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2021 G20 Rome Summit Interim Compliance Report

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

We encourage readers to send comments to

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12. Food and Agriculture: Malnutrition

“We will foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.”

G20 Rome Leaders’ Declaration

Assessment

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

Background

In 2015, the United Nations adopted its “Sustainable Development Goals,” of which, the eradication of hunger is Goal 2.²⁰⁹⁸ This Sustainable Development Goal (SDG), “Zero Hunger,” aims to ensure access to safe, nutritious and sufficient food for all people all year round, as well as to eradicate all forms of malnutrition.²⁰⁹⁹ The Food and Agriculture Organization of the United Nations (FAO) has identified synergies between efforts to reduce poverty and malnutrition.²¹⁰⁰ It has highlighted the transformation of food systems as an important instrument to resolve both crises. However, with its current trajectory, it is unlikely that the world will meet Zero Hunger by 2030.²¹⁰¹

²⁰⁹⁸ The Sustainable Development Goals, United Nations (New York) n.d. Access Date: 16 December 2021. <https://www.un.org/sustainabledevelopment/development-agenda-retired/>

²⁰⁹⁹ The State of Food Security and Nutrition in the World 2021: The World is at A Critical Juncture, Food and Agriculture Organization of the United Nations (FAO) (Rome) 2021. Access Date: 12 December 2021. <https://www.fao.org/state-of-food-security-nutrition>

²¹⁰⁰ Policy in Focus: Leveraging Food Systems for Poverty and Malnutrition Reduction, FAO (Rome) December 2020. Access Date: 12 December 2021. <https://www.fao.org/3/cb2498en/CB2498EN.pdf>

²¹⁰¹ Goal 2: Zero Hunger, Sustainability Goals, United Nations (New York) n.d. Access Date: 12 December 2021. <https://www.un.org/sustainabledevelopment/hunger/>

Conflict, climate change, along with slowdowns and downturns in the economy further challenge the achievement of food sustainability, especially in areas with high levels of inequality.²¹⁰² The outbreak and prevalence of the COVID-19 pandemic made these endeavours even harder. This critical status quo thus highlights the greater need of providing sufficient nutrition for all individuals and achieving food security for the entire population. The FAO reported that approximately 770 million people were undernourished in 2020, which was about 160 million more than in 2014.²¹⁰³ Among all countries it surveyed, 90 per cent reported that the COVID-19 pandemic changed their coverage of essential nutrition services. Evidently, the COVID-19 pandemic has drastically increased malnutrition rates around the world, thereby making it an important issue to address at the 2021 G20 Rome Summit.

The G20 first identified food sustainability as a key element to resolving malnutrition and poverty during its 2008 Washington Summit after noticing a spike in global food prices induced by the financial crisis.²¹⁰⁴ Food security and access to food were first discussed in detail at the G20's 2009 Pittsburgh Summit after the establishment of the L'Aquila Food Security Initiative (AFSI) by the G8 at its 2009 L'Aquila Summit to improve long-term food security.²¹⁰⁵ During this summit, G20 members committed to increase and improve food access to poorer countries.²¹⁰⁶ Additionally, they called upon the World Bank to develop new trust funds to support the AFSI and to increase agricultural assistance to low-income countries. G20 members then called for the full implementation of the AFSI and the application of all its principles during the 2010 Toronto Summit.²¹⁰⁷

At the 2010 Seoul Summit, G20 leaders committed to increase food availability and agricultural productivity. The Multi-Year Action Plan on Development was also released during this summit. A section of the Multi-Year Action Plan is devoted to laying out methods to increase investment and financial support for sustainable agricultural development.²¹⁰⁸

At the 2011 Cannes Summit, the Action Plan on Food Price Volatility and Agriculture was presented after being initially introduced in June that year. The plan laid out objectives regarding agricultural production, productivity, and food price volatility, thus promoting food security, sustainable economic growth through agricultural production, and international cooperation regarding food and agriculture issues.²¹⁰⁹

