

The G20 Research Group  
at Trinity College at the Munk School of Global Affairs and Public Policy  
in the University of Toronto  
presents the

## **2018 G20 Buenos Aires Summit Final Compliance Report**

2 December 2018 to 10 May 2019

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“The University of Toronto ... produced a detailed analysis to the extent of which each G20 country has met its commitments since the last summit ... I think this is important; we come to these summits, we make these commitments, we say we are going to do these things and it is important that there is an organisation that checks up on who has done what.”

— *David Cameron, Prime Minister, United Kingdom, at the 2012 Los Cabos Summit*

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## 11. Climate Change: Paris Agreement

“[Signatories to the Paris Agreement, who have also joined the Hamburg Action Plan], commit to its full implementation, reflecting common but differentiated responsibilities and respective capabilities, in light of different national circumstances.”

*G20 Leaders Buenos Aires Declaration*

### Assessment

	No Compliance	Partial Compliance	Full Compliance
Argentina			+1
Australia			+1
Brazil			+1
Canada			+1
China			+1
France			+1
Germany			+1
India		0	
Indonesia			+1
Italy			+1
Japan			+1
Korea			+1
Mexico			+1
Russia		0	
Saudi Arabia		0	
South Africa		0	
Turkey		0	
United Kingdom			+1
United States	Not applicable		
European Union			+1
Average Score	+0.74		

### Background

The G20 first addressed the issue of climate change at its inaugural summit in Washington, D.C. in 2008.<sup>2834</sup> 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].”<sup>2835</sup> 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 London Summit in 2009, G20 members expressed their support for the United Nations Framework Convention on Climate Change (UNFCCC).<sup>2836</sup> This support was reiterated at every G20 summit, including the one in Hamburg in 2017 where leaders reiterated the importance of fulfilling

<sup>2834</sup> Declaration of the Summit on Financial Markets and the World Economy, 2008 Washington Summit, G20 Information Centre (Toronto) 15 November 2008. Date of Access: 7 December 2018. <http://www.g7.utoronto.ca/g20/2008/2008declaration1115.html>.

<sup>2835</sup> 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. Date of Access: 7 December 2018. <http://unfccc.int/resource/docs/2011/cop17/eng/09a01.pdf#page=2>.

<sup>2836</sup> Global Plan for Recovery and Reform, 2009 London Summit, G20 Information Centre (Toronto) 2 April 2009. Date of Access: 7 December 2018. [www.g7.utoronto.ca/g20/2009/2009communique0402.html](http://www.g7.utoronto.ca/g20/2009/2009communique0402.html).

the UNFCCC commitment by developed countries in providing means of implementation including financial resources to assist developing countries with respect to both mitigation and adaptation actions in line with Paris outcomes and note the OECD's report "Investing in Climate, Investing in Growth."<sup>2837</sup>

The Paris Agreement was adopted by the participants of the 21<sup>st</sup> session of the Conference of the Parties (COP) to the UNFCCC on 12 December 2015. The provisions agreed upon by the parties are aimed at keeping the global average temperature below 2°C above pre-industrial level. In addition, the parties pledged to "pursue efforts" to limit the temperature increase to 1.5°C. COP participants also agreed provide national inventory reports on anthropogenic greenhouse gas emissions and provide other information necessary for assessing the implementation progress.<sup>2838</sup>

The Paris Agreement entered into force on 4 November 2016 after the threshold of 55 ratifying parties responsible for at least 55 per cent of the world's greenhouse gas emissions had been met. The Agreement has been ratified by 152 states to date.<sup>2839</sup>

The US withdrawal raised concerns over the prospects of the agreement itself and international climate change cooperation in general. United States President Donald Trump, announcing the termination of his country's participation in the Agreement on 1 June 2017, justified his decision by the need to protect the interests of American industry and workers, as well as reduce the costs for American taxpayers. D. Trump also announced the termination of US contributions to the Green Climate Fund.<sup>2840</sup>

However, according to the provisions of Article 28 of the document, the termination of the participation of a signatory and ratifying party to the agreement is only possible four years after its entry into force (three years before a country can withdraw and another year before the decision takes effect), that is, on 4 November 2020. Thus, for the purposes of this compliance report the United States are considered to be a signatory of the Paris Agreement and are assessed on equal footing with the rest of the G20 members.

### **Commitment Features**

The commitment requires the G20 members to strive for the full implementation of the Paris Agreement. The Agreement stipulates three major goals:

- a) Holding the increase in the global average temperature to well below 2°C above pre-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels, recognizing that this would significantly reduce the risks and impacts of climate change;
- b) Increasing the ability to adapt to the adverse impacts of climate change and foster climate resilience and low greenhouse gas emissions development, in a manner that does not threaten food production; and

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<sup>2837</sup> G20 Leaders' Declaration Shaping an interconnected world, CIIR RANEPa (Hamburg) July 2017. Access Date: 23 May 2019.

[https://www.ranepa.ru/images/media/g20/2017hamburg/G20%20Hamburg%20leaders\\_%20communiqu%C3%A9.pdf](https://www.ranepa.ru/images/media/g20/2017hamburg/G20%20Hamburg%20leaders_%20communiqu%C3%A9.pdf)

<sup>2838</sup> Paris Agreement, United Nations (New York) 2015. Access Date: 27 May 2019

[http://unfccc.int/files/essential\\_background/convention/application/pdf/english\\_paris\\_agreement.pdf](http://unfccc.int/files/essential_background/convention/application/pdf/english_paris_agreement.pdf)

<sup>2839</sup> The Paris Agreement, United Nations (New York) 2015. Access Date: 14 May 2019.

[http://unfccc.int/paris\\_agreement/items/9485.php](http://unfccc.int/paris_agreement/items/9485.php)

<sup>2840</sup> Statement by President Trump on the Paris Climate Accord, the White House (Washington) 1 June 2017. Access Date: 14 May 2019. <https://www.whitehouse.gov/the-press-office/2017/06/01/statement-president-trump-paris-climate-accord>.

- c) Making finance flows consistent with a pathway towards low greenhouse gas emissions and climate-resilient development.<sup>2841</sup>

Thus, to fully comply with the commitment the G20 members must take action on all the three main issue areas of the Paris Agreement, that is: to take action aimed at greenhouse gases emissions reduction; to support climate adaptation and resilience; to mobilize climate finance from a wide variety of sources. Partial

### Scoring Guidelines

-1	Member does not take action to implement the Paris Agreement in any area.
0	Member takes action to implement the Paris Agreement but fails to address all three issue areas outlined.
+1	Member takes action to implement the Paris Agreement, addressing all three issue areas outlined in it.

### Argentina: +1

Argentina has fully complied with the commitment to implement the Paris Accord.

On 8 January 2019, Argentine Minister of Environment and Sustainable Development Sergio Bergman and President of the National Agricultural Technology Institute Juan Balbín signed an agreement on establishing a demonstration unit “San Pedro Kora” of native forest areas and livestock management located in Santiago del Estero province.<sup>2842</sup> The unit is integrated into a national network of demonstration sites of Management with Integrated Livestock Initiative promoted by the Ministry of Environment and Sustainable Development which aims to disseminate sustainable practices by combining agro-productive development with the conservation of native forest systems. By January 2019, five units had already been established in Chaco, Salta and Santa Cruz provinces.<sup>2843</sup>

On 14 January 2019, Argentine Minister of Environment and Sustainable Development Sergio Bergman participated in the third Ministerial Conference of the Partnership for Action on Green Economy held in Cape Town, South Africa.<sup>2844</sup> The event brought together more 500 innovators and leaders from governments, civil society, private sector, development organizations and media to share their experiences on transiting to green and circular economy. Sergio Bergman presented Argentina’s progress in this sphere and proposed a road map for the country’s participation in the initiative including cooperation with United Nations bodies that support the Partnership for Action on Green Economy.<sup>2845</sup>

<sup>2841</sup> Paris Agreement, United Nations (New York) 2015. Access date: 27 May 2019.

[https://unfccc.int/sites/default/files/english\\_paris\\_agreement.pdf](https://unfccc.int/sites/default/files/english_paris_agreement.pdf).

<sup>2842</sup> Ambiente impulsa el manejo de bosques con ganadería integrada, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 8 January 2019. Access Date: 30 January 2019.

<https://www.argentina.gob.ar/noticias/ambiente-impulsa-el-manejo-de-bosques-con-ganaderia-integrada>.

<sup>2843</sup> Ambiente impulsa el manejo de bosques con ganadería integrada, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 8 January 2019. Access Date: 30 January 2019.

<https://www.argentina.gob.ar/noticias/ambiente-impulsa-el-manejo-de-bosques-con-ganaderia-integrada>.

<sup>2844</sup> Economía Verde: Argentina participó de un encuentro internacional con expertos en la materia, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 14 January 2019. Access Date: 30 January 2019.

<https://www.argentina.gob.ar/noticias/economia-verde-argentina-participo-de-un-encuentro-internacional-con-expertos-en-la-materia>.

<sup>2845</sup> Economía Verde: Argentina participó de un encuentro internacional con expertos en la materia, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 14 January 2019. Access Date: 30 January 2019.

<https://www.argentina.gob.ar/noticias/economia-verde-argentina-participo-de-un-encuentro-internacional-con-expertos-en-la-materia>.

On 15 January 2019, a wind farm Chubut Norte I with an area of 834 hectares located about 30 kilometers from Madryn was opened by Argentinian President Mauricio Macri, Minister of Environment and Sustainable Development of Argentina Sergio Bergman and Governor of Chubut Mariano Arcioni.<sup>2846</sup> The park has eight Vestas V126 wind turbines with an output of 28.8 MW that will produce 128,400 MWh per year. The investment to the project was more than USD45 million. A construction process took 17 months. The project was awarded under RenovAr, the Government's program for the supply of electricity from renewable sources.<sup>2847</sup>

On 15 January 2019, the Argentine Ministry of Environment and Sustainable Development under ForestAR 2030 closed the second call for projects of the National Plan for the Restoration of Native Forests in order to recover 870 hectares in the ecoregions of Yungas, Misiones Jungle and Chaco Park.<sup>2848</sup> The Plan contains a goal of restoring 20,000 hectares per year and reaching a goal of zero net deforestation in the country by 2030 thus contributing to the National Strategy for Mitigation and Adaptation to Climate Change.<sup>2849</sup> In the region of yungas and chaqueño park, which includes the provinces of Jujuy, Salta, Chaco and Formosa, main causes of forest degradation are the advance of the agricultural frontier, extensive cattle ranching, fires and exploitation unsustainable forest. The main actions include restoration of degraded forests, promoting the connection between core areas through biological corridors, etc.<sup>2850</sup>

On 25 January 2019, the Argentinian Ministry of Environment and Sustainable Development participated in the UNESCO meeting that took place in Santiago de Chile to present the Atlas of Glaciers and Andean Waters that identifies the current status of glaciers in the region and analyzes the progress of the impact of climate change on the glaciers and in the availability of water in the communities.<sup>2851</sup> At the meeting Argentina presented its glacier protection policies. In 2018 Argentina completed the National Glacier Inventory that yielded a total of 16,968 ice bodies (16,078 over the Andes and 890 in the South Atlantic Islands) and occupy an area of 8,484 km<sup>2</sup>, one size equivalent to 41 times the Autonomous City of Buenos Aires.<sup>2852</sup> The inventory is a fundamental tool

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<sup>2846</sup> Junto con el presidente Macri, Bergman participó en el acto de inauguración de un parque eólico en Puerto Madryn, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 15 January 2019. Access Date: 30 January 2019. <https://www.argentina.gob.ar/noticias/junto-con-el-presidente-macri-bergman-participo-en-el-acto-de-inauguracion-de-un-parque>.

<sup>2847</sup> Junto con el presidente Macri, Bergman participó en el acto de inauguración de un parque eólico en Puerto Madryn, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 15 January 2019. Access Date: 30 January 2019. <https://www.argentina.gob.ar/noticias/junto-con-el-presidente-macri-bergman-participo-en-el-acto-de-inauguracion-de-un-parque>.

<sup>2848</sup> Finalizó la segunda convocatoria del Plan Nacional de Restauración de Bosques Nativos, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 15 January 2019. Access Date: 30 January 2019. <https://www.argentina.gob.ar/noticias/finalizo-la-segunda-convocatoria-del-plan-nacional-de-restauracion-de-bosques-nativos>.

<sup>2849</sup> Finalizó la segunda convocatoria del Plan Nacional de Restauración de Bosques Nativos, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 15 January 2019. Access Date: 30 January 2019. <https://www.argentina.gob.ar/noticias/finalizo-la-segunda-convocatoria-del-plan-nacional-de-restauracion-de-bosques-nativos>.

<sup>2850</sup> Finalizó la segunda convocatoria del Plan Nacional de Restauración de Bosques Nativos, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 15 January 2019. Access Date: 30 January 2019. <https://www.argentina.gob.ar/noticias/finalizo-la-segunda-convocatoria-del-plan-nacional-de-restauracion-de-bosques-nativos>.

<sup>2851</sup> Argentina presentó sus políticas de protección de glaciares en Chile, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 25 January 2019. Access Date: 30 January 2019. <https://www.argentina.gob.ar/noticias/argentina-presento-sus-politicas-de-proteccion-de-glaciares-en-chile>.

<sup>2852</sup> Argentina presentó sus políticas de protección de glaciares en Chile, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 25 January 2019. Access Date: 30 January 2019. <https://www.argentina.gob.ar/noticias/argentina-presento-sus-politicas-de-proteccion-de-glaciares-en-chile>.

for decision making and design of public policies in the protection of water resources and mountain ecosystems.<sup>2853</sup>

On 6 March 2019, the Secretariat of Environment and Sustainable Development of Argentina, together with Ministry of the Interior, Public Works and Housing and Ministry of Finance, launched the Sustainable Housing Manual, an innovative instrument that provides guidelines to promote sustainable design, construction and use of neighborhoods and housing to improve environmental performance.<sup>2854</sup> The Manual, developed with the support of the Global Environment Facility and the Inter-American Development Bank, also contains indicators for a sustainability self-assessment of projects. The manual can be used by provincial housing institutes as well as private architects and engineers who wish to incorporate the sustainable variable in their building projects.<sup>2855</sup>

On 26 March 2019, the Argentine government presented the draft reform of the Criminal Code in the National Congress.<sup>2856</sup> The initiative pursues an adequate systematization and ordering of all penal regulations and incorporates crimes against the environment. According to new modification, the environment is considered as a protected legal asset and, therefore, pollution and damage to natural resources are considered as crimes.<sup>2857</sup>

On 4 April 2019, Celeste Saulo, director of the Argentinian National Methodological Service (SMN), and Juan Balbín, president of National Agricultural Technology Institute (INTA), signed a technical cooperation agreement aimed at cooperating scientifically, technically and operationally in the field of agricultural meteorology and climatology, in particular by synchronizing radars of two organizations that provide climate and meteorological observation.<sup>2858</sup> To this end, both agencies will integrate in a network the three radars of INTA, installed in Pergamino (Buenos Aires), Paraná (Entre Ríos) and Anguil (La Pampa), and the SMN ones.<sup>2859</sup>

On 5 April 2019, the Secretary of Environment and Sustainable Development of Argentina presented sector-specific guides aimed at promoting innovation and good environmental practices to increase sustainability in various productive and service sectors, including wine, metallurgy and

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<sup>2853</sup> Argentina presentó sus políticas de protección de glaciares en Chile, Secretaría General: Ambiente y Desarrollo Sustentable (Buenos Aires) 25 January 2019. Access Date: 30 January 2019.

