26, UK Government (London) 2 November 2021. Access Date: 7 March 2022. <https://www.gov.uk/government/news/over-100-leaders-make-landmark-pledge-to-end-deforestation-at-cop26>

commits “to a common set of actions to deliver sustainable trade and reduce pressure on forests, including support for smallholder farmers and improving the transparency of supply chains.”⁴²⁰²

On 2 November 2021, Prime Minister Boris Johnson launched an international plan to “deliver clean and affordable technology everywhere by 2030 at COP26.”⁴²⁰³ This programme allows to accelerate the development and deployment of clean technologies in areas: Power, Road Transport, Steel, Hydrogen and Agriculture.

On 3 November 2021, the government announced its intention to become the world’s first net zero aligned financial center and welcomed climate commitments from private companies covering USD130 trillion of financial assets to “create a huge pool of cash that could fund our net zero transition,” including the move away from coal, the shift to electric cars, and the planting of more trees.⁴²⁰⁴

On 4 November 2021, the UK increased its International Climate Finance support to at least GBP11.6 billion between 2021 to 2022 to 2025 to 2026. “This funding accelerates innovative clean energy technologies such as energy storage in developing countries. To further mitigation efforts, the UK in March also adopted a policy to end its public support for fossil fuels overseas and ramp up investment in clean energy.”⁴²⁰⁵

On 9 November 2021, the UK health services have united to commit to net zero carbon emissions and build climate resilience through COP26 Health Programme, which ensure the resilience of health systems and ability to cope with environmental change.⁴²⁰⁶

On 17 January 2022, the government has published the ‘UK’s Third Climate Change Risk Assessment’, which includes investing GBP5.2 billion to build 2,000 new flood defences by 2027 and continuing work on the ‘Green Finance Strategy’ to align private sector financial flows with clean, environmentally sustainable and resilient growth.”⁴²⁰⁷

On 17 January 2022, the Department for Environment, Food & Rural Affairs has published “UK Climate Change Risk Assessment 2022.” The Nature for Climate Fund has been announced to invest GBP124 million of new money to permit extra possibilities for farmers and landowners to “support net zero through land use change,” invest GBP5.2 billion to build 2,000 new flood defences, provide GBP200 million ‘to inform future approaches to improving resilience to flooding and coastal erosion in communities across the country,’ etc.⁴²⁰⁸

On 2 March 2022, the government has announced the “Blue Belt programme,” which helps UK Overseas Territories to “enhance the protection and management of their precious marine environments.”⁴²⁰⁹ Commonwealth and Development Office will directly fund the Programme for GBP8 million.

⁴²⁰² Over 100 leaders make landmark pledge to end deforestation at COP26, UK Government (London) 2 November 2021. Access Date: 7 March 2022. <https://www.gov.uk/government/news/over-100-leaders-make-landmark-pledge-to-end-deforestation-at-cop26>

⁴²⁰³ World leaders join UK’s Glasgow Breakthroughs to speed up affordable clean tech worldwide, UK Government (London) 2 November 2021. Access Date: 7 March 2022. <https://www.gov.uk/government/news/world-leaders-join-uks-glasgow-breakthroughs-to-speed-up-affordable-clean-tech-worldwide>

⁴²⁰⁴ Chancellor: UK will be the world’s first net zero financial centre, HM Treasury (London) 3 November 2021. Access Date: 17 March 2022. <https://www.gov.uk/government/news/chancellor-uk-will-be-the-worlds-first-net-zero-financial-centre>

⁴²⁰⁵ Now is the time to speed up the transition to cleaner energy sources, UK Government (London) 4 November 2021. Access Date: 7 March 2022. <https://www.gov.uk/government/news/now-is-the-time-to-speed-up-the-transition-to-cleaner-energy-sources>

⁴²⁰⁶ UK health services make landmark pledge to achieve net zero, UK Government (London) 9 November 2021. Access Date: 7 March 2022. <https://www.gov.uk/government/news/uk-health-services-make-landmark-pledge-to-achieve-net-zero>

⁴²⁰⁷ Government publishes UK’s Third Climate Change Risk Assessment, Department for Environment, Food & Rural Affairs (London) 17 January 2022. Access Date: 17 March 2022. <https://www.gov.uk/government/news/government-publishes-uks-third-climate-change-risk-assessment>

⁴²⁰⁸ UK Climate Change Risk Assessment 2022, Department for Environment, Food & Rural Affairs (London) 17 January 2022. Access Date: 19 March 2022. <https://www.gov.uk/government/publications/uk-climate-change-risk-assessment-2022>

⁴²⁰⁹ The Blue Belt Programme, UK government (London) 3 March 2022. Access Date: 17 March 2022. <https://www.gov.uk/guidance/the-blue-belt-programme>

On 8 March 2022, the Department for Environment, Food & Rural Affairs has awarded GBP4.5 million to “help futureproof trees and forests against impacts of pests, disease and climate change.”⁴²¹⁰ This initiative includes planting 30,000 hectares of trees across the UK per year by 2025 to reinforce nature regeneration efforts, promote biodiversity and product amidst a changing climate.