G20 leaders explicitly addressed the issue of chronic malnutrition in relation to hunger and food security during the 2012 Los Cabos Summit. G20 leaders stated their commitment to proceed with efforts laid out in various plans, platforms, and initiatives regarding food and agriculture. These include but are not restricted to the Tropical Agriculture Platform, the research initiatives for wheat, rice and corn, the Rapid Response Forum, the Global Agriculture and Food Security Program. Specific support and calls for involvement for the Scaling Up

²¹⁰² The State of Food Security and Nutrition in the World 2021: The World is at A Critical Juncture, Food and Agriculture Organization of the United Nations (FAO) (Rome) 2021. Access Date: 12 December 2021. <https://www.fao.org/state-of-food-security-nutrition>

²¹⁰³ World Food and Agriculture: Statistical Yearbook 2021, FAO (Rome) n.d. Access Date: 4 December 2021. <https://www.fao.org/3/cb4477en/cb4477en.pdf>

²¹⁰⁴ The G20 Washington Summit Commitments, G20 Information Centre (Toronto) 15 November 2008. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-08-washington.html>

²¹⁰⁵ The G20 Pittsburgh Summit Commitments, G20 Information Centre (Toronto) 25 September 2009. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-09-pittsburgh.html>; L'Aquila Joint Statement on Global Food Security: L'Aquila Food Security Initiative (AFSI), G20 Information Centre (Toronto) 9 July 2009. Access Date: 12 December 2021. <http://www.g8.utoronto.ca/summit/2009laquila/2009-food.html>

²¹⁰⁶ G20 Leaders Statement: The Pittsburgh Summit, G20 Information Centre (Toronto) 24-25 September 2009. Access Date: 2 December 2021. <http://www.g20.utoronto.ca/2009/2009communiqué0925.html>

²¹⁰⁷ The G20 Toronto Summit Commitments, G20 Information Centre (Toronto) 27 June 2010. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-10-toronto.html>

²¹⁰⁸ Annex II: Multi-Year Action Plan on Development, G20 Information Centre (Toronto) 12 November 2010. Access Date: 2 December 2021. <http://www.g20.utoronto.ca/2010/g20seoul-development.html#food>

²¹⁰⁹ The G20 Cannes Summit Commitments, G20 Information Centre (Toronto) 3-4 November 2011. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-11-cannes.html>

Nutrition movement was given.²¹¹⁰ The Scaling Up Nutrition movement works to eliminate malnutrition in all its forms by encouraging global action and investment to improve maternal and child nutrition.²¹¹¹

At the 2013 St. Petersburg Summit, G20 leaders continued to acknowledge the importance of food security and nutrition in their discussions. The seminar “Food Security through Social Safety Nets and Risk Management” and the second G20 Meeting of Agricultural Chief Scientists also took place at this summit with the intention of exchanging practices and addressing issues surrounding food security, malnutrition, and the agricultural sector.²¹¹²

At the 2014 Brisbane Summit, the G20 Food Security and Nutrition Framework was introduced. The FSN was created to aid in “lifting investment in food systems, raising productivity to expand food supply, and increasing incomes and quality jobs.”²¹¹³

During the 2015 Antalya Summit, G20 leaders prioritized and encouraged work around food security, poverty, rural development, and agriculture issues. It was at this summit where the G20 Action Plan on Food Security and Sustainable Food Systems was endorsed. This plan was released to promote and increase the commitments of G20 leaders regarding global food security, nutrition, and the sustainable production, consumption, and selling of food.²¹¹⁴

At the 2016 Hangzhou Summit, G20 Leaders affirmed their commitment to prioritize food security, nutrition, sustainable agricultural growth, and rural development to implement the 2030 Agenda for Sustainable Development. G20 Leaders at this summit also supported increasing efforts by the agricultural scientific and private sectors and welcomed the opening of the First G20 Agricultural Entrepreneurs Forum.²¹¹⁵

At the 2017 Hamburg Summit, G20 leaders continued to stress the importance of achieving food security. As a result, G20 leaders committed to increase their support for sustainable growth of agricultural productivity to ensure food security and nutrition and to further rural development sustainably. G20 leaders also promoted the implementation of the Principles for Responsible Investment in Agriculture and Food Systems (CFS-RAI) and the Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security (VGGT) to encourage responsible investment in agriculture and the rural economies.²¹¹⁶