<https://www.argentina.gob.ar/noticias/argentina-presento-sus-politicas-de-proteccion-de-glaciares-en-chile>.

<sup>2854</sup> El Gobierno nacional lanza el Manual de Vivienda Sustentable, Argentine Government (Buenos Aires) 6 March 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/el-gobierno-nacional-lanza-el-manual-de-vivienda-sustentable>.

<sup>2855</sup> El Gobierno nacional lanza el Manual de Vivienda Sustentable, Argentine Government (Buenos Aires) 6 March 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/el-gobierno-nacional-lanza-el-manual-de-vivienda-sustentable>.

<sup>2856</sup> El Gobierno nacional presentó el proyecto de reforma del Código Penal en el Congreso de la Nación, Argentine Government (Buenos Aires) 26 March 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/el-gobierno-nacional-presento-el-proyecto-de-reforma-del-codigo-penal-en-el-congreso-de-la>.

<sup>2857</sup> El Gobierno nacional presentó el proyecto de reforma del Código Penal en el Congreso de la Nación, Argentine Government (Buenos Aires) 26 March 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/el-gobierno-nacional-presento-el-proyecto-de-reforma-del-codigo-penal-en-el-congreso-de-la>.

<sup>2858</sup> INTA y SMN: asociados para potenciar la climatología agrícola, Argentine Government (Buenos Aires) 4 April 2019. Access Date: 9 April 2019. <https://www.argentina.gob.ar/noticias/inta-y-smn-asociados-para-potenciar-la-climatologia-agricola>.

<sup>2859</sup> INTA y SMN: asociados para potenciar la climatología agrícola, Argentine Government (Buenos Aires) 4 April 2019. Access Date: 9 April 2019. <https://www.argentina.gob.ar/noticias/inta-y-smn-asociados-para-potenciar-la-climatologia-agricola>.

surface treatment.<sup>2860</sup> The guides aim to facilitate access to information on available technologies. The initiative is in line with the national integral strategy to strengthen consumption and sustainable production to achieve the 2030 Sustainable Development Goals. The publications were prepared with participation of chambers of commerce, business associations and companies working in the selected areas.<sup>2861</sup>

On 17 April 2019, the Secretary of Environment and Sustainable Development of Argentina approved finance allocations to four provinces, namely Jujuy, San Juan, Santiago del Estero and Santa Fe, in amount of more USD46 million for native forest conservation programs.<sup>2862</sup> The decision was made at the second meeting of the Executive Committee of the Forest and Climate Change Trust Fund. The forest conservation is considered by the Argentinian government as one of the main sources for combating climate change and promoting sustainable development of the country.<sup>2863</sup>

On 22 April 2019, the Secretariat of Environment and Sustainable Development of Argentina launched the fourth edition of the National PROESUS Contest, held within the framework of the National Program of Entrepreneurs for Sustainable Development, which awards outstanding initiatives in the promotion of sustainability and the use of new technologies in the country.<sup>2864</sup> After May 12, fifteen innovative proposals with positive environmental impact will be selected and awarded. Participants must be over 18 years old and be registered through a form available at [www.argentina.gov.ar/proesus](http://www.argentina.gov.ar/proesus).<sup>2865</sup> The projects presented may be individual or group and should be oriented to issues such as: actions to address climate change, water protection, sustainable production and energy, waste management, natural resources conservation, sustainable agricultural sector, transport and housing and construction.<sup>2866</sup>

On 24 April 2019, Secretary of the Government of Environment and Sustainable Development of Argentina, Sergio Bergman, met with legislators and regulators from a number of Latin American countries to exchange experiences in order to reach consensus on key regulatory aspects of electric

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<sup>2860</sup> Producción sustentable: Ambiente lanza recomendaciones para los sectores vitivinícola, metalmecánico y tratamientos superficiales, Argentine Government (Buenos Aires) 5 April 2019. Access Date: 25 April 2019. <https://www.argentina.gov.ar/noticias/produccion-sustentable-ambiente-lanza-recomendaciones-para-los-sectores-vitivinicola>.

<sup>2861</sup> Producción sustentable: Ambiente lanza recomendaciones para los sectores vitivinícola, metalmecánico y tratamientos superficiales, Argentine Government (Buenos Aires) 5 April 2019. Access Date: 25 April 2019. <https://www.argentina.gov.ar/noticias/produccion-sustentable-ambiente-lanza-recomendaciones-para-los-sectores-vitivinicola>.

<sup>2862</sup> Cuatro provincias recibirán nuevas transferencias del fondo de bosques, Argentine Government (Buenos Aires) 17 April 2019. Access Date: 9 April 2019. <https://www.argentina.gov.ar/noticias/cuatro-provincias-recibiran-nuevas-transferencias-del-fondo-de-bosques>.

<sup>2863</sup> Cuatro provincias recibirán nuevas transferencias del fondo de bosques, Argentine Government (Buenos Aires) 17 April 2019. Access Date: 9 April 2019. <https://www.argentina.gov.ar/noticias/cuatro-provincias-recibiran-nuevas-transferencias-del-fondo-de-bosques>.

<sup>2864</sup> Ambiente presenta la cuarta edición del Concurso PROESUS para emprendedores sustentables, Argentine Government (Buenos Aires) 22 April 2019. Access Date: 15 April 2019. <https://www.argentina.gov.ar/noticias/ambiente-presenta-la-cuarta-edicion-del-concurso-proesus-para-emprendedores-sustentables>.

<sup>2865</sup> Ambiente presenta la cuarta edición del Concurso PROESUS para emprendedores sustentables, Argentine Government (Buenos Aires) 22 April 2019. Access Date: 15 April 2019. <https://www.argentina.gov.ar/noticias/ambiente-presenta-la-cuarta-edicion-del-concurso-proesus-para-emprendedores-sustentables>.

<sup>2866</sup> Ambiente presenta la cuarta edición del Concurso PROESUS para emprendedores sustentables, Argentine Government (Buenos Aires) 22 April 2019. Access Date: 15 April 2019. <https://www.argentina.gov.ar/noticias/ambiente-presenta-la-cuarta-edicion-del-concurso-proesus-para-emprendedores-sustentables>.

mobility.<sup>2867</sup> The event took place within the framework of a regional dialogue on sustainable transport. The participants discussed a wide range of issues, in particular public electric transport and reconversion of used vehicles as well as legislation issues.<sup>2868</sup>

On 24-25 April 2019, the Secretariat of Environment and Sustainable Development of Argentina organized a first workshop for with the aim of development of a long-term national strategy on low greenhouse gas emissions.<sup>2869</sup> The event was co-organized by the Secretariat of Agroindustry, National Agricultural Technology Institute and Avina Foundation. The workshop aimed to develop a local modeling capacity, strengthen a dialogue between decision makers and academia and provide technical inputs for the formulation of the national low emissions strategy in various sectors to 2050 in line with the National Cabinet of Climate Change activities.<sup>2870</sup>

The event was part of Argentina's efforts to comply with the Paris Agreement. Argentina presented its first contribution in 2015 and that revised in 2016, committing an absolute goal of not issuing more than 483 million tons by 2030.<sup>2871</sup>

Argentina has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

*Analyst: Elizaveta Safonkina*

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

Australia has fully complied with its commitment on climate change.

On 16 February 2019, it was announced that Australia aims to plant a billion trees by 2050 as part of a new forestry plan the government says will help the country meet its Paris Agreement climate targets. A sod-turning spree on that scale would contribute to the removal of 18 million tons of greenhouse gas per year by 2030 in a country currently producing in excess of 500 million tons of CO<sub>2</sub>-equivalent per year.<sup>2872</sup>

On 25 February 2019, Australia's prime minister Scott Morrison announced the launch of a new climate solutions package that would enable the country to meet its commitments without drastically

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<sup>2867</sup> El Secretario de Ambiente recibió a legisladores latinoamericanos especialistas en movilidad eléctrica, Argentine Government (Buenos Aires) 24 April 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/el-secretario-de-ambiente-recibio-legisladores-latinoamericanos-especialistas-en-movilidad>.

<sup>2868</sup> El Secretario de Ambiente recibió a legisladores latinoamericanos especialistas en movilidad eléctrica, Argentine Government (Buenos Aires) 24 April 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/el-secretario-de-ambiente-recibio-legisladores-latinoamericanos-especialistas-en-movilidad>.

<sup>2869</sup> Avanza la conformación de una estrategia nacional de largo plazo baja en emisiones, Argentine Government (Buenos Aires) 24 April 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/avanza-la-conformacion-de-una-estrategia-nacional-de-largo-plazo-baja-en-emisiones>.

<sup>2870</sup> Avanza la conformación de una estrategia nacional de largo plazo baja en emisiones, Argentine Government (Buenos Aires) 24 April 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/avanza-la-conformacion-de-una-estrategia-nacional-de-largo-plazo-baja-en-emisiones>.

<sup>2871</sup> Avanza la conformación de una estrategia nacional de largo plazo baja en emisiones, Argentine Government (Buenos Aires) 24 April 2019. Access Date: 25 April 2019. <https://www.argentina.gob.ar/noticias/avanza-la-conformacion-de-una-estrategia-nacional-de-largo-plazo-baja-en-emisiones>.

<sup>2872</sup> Australia in Tree-Planting Binge to Help Meet Climate Targets, Bloomberg (London) 16 February 2019. Access Date: 31 March 2019. <https://www.bloomberg.com/news/articles/2019-02-16/australia-in-tree-planting-binge-to-help-meet-climate-targets>.

affecting the economy.<sup>2873</sup> Australia plans to pay farmers, landholders and businesses an extra ARS2 billion (USD1.4 billion) to curb greenhouse gas emissions over the next decade amid concerns it could fail to meet its Paris climate change targets. The emissions reduction fund has signed contracts for 193m tonnes in emissions abatement.<sup>2874</sup>

On 28 February 2019, the Government announced the investment of ARS6.5 million to commence the process to introduce an energy rating label to space heating appliances. An energy rating label will allow consumers to compare different heating technologies and make a more informed decision which best fits their heating needs. This measure will deliver up to 15 million tonnes in emissions reductions to 2030.<sup>2875</sup>

Australia has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

*Analyst: Anna Kotlyarova*

### **Brazil: +1**

Brazil has fully complied with its commitment on climate change.

On 3 December 2018, the Ministry of Mines and Energy held a workshop on “sustainability in mine closure and management of environmental impacts” with lecture, among other topics, on post-closing sustainability and environmental impact management.<sup>2876</sup>

On 12 December 2018, the National Bank for Economic and Social Development received a contribution of BRL163 million for new financing of the Climate Fund. This fund supports projects for the implementation of projects, acquisition of machinery and equipment and technological development since they are related to the reduction of greenhouse gas emissions.<sup>2877</sup>

On 13 December 2018, the Minister of Agriculture of Brazil presented a report during the 24th Conference to the Parties of the United Nations Framework Convention on Climate Change witnessing of reducing from 100.21 to 154.38 million mg of carbon dioxide equivalent between 2010 and 2018. With the result, Brazil reached between 68 per cent and 105 per cent of the reduction target established for 2020 by the agriculture sector plan (Plan ABC).<sup>2878</sup>

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<sup>2873</sup> Australia launches climate change plan to tackle emissions, Financial Times (London) 25 February 2019. Access Date: 31 March 2019. <https://www.ft.com/content/eed6abe6-389d-11e9-b72b-2c7f526ca5d0>.

<sup>2874</sup> Australia launches climate change plan to tackle emissions, Financial Times (London) 25 February 2019. Access date: 31 March 2019. <https://www.ft.com/content/eed6abe6-389d-11e9-b72b-2c7f526ca5d0>.

<sup>2875</sup> Energy rating labels on space heating appliances factsheet, Department of the Environment and Energy (Canberra) 28 February 2019. Access Date: 31 March 2019. <https://www.energy.gov.au/publications/energy-rating-labels-space-heating-appliances-factsheet>.

<sup>2876</sup> MME promove workshop “Sustentabilidade para fechamento de minas e gestão dos impactos ambientais”, Ministério de Minas e Energia (Brasília) 4 December 2018. Access Date : 15 March 2019. [http://www.mme.gov.br/web/guest/pagina-inicial/outras-noticias/-/asset\\_publisher/32hLrOzMKwWb/content/mme-promove-workshop-sustentabilidade-para-fechamento-de-minas-e-gestao-dos-impactos-ambientais-;jsessionid=3B31FAD1DE985475154CFF49EF1B0D04.srv155](http://www.mme.gov.br/web/guest/pagina-inicial/outras-noticias/-/asset_publisher/32hLrOzMKwWb/content/mme-promove-workshop-sustentabilidade-para-fechamento-de-minas-e-gestao-dos-impactos-ambientais-;jsessionid=3B31FAD1DE985475154CFF49EF1B0D04.srv155)

<sup>2877</sup> BNDES terá mais R\$ 163 mi para projetos que reduzam gases de efeito estufa, Governo do Brasil (Brasília) 12 December 2019. Access Date: 30 March 2019. <http://www.brasil.gov.br/noticias/economia-e-financas/2018/12/bndes-tera-mais-r-163-mi-para-projetos-que-reduzam-gases-de-efeito-estufa>

<sup>2878</sup> Brasil antecipa compromisso de reduzir emissões de CO<sub>2</sub>, Governo do Brasil (Brasília) 13 December 2018. Access Date: 30 March 2019. <http://www.brasil.gov.br/noticias/meio-ambiente/2018/12/brasil-antecipa-compromisso-de-reduzir-emissoes-de-co2>.