On 16 March 2022, the government has announced “long-term environmental targets” to protect and enhance natural world. These targets include reducing nutrient pollution in rivers, improving water use efficiency, cleaning up air, halting the decline in wildlife population by 2030.⁴²¹¹

The United Kingdom has adopted a policy document allocating funds for climate change adaptation and mitigation, and taken no policy actions, which may cause harm to the climate and environment.

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

Analyst: Elena Alekseeva

United States: +1

The United States has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 1 November 2021, President Joe Biden announced the Emergency Plan for Adaptation and Resilience (PREPARE) to support developing countries and communities in vulnerable situations around the world in their efforts to adapt to and manage the impacts of climate change. President Biden pledged to provide USD3 billion in adaptation finance annually for PREPARE by fiscal year 2024. It is the largest US. commitment ever made to reduce climate impacts on those most vulnerable to climate change worldwide.⁴²¹²

The United States has adopted a policy document allocating funds for climate change adaptation and mitigation, and taken no policy actions, which may cause harm to the climate and environment.

Thus, the US receives a score of +1.

Analyst: Andrey Shelepov

European Union: +1

The European Union has fully complied with the commitment to deliver national recovery and resilience plans and avoid harm to the climate and environment.

On 5 April 2022, the European Commission presented a proposal to update and modernise the Industrial Emissions Directive. The new rules will cover more relevant sources of emissions, make permitting more effective, reduce administrative costs, increase transparency, and give more support to breakthrough technologies and other innovative approaches. The main changes include more effective permits for installations (permitting will have to assess the feasibility of reaching the best performance); more help for EU

⁴²¹⁰ Tree resilience efforts boosted as funds to improve forestry innovation reopen, Department for Environment, Food & Rural Affairs (London) 8 March 2022. Access Date: 17 March 2022. <https://www.gov.uk/government/news/tree-resilience-efforts-boosted-as-funds-to-improve-forestry-innovation-reopen>

⁴²¹¹ Delivering on the Environment Act: new targets announced and ambitious plans for nature recovery, Department for Environment, Food & Rural Affairs (London) 16 March 2022. Access Date: 17 March 2022. <https://www.gov.uk/government/news/delivering-on-the-environment-act-new-targets-announced-and-ambitious-plans-for-nature-recovery>

⁴²¹² President’s Emergency Plan for Adaptation and Resilience (PREPARE), The White House (Washington) 1 November 2021. Access Date: 1 April 2022. <https://www.whitehouse.gov/wp-content/uploads/2021/10/Full-PREPARE-Plan.pdf>.

innovation frontrunners; supporting industry's circular economy investments; synergies between depollution and decarbonization.⁴²¹³

On 5 April 2022, the European Commission proposed two new joint Regulations with the Parliament to more tightly control fluorinated greenhouse gases (F-gases) and ozone depleting substances (ODS). The F-gas proposal will also contribute to reducing emissions by at least 55 per cent by 2030 and making Europe climate-neutral by 2050. Both proposals together could bring about a total reduction in the EU's greenhouse gas emissions (GHG) of 490 Mt (CO equivalent) by 2050. Proposal for a new F-gas Regulation includes tightening the quota system for hydrofluorocarbons (HFC phase-down); facilitation for customs and surveillance authorities to control imports and exports, cracking down on trade of illegal F-gases and equipment; more comprehensive monitoring; ensuring compliance with the Montreal Protocol.⁴²¹⁴ Proposal for a new ODS Regulation includes higher ambition; streamlining; improved enforcement and monitoring.⁴²¹⁵

On 28 April 2022, the European Commission announced the 100 EU cities that will participate in the EU Mission for 100 climate-neutral and smart cities by 2030, the so-called Cities Mission. The Cities Mission will receive €360 million of Horizon Europe funding covering the period 2022-23, to start the innovation paths towards climate neutrality by 2030. The Commission will invite the 100 selected cities to develop Climate City Contracts, which will include an overall plan for climate neutrality across all sectors such as energy, buildings, waste management and transport, together with related investment plans. This process will involve citizens, research organisations and the private sector.⁴²¹⁶