At the 2018 Buenos Aires Summit, the G20 reaffirmed their commitment to confront challenges surrounding food security, but with a focus on eradicating hunger and malnutrition in all forms. G20 leaders committed to devote their focus on tackling malnutrition in the form of childhood obesity “through national, community-based and collaborative multi-stakeholder approaches.” They also promoted and encouraged the sharing of agricultural practices, initiatives to reduce food loss and waste, dynamism in rural areas, and sustainable

²¹¹⁰ The G20 Los Cabos Summit Commitments, G20 Information Centre (Toronto) 18-19 June 2012. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-12-loscabos.html>

²¹¹¹ The vision and principles of SUN, Scaling Up Nutrition (Geneva) n.d. Access Date: 3 December 2021. <https://scalingupnutrition.org/about-sun/the-vision-and-principles-of-sun/>

²¹¹² G20 Leaders' Declaration St Petersburg, G20 Information Centre (Toronto) 6 September 2013. Access Date: 2 December 2021. <http://www.g20.utoronto.ca/2013/2013-0906-declaration.html>

²¹¹³ G20 Leaders' Communiqué: Brisbane Summit, G20 Information Centre (Toronto) 16 November 2014. Access Date: 2 December 2021. <http://www.g20.utoronto.ca/2014/2014-1116-communique.html>

²¹¹⁴ The 2015 G20 Antalya Summit Commitments, G20 Information Centre (Toronto) 19 November 2015. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-15-antalya.html>

²¹¹⁵ The 2016 G20 Hangzhou Summit Commitments, G20 Information Centre (Toronto) 5 October 2016. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-16-hangzhou.html>

²¹¹⁶ The 2017 G20 Hamburg Summit Commitments, G20 Information Centre (Toronto) 4 October 2017. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-17-hamburg.html>

agriculture.²¹¹⁷ Food loss reduction and malnutrition eradication initiatives were also promoted at the 2019 Osaka Summit during the Agriculture ministers' meeting.²¹¹⁸

At the 2020 Riyadh Summit, the G20 became even more strongly committed to tackling food security and nutrition issues as the COVID-19 pandemic exacerbated such matters.²¹¹⁹ Agriculture and Water Ministers at the summit called for increases in responsible investment in agriculture and food systems. Such increases would help those suffering from food insecurity and malnutrition, notably after the COVID-19 pandemic aggravated food insecurity as a result of disruptions throughout global food supply chains.²¹²⁰

Commitment Features

The G20 commitment is to 1) foster sustainable and resilient food systems and agriculture innovation, as well as 2) increase access to finance through responsible investment in agriculture and food systems.²¹²¹ By taking these measures, G20 members hope to end hunger and malnutrition, eradicate poverty and ensure sustainability.

“To foster” means to encourage the development of something.²¹²²

According to FAO, “food systems” consist of subsystems (including but not limited to farming, waste management, input supply, etc.) that interact with other systems (including but not limited to energy, trade, health, etc.) crucial for realizing the societies' functions.²¹²³

“Sustainable and resilient food systems” refer to food systems that ensure a sufficient supply of acceptable and accessible food for all, namely deliver food nutrition and security, 1) in ways that the economic, social and environmental bases to generate food security and nutrition for future generations are not compromised and 2) can withstand and recover from disruptions.²¹²⁴ Thus, relevant actions may help increase the productivity, sustainability and resiliency of food systems by strengthening global, regional and local food value chains alongside international food trade.²¹²⁵

“Hunger,” or chronic undernourishment, is an uncomfortable or painful physical sensation due to insufficient consumption of dietary energy.²¹²⁶ FAO uses the Prevalence of Undernourishment (PoU) as a traditional indicator to monitor hunger based on data on food availability, food consumption and energy needs. The Food Insecurity Experience Scale (FIES) estimates the percentage of a country's population facing difficulties in accessing enough safe and nutritious food. This indicator thus shows the prevalence of moderate or severe food insecurity in the population.