On 1 February 2019, the Ministry of agriculture announced that interested in obtaining the “Agro + Integrity Seal” 2019/2020 can register on the website of the Ministry of Agriculture, starting February 1<sup>st</sup>. Ordinance No. 212/2019 establishes the rules of award for Agribusiness companies and cooperatives that, admittedly, develop good practices of integrity, ethics, social responsibility and sustainability.<sup>2879</sup>

On 3 April 2019, the Minister of Agriculture, Livestock and Food Supply Tereza Cristina launched the Rural Landscapes Project aimed at preservation of the Brazilian savannah.<sup>2880</sup>

Brazil has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

*Analyst: Polina Petrova*

### **Canada: +1**

Canada has fully complied with its commitment on climate change.

On 18 December 2018, the Minister of Environment and Climate Change Catherine McKenna signed the new Agreement on Environmental Cooperation among the Governments of Canada, the United States of America, and Mexico. This environmental cooperation agreement complements the ambitious environment chapter of the recently signed Agreement between Canada, the United States of America, and the United Mexican States and strengthens environmental cooperation between the three trade partners.<sup>2881</sup> The environmental cooperation agreement addresses international environmental challenges and identifies ways to seize opportunities presented by the new Agreement between Canada, the United States of America, and the United Mexican States.<sup>2882</sup>

On 20 December 2018, Catherine McKenna launched the CAD50 million Partnerships stream of the Low carbon economy challenge.<sup>2883</sup> The Partnerships stream will focus on projects that will generate clean growth and reduce emissions for Indigenous communities and organizations, small and medium-sized businesses, not-for-profit organizations, and small municipalities. Applicants to the

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<sup>2879</sup> Inscrições para o Selo Agro+Integridade estão abertas, Ministério da Agricultura, Pecuária e Abastecimento (Brasília) 1 February 2019. Access Date: 2 May 2019. <http://www.agricultura.gov.br/noticias/inscricoes-para-o-selo-agro-integridade-estao-abertas>.

<sup>2880</sup> Ministra participa do lançamento de projeto que vai recuperar paisagens degradadas do cerrado, Ministério da Agricultura, Pecuária e Abastecimento (Brasília) 3 April 2019. Access Date: 2 May 2019. <http://www.agricultura.gov.br/noticias/ministra-participa-do-lancamento-de-projeto-que-vai-recuperar-paisagens-degradadas-do-cerrado>.

<sup>2881</sup> Government of Canada signs environmental cooperation agreement with the United States and Mexico, Environment and Climate Change Canada (Ottawa) 18 December 2018. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2018/12/government-of-canada-signs-environmental-cooperation-agreement-with-the-united-states-and-mexico.html>.

<sup>2882</sup> Government of Canada signs environmental cooperation agreement with the United States and Mexico, Environment and Climate Change Canada (Ottawa) 18 December 2018. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2018/12/government-of-canada-signs-environmental-cooperation-agreement-with-the-united-states-and-mexico.html>.

<sup>2883</sup> Government of Canada supporting Canadian ingenuity through the Low Carbon Economy Challenge, Environment and Climate Change Canada (Ottawa) 20 December 2018. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2018/12/government-of-canada-supporting-canadian-ingenuity-through-the-low-carbon-economy-challenge.html>.

Partnerships stream will have until 8 March 2019, to apply, and information can be found on the Low Carbon Economy Challenge.<sup>2884</sup>

On 10 January 2019, the Minister of Environment and Climate Change Catherine McKenna announced the first-ever recipient of funding from the Low Carbon Economy Challenge's Champions stream, Enwave Energy Corporation. The Government is investing CAD10 million in the expansion of Enwave's deep lake water cooling system. This technology draws cold water from Lake Ontario and uses it to cool hospitals as well as government, educational, and high-rise buildings in Toronto's downtown core.<sup>2885</sup>

On 14 January 2019, Minister of Infrastructure and Communities François-Philippe Champagne and President of the Federation of Canadian Municipalities Vicki-May Hamm announced funding totaling CAD1.5 million from the Municipalities for Climate Innovation Program for two projects. The goal of these projects is to try out innovative solutions to reducing greenhouse gas emissions across the province.<sup>2886</sup>

On 25 January 2019, the Minister of Indigenous Services Seamus O'Regan announced that Newfoundland and Labrador will receive over CAD44 million through the Low Carbon Economy Leadership Fund for programs that support the province's climate action programs. The Government of Newfoundland and Labrador is matching this funding for a total investment of over CAD89 million.<sup>2887</sup>

On 12 February 2019, Catherine McKenna announced a new collaboration between the Canadian Centre for Climate Services and the Pacific Climate Impacts Consortium, based at the University of Victoria. Through this collaboration, the Government of Canada is investing CAD1.25 million over five years, in the Pacific Climate Impacts Consortium, enabling its scientists to share their expertise with Canadians.<sup>2888</sup> The Pacific Climate Impacts Consortium and the Canadian Centre for Climate Services will help Canadians plan for the impacts of climate change.<sup>2889</sup>

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<sup>2884</sup> Government of Canada supporting Canadian ingenuity through the Low Carbon Economy Challenge, Environment and Climate Change Canada (Ottawa) 20 December 2018. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2018/12/government-of-canada-supporting-canadian-ingenuity-through-the-low-carbon-economy-challenge.html>.

<sup>2885</sup> Government of Canada supporting Canadian innovation through the Low Carbon Economy Challenge, Environment and Climate Change Canada (Ottawa) 10 January 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/01/government-of-canada-supporting-canadian-innovation-through-the-low-carbon-economy-challenge.html>.

<sup>2886</sup> New funding for green infrastructure projects in Quebec, Infrastructure Canada (Ottawa) 14 January 2019. Access date: 19 February 2019. <https://www.canada.ca/en/office-infrastructure/news/2019/01/new-funding-for-green-infrastructure-projects-in-quebec.html>.

<sup>2887</sup> Canada and Newfoundland and Labrador announce funding to fight climate change, help homeowners save money, and improve energy efficiency in public buildings, Environment and Climate Change Canada (Ottawa) 25 January 2019. Access date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/01/canada-and-newfoundland-and-labrador-announce-funding-to-fight-climate-change-help-homeowners-save-money-and-improve-energy-efficiency-in-public-bu.html>.

<sup>2888</sup> Government of Canada delivering climate expertise to Canadians in collaboration with Pacific Climate Impacts Consortium, Environment and Climate Change Canada (Ottawa) 12 February 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/government-of-canada-delivering-climate-expertise-to-canadians-in-collaboration-with-pacific-climate-impacts-consortium.html>.

<sup>2889</sup> Government of Canada delivering climate expertise to Canadians in collaboration with Pacific Climate Impacts Consortium, Environment and Climate Change Canada (Ottawa) 12 February 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/government-of-canada-delivering-climate-expertise-to-canadians-in-collaboration-with-pacific-climate-impacts-consortium.html>.

On 12 February 2019, the Minister of Public Safety and Emergency Preparedness Ralph Goodale announced support for climate action by the City of Regina. Almost CAD1.3 million in funding will help expand Regina's successful landfill-gas-collection system.<sup>2890</sup> The system collects methane emitted by the landfill, reducing air pollution by preventing this potent greenhouse gas from being released into the atmosphere. The expansion project is an example of investing in practical solutions that will reduce carbon pollution by up to 30 per cent.<sup>2891</sup>

On 14 February 2019, Minister McKenna, announced the launch of WeatherCAN, the new Government of Canada weather app for mobile devices. WeatherCAN offers Canadians authoritative and up-to-date weather information.<sup>2892</sup> From daily updates on rainy or snowy weather, to information on extreme heat or cold forecasted weeks ahead, to warnings of severe storms and tornadoes, this app ensures Canadians get reliable weather forecasts and warnings.<sup>2893</sup>

On 15 February 2019, Minister McKenna, announced funding through the Climate Action Fund to Ecology Ottawa for their Youth Climate Ambassadors program. This project will enable 40 young Canadians to receive training and gain climate-related expertise.<sup>2894</sup> Ecology Ottawa is helping to raise awareness of climate change, cultivate the next generation of environmental leaders, and make Ottawa greener. The Climate Action Fund provides up to CAD3 million to support projects delivered by students, youth, Indigenous Peoples and organizations, not-for-profit organizations, small and medium-sized businesses, and research and educational institutions.<sup>2895</sup>

On 15 February 2019, it was announced that CAD184,000 will be allocated in support of a climate change project, which will lay the groundwork to rehabilitate Canada's abandoned and orphaned mines. This project, led by the Mining Innovation Rehabilitation and Applied Research Corporation, will develop a comprehensive approach for evaluating rehabilitation plans for abandoned mines through a review of 15 to 20 sites in Ontario and the Northwest Territories, including an in-depth review of three.<sup>2896</sup>

On 22 February 2019, Minister McKenna, announced support for climate action by McGill University. The government is investing up to CAD1.8 million to help McGill upgrade its heating

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<sup>2890</sup> Government of Canada supports climate action by City of Regina, Environment and Climate Change Canada (Ottawa) 12 February 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/government-of-canada-supports-climate-action-by-city-of-regina.html>.

<sup>2891</sup> Government of Canada supports climate action by City of Regina, Environment and Climate Change Canada (Ottawa) 12 February 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/government-of-canada-supports-climate-action-by-city-of-regina.html>.

<sup>2892</sup> Environment and Climate Change Canada launches weather app, Environment and Climate Change Canada (Ottawa) 12 February 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/environment-and-climate-change-canada-launches-weather-app.html>.

<sup>2893</sup> Environment and Climate Change Canada launches weather app, Environment and Climate Change Canada (Ottawa) 12 February 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/environment-and-climate-change-canada-launches-weather-app.html>.

<sup>2894</sup> Government of Canada supports climate action to help Ottawa youth become environment leaders, Environment and Climate Change Canada (Ottawa) 15 February 2019. Access date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/government-of-canada-supports-climate-action-to-help-ottawa-youth-become-environment-leaders.html>.

<sup>2895</sup> Government of Canada supports climate action to help Ottawa youth become environment leaders, Environment and Climate Change Canada (Ottawa) 15 February 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/government-of-canada-supports-climate-action-to-help-ottawa-youth-become-environment-leaders.html>.

<sup>2896</sup> Canada Invests in Climate Change Research for Abandoned and Orphaned Mines, Natural Resources Canada (Ottawa) 15 February 2019. Access Date: 18 February 2019. <https://www.canada.ca/en/natural-resources-canada/news/2019/02/canada-invests-in-climate-change-research-for-abandoned-and-orphaned-mines.html>.

equipment and distribution system, upgrades that will reduce fuel consumption, reduce emissions, and make the local air cleaner.<sup>2897</sup>

On 22 February 2019, Minister McKenna, announced a new collaboration between the Canadian Centre for Climate Services and Ouranos, in Quebec. Through this collaboration, the Government of Canada is investing CAD1.25 million over five years, in Ouranos—a climate-science consortium based in Quebec. This investment will enhance Ouranos’s ability to share climate-science expertise and help Canadians plan for the impacts of climate change.<sup>2898</sup>

On 22 February 2019, Gagan Sikand, Member of Parliament for Mississauga–Streetsville, on behalf of the Honourable Amarjeet Sohi, Canada’s Minister of Natural Resources, announced more than CAD1.3 million to support six climate change projects in Southern Ontario. Funded through the Climate Change Adaptation Program, the projects will focus on water management and infrastructure. Research findings will help communities and decision makers better adapt to climate change and mitigate its impacts.<sup>2899</sup>

On 1 March 2019, Catherine McKenna welcomed the Royal Assent of Bill C-57, the Act to Amend the Federal Sustainable Development Act, now covering nearly three times its original scope. This renewed approach to sustainable development in Canada makes decision-making more transparent, more accountable to Parliament, and promotes close collaboration across over 90 federal organizations.<sup>2900</sup>

On 12 March 2019, the Leader of the Government in the House of Commons and Member of Parliament for Waterloo, Bardish Chagger, on behalf of the Minister of Environment and Climate Change, Catherine McKenna, announced support for climate action by the Region of Waterloo. The Government is investing up to CAD1.5 million, subject to a formal funding agreement, to help the Region of Waterloo increase gas collection efficiency at the Waterloo Landfill facility.<sup>2901</sup>

On 29 March 2019, Catherine McKenna and Member of Parliament for Kanata—Carleton and Parliamentary Secretary to the Minister of Public Safety and Emergency Preparedness Karen McCrimmon, were in Kanata to highlight Budget 2019, Investing in the Middle Class.<sup>2902</sup> The Budget makes significant investments to protect Canada’s environment—while also helping create new jobs and make life more affordable for Canadians. These investments go hand-in-hand with efforts to

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<sup>2897</sup> Government of Canada supports climate action by McGill University, Environment and Climate Change Canada (Ottawa) 22 February 2019. Access Date: 2 April 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/government-of-canada-supports-climate-action-by-mcgill-university.html>.

<sup>2898</sup> Government of Canada collaborates with Quebec’s Ouranos to bring climate expertise to Canadians, Environment and Climate Change Canada (Ottawa) 22 February 2019. Access Date: 2 April 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/02/government-of-canada-collaborates-with-quebecs-ouranos-to-bring-climate-expertise-to-canadians.html>.

<sup>2899</sup> Canada Invests in Climate Change Adaptation and Resilience for Water Systems in Southern Ontario, Natural Resources Canada (Ottawa) 22 February 2019. Access Date: 4 April 2019. <https://www.canada.ca/en/natural-resources-canada/news/2019/02/canada-invests-in-climate-change-adaptation-and-resilience-for-water-systems-in-southern-ontario.html>.

<sup>2900</sup> Government of Canada strengthens accountability and transparency for sustainable development, Environment and Climate Change Canada (Ottawa) 22 February 2019. Access Date: 2 April 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/03/government-of-canada-strengthens-accountability-and-transparency-for-sustainable-development.html>.