On 17 May 2022, the European Parliament agreed to increase the EU carbon sinks target for land use, land use change and forestry sector (LULUCF) which would de facto increase EU 2030 greenhouse gas reduction target to 57 per cent. The Parliament adopted the report to reduce greenhouse gas (GHG) emissions and improve natural carbon sinks in the LULUCF. The Parliament emphasizes that natural carbon sinks are fragile and volatile, and therefore should not be pooled with the measuring of emissions from the agricultural sector - contrary to the Commission's proposal. Instead, the Parliament wants support to voluntary carbon farming initiatives to deliver at least 50 million additional tonnes carbon dioxide equivalent of net removals by 2030. LULUCF is part of the "Fit for 55 in 2030 package," which is the EU's plan to reduce greenhouse gas emissions by at least 55 per cent by 2030 compared to 1990 levels in line with the European Climate Law.⁴²¹⁷

On 7 June 2022, the European Commission announced the first 118 regions and local authorities that will participate in the EU Mission for Adaptation to Climate Change, which will support the European Green Deal and the EU Climate Adaptation Strategy. The Mission Adaptation will receive EUR370 million of Horizon Europe funding for the period 2021-23. The research and innovation actions will address rebuilding areas

⁴²¹³ Proposal for a Directive of the European Parliament and of the Council Amending Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) and Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste COM(2022) 156 final/3, European Commission (Brussels) 5 April 2022. Access Date: 13 June 2022. <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52022PC0156R%2802%29&qid=1651130627889>

⁴²¹⁴ Proposal for a Regulation of The European Parliament And of the Council on fluorinated greenhouse gases, amending Directive (EU) 2019/1937 and repealing Regulation (EU) No 517/2014 COM/2022/150 final, European Commission (Brussels) 5 April 2022. Access Date: 13 June 2022. <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52022PC0150>

⁴²¹⁵ Proposal for a Regulation of the European Parliament and of the Council on substances that deplete the ozone layer and repealing Regulation (EC) No 1005/2009 COM(2022) 151 final, European Commission (Brussels) 5 April 2022. Access Date: 13 June 2022. https://ec.europa.eu/clima/system/files/2022-04/ods_proposal_en.pdf

⁴²¹⁶ Commission announces 100 cities participating in EU Mission for climate-neutral and smart cities by 2030, European Commission (Brussels) 28 April 2022. Access Date: 13 June 2022. https://ec.europa.eu/commission/presscorner/detail/en/IP_22_2591

⁴²¹⁷ Fit for 55: New EU carbon sinks goal will increase 2030 reduction target, European Parliament (Strasbourg) 17 May 2022. Access Date: 13 June 2022. <https://www.europarl.europa.eu/news/en/press-room/20220516IPR29656/fit-for-55-new-eu-carbon-sinks-goal-will-increase-2030-reduction-target>

impacted by extreme weather events, restoring floodplains, vertical farming, prototype insurance approaches, or creating a 'perfectly adapted' city ready to withstand a storm or heatwave.⁴²¹⁸

On 8 June 2022, the Modernisation Fund made EUR2.4 billion available to seven beneficiary countries to help modernise their energy systems, reduce greenhouse gas emissions in energy, industry and transport, and support them in meeting their 2030 climate and energy targets. The Modernization Fund is supporting 45 investment proposals in the areas of electricity generation from renewable sources, modernisation of energy networks and energy efficiency in the energy sector, in industry, in buildings, as well as in transport, and the replacement of coal generation with lower carbon intensity fuel.⁴²¹⁹

The European Union have fully complied with its commitments of adoption and renewing of recovery plans, incorporating climate commitments and sustainable growth. The European Union provides support for climate projects through funding such programmes as LIFE, NextGenerationEU, Natura 2000 and establishing new programmes such as InvestEU. These initiatives also provide support to the climate change adaptation, biodiversity, sustainable land usage and forest protection.

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

Analyst: Ksenia Dorokhina

⁴²¹⁸ 118 regions and local authorities join the EU Mission for Adaptation to Climate Change, European Commission (Brussels) 7 June 2022. Access Date: 13 June 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_3527

⁴²¹⁹ Modernisation Fund invests €2.4 billion to accelerate the green transition in 7 beneficiary countries, European Commission (Brussels), 8 June 2022. Access Date: 13 June 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_22_3488