²¹¹⁷ The 2019 G20 Buenos Aires Summit Commitments, G20 Information Centre (Toronto) 14 December 2018. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-18-buenosaires.html>

²¹¹⁸ G20 Agriculture Ministers' Declaration 2019, G20 Information Centre (Toronto) 12 May 2019. Access Date: 3 December 2021. <http://www.g20.utoronto.ca/2019/2019-agriculture.html>

²¹¹⁹ The 2020 G20 Riyadh Summit Commitments, G20 Information Centre (Toronto) 22 November 2020. Access Date: 29 November 2021. <http://www.g20.utoronto.ca/analysis/commitments-20-riyadh.html>

²¹²⁰ G20 Agriculture and Water Ministers' Communiqué 2020, G20 Information Centre (Toronto) 22 November 2020. Access Date: 4 December 2021. <http://www.g20.utoronto.ca/2020/2020-g20-agriculture-0922.html>

²¹²¹ G20 Rome Leaders' Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 11 December 2021. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

²¹²² Compliance Coding Manual for International Institutional Commitments, G7 and G20 Research Groups (Toronto) 12 November 2020. Access Date: 12 December 2021.

²¹²³ Sustainable Food Systems: Concept and Framework, FAO (Rome) 2018. Access Date: 12 December 2021. <https://www.fao.org/3/ca2079en/CA2079EN.pdf>

²¹²⁴ Food System Resilience, Johns Hopkins Center for a Livable Future (Baltimore) 2019. Access Date: 12 December 2021. <https://clf.jhsph.edu/projects/food-system-resilience>; Sustainable Food Systems: Concept and Framework, FAO (Rome) 2018. Access Date: 12 December 2021. <https://www.fao.org/3/ca2079en/CA2079EN.pdf>

²¹²⁵ G20 Rome Leaders' Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 12 December 2021. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

²¹²⁶ Hunger and Food Insecurity, FAO (Rome) n.d. Access Date: 12 December 2021. <https://www.fao.org/hunger/en>

“Malnutrition,” in all its forms, includes undernutrition (wasting, stunting, underweight), inadequate vitamins or minerals, overweight, obesity, and resulting diet-related noncommunicable diseases.²¹²⁷ These symptoms are not limited to the poor and disproportionately threatens women during pregnancy and childbirth.²¹²⁸

“Poverty” is understood as the lack of, or the inability to achieve, a socially acceptable standard of living.²¹²⁹ The World Bank defines “extreme poverty” as living on less than USD1.9 per person per day.²¹³⁰ Moreover, “sustainability” in agriculture demands meeting the needs of present and future generations while ensuring social and economic equity.²¹³¹

“Agriculture innovation” is the process whereby individuals or organizations bring new or existing products, processes or ways of organization into use for the first time in a specific context, to increase effectiveness, competitiveness and resilience with the goal of solving a problem in agriculture.²¹³² Innovations in agriculture exist across all dimensions of the production cycle along the entire value train: from crop, forestry, fishery or livestock production to the management of inputs to market access. These progresses from productions to policies can drive socio-economic growth, ensure food and nutrition security, alleviate poverty and improve resilience to climate change and other disruptions, thereby helping to achieve the SDGs.

“To increase” means to add to the size, amount and/or intensity of something.²¹³³

“Access to finance” refers to actors’ ability to obtain funds through various financial products and services.²¹³⁴ In the agricultural sector, they often take the forms of direct finance, value-chain finance, infrastructure finance and financing for Research and Development (R&D) in agri-food systems and agri-businesses.²¹³⁵ For example, these forms of finance can include credit, savings, payments, insurance and other risk-management products.²¹³⁶

Increased financial access enables access to inputs, working capital, purchases and aggregation of products, extension of processing lines and acquisition of new equipment.²¹³⁷ Increased financial access in agriculture can manifest through improved availability of loans, larger amount of loans, longer duration allowed for interest repayments, less rate of interest applied towards repayment and other forms of better terms on financial services offered to actors in the agriculture sector based on recognitions of specific challenges they face, such as the seasonal nature of agricultural activities.