<sup>2901</sup> Government of Canada supports climate action by Region of Waterloo, Environment and Climate Change Canada (Ottawa) 12 March 2019. Access Date: 2 April 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/03/government-of-canada-supports-climate-action-by-region-of-waterloo.html>

<sup>2902</sup> Budget 2019: Building a Clean Economy, Environment and Climate Change Canada (Ottawa) 29 March 2019. Access Date: 2 April 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/03/budget-2019-building-a-clean-economy.html>.

help more people find a home, find and keep good jobs, retire with confidence, and get affordable prescription drugs when they need them.<sup>2903</sup>

On 3 April 2019, Parliamentary Secretary to Canada's Minister of Natural Resources Paul Lefebvre announced a CAD22.7 million investment to help FPInnovations diversify markets and fight climate change. The investments include: over CAD20.4 million to advance new forest-based products to go on the market; and over CAD2.3 million to support a research project to help the Canadian forest sector protect the market access and improve environmental performance.<sup>2904</sup>

On 4 April 2019, the Minister of Seniors Filomena Tassi highlighted funding through the Climate Action Fund to help the Centre for Climate Change at Mohawk College advance climate action in the Bay Area. Through this funding, Mohawk College recently organized the Cities in Action: Bay Area Climate Change Summit from 25-28 March, and the Youth Summit on 29 March 2019. These events empowered people and organizations to take climate action in their communities.<sup>2905</sup>

On 8 April 2019, Minister McKenna announced funding from the Low Carbon Economy Challenge's Champions stream to Loblaw. The Government is investing up to CAD12 million, subject to a funding agreement, to help the company convert the refrigeration systems in approximately 370 stores across Canada over the next three years.<sup>2906</sup> This project will help reduce Loblaw's annual emissions by approximately 23 per cent. By leveraging up to CAD36 million in investments made by Loblaw, the Government is working together with Canadian business to support ingenuity and grow Canada's clean economy.<sup>2907</sup>

On 23 April 2019, Catherine McKenna, announced that the Nature Conservancy of Canada will lead the administration and delivery of a new CAD100 million, four-year national program (pending a final funding agreement) that will help protect more of Canada's nature.<sup>2908</sup> The Natural Heritage Conservation Program will be delivered by the Nature Conservancy of Canada and its partners, including Ducks Unlimited Canada, Wildlife Habitat Canada, and the Canadian Land Trusts Working Committee. The program will assist local, provincial, and national conservation land trusts in securing land from private landowners, as well as in securing private interests (e.g. forest tenures) on land to establish new protected and conserved areas.<sup>2909</sup>

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<sup>2903</sup> Budget 2019: Building a Clean Economy, Environment and Climate Change Canada (Ottawa) 29 March 2019. Access Date: 2 April 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/03/budget-2019-building-a-clean-economy.html>.

<sup>2904</sup> Canada Invests in Forest Innovation to Grow the Economy and Create Good Jobs, Natural Resources Canada (Ottawa) 3 April 2019. Access date: 4 April 2019. <https://www.canada.ca/en/natural-resources-canada/news/2019/04/canada-invests-in-forest-innovation-to-grow-the-economy-and-create-good-jobs.html>

<sup>2905</sup> Government of Canada supports climate action by Mohawk College to empower young people and reduce carbon pollution, Environment and Climate Change Canada (Ottawa) 4 April 2019. Access date: 1 May 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/04/government-of-canada-supports-climate-action-by-mohawk-college-to-empower-young-people-and-reduce-carbon-pollution.html>

<sup>2906</sup> Government of Canada supports climate action by Loblaw, Environment and Climate Change Canada (Ottawa) 8 April 2019. Access date: 1 May 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/04/government-of-canada-supports-climate-action-by-loblaw.html>

<sup>2907</sup> Government of Canada supports climate action by Loblaw, Environment and Climate Change Canada (Ottawa) 8 April 2019. Access date: 1 May 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/04/government-of-canada-supports-climate-action-by-loblaw.html>

<sup>2908</sup> Canada invests to protect more nature in southern Canada, Environment and Climate Change Canada (Ottawa) 23 April 2019. Access date: 1 May 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/04/canada-invests-to-protect-more-nature-in-southern-canada.html>

<sup>2909</sup> Canada invests to protect more nature in southern Canada, Environment and Climate Change Canada (Ottawa) 23 April 2019. Access date: 1 May 2019. <https://www.canada.ca/en/environment-climate-change/news/2019/04/canada-invests-to-protect-more-nature-in-southern-canada.html>

Canada has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

**China: +1**

China has fully complied with its commitment on climate change.

On 29 December 2018, two solar power bases in Qinghai Province, with a total installed power generating capacity of 1 GW, were launched and connected to the grid. It is planned that solar power bases will help to cut annual emissions of carbon dioxide and sulfur dioxide.<sup>2910</sup>

On 4 January 2019, Beijing Municipal Commission of Planning and Natural Resources and the district government of Tongzhou announced the Regulatory Planning of Beijing Sub-center. They plan to focus on building environmental-friendly transport network, reduction of greenhouse gas emission, promotion of clean energy such as electricity and natural gas, and clean energy supporting facilities.<sup>2911</sup>

On 11 January 2019, Shanxi and Heilongjiang province authorities took measures to reduce coal consumption and switch to renewable sources of energy. In Shanxi, the total installed wind and solar power generating capacities exceeded 19 GW. Heilongjiang is also seeking to reduce its long-time reliance on coal by developing more new energy power generating capacities.<sup>2912</sup>

China has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

**France: +1**

France has fully complied with its commitment on climate change.

On 7 December 2018, French Ministry of Agriculture and Food took part in the 24th Conference of the Parties to United Nations Framework Convention on Climate Change to participate in the negotiations on agriculture and land issue and also to organize or to take part in side events and international initiatives under the Global Agenda on Climate Action.<sup>2913</sup>

On 7 January 2019, Conference of the French Development Agency on Solutions Based on Nature & Development was held in the presence of more than 150 participants, agency directors, agents and partners of the group to deal with major problems like climate change, water scarcity, health, food, uncontrolled urbanization.<sup>2914</sup>

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<sup>2910</sup> Two solar power bases launched in northwestern China, Xinhua News Agency (Beijing) 29 December 2018. Access Date: 28 April 2019. [http://www.xinhuanet.com/english/2018-12/29/c\\_137707579.htm](http://www.xinhuanet.com/english/2018-12/29/c_137707579.htm)

<sup>2911</sup> Beijing's sub-center aims for green transport, Xinhua News Agency (Beijing) 4 January 2019. Access Date: 29 April 2019. [http://www.xinhuanet.com/english/2019-01/04/c\\_137719688.htm](http://www.xinhuanet.com/english/2019-01/04/c_137719688.htm).

<sup>2912</sup> Chinese coal-rich provinces turn to more new energy, Xinhua News Agency (Beijing) 11 January 2019. Access Date: 29 April 2019. [http://www.xinhuanet.com/english/2019-01/11/c\\_137736534.htm](http://www.xinhuanet.com/english/2019-01/11/c_137736534.htm)

<sup>2913</sup> UN Climate Change Conference (COP24), FAO (Rome) 7 December 2018. Access Date: 6 May 2019. <http://www.fao.org/climate-change/international-fora/major-events/cop-24/en/>.

<sup>2914</sup> SOLUTIONS FONDÉES SUR LA NATURE & DÉVELOPPEMENT, Le groupe Agence française de développement (AFD) (Paris) 1 January 2019. Access Date: 1 April 2019. <https://www.afd.fr/fr/solutions-fondees-sur-la-nature-developpement>.

On 6 February 2019, the order of the Minister of State, Minister of Ecological and Solidary Transition announcing the opening of the competition for the recruitment of sustainable development researchers was published.<sup>2915</sup>

On 23 April 2019, the Ministers of Ecological Transition, Agriculture and Food François de Rugy and Didier Guillaume, and the Secretary of State to the Minister of Ecological Transition Brune Poirson, announced the launch of the low-carbon label.<sup>2916</sup>

On 25 April 2019, Minister for Ecological and Solidarity Transition Emmanuelle Wargon signed the Ecological Transition Contract of the rural territorial balance Pole of Briançonnais, Ecrins, Guillestrois and Queyras.<sup>2917</sup>

France has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

**Germany: +1**

Germany has fully complied with its commitment on climate change.

On 3 December 2018, at the 24th Conference of the Parties to the United Nations Framework Convention on Climate Change in Katowice, German Environment Minister Svenja Schulze and German Development Minister Gerd Müller announced that the country would commit new funding of EUR1.5 billion to the Green Climate Fund in order to support the implementation of the Paris Agreement and global cooperation in the effort to tackle climate change.<sup>2918</sup>

On 7 December 2018, the Ministry for the Environment, Nature Conservation and Nuclear Safety announced new support of EUR25 million for several forest conservation and restoration projects in Colombia, Vietnam, Kenya and some other African countries to be channeled through its International Climate Initiative (IKI).<sup>2919</sup>

On 11 December 2018, Environment Minister Svenja Schulze announced that the Ministry for the Environment, Nature Conservation and Nuclear Safety will make an additional EUR70 million available to the Adaptation Fund that helps regions particularly affected by climate change to better

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<sup>2915</sup> Arrêté du 6 février 2019 autorisant au titre de l'année 2019 l'ouverture d'un concours pour le recrutement de chargés de recherche du développement durable de classe normale, Le Service Public de la Diffusion du Droit (Paris) 10 February 2019. Access Date: 1 April 2019. <https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000038109365&fastPos=9&fastReqId=1501862455&categorieLien=id&oldAction=rechTexte>.

<sup>2916</sup> Le gouvernement lance le label bas-carbone, Les Marchés (Paris) 24 April 2019. Access date: 1 April 2019. <https://lesmarches.reussir.fr/le-gouvernement-lance-le-label-bas-carbone>

<sup>2917</sup> Emmanuelle Wargon signe le premier Contrat de transition écologique (CTE) de montagne, Ministère de la Transition écologique et solidaire (Paris) 25 April 2019. Access date: 29 April 2019. <https://www.ecologique-solidaire.gouv.fr/emmanuelle-wargon-signe-premier-contrat-transition-ecologique-cte-montagne>

<sup>2918</sup> Environment Minister Schulze and Development Minister Müller in Katowice: Germany to double pledge for Green Climate Fund, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bonn) 3 December 2018. Access Date: 15 April 2019. <https://www.bmu.de/en/pressrelease/environment-minister-schulze-and-development-minister-mueller-in-katowice-germany-to-double-pledge-f-1/>.

<sup>2919</sup> Germany invests in regenerative climate action, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bonn) 7 December 2018. Access Date: 15 April 2019. <https://www.bmu.de/en/pressrelease/deutschland-investiert-in-nachwachsenden-klimaschutz/>.

prepare themselves for climate impacts.<sup>2920</sup> The Fund finances, inter alia, early warning systems for floods and heavy rainfall, and measures for securing water supply and switching to drought-resistant farming methods in agriculture. Germany is the largest donor to the Fund.<sup>2921</sup>

On 12 December 2018, the Ministry for Economic Cooperation and Development and the Ministry for the Environment, Nature Conservation and Nuclear Safety announced at the Climate Change Conference in Katowice that Germany will provide EUR68 million to the global Partnership for implementing nationally determined contributions (NDCs). The NDC Partnership was established in 2016 by Morocco and Germany and currently includes almost 90 countries and 20 international organizations.<sup>2922</sup>

On 13 February 2019, Federal Environment Minister Schulze and her Indian counterpart Harsh Vardhan participated in the third Indo-German Environment Forum and agreed that Germany will fund Indian climate action projects, including sustainable forests projects, with an additional EUR35 million.<sup>2923</sup>

On 1 March 2019, the Ministry for the Environment, Nature Conservation and Nuclear Safety launched the third call for project ideas, running up to 12 April 2019, under the European Climate Initiative (EUKI). In the call, non-profit organizations were invited to submit project ideas aimed at accelerating the implementation of the Paris Agreement in Europe and contributing to intra-European dialogue and cooperation between different European Union member states.<sup>2924</sup>

Germany has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

*Analyst: Andrey Shelepon*

### **India: 0**

India has partially complied with its commitment on climate change.

On 13 February 2019, Federal Environment Minister Schulze and her Indian counterpart Harsh Vardhan participated in the third Indo-German Environment Forum and agreed that Germany will

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<sup>2920</sup> Germany boosts international fund for adaptation to climate change with 70 million euros, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bonn) 11 December 2018. Access Date: 15 April 2019. <https://www.bmu.de/en/pressrelease/deutschland-staerkt-internationalen-fonds-zur-anpassung-an-den-klimawandel-mit-70-millionen-euro/>.

<sup>2921</sup> Germany boosts international fund for adaptation to climate change with 70 million euros, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bonn) 11 December 2018. Access Date: 15 April 2019. <https://www.bmu.de/en/pressrelease/deutschland-staerkt-internationalen-fonds-zur-anpassung-an-den-klimawandel-mit-70-millionen-euro/>.

<sup>2922</sup> Germany helps developing countries and emerging economies implement climate targets, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bonn) 12 December 2018. Access Date: 15 April 2019. <https://www.bmu.de/en/pressrelease/deutschland-hilft-entwicklungs-und-schwellenlaendern-bei-umsetzung-ihrer-klimaziele/>.

<sup>2923</sup> Minister Schulze agrees closer environmental cooperation with India, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bonn) 13 February 2019. Access Date: 15 April 2019. <https://www.bmu.de/en/pressrelease/schulze-vereinbart-engere-umweltzusammenarbeit-mit-indien/>.

<sup>2924</sup> Federal Environment Ministry launches third call for project ideas under the European Climate Initiative, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bonn) 1 March 2019. Access Date: 15 April 2019. <https://www.bmu.de/en/pressrelease/bundesumweltministerium-startet-dritten-ideenwettbewerb-der-europaeischen-klimaschutzinitiative/>.

fund Indian climate action projects, including sustainable forests projects, with an additional EUR35 million.<sup>2925</sup>

On 16 April 2019, Ministry of Environment, Forest and Climate Change organized one-day National workshop on Loss and Damage in India to deliberate and brainstorm on emerging perspectives on approaches to assess, minimize and address climate-related loss and damage.<sup>2926</sup>

India has taken actions aimed at climate change adaptation and financing but failed to address issue of holding the increase of global temperature in agreed numbers.

Thus, it receives a score of 0.

### **Indonesia: +1**

Indonesia has fully complied with its commitment on climate change.