“Responsible investment” in agriculture and food systems refers to the creation of productive assets and capital formation, which may comprise physical, human or intangible capital, oriented to support the realization of

²¹²⁷ Malnutrition, World Health Organization (Geneva) 9 June 2021. Access Date: 12 December 2021. <https://www.who.int/news-room/fact-sheets/detail/malnutrition>

²¹²⁸ The spectrum of malnutrition, FAO (Rome) n.d. Access Date: 12 December 2021. <https://www.fao.org/worldfoodsummit/english/fsheets/malnutrition.pdf>

²¹²⁹ Impacts of Policies on Poverty: The Definition of Poverty, FAO (Rome) n.d. Access Date: 12 December 2021. <https://www.fao.org/3/am387e/am387e.pdf>

²¹³⁰ Ending Extreme Poverty, The World Bank (Washington D.C.) 8 June 2016. Access Date: 12 December 2021. <https://www.worldbank.org/en/news/feature/2016/06/08/ending-extreme-poverty>

²¹³¹ Sustainable Food and Agriculture, FAO (Rome) n.d. Access Date: 12 December 2021. <https://www.fao.org/sustainability/en/>

²¹³² Innovation at FAO, FAO (Rome) n.d. Access Date: 12 December 2021. <https://www.fao.org/innovation/en/>

²¹³³ Increase, Merriam-Webster Dictionary (Springfield). Access Date: 12 December 2021. <https://www.merriam-webster.com/dictionary/increase>

²¹³⁴ Agriculture Finance, International Finance Corporation (Washington D.C.) n.d. Access Date: 12 December 2021. https://www.ifc.org/wps/wcm/connect/industry_ext_content/ifc_external_corporate_site/financial+institutions/priorities/sme+finance/agriculture+finance

²¹³⁵ Financing for Agriculture: How to Boost Opportunities in Developing Countries, International Institute for Sustainable Development (Winnipeg) September 2015. Access Date: 12 December 2021. <https://www.iisd.org/system/files/publications/financing-agriculture-boost-opportunities-devloping-countries.pdf>

²¹³⁶ Access to Rural Finance, FAO (Rome) n.d. Access Date: 12 December 2021. <https://www.fao.org/policy-support/policy-themes/access-to-finance/en/>

²¹³⁷ Access to Finance for Inclusive Agri-business Development, 2SCALE (Amsterdam) n.d. Access Date: 12 December 2021. https://www.2scale.org/upload/650938_2SCALE_paper11.pdf

food security, nutrition and sustainable development, through manners that respect, protect and promote human rights.²¹³⁸ Relevant actions would emphasize the vital role of smallholders (including family farmers), the empowerment of women and rural areas.

This commitment covers a wide range of activities in food and agriculture, constituting the breadth component of this compliance analysis. To fulfill every aspect of this commitment, G20 members have to 1) encourage innovative developments in agricultural technologies and policies to improve the productivity, sustainability and resiliency of food systems across the globe, as well as 2) improve access of funds for actors in the agricultural sector with attention to the protection and promotion of human rights along the way. An action that addresses both dimensions would have more breadth than another action that only addresses some of the aforementioned elements.

Meanwhile, this commitment also has a depth component for evaluating the strength of actions taken by G20 members. On the one hand, an action that brings structural reform beneficial for agri-food systems and agri-businesses in the long term would have more depth than another action that merely remedies damages to the agricultural sector induced by the COVID-19 pandemic.

On the other hand, a G20 member must take significant action on both the domestic and international levels for full compliance. If a G20 member only takes partial action on one or both levels, it would receive a status of partial compliance. Partial actions can include verbal reaffirmation of the commitment or attendance of relevant meetings. For strong actions, a G20 member would have to initiate a new program, implement a new policy or pass a new regulation to advance promised efforts towards strengthening agri-food systems and agri-businesses.

To achieve full compliance, G20 members must take concrete actions in three or four of the following: 1) foster sustainable food systems, 2) foster resilient food systems, 3) foster agriculture innovation and 4) increase access to finance through responsible investment in agriculture and food systems. The first three dimensions might include efforts to encourage developments, especially innovations, within the agri-food systems. These progresses, from production technologies to policy designs, can occur in agricultural value-chains at national, regional and global levels, as well as in international food trade.²¹³⁹ Meanwhile, the latter dimension entails efforts to increase the availability of funds for actors across the agricultural sector with explicit considerations for human rights. Efforts in this regard would increase the amount and variety of financial instruments at the disposal of farmers and small agricultural entrepreneurs, actors along the agricultural value chain, rural infrastructure, in addition to research and development.²¹⁴⁰ These efforts would pay attention to the specific circumstances these relevant actors face to ease their financial burdens, thereby assisting them to overcome numerous challenges caused by lack of access to finance.²¹⁴¹

Partial compliance indicates that G20 member's progress in advancing food sustainability to end hunger and malnutrition and eradicate poverty through one or two of the following approaches: by 1) cultivating sustainable food systems, 2) cultivating resilient food systems, 3) promoting of agriculture innovation or by 4) improving access to finance through responsible investment in agriculture and food systems.

²¹³⁸ Principles for Responsible Investment in Agriculture and Food Systems, FAO (Rome) n.d. Access Date: 12 December 2021. <https://www.fao.org/3/au866e/au866e.pdf>

²¹³⁹ Innovation in Agriculture and Food Systems for Achieving SDGs, FAO Regional Conference for the Near East, FAO (Muscat) 2-4 March 2020. Access Date: 12 December 2021. <https://www.fao.org/3/nc249en/nc249en.pdf>

²¹⁴⁰ Financing for Agriculture: How to Boost Opportunities in Developing Countries, International Institute for Sustainable Development (Winnipeg) September 2015. Access Date: 12 December 2021. <https://www.iisd.org/system/files/publications/financing-agriculture-boost-opportunities-developing-countries.pdf>

²¹⁴¹ Agriculture Finance, International Finance Corporation (Washington D.C.) n.d. Access Date: 12 December 2021. https://www.ifc.org/wps/wcm/connect/industry_ext_content/ifc_external_corporate_site/financial+institutions/priorities/sme+finance/agriculture+finance

For a score of non-compliance in this commitment, the G20 member has completed none of the criteria identified above.

Scoring Guidelines

-1	G20 member has NOT taken any actions to foster sustainable and resilient food systems and agriculture innovation, and does not increase access to finance through responsible investment in agriculture and food systems.
0	G20 member has taken actions in one or two of the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation OR increase access to finance through responsible investment in agriculture and food systems.
+1	G20 member has taken actions in three or four of the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation OR increase access to finance through responsible investment in agriculture and food systems.

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Argentina: +1

Argentina has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment

On 10 November 2021, Minister of Agriculture Julián Domínguez chaired a meeting with the Rural Society of Mar del Plata to call for the development of a sustainable agro-bioindustrial model to compete with the growing global demand for food.²¹⁴² Minister Domínguez affirmed that the federal government aims to “certify the traceability and quality of the food [it produces].”

On 17 November 2021, the Ministry of Agriculture declared the launch of the National Program for Sustainable Agriculture Development (PRONADACS).²¹⁴³ Undersecretary of Fisheries and Agriculture Carlos Liberman expressed that aquaculture production represents “a source of healthy and accessible food, with the capacity to contribute to food security.”

On 29 November 2021, Minister Domínguez attended the opening of the country’s first agro-ecological butcher shop.²¹⁴⁴ Minister Domínguez stated the federal government’s support for initiatives that “resist the ups and downs of agricultural production, with fresh and local food of safe and nutritional quality.”

On 10 December 2021, Minister Domínguez organized a conference at the National Institute of Agricultural Technology, during which he collaborated with Secretary for Food, Bioeconomy and Regional Development

²¹⁴² Julián Domínguez, in Rural de Mar del Plata: "We must have a shared growth agenda," Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 10 November 2021. Translation provided by Google Translate. Access Date: 7 January 2022.