On 4 February 2019, it was reported that the Asian Development Bank had invested USD20 million in AC Energy's (Philippines) climate bond issuance (worth in total USD410 million); the listing was US dollar climate bonds in Southeast Asia listed on the Singapore Stock Exchange, the proceeds from which will finance renewable energy projects in the Asia and Pacific region, including Indonesia.<sup>2927</sup>

On 19 February 2019, Indonesia Low Emissions Network was launched by Green Partner Foundation (a self-funded non-governmental organization), with the goal to strengthen partnerships between state and non-state actors, to help the government develop and review low carbon development related policies, improve access to low carbon financial resources and increase private sector involvement in implementing low carbon development policies in Indonesia.<sup>2928</sup>

On 20 February 2019, it was reported that the government of Indonesia listed two green sukuk issuances at Nasdaq Dubai, one valued at USD1.25 billion and the other at USD0.75 billion, which are intended to raise capital for sustainable development initiatives.<sup>2929</sup>

On 11 March 2019, it was reported that Indonesia's Ministry of Finance was considering tax changes to boost output and exports of greener cars; currently vehicles are taxed in Indonesia on a range of between 0 percent to 125 per cent depending on engine capacity, the size of the car, the type of fuel it uses and whether it is two- or four-wheel drive, while it is proposed to charge an 8 percent luxury

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<sup>2925</sup> Minister Schulze agrees closer environmental cooperation with India, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (Bonn) 13 February 2019. Access Date: 15 April 2019. <https://www.bmu.de/en/pressrelease/schulze-vereinbart-engere-umweltzusammenarbeit-mit-indien/>.

<sup>2926</sup> One day National workshop on Loss and Damage in India, organized by Ministry of Environment, Forest and Climate Change (MoEFCC), Public Information Bureau (Delhi) 16 April 2019. Access Date: 16 April 2019.

<http://www.pib.nic.in/PressReleaseDetail.aspx?PRID=1570790>.

<sup>2927</sup> Asian Development Bank invests into new climate bond issuance for AC Energy, Think GeoEnergy (Reykjavik) 4 February 2019. Access Date: 15 April 2019. <http://www.thinkgeoenergy.com/asian-development-bank-invests-into-new-climate-bond-issuance-for-ac-energy/>

<sup>2928</sup> Indonesia's climate change stakeholders boosted, The ASEAN Post (Kuala Lumpur) 20 February 2019. Access Date: 15 April 2019. <https://theaseanpost.com/article/indonesias-climate-change-stakeholders-boosted>

<sup>2929</sup> Indonesia lists \$2bn green sukuk on Nasdaq Dubai, Arabian Business (Dubai) 20 February 2019. Access date: 15 April 2019. <https://www.arabianbusiness.com/banking-finance/413666-indonesia-issues-2bn-green-sukuk-on-nasdaq-dubai>.

tax for cars running on renewable fuel, including palm oil-based fuel, eliminate taxes for electric vehicles, and cut taxes for hybrid cars.<sup>2930</sup>

Indonesia has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

### **Italy: +1**

Italy has fully complied with its commitment on climate change.

On 2-15 December 2018, during the 24th Conference of the Parties to United Nations Framework Convention on Climate Change in Katowice, Environment Minister Sergio Costa reiterated the importance and urgency, for the international community, to “accelerate the pace of the fight against climate change, which cannot be separated from the adoption of a package of ambitious and effective rules applicable to all, in full agreement with the spirit of Paris.”<sup>2931</sup>

On 20 December 2018, the Unified Conference was held in the presence of Undersecretary for Economic Development Davide Crippa. Among the topics on the agenda there were the Plan for sustainable mobility and the opinion on the draft decree of the Ministry of Economic Development for encouraging the production of energy from renewable sources. The new Sustainable Mobility Plan provides 80 per cent incentives for the purchase of new zero-emission buses and urban electric buses with the possibility for the regions to carry out studies for the transformation of transport into electricity.<sup>2932</sup>

On 30 December 2018, the Italian Government approved Budget law that includes introduction of ecotax on acquisition of new cars that emit between 161 and 175 CO<sub>2</sub> g / km to make people refuse such cars and, therefore, to decrease the amount of emissions released into the air.<sup>2933</sup>

On 8 January 2019, the Italian government sent to Brussels the national energy climate 2030 proposal that aims to define the actions necessary to achieve the ambitious objectives of reducing emissions and increasing renewables, which will allow us to continue on our virtuous path of decarbonizing the economy, starting with the full elimination of the use of coal by 2025.<sup>2934</sup>

On 8 January 2019, the Italian government elaborated amendment to the Simplification Decree which included introduction of the Plan for Sustainable Energy Transition of the Eligible Areas. This plan falls fully within the program of the Government of Change oriented to decarbonisation, with

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<sup>2930</sup> Indonesia plans tax changes to drive output, exports of greener cars, Reuters (Jakarta) 11 March 2019. Access Date: 15 April 2019. <https://www.reuters.com/article/us-indonesia-autos-tax/indonesia-plans-tax-changes-to-drive-output-exports-of-greener-cars-idUSKBN1QS11B>.

<sup>2931</sup> Cop 24, Ministro Costa a Katowice: “Urgente intensificare lotta a cambiamenti climatici”, Ministero dell’Ambiente e della Tutela del Territorio e del Mare (Rome) 2 and 15 December 2018. Access Date: 30 January 2019. <https://www.minambiente.it/comunicati/cop-24-ministro-costa-katowice-urgente-intensificare-lotta-cambiamenti-climatici>.

<sup>2932</sup> Crippa a conferenza unificata pieno accordo sul nuovo piano mobilità sostenibile, Ministero dello sviluppo economico (Rome) 20 December 2018. Access Date: 30 January 2019. <https://www.mise.gov.it/index.php/it/per-i-media/notizie/2039006-crippa-a-conferenza-unificato-pieno-%20for%20agreement-on-the-new-piano%20-%20mobilita%20->

<sup>2933</sup> LEGGE 30 dicembre 2018, n. 145, GAZZETTA UFFICIALE (Rome) 31 December 2018. Access Date: 30 March 2019. <https://www.gazzettaufficiale.it/eli/gu/2018/12/31/302/so/62/sg/pdf>.

<sup>2934</sup> Il Mise pubblica la proposta di Piano nazionale energia e clima 2030, Rinnovabili.it (Rome) 9 January 2019. Access Date: 30 February 2019. <http://www.rinnovabili.it/energia/piano-nazionale-energia-clima/>

the replacement of oil and derivatives and the use of renewable sources to achieve sustainability and independence of the national energy system.<sup>2935</sup>

On 20 March 2019, the Ministry of the Environment and the Economic Development Department presented the Integrated National Plan for Energy and Climate 2030. The plan aims to implement a vision of wide transformation of the economy, in which decarbonisation, the circular economy, efficiency and the rational and equitable use of natural resources together represent objectives and tools for an economy that is more respectful of people and the environment.<sup>2936</sup>

Italy has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

### **Japan: +1**

Japan has fully complied with its commitment on climate change.

On 25 December 2018, Japan's Ministry of Economy, Trade and Industry published guidelines for corporate climate-related financial disclosures aimed to encourage companies to effectively disclose the strong points of their proactive efforts for addressing climate change, thereby encouraging a further growing number of investors and other stakeholders have been requesting that companies disclose corporate information on their efforts involving climate change.<sup>2937</sup>

On 1 February 2019, Japan's Agency for Natural Resources and Energy announced establishment of a new office named the "Carbon Recycling Promotion Office" aiming to promote technological innovations involving capture, storage and utilization of carbon dioxide, including "as fuel or a raw material or even in the growing of vegetables."<sup>2938</sup>

On 19 December 2018, Japan International Cooperation Agency signed a project implementation agreement worth approximately USD 4 million, with the United Nations Development Programme under the international mechanism to reduce carbon dioxide emissions from deforestation and forest degradation, to implement the project of conserving valuable forests and biodiversity of the Congo Basin of Africa (Democratic Republic of Congo), the second largest rainforest area in the world critical to fighting global climate change.<sup>2939</sup>

On 20 December 2018, Japan International Cooperation Agency signed a record of discussions with the Government of Samoa for the project for capacity-building on climate resilience in the Pacific, a technical cooperation project aimed to enhance climate resilience in the Pacific region by expanding training functionality at the Pacific Climate Change Center launched with grant aid from Japan, which

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<sup>2935</sup> Pronto l'emendamento 'blocca trivelle' che sarà presentato nel Decreto Semplificazione, Ministero dello sviluppo economico (Rome) 9 January 2019. Access Date: 30 February 2019. <https://www.mise.gov.it/index.php/it/per-i-media/notizie/2039052-decreto-semplificazioni-pronto-l-emendamento-blocca-trivelle>.

<sup>2936</sup> Piano energia e clima 2030, l'Italia verso la decarbonizzazione, Biblus-net (Rome) 28 March 2019. Access Date: 30 April 2019. <http://biblus.acca.it/piano-energia-e-clima-2030/>

<sup>2937</sup> METI Formulates TCFD Guidance and Declares its Support for TCFD, Japan's Ministry of Economy, Trade and Industry (Tokyo) 25 December 2018. Access Date: 15 April 2019. [http://www.meti.go.jp/english/press/2018/1225\\_006.html](http://www.meti.go.jp/english/press/2018/1225_006.html).

<sup>2938</sup> Carbon Recycling Promotion Office to be Established at ANRE, Japan's Ministry of Economy, Trade and Industry (Tokyo) 25 December 2018. Access date: 15 April 2019. [http://www.meti.go.jp/english/press/2019/0201\\_004.html](http://www.meti.go.jp/english/press/2019/0201_004.html)

<sup>2939</sup> JICA receives a Central African Forest Initiative Funding Project Fund for the Democratic Republic of the Congo: Contributing to forest conservation and fighting global climate change in the Congo Basin, JICA (Tokyo) 19 December 2018. Access date: 15 April 2019. [https://www.jica.go.jp/english/news/press/2018/181219\\_01\\_01.html](https://www.jica.go.jp/english/news/press/2018/181219_01_01.html)

will provide regional training in climate change adaptation, mitigation, and access to climate finance.<sup>2940</sup>

On 18 January 2019, Japan International Cooperation Agency signed a loan agreement with the Government of India on JPY15 billion to finance the Program for Japan-India Cooperative Actions towards Sustainable Development Goals in India.<sup>2941</sup>

On 22 January 2019, Japan's Global Environment Centre Foundation announced the results of selection of six new projects under the Joint Crediting Mechanism [which is designed to appropriately evaluate contributions from Japan to greenhouse gas emission reductions or removals in a quantitative manner achieved through the diffusion of low carbon technologies, products, systems, services, and infrastructure as well as implementation of mitigation actions in developing countries] that will be implemented in Kenya, Lao PDR, Indonesia (2 projects) and Thailand (2 projects).<sup>2942</sup>

Japan has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

### **Korea: +1**

Korea has fully complied with its commitment on climate change.

On 24 December 2018, the Ministry of Environment of Korea presented the national plan of Korea on implementation of the United Nations Sustainable Development Goals (SDGs).<sup>2943</sup> The Plan contains a set of specified targets to ensure sustainability of Korea, including climate change adaptation and mitigation. The Ministry of Environment of Korea presented the national plan of Korea on implementation of the SDGs.<sup>2944</sup> The Plan contains a set of specified targets to ensure sustainability of Korea, including climate change adaptation and mitigation. The Ministry of Environment has worked with the Korea Major Groups and other Stakeholders (K-MGoS) which is made up from 90 organizations and institutions and has held two large scale public forums to gather public opinion.<sup>2945</sup> The outcome of that process was finalized through coordination with other concerned government offices. The K-SDGs plan differs from the previous sustainable development

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<sup>2940</sup> Signing of Record of Discussions on Technical Cooperation Project with Samoa: Support for strengthening climate resilience in the Pacific region, JICA (Tokyo) 20 December 2018. Access date: 15 April 2019. [https://www.jica.go.jp/english/news/press/2018/181220\\_01.html](https://www.jica.go.jp/english/news/press/2018/181220_01.html)

<sup>2941</sup> Signing of Japanese ODA Loan Agreements with India: Contributing to economic growth and social development in India toward sustainable development, JICA (Tokyo) 18 January December 2019. Access date: 15 April 2019. [https://www.jica.go.jp/english/news/press/2018/190118\\_01.html](https://www.jica.go.jp/english/news/press/2018/190118_01.html)

<sup>2942</sup> Preliminary Selection Result for Financing Programme for JCM Model Projects in FY2018 (2nd Announcement for 2nd Call), GEC (Tokyo) 29 January 2019. Access date: 15 April 2019. <http://gec.jp/jcm/kobo/mp190129/>

<sup>2943</sup> A milestone for the sustainable future, establishing K-SDGs, Korean Ministry of Environment (Seoul) 24 December 2018. Access date: 2 April 2019.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=21&orgCd=&boardId=934470&boardMasterId=522&boardCategoryId=&decorator=>

<sup>2944</sup> A milestone for the sustainable future, establishing K-SDGs, Korean Ministry of Environment (Seoul) 24 December 2018. Access Date: 2 April 2019.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=21&orgCd=&boardId=934470&boardMasterId=522&boardCategoryId=&decorator=>

<sup>2945</sup> A milestone for the sustainable future, establishing K-SDGs, Korean Ministry of Environment (Seoul) 24 December 2018. Access Date: 2 April 2019.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=21&orgCd=&boardId=934470&boardMasterId=522&boardCategoryId=&decorator=>

plan of Korea applied in 2016 in terms of consistency with the SDGs milestones.<sup>2946</sup> The main frameworks such as structure or the setting of targets are now in line with the SDGs. However, targets have been reshaped to fit the local settings, namely such indicators and goals as the proportion of the population in abject poverty, tackling malnutrition, ending open defecation, and eliminating female genital mutilation are excluded as they are not suited to the circumstances in Korea.<sup>2947</sup> In line with the K-SDGs plan, 5 strategies along with 17 goals and 122 targets were suggested for implementation. Korea's national priorities now embrace all the SDGs and those related to climate change in particular covering all the features outlined in the related section of the commitment's description (SDG 13).<sup>2948</sup>

Korea has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

### **Mexico: +1**

Mexico has fully complied with its commitment on climate change.

On 29 December 2018, Secretary Josefa González Blanco announced that Ministry of Environment and Natural Resources will carry out the integral plan to rescue the Monarch Butterfly Biosphere Reserve as a matter of urgency in attention to the issues of water, reforestation and surveillance in the region.<sup>2949</sup>

On 16 December 2018, Ministry of Environment and Natural Resources announced that it is maintaining a permanent monitoring of the activities that are carried out in Dos Bocas in order to ensure compliance with environmental legislation, or otherwise, punish anyone who has incurred in any irregularity.<sup>2950</sup>

On 18 December 2018, the Minister of Environment and Climate Change Catherine McKenna signed the new Agreement on Environmental Cooperation among the Governments of Canada, the United States of America, and Mexico.<sup>2951</sup> This environmental cooperation agreement complements

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<sup>2946</sup> A milestone for the sustainable future, establishing K-SDGs, Korean Ministry of Environment (Seoul) 24 December 2018. Access Date: 2 April 2019.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=21&orgCd=&boardId=934470&boardMasterId=522&boardCategoryId=&decorator=>

<sup>2947</sup> A milestone for the sustainable future, establishing K-SDGs, Korean Ministry of Environment (Seoul) 24 December 2018. Access Date: 2 April 2019.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=21&orgCd=&boardId=934470&boardMasterId=522&boardCategoryId=&decorator=>

<sup>2948</sup> A milestone for the sustainable future, establishing K-SDGs, Korean Ministry of Environment (Seoul) 24 December 2018. Access Date: 2 April 2019.