²¹⁴³ The National Program for Sustainable Aquaculture Development Was Created, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 17 November 2021. Translation provided by Google Translate. Access Date: 7 January 2022. <https://www.argentina.gob.ar/noticias/se-creo-el-programa-nacional-de-desarrollo-acuicola-sustentable>

²¹⁴⁴ In the month of agroecology, the Ministry of Agriculture supports the launch of the first agro-ecological butcher shop, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 29 November 2021. Translation provided by Google Translate. Access Date: 7 January 2022. <https://www.argentina.gob.ar/noticias/en-el-mes-de-la-agroecologia-el-ministerio-de-agricultura-apoya-el-lanzamiento-de-la>

Marcelo Alós.²¹⁴⁵ Secretary Alós declared that President Alberto Fernández’s administration is prepared to “face the challenges of sustainability and food security at a global level.”

On 20 December 2021, Minister Domínguez met with Chief of the Cabinet of Ministers Juan Manzur to confirm that agreements had been reached to guarantee the price of wheat and corn to combat global food price inflation.²¹⁴⁶

On 23 December 2021, the Ministry of Agriculture confirmed that Argentine producers had achieved the highest wheat production in national history, reaching 22.1 million tonnes.²¹⁴⁷ Minister of Agriculture Julián Domínguez stated that “these record levels [are achieved] in a sustainable manner, massively incorporating Good Agricultural Practices, biotechnology and the entire knowledge economy offered by the biotechnological and Agtech ecosystem.”

On 15 January 2022, Minister Domínguez visited the regions affected by drought, meeting with provincial governments to “update the emergency fund, a historic need and request from producers.”²¹⁴⁸ He remarked that “it is necessary [to also] have irrigation instruments for small and medium-sized producers.”

On 26 January 2022, Chief of the Cabinet of Ministers Juan Manzur met with several ministers to discuss the implementation of 21 irrigation projects in the country.²¹⁴⁹ Deputy Chief of Staff Jorge Neme declared that “the purpose of the meeting was to analyze the core of a public investment policy that allows the increase in agri-food production.”

On 1 February 2022, the Ministry of Agriculture released a credit line of ARS100 billion in service to those in the meat, milk and by-products industries to promote “sustainable production, improve productivity and productive competitiveness and promote investment and employment.”²¹⁵⁰

On 2 February 2022, Chief Manzur announced an ARS800 million credit line for small and medium-sized agricultural producers of the province of Entre Ríos to assist in the recovery from the past season’s drought.²¹⁵¹ The financing line allows local grain, meat and dairy producers to request up to ARS5 million in credit with no interest rate during the first year.

²¹⁴⁵ The Ministry of Agriculture highlighted the importance of strengthening sustainable production for the construction of a regional view of agro-bioindustry, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 10 December 2021. Translation provided by Google Translate. Access Date: 7 January 2022. <https://www.argentina.gob.ar/noticias/el-ministerio-de-agricultura-destaco-la-importancia-de-fortalecer-la-produccion-sostenible>

²¹⁴⁶ Manzur received Minister Domínguez to analyze the agreements reached with the wheat and corn tables, Chief of the Cabinet of Ministers (Buenos Aires) 20 December 2021. Translation provided by Google Translate. Access Date: 7 January 2022.

²¹⁴⁷ Record wheat harvest: it will reach 22.1 million tons in the 2021/22 Campaign, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 23 December 2021. Translation provided by Google Translate. Access Date: 7 January 2022.

<https://www.argentina.gob.ar/noticias/cosecha-record-de-trigo-alcanzara-221-millones-de-toneladas-en-la-campana-202122>

²¹⁴⁸ Julián Domínguez toured the regions affected by the drought in the Core Zone and stated: “We are working on concrete solutions for our producers,” Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 15 January 2022. Translation provided by Google Translate. Access Date: 30 January 2022. <https://www.argentina.gob.ar/noticias/julian-dominguez-recorrio-las-regiones-afectadas-por-la-sequia-en-la-zona-nucleo-y-afirmo>

²¹⁴⁹ The national government promotes investments to increase agri-food production, Chief of the Cabinet of Ministers (Buenos Aires) 26 January 2022. Translation provided by Google Translate. Access Date: 30 January 2022.