<http://eng.me.go.kr/eng/web/board/read.do?pagerOffset=0&maxPageItems=10&maxIndexPages=10&searchKey=&searchValue=&menuId=21&orgCd=&boardId=934470&boardMasterId=522&boardCategoryId=&decorator=>

<sup>2949</sup> SEMARNAT, Gobierno de Michoacán, ejidatarios y comuneros diseñarán plan integral para rescatar la Reserva de la Biósfera Mariposa Monarca, Mexican Government (Mexico) 29 December 2018. Access Date: 21 March 2019.

<https://www.gob.mx/semarnat/prensa/semarnat-gobierno-de-michoacan-ejidatarios-y-comuneros-disenaran-plan-integral-para-rescatar-la-reserva-de-la-biosfera-mariposa-monarca?idiom=es>.

<sup>2950</sup> La SEMARNAT mantiene un monitoreo permanente de las actividades que se llevan a cabo en Dos Bocas, Mexican Government (Mexico) 16 December 2018. Access date: 21 March 2019. <https://www.gob.mx/semarnat/prensa/la-semarnat-mantiene-un-monitoreo-permanente-de-las-actividades-que-se-llevan-a-cabo-en-dos-bocas?idiom=es>.

<sup>2951</sup> Government of Canada signs environmental cooperation agreement with the United States and Mexico, Environment and Climate Change Canada (Ottawa) 18 December 2018. Access Date: 18 February 2019.

<https://www.canada.ca/en/environment-climate-change/news/2018/12/government-of-canada-signs-environmental-cooperation-agreement-with-the-united-states-and-mexico.html>.

the ambitious environment chapter of the recently signed Agreement between Canada, the United States of America, and the United Mexican States and strengthens environmental cooperation between the three trade partners.<sup>2952</sup> The environmental cooperation agreement addresses international environmental challenges and identifies ways to seize opportunities presented by the new Agreement between Canada, the United States of America, and the United Mexican States.<sup>2953</sup>

On 24 January 2019, the Agency of Security, Energy and Environment imposed compensatory measures and fines in forestry and environmental impact to the company responsible for the clearing of a property located in the municipality of Paraíso, Tabasco. The company is also obliged to establish a reforestation program for mangroves in 82.8 hectares. This measure allows to preserve environment and to fight the climate change.<sup>2954</sup>

On 31 January 2019, Ministry of Environment and Natural Resources announced that the Government of Mexico will launch the Comprehensive Program for Fisheries Sustainability in the Upper Gulf of California.<sup>2955</sup>

On 1 February 2019, the Secretary of the Environment and Natural Resources Josefa González Blanco announced the new policies to achieve a true sustainable management of waste, during the presentation of the National Vision towards Sustainable Management, he made an urgent call to the whole society to join this transformation, which begins with the sanitation of the Las Matas open-air dump.<sup>2956</sup>

On 5 February 2019, call for online course Climate Change Diplomacy: Negotiating Effectively Under the United Nations Framework Convention on Climate Change for members of the Mexican Foreign Service and other officials of the Ministry of Foreign Affairs was published by Instituto Matías Romero. Professional development of the officials in the sphere of climate change allows Mexico to ensure better compliance with the Paris Agreement.<sup>2957</sup>

On 11 February 2019, Secretariat of Agrarian, Territorial and Urban Development announced establishing collaboration mechanisms with Britain to benefit the integral development of Mexico. The representatives of both bodies agreed on the importance of exchanging experiences on issues

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<sup>2952</sup> Government of Canada signs environmental cooperation agreement with the United States and Mexico, Environment and Climate Change Canada (Ottawa) 18 December 2018. Access date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2018/12/government-of-canada-signs-environmental-cooperation-agreement-with-the-united-states-and-mexico.html>.

<sup>2953</sup> Government of Canada signs environmental cooperation agreement with the United States and Mexico, Environment and Climate Change Canada (Ottawa) 18 December 2018. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2018/12/government-of-canada-signs-environmental-cooperation-agreement-with-the-united-states-and-mexico.html>.

<sup>2954</sup> Impone ASEA sanciones a empresa responsable por desmonte en terreno ubicado en Dos Bocas, Tabasco, Mexican Government (Mexico) 24 January 2019. Access Date: 21 March 2019. <https://www.gob.mx/asea/prensa/impone-asea-sanciones-a-empresa-responsable-por-desmonte-en-terreno-ubicado-en-dos-bocas-tabasco>.

<sup>2955</sup> Segunda Reunión de Trabajo de la Comisión Intersecretarial para atender arribazón de sargazo en Quintana Roo, Mexican Government (Mexico) 31 January 2019. Access date: 21 March 2019. <https://www.gob.mx/semarnat/prensa/segunda-reunion-de-trabajo-de-la-comision-intersecretarial-para-atender-arribazon-de-sargazo-en-quintana-roo?idiom=es>.

<sup>2956</sup> Anunció Josefa González Blanco las nuevas políticas para lograr una verdadera gestión sustentable de los residuos, Mexican Government (Mexico) 1 February 2019. Access Date: 21 March 2019. <https://www.gob.mx/semarnat/prensa/anuncio-josefa-gonzalez-blanco-las-nuevas-politicas-para-lograr-una-verdadera-gestion-sustentable-de-los-residuos?idiom=es>.

<sup>2957</sup> Convocatoria curso en línea Climate Change Diplomacy: Negotiating Effectively Under the UNFCCC - Febrero 2019, Mexican Government (Mexico) 5 February 2019. Access Date: 21 March 2019. <https://www.gob.mx/imr/documentos/convocatoria-curso-en-linea-climate-change-diplomacy-negotiating-effectively-under-the-unfccc-febrero-2019>.

such as: climate change, mitigation of greenhouse gases and land use, poverty reduction, mobility, connectivity, infrastructure in cities. This collaboration contributes to fighting climate change and the implementation of the Paris Agreement.<sup>2958</sup>

On 18 February 2019, National Institute of Ecology and Climate Change proposed elements to develop a comprehensive strategy for the responsible management of pesticides in Mexico. This strategy allows to decrease negative impacts of pesticides on human health and environment.<sup>2959</sup>

On 26 February 2019, strategic evaluation of the subnational progress of the national climate change policy was published by the National Institute of Ecology and Climate Change. The evaluation reviews policies, programs and public actions on key issues of mitigation with respect to electric power generation, transportation and urban solid waste management in six states and 18 municipalities. This research contributes to further coping with climate change and proposing better measures.<sup>2960</sup>

Mexico has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

### **Russia: 0**

Russia has partially complied with its commitment on climate change.

On 12 December 2018, the Russian presidential envoy for climate issues, Ruslan Edelgeriyev announced that Russia will fulfill its obligations to reduce greenhouse gas emissions to no more than 75 per cent of the 1990 baseline emissions.<sup>2961</sup>

On 26 February 2019, Presidential Adviser, Special Representative of the President on Climate Issues Ruslan Edelgeriyev held the 25<sup>th</sup> meeting of the interdepartmental working group under the Presidential Administration on issues related to climate change and sustainable development.<sup>2962</sup> The meeting considered the issue of the preparation of the final report to the head of state on ratification of the Paris Agreement. During the meeting, there was also a discussion of the draft national adaptation plan for climate change submitted by the Ministry of Economic Development of Russia. It was noted that this plan is a key strategic document, laying the adaptation basis for the further development of the country in a changing climate.<sup>2963</sup>

Russia has taken actions aimed at climate change adaptation and holding the increase of global temperature in agreed numbers but failed to address issues of financing.

Thus, it receives a score of 0.

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<sup>2958</sup> Colaborarán SEDATU y Embajada Británica en elaboración de proyectos de desarrollo integral, Mexican Government (Mexico) 11 February 2019. Access Date: 21 March 2019. <https://www.gob.mx/sedatu/prensa/colaboraran-sedatu-y-embajada-britanica-en-elaboracion-de-proyectos-de-desarrollo-integral?idiom=es>.

<sup>2959</sup> Presenta INECC documento para avanzar en la gestión responsable de plaguicidas en México, Mexican Government (Mexico) 18 February 2019. Access Date: 21 March 2019 <https://www.gob.mx/inecc/prensa/presenta-inecc-documento-para-avanzar-en-la-gestion-responsable-de-plaguicidas-en-mexico>.

<sup>2960</sup> Resultados Evaluación Estratégica, Mexican Government (Mexico) 26 February 2019. Access date: 21 March 2019. <https://www.gob.mx/inecc/articulos/resultados-evaluacion-estrategica?idiom=es>

<sup>2961</sup> Russia, at the UN Climate Forum, confirmed compliance with emission reduction commitments, TASS (Moscow) 12 December 2018. Access Date: 8 May 2019. <https://tass.ru/obschestvo/5905409>.

<sup>2962</sup> Meeting of the Working Group on Climate Change, Site of the President of the Russian Federation (Moscow) 26 February 2019. Access Date: 8 May 2019. <http://kremlin.ru/events/administration/59905>.

<sup>2963</sup> Meeting of the Working Group on Climate Change, Site of the President of the Russian Federation (Moscow) 26 February 2019. Access Date: 8 May 2019. <http://kremlin.ru/events/administration/59905>.

*Analyst: Anna Pielabnits*

**Saudi Arabia: 0**

Saudi Arabia has partially complied with its commitment on climate change.

On 13 December 2018, Saudi Arabia announced the endorsement of the World Bank's "Zero Routine Flaring by 2030" initiative at the 24th Conference of the Parties to United Nations Framework Convention on Climate Change took place in Katowice, Poland. Saudi Arabia joins 28 other governments, along with oil companies and development institutions backing the initiative, who agree to cooperate to eliminate routine flaring of associated gas no later than 2030.<sup>2964</sup>

On 15 January 2019, Saudi Arabia announced its intention to deploy 40 GW of solar power capacity and 20 GW of wind and other renewable sources of energy by 2030 in line with Saudi Arabia's Vision 2030 and the National Transformation 2020 Programme.<sup>2965</sup>

Saudi Arabia has taken actions aimed at climate change adaptation and holding the increase of global temperature in agreed numbers but failed to address issues of financing.

Thus, it receives a score of 0.

*Analyst: Alexander Ignatov*

**South Africa: 0**

South Africa has partially complied with its commitment on climate change.

On 19 February 2019, South African Parliament approved long-delayed carbon tax bill in pursue to reduce harmful carbon emissions in Africa's most industrialized and polluted country. The new law allowed a tax rate of ZAR120 (USD8.48) per tonne of carbon dioxide equivalent and stated that total tax-free allowances during the first phase until around 2022 could be as high as 95 percent.<sup>2966</sup>

South Africa has taken actions aimed at climate change adaptation and holding the increase of global temperature in agreed numbers but failed to address issues of financing.

Thus, it receives a score of 0.

*Analyst: Arseniy Zakharov*

**Turkey: 0**

Turkey has partially complied with its commitment on climate change.

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<sup>2964</sup> Saudi Arabia Endorses World Bank's "Zero Routine Flaring by 2030" initiative, KSA Climate (Katowice) 13 December 2018. Access Date: 6 May 2019. <https://ksa-climate.com/saudi-arabia-endorses-world-banks-zero-routine-flaring-by-2030-initiative/>.

<sup>2965</sup> Saudi Arabia targets 60 GW of renewables by 2030 – report, Renewables now (Riyadh) 15 January 2019. Access Date: 6 May 2019. <https://renewablesnow.com/news/saudi-arabia-targets-60-gw-of-renewables-by-2030-report-639430/>.

<sup>2966</sup> South African parliament approves long-delayed carbon tax bill, Reuters (Cape Town) 19 February 2019. Access Date: 27 March 2019. <https://www.reuters.com/article/us-safrica-carbontax/south-african-parliament-approves-long-delayed-carbon-tax-bill-idUSKCN1Q81U8>.

On 13 February 2019, it was reported that Turkey invested in total USD650 million in 2018 in wind power plants, having increase wind power installed capacity by 497 megawatts (or 7.2 per cent) to 7369 megawatts.<sup>2967</sup>

On 5 March 2019, it was reported that Turkey's highest administrative court had blocked construction of 1,320-megawatt coal power plant in Bartın province, noting that its environmental assessment was inadequate.<sup>2968</sup>

Turkey has taken actions aimed at financing and holding the increase of global temperature in agreed numbers but failed to address issues of climate change adaptation.

Thus, it receives a score of 0.

*Analyst: Pavel Doronin*

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

United Kingdom has fully complied with its commitment on climate change.

On 21 February 2019, New Zealand and the UK reaffirmed joint commitment to work with Pacific Island countries to take action to mitigate greenhouse gas emissions, reduce vulnerability and increase resilience to the impacts of climate change.<sup>2969</sup>

On 5 February 2019, the government awarded more than GBP6 million to support ultra-low emission taxis right across the country, furthering its ambition for a zero-emission future. Over 300 charge points for ultra-low emission taxis to be created. Ultra-low emission taxis will improve air quality in towns and city centres.<sup>2970</sup>

On 7 March 2019, Energy and Clean Growth Minister Claire Perry announced the launch of the new joint government-industry Offshore Wind Sector Deal. This deal will mean for the first time in UK history there will be more electricity from renewables than fossil fuels, with 70 per cent of British electricity predicted to be from low carbon sources by 2030 and over GBP40 billion of infrastructure investment in the UK.<sup>2971</sup>

On 15 March 2019, it was announced that the UK government is investing USD2.2 million in the development of two solar plants in Kenya to give more people access to affordable, clean energy.<sup>2972</sup>

Thus, it is awarded a score of +1.

*Analyst: Irina Popova*

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<sup>2967</sup> Turkey invested \$650M in wind power plants last year, Daily Sabah (Istanbul) 13 February 2019. Access date: 15 April 2019. <https://www.dailysabah.com/energy/2019/02/13/turkey-invested-650m-in-wind-power-plants-last-year>

<sup>2968</sup> Turkish supreme court blocks coal plant, as wave of new projects stalls, Climate Home News (London) 5 March 2019. Access Date: 15 April 2019. <https://www.climatechangenews.com/2019/03/05/turkish-supreme-court-blocks-coal-plant-wave-new-projects-stalls/>.

<sup>2969</sup> New Zealand and United Kingdom joint statement on climate change and resilience in the Pacific, UK Government (London) 21 January 2019. Access date: 20 March 2019. <https://www.gov.uk/government/news/new-zealand-and-united-kingdom-joint-statement-on-climate-change-and-resilience-in-the-pacific>.

<sup>2970</sup> Thousands of green taxis to benefit from new chargepoints, UK Government (London) 5 February 2019. Access Date: 20 March 2019. <https://www.gov.uk/government/news/thousands-of-green-taxis-to-benefit-from-new-chargepoints>.

<sup>2971</sup> Offshore wind energy revolution to provide a third of all UK electricity by 2030, UK Government (London) 7 March 2019. Access date: 6 May 2019. <https://www.gov.uk/government/news/offshore-wind-energy-revolution-to-provide-a-third-of-all-uk-electricity-by-2030>.

<sup>2972</sup> UK aid to give clean energy boost to Kenya, UK Government (London) 15 March 2019. Access Date: 6 May 2019. <https://www.gov.uk/government/news/uk-aid-to-give-clean-energy-boost-to-kenya>.

**United States: N/A**

The United States is not included in the commitment to implement the Paris Agreement. However, the government has taken some environmental action.

On 18 December 2018, the new Agreement on Environmental Cooperation was signed by the governments of Canada, the United States of America, and Mexico. This environmental cooperation agreement complements the ambitious environment chapter of the recently signed Agreement between Canada, the United States of America, and the United Mexican States and strengthens environmental cooperation between the three trade partners. The environmental cooperation agreement addresses international environmental challenges and identifies ways to seize opportunities presented by the new Agreement between Canada, the United States of America, and the United Mexican States.<sup>2973</sup>

On 19 February 2019, Trident Seafoods Corporation agreed to reduce emissions of ozone-depleting substances from refrigeration equipment on its vessels, under a proposed settlement with the U.S. Environmental Protection Agency and U.S. Department of Justice to resolve alleged violations of the Clean Air Act. Under the settlement, Trident will spend up to USD23 million to reduce coolant leaks from refrigerators and other equipment, use alternative refrigerants, and improve company-wide compliance. The company will also pay a USD900,000 civil penalty.<sup>2974</sup>

On 19 April 2019, U.S. Environmental Protection Agency (EPA), the U.S. Department of Justice and the State of Colorado announced a settlement with Denver-based HighPoint Operating Corporation resolving alleged Clean Air Act violations. The settlement resolves alleged claims that HighPoint violated requirements to reduce volatile organic compounds emissions from its oil and natural gas production operations in the Denver-Julesburg Basin.<sup>2975</sup>

On 23 April 2019, Cargill's corn milling facility in Eddyville, Iowa, received an EPA Region 7 Pollution Prevention (P2) Award today during ceremonies at the Midwest Environmental Compliance Conference at the Kansas City Convention Center. Cargill Eddyville pursued and obtained ISO 50001 Energy Management System certification, which provides a framework to manage and improve energy performance.<sup>2976</sup> By implementing these standards, Cargill Eddyville's facility energy performance and greenhouse gas emission reductions improved significantly.<sup>2977</sup> For example, a drying system and distillation process reduced those emissions by nearly 15,000 metric tons. Due to the success of this project, additional Cargill facilities in North America and Brazil are

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<sup>2973</sup> Government of Canada signs environmental cooperation agreement with the United States and Mexico, Environment and Climate Change Canada (Ottawa) 18 December 2018. Access Date: 18 February 2019. <https://www.canada.ca/en/environment-climate-change/news/2018/12/government-of-canada-signs-environmental-cooperation-agreement-with-the-united-states-and-mexico.html>.

<sup>2974</sup> U. S. Settles with Trident Seafoods Corporation to Reduce Ozone-Depleting Emissions, Environmental Protection Agency (Washington) 19 February 2019. Access Date: 30 April 2019. <https://www.epa.gov/newsreleases/u-s-settles-trident-seafoods-corporation-reduce-ozone-depleting-emissions>.

<sup>2975</sup> EPA, DOJ, and State of Colorado reach agreement with HighPoint Operating Corporation to resolve alleged Clean Air Act violations and reduce air pollution, Environmental Protection Agency (Washington) 19 April 2019. Access Date: 30 April 2019. <https://www.epa.gov/newsreleases/epa-doj-and-state-colorado-reach-agreement-highpoint-operating-corporation-resolve>.

<sup>2976</sup> Cargill of Eddyville, Iowa, Receives EPA Region 7 Pollution Prevention Award, Environmental Protection Agency (Washington) 23 April 2019. Access Date: 30 April 2019. <https://www.epa.gov/newsreleases/cargill-eddyville-iowa-receives-epa-region-7-pollution-prevention-award>

<sup>2977</sup> Cargill of Eddyville, Iowa, Receives EPA Region 7 Pollution Prevention Award, Environmental Protection Agency (Washington) 23 April 2019. Access Date: 30 April 2019. <https://www.epa.gov/newsreleases/cargill-eddyville-iowa-receives-epa-region-7-pollution-prevention-award>.

pursuing ISO 50001 certifications in support of Cargill's corporate goal to reduce greenhouse gas emissions by 10 percent by 2025.<sup>2978</sup>

On 26 April 2019, U.S. Environmental Protection Agency announced the launch of Smart Sectors Pacific Southwest, a partnership initiative between the agency and regulated business sectors that is focused on achieving better environmental outcomes.<sup>2979</sup> "We are very pleased to work with partners in the oil and gas sector to ensure communities are protected and facilities are complying with EPA requirements," said Pacific Southwest Regional Administrator Mike Stoker.<sup>2980</sup>

The United States has taken some actions aimed at financing and holding the increase of global temperature but failed to address issues of climate change adaptation.

*Analyst: Dmitry Lukanin*

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

European Union has fully complied with the commitment on climate change.

On 11 December 2018, the EU announced that the EU and its Member States were stepping up voluntary contributions to the Adaptation Fund, helping developing countries build resilience and adapt to climate change.<sup>2981</sup> The EU pledged a voluntary contribution of EUR10 million to the Adaptation Fund for 2019, the European Commission announced at the 24th Conference of the Parties to United Nations Framework Convention on Climate Change (COP24) taking place on 2-14 December in Katowice, Poland. This contribution complemented the new pledges already made by European Union Member States.<sup>2982</sup> Taken together, they attested to the growing importance Europe puts on adaptation activities and on supporting the most vulnerable developing countries in their efforts.<sup>2983</sup>

On 10 January 2019, the Technical Expert Group published its report on climate-related disclosures. This report corresponded to task 4 of the group's mandate, which was to "Develop climate-related metrics in the context of its work on an EU taxonomy allowing improving disclosure on climate-related information and publish the outcome in a report."<sup>2984</sup> This would allow the European

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<sup>2978</sup> Cargill of Eddyville, Iowa, Receives EPA Region 7 Pollution Prevention Award, Environmental Protection Agency (Washington) 23 April 2019. Access Date: 30 April 2019. <https://www.epa.gov/newsreleases/cargill-eddyville-iowa-receives-epa-region-7-pollution-prevention-award>.

<sup>2979</sup> EPA Launches Smart Sectors Program in Pacific Southwest to Achieve Better Environmental Outcomes, Environmental Protection Agency (Washington) 26 April 2019. Access Date: 30 April 2019. <https://www.epa.gov/newsreleases/epa-launches-smart-sectors-program-pacific-southwest-achieve-better-environmental>.

<sup>2980</sup> EPA Launches Smart Sectors Program in Pacific Southwest to Achieve Better Environmental Outcomes, Environmental Protection Agency (Washington) 26 April 2019. Access Date: 30 April 2019. <https://www.epa.gov/newsreleases/epa-launches-smart-sectors-program-pacific-southwest-achieve-better-environmental>.

<sup>2981</sup> EU steps up support to the Adaptation Fund, European Commission (Brussels) 11 December 2018. Access date: 13 February 2018. [https://ec.europa.eu/clima/news/eu-steps-support-adaptation-fund\\_en](https://ec.europa.eu/clima/news/eu-steps-support-adaptation-fund_en).

<sup>2982</sup> EU steps up support to the Adaptation Fund, European Commission (Brussels) 11 December 2018. Access date: 13 February 2018. [https://ec.europa.eu/clima/news/eu-steps-support-adaptation-fund\\_en](https://ec.europa.eu/clima/news/eu-steps-support-adaptation-fund_en).

<sup>2983</sup> EU steps up support to the Adaptation Fund, European Commission (Brussels) 11 December 2018. Access date: 13 February 2018. [https://ec.europa.eu/clima/news/eu-steps-support-adaptation-fund\\_en](https://ec.europa.eu/clima/news/eu-steps-support-adaptation-fund_en).

<sup>2984</sup> Technical Expert Group on sustainable finance: report on climate-related disclosures, European Commission (Brussels) 10 January 2019. Access Date: 13 February 2019. [https://ec.europa.eu/info/publications/190110-sustainable-finance-teg-report-climate-related-disclosures\\_en](https://ec.europa.eu/info/publications/190110-sustainable-finance-teg-report-climate-related-disclosures_en).

Commission to take climate change into consideration when it updates the financial framework of the non-binding guidelines on non-financial disclosure.<sup>2985</sup>

On 12-13 December 2018, the European Commission hosted a series of side events on strategies and perspectives for long-term greenhouse gas emissions reduction at COP24 in Katowice, Poland.<sup>2986</sup> The Commission presented its strategic vision for a climate-neutral Europe by 2050 on 28 November, kicking off a broad debate on how Europe can contribute to the long-term temperature goals of the Paris Agreement and how the required transformation can be achieved.<sup>2987</sup> The events at COP24 presented the Commission's vision to an international audience and explored stakeholder perspectives for long-term decarbonization.<sup>2988</sup>

On 19 December 2018, the European Commission announced that EU's companies met the EU's phasedown limit for hydrofluorocarbons (HFCs) for the third year in a row, as a new report by the European Environment Agency showed.<sup>2989</sup> The EU phasedown of HFCs – highly warming fluorinated gases (F-gases) – was being implemented through a system of annual quotas allocated to producers and importers of these synthetic substances, used mainly as a coolant in refrigeration and air conditioning equipment.<sup>2990</sup> Phasing down F-gas emissions was an important part of the EU's efforts to reduce greenhouse gas emissions. Under its F-gas Regulation, the EU was aiming to cut F-gas emissions by two-thirds by 2030, compared to 2014 levels.<sup>2991</sup>

On 6 February 2019, the European Environment Agency published a paper highlighting the climate change adaptation (CCA) efforts undertaken in transnational regions of Europe.<sup>2992</sup> Cooperation to prevent climate extreme events made sense in the functional geographic areas of the Arctic and the Mediterranean regions and was encouraged under the EU strategy on adaptation to climate change.<sup>2993</sup> The findings provided an overview of the actions in the current transnational cooperation on supporting CCA. In particular, it focuses on exchange of regionally specific adaptation knowledge

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<sup>2985</sup> Technical Expert Group on sustainable finance: report on climate-related disclosures, European Commission (Brussels) 10 January 2019. Access Date: 13 February 2019. [https://ec.europa.eu/info/publications/190110-sustainable-finance-teg-report-climate-related-disclosures\\_en](https://ec.europa.eu/info/publications/190110-sustainable-finance-teg-report-climate-related-disclosures_en).

<sup>2986</sup> COP-24 side event: European strategic vision for long-term greenhouse gas emissions reduction, the European Commission (Brussels) 12 December 2018. Access Date: 12 February 2019. [https://ec.europa.eu/clima/news/cop24-side-event-european-strategic-vision-long-term-greenhouse-gas-emissions-reduction\\_en](https://ec.europa.eu/clima/news/cop24-side-event-european-strategic-vision-long-term-greenhouse-gas-emissions-reduction_en).

<sup>2987</sup> COP-24 side event: European strategic vision for long-term greenhouse gas emissions reduction, the European Commission (Brussels) 12 December 2018. Access Date: 12 February 2019. [https://ec.europa.eu/clima/news/cop24-side-event-european-strategic-vision-long-term-greenhouse-gas-emissions-reduction\\_en](https://ec.europa.eu/clima/news/cop24-side-event-european-strategic-vision-long-term-greenhouse-gas-emissions-reduction_en).

<sup>2988</sup> COP-24 side event: European strategic vision for long-term greenhouse gas emissions reduction, the European Commission (Brussels) 12 December 2018. Access Date: 12 February 2019. [https://ec.europa.eu/clima/news/cop24-side-event-european-strategic-vision-long-term-greenhouse-gas-emissions-reduction\\_en](https://ec.europa.eu/clima/news/cop24-side-event-european-strategic-vision-long-term-greenhouse-gas-emissions-reduction_en).

<sup>2989</sup> EU phasedown of HFCs fully on track, European Commission (Brussels) 19 December 2018. Access Date: 12 February 2019. [https://ec.europa.eu/clima/news/eu-phasedown-hfcs-fully-track\\_en](https://ec.europa.eu/clima/news/eu-phasedown-hfcs-fully-track_en).

<sup>2990</sup> EU phasedown of HFCs fully on track, European Commission (Brussels) 19 December 2018. Access Date: 12 February 2019. [https://ec.europa.eu/clima/news/eu-phasedown-hfcs-fully-track\\_en](https://ec.europa.eu/clima/news/eu-phasedown-hfcs-fully-track_en).

<sup>2991</sup> EU phasedown of HFCs fully on track, European Commission (Brussels) 19 December 2018. Access Date: 12 February 2019. [https://ec.europa.eu/clima/news/eu-phasedown-hfcs-fully-track\\_en](https://ec.europa.eu/clima/news/eu-phasedown-hfcs-fully-track_en).

<sup>2992</sup> Addressing climate change adaptation in transnational regions in Europe, European Commission (Brussels) 6 February 2019. Access Date: 12 February 2019. [https://ec.europa.eu/regional\\_policy/en/newsroom/news/2019/02/02-06-2019-addressing-climate-change-adaptation-in-transnational-regions-in-europe](https://ec.europa.eu/regional_policy/en/newsroom/news/2019/02/02-06-2019-addressing-climate-change-adaptation-in-transnational-regions-in-europe).

<sup>2993</sup> Addressing climate change adaptation in transnational regions in Europe, European Commission (Brussels) 6 February 2019. Access Date: 12 February 2019. [https://ec.europa.eu/regional\\_policy/en/newsroom/news/2019/02/02-06-2019-addressing-climate-change-adaptation-in-transnational-regions-in-europe](https://ec.europa.eu/regional_policy/en/newsroom/news/2019/02/02-06-2019-addressing-climate-change-adaptation-in-transnational-regions-in-europe).

(web-based adaptation platforms, knowledge centers and networks), as well as strategies and international conventions endorsed by the Interreg programmes and macro-regional strategies.<sup>2994</sup>

On 19 February 2019, the European Parliament and the Council of the EU reached provisional agreement on a Regulation setting, for the first time in the EU, strict CO<sub>2</sub> emission standards for trucks.<sup>2995</sup> The decision followed the agreement reached in December 2018 on new CO<sub>2</sub> emission standards for cars and light vans in the EU for the period after 2020. Under the agreement, emissions from new trucks would have to be 30 per cent lower in 2030 compared to the 2019 emissions.<sup>2996</sup> The new legislation would help Member States' emission targets, incentivize innovation, promote clean mobility solutions, strengthen the competitiveness of EU industry and stimulate employment, while reducing fuel consumption costs for transport operators and contributing to better air quality.<sup>2997</sup> Tackling emissions from road transport is a key building block of the EU's efforts to achieve its target to reduce greenhouse gas emissions by at least 40 per cent by 2030 compared to 1990 levels. The CO<sub>2</sub> emission standards for trucks completed the EU's economy-wide legislative framework for achieving this target.<sup>2998</sup>

On 28 February 2019, the European Commission published a report on enhancing resilience of urban ecosystems through green infrastructure (EnRoute). Urban Green Infrastructure (UGI) referred to the strategically managed network of urban green spaces and natural and semi-natural ecosystems situated within the boundary of an urban ecosystem. These high-quality, biodiversity-rich areas could help make cities more sustainable and contribute to solve many challenges, such as air pollution, noise, climate change impacts, heat waves, floods and public health concerns. This report summarized the main outcomes of the EnRoute project. This science-policy project, managed by the European Commission and funded by the European Parliament, involved 18 'city labs' across Europe. The project provided knowledge on how UGI could support urban policy-objectives at different stages of the planning process and at a variety of spatial scales.<sup>2999</sup>

On 13 March 2019, the European Commission welcomed the provisional agreement reached by the European Parliament and Council on the LIFE programme for the Environment and Climate Action, as part of the next long-term EU budget 2021-2027. The funding would focus on protecting the environment and mitigating climate change, supporting a clean energy transition with increased

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<sup>2994</sup> Addressing climate change adaptation in transnational regions in Europe, European Commission (Brussels) 6 February 2019. Access Date: 12 February 2019. [https://ec.europa.eu/regional\\_policy/en/newsroom/news/2019/02/02-06-2019-addressing-climate-change-adaptation-in-transnational-regions-in-europe](https://ec.europa.eu/regional_policy/en/newsroom/news/2019/02/02-06-2019-addressing-climate-change-adaptation-in-transnational-regions-in-europe).

<sup>2995</sup> Clean mobility: Putting an end to polluting trucks. Commission welcomes first-ever EU standards to reduce pollution from trucks, European Commission (Brussels) 19 February 2019. Access Date: 22 March 2019. [https://ec.europa.eu/clima/news/clean-mobility-putting-end-polluting-trucks-commission-welcomes-first-ever-eu-standards-reduce\\_en](https://ec.europa.eu/clima/news/clean-mobility-putting-end-polluting-trucks-commission-welcomes-first-ever-eu-standards-reduce_en).

<sup>2996</sup> Clean mobility: Putting an end to polluting trucks. Commission welcomes first-ever EU standards to reduce pollution from trucks, European Commission (Brussels) 19 February 2019. Access Date: 22 March 2019. [https://ec.europa.eu/clima/news/clean-mobility-putting-end-polluting-trucks-commission-welcomes-first-ever-eu-standards-reduce\\_en](https://ec.europa.eu/clima/news/clean-mobility-putting-end-polluting-trucks-commission-welcomes-first-ever-eu-standards-reduce_en).

<sup>2997</sup> Clean mobility: Putting an end to polluting trucks. Commission welcomes first-ever EU standards to reduce pollution from trucks, European Commission (Brussels) 19 February 2019. Access Date: 22 March 2019. [https://ec.europa.eu/clima/news/clean-mobility-putting-end-polluting-trucks-commission-welcomes-first-ever-eu-standards-reduce\\_en](https://ec.europa.eu/clima/news/clean-mobility-putting-end-polluting-trucks-commission-welcomes-first-ever-eu-standards-reduce_en).

<sup>2998</sup> Clean mobility: Putting an end to polluting trucks. Commission welcomes first-ever EU standards to reduce pollution from trucks, European Commission (Brussels) 19 February 2019. Access Date: 22 March 2019. [https://ec.europa.eu/clima/news/clean-mobility-putting-end-polluting-trucks-commission-welcomes-first-ever-eu-standards-reduce\\_en](https://ec.europa.eu/clima/news/clean-mobility-putting-end-polluting-trucks-commission-welcomes-first-ever-eu-standards-reduce_en).

<sup>2999</sup> Enhancing resilience of urban ecosystems through green infrastructure (EnRoute), European Commission (Brussels) 28 February 2019. Access Date: 23 March 2019. <https://ec.europa.eu/jrc/en/publication/enhancing-resilience-urban-ecosystems-through-green-infrastructure-enroute>.

energy efficiency and a higher share of renewables in the energy mix. This would be one of the tools enabling the EU to meet its climate goals and seek to become climate-neutral by 2050.<sup>3000</sup>

On 21 March 2019, the European Commission organised its second high-level conference on sustainable finance with the objective of encouraging a global approach to sustainable finance. It provided the opportunity to embrace a common vision and a strong commitment towards a coherent international financial system that supports channeling private capital towards sustainable projects. The EU acknowledged that the financial sector had a critical role to play to close the investment gap in delivering on the Paris Agreement and the Sustainable Development Goals. Mobilising private investors to finance sustainable projects on a global scale was therefore said to be indispensable for reaching tangible results in the fight against climate change, environmental degradation and social inequalities.<sup>3001</sup>

On 22 March 2019, the European Commission organized an international Carbon Market Workshop in Florence, Italy. The Carbon Market Workshop brought together policymakers from carbon markets worldwide – California, Canada, China, EU and New Zealand – as well as academics, market practitioners and NGO representatives.<sup>3002</sup> Representatives from Chile and Japan also attended. Interactive panel discussions were dedicated to topics such as market stability mechanisms and auction revenue use. Furthermore, the participants provided an update on relevant recent developments in their respective carbon markets.<sup>3003</sup> The main objectives of the Florence Process were to collect and disseminate empirical knowledge and information on the functioning of emissions trading systems (ETS) as a way to reduce carbon emissions worldwide, establish a network bringing together ETS experts, and create a forum enabling interaction amongst policy makers and ETS experts.<sup>3004</sup>

On 27 March 2019, the European Parliament agreed on CO2 emission standards for new cars and vans in the EU for the period after 2020 – a significant step towards decarbonising and modernising the European mobility sector and putting the EU on track to become climate neutral.<sup>3005</sup> As a result of the new rules, in 2030, emissions from new cars would have to be 37.5 per cent lower and emissions from new vans 31 per cent lower, compared to 2021.<sup>3006</sup> The new CO2 standards were part of the clean mobility package and a stepping stone towards a modernised, and more competitive

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<sup>3000</sup> EU budget for 2021-2027: Commission welcomes the provisional agreement on funding for the environment and climate action (Brussels) 13 March 2019. Access Date: 23 March 2019. [https://ec.europa.eu/clima/news/eu-budget-2021-2027-commission-welcomes-provisional-agreement-funding-environment-and-climate\\_en](https://ec.europa.eu/clima/news/eu-budget-2021-2027-commission-welcomes-provisional-agreement-funding-environment-and-climate_en).

<sup>3001</sup> High-level conference: A global approach to sustainable finance, European Commission (Brussels) 21 March 2019. Access Date: 23 March 2019. [https://ec.europa.eu/info/events/finance-190321-sustainable-finance\\_en](https://ec.europa.eu/info/events/finance-190321-sustainable-finance_en).

<sup>3002</sup> Commission organises international Carbon Market Workshop in Florence, Italy, European Commission (Brussels) 22 March 2019. Access Date: 26 March 2019. [https://ec.europa.eu/clima/news/commission-organises-international-carbon-market-workshop-florence-italy\\_en](https://ec.europa.eu/clima/news/commission-organises-international-carbon-market-workshop-florence-italy_en).

<sup>3003</sup> Commission organises international Carbon Market Workshop in Florence, Italy, European Commission (Brussels) 22 March 2019. Access Date: 26 March 2019. [https://ec.europa.eu/clima/news/commission-organises-international-carbon-market-workshop-florence-italy\\_en](https://ec.europa.eu/clima/news/commission-organises-international-carbon-market-workshop-florence-italy_en).

<sup>3004</sup> Commission organises international Carbon Market Workshop in Florence, Italy, European Commission (Brussels) 22 March 2019. Access Date: 26 March 2019. [https://ec.europa.eu/clima/news/commission-organises-international-carbon-market-workshop-florence-italy\\_en](https://ec.europa.eu/clima/news/commission-organises-international-carbon-market-workshop-florence-italy_en).

<sup>3005</sup> Clean mobility: Commission welcomes European Parliament adoption of new CO2 emission standards for cars and vans to reduce pollution and improve air quality, European Commission (Brussels) 27 March 2019. Access date: 29 March 2019. [https://ec.europa.eu/clima/news/clean-mobility-commission-welcomes-european-parliament-adoption-new-co2-emission-standards-cars\\_en](https://ec.europa.eu/clima/news/clean-mobility-commission-welcomes-european-parliament-adoption-new-co2-emission-standards-cars_en).

<sup>3006</sup> Clean mobility: Commission welcomes European Parliament adoption of new CO2 emission standards for cars and vans to reduce pollution and improve air quality, European Commission (Brussels) 27 March 2019. Access date: 29 March 2019. [https://ec.europa.eu/clima/news/clean-mobility-commission-welcomes-european-parliament-adoption-new-co2-emission-standards-cars\\_en](https://ec.europa.eu/clima/news/clean-mobility-commission-welcomes-european-parliament-adoption-new-co2-emission-standards-cars_en).

European transport sector, and the road towards a climate-neutral economy in line with the EU's commitments under the Paris Agreement.<sup>3007</sup>

On 15 April 2019, the European Council of Ministers agreed on CO<sub>2</sub> emission standards for new cars and vans in the EU for the period after 2020.<sup>3008</sup> In 2030, emissions from new cars would have to be 37.5 per cent lower and emissions from new vans 31 per cent lower, compared to 2021. This agreement confirmed the European Parliament vote of 27 March and finalised the formal adoption of new rules which would contribute to decarbonising and modernising Europe's mobility sector.<sup>3009</sup> The new CO<sub>2</sub> standards were a stepping stone towards a climate-neutral economy in line with the EU's commitments under the Paris Agreement and as part of the implementation of the Energy Union.<sup>3010</sup>

On 25 April 2019, the European Committee of the Regions held an event on urban adaptation to climate change during the Green Week in Europe.<sup>3011</sup> The EU addressed the fact, that European urban context faced new issues related to Climate change such as record-breaking heatwaves, pollution peaks, erosion of natural resources, etc.<sup>3012</sup> The Urban Adaptation to Climate Change Conference highlighted initiative to address a number of issues: the concrete schemes to make cities and urban areas more resilient, ensuring tomorrow's climate stabilisation in the field, the ways, in which Europe supports cities to face these major issues in the best conditions, etc.<sup>3013</sup>

European Union has taken actions to implement the Paris Agreement and addressed all three issue areas outlined in it.

Thus, it is awarded a score of +1.

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<sup>3007</sup> Clean mobility: Commission welcomes European Parliament adoption of new CO<sub>2</sub> emission standards for cars and vans to reduce pollution and improve air quality, European Commission (Brussels) 27 March 2019. Access Date: 29 March 2019. [https://ec.europa.eu/clima/news/clean-mobility-commission-welcomes-european-parliament-adoption-new-co2-emission-standards-cars\\_en](https://ec.europa.eu/clima/news/clean-mobility-commission-welcomes-european-parliament-adoption-new-co2-emission-standards-cars_en).

<sup>3008</sup> Clean Mobility: New CO<sub>2</sub> Emission Standards for Cars and Vans Adopted, European Commission (Brussels) 15 April 2019. Access Date: 29 April 2019. [https://ec.europa.eu/clima/news/clean-mobility-new-co2-emission-standards-cars-and-vans-adopted\\_en](https://ec.europa.eu/clima/news/clean-mobility-new-co2-emission-standards-cars-and-vans-adopted_en).

<sup>3009</sup> Clean Mobility: New CO<sub>2</sub> Emission Standards for Cars and Vans Adopted, European Commission (Brussels) 15 April 2019. Access Date: 29 April 2019. [https://ec.europa.eu/clima/news/clean-mobility-new-co2-emission-standards-cars-and-vans-adopted\\_en](https://ec.europa.eu/clima/news/clean-mobility-new-co2-emission-standards-cars-and-vans-adopted_en).

<sup>3010</sup> Clean Mobility: New CO<sub>2</sub> Emission Standards for Cars and Vans Adopted, European Commission (Brussels) 15 April 2019. Access Date: 29 April 2019. [https://ec.europa.eu/clima/news/clean-mobility-new-co2-emission-standards-cars-and-vans-adopted\\_en](https://ec.europa.eu/clima/news/clean-mobility-new-co2-emission-standards-cars-and-vans-adopted_en).

<sup>3011</sup> Urban Adaptation to Climate Change, European Commission (Brussels) 1 April 2019. Access Date: 29 April 2019. <https://ec.europa.eu/futurium/en/climate-adaptation/urban-adaptation-climate-change>.

<sup>3012</sup> Urban Adaptation to Climate Change, European Commission (Brussels) 1 April 2019. Access Date: 29 April 2019. <https://ec.europa.eu/futurium/en/climate-adaptation/urban-adaptation-climate-change>.

<sup>3013</sup> Urban Adaptation to Climate Change, European Commission (Brussels) 1 April 2019. Access Date: 29 April 2019. <https://ec.europa.eu/futurium/en/climate-adaptation/urban-adaptation-climate-change>.