<https://www.argentina.gob.ar/noticias/el-gobierno-nacional-impulsa-inversiones-para-incrementar-la-produccion-de-agroalimentos>

²¹⁵⁰ GanAr Plan: the rate bonus for livestock producers, dairy farmers and cooperatives comes into force, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 1 February 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.argentina.gob.ar/noticias/plan-ganar-entra-en-vigencia-la-bonificacion-de-tasa-para-productores-ganaderos-tamberos-y>

²¹⁵¹ The national government invests \$800M to assist more than 160 agricultural and livestock producers from Entre Ríos affected by the drought, Ministry of Productive Development (Buenos Aires) 2 February 2022. Translation provided by Google Translate. Access Date: 4 April 2022. <https://www.argentina.gob.ar/noticias/el-gobierno-nacional-invierte-800m-para-asistir-mas-de-160-productores-agropecuarios-y>

On 3 February 2022, Chief Manzur signed agreements with Minister of Public Works Gabriel Katopodis to launch a drinking water program that would supply water for 25,000 inhabitants.²¹⁵²

On 23 March 2022, the Ministry of Agriculture participated in a virtual seminar of the United Nations Food and Agriculture Organization, during which the ministry emphasized their recent creation of the National Directorate of Agroecology (DNA).²¹⁵³ Secretary of Agriculture Matías Lestani stated that the DNA's purpose is to “continue working together in the development of public policies that underpin this way of generating healthy food, which is done in a sustainable manner.”

On 30 March 2022, Minister Domínguez agreed to increase cooperation between Argentina and Paraguay concerning the development of biotechnology and good agricultural and livestock practices, making the technological developments of the ministry accessible to its Paraguayan counterpart.²¹⁵⁴ Minister Domínguez stressed that “food security and sustainability are absolute priorities for [their] countries.”

On 31 March 2022, the Ministry of Agriculture announced the expansion of the use of the Argentine Bioproduct Seal to include bio-inputs.²¹⁵⁵ The seal allows consumers to identify biomaterials, bioproducts and bio-inputs produced with renewable raw materials, aiming to create an exclusively sustainable production chain.

On 7 April 2022, the Ministry of Agriculture hosted a conference of Argentine and Brazilian fishing business executives to encourage the expansion of the fishing and aquaculture sectors between the two countries.²¹⁵⁶ Minister of Agriculture Julián Domínguez remarked that they “are working to enhance the capacities of [their] producers, generate more value and contribute to global food security.”

On 13 April 2022, Minister Domínguez and Brazilian ambassador Reinaldo José De Almedia Salgado expressed their interest to pursue a common initiative in agricultural sustainability and the expansion of their agrobiotechnology exports in the global market.²¹⁵⁷

²¹⁵² Strong boost from the Nation to public works in Misiones based on agreements signed by Manzur, Katopodis and Domínguez with Governor Herrera Ahuad, Chief of the Cabinet of Ministers (Buenos Aires) 3 February 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.argentina.gob.ar/noticias/fuerte-impulso-de-nacion-la-obra-publica-en-misiones-partir-de-convenios-firmados-por>

²¹⁵³ The Ministry of Agriculture, FAO and IFAD present tools for the development of Agroecology in Argentina, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 23 February 2022. Translation provided by Google Translate. Access Date: 10 March 2022. <https://www.argentina.gob.ar/noticias/el-ministerio-de-agricultura-la-fao-y-el-fida-presentan-herramientas-para-el-desarrollo-de>

²¹⁵⁴ Argentina and Paraguay agree on bilateral cooperation for the certification of good agricultural and livestock practices and regional biotechnological development, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 20 March 2022. Translation provided by Google Translate. Access Date: 30 March 2022. <https://www.argentina.gob.ar/noticias/argentina-y-paraguay-acuerdan-cooperacion-bilateral-para-la-certificacion-de-las-buenas>

²¹⁵⁵ Agriculture expands the Argentine Bioproduct seal with new benefits and categories, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 31 March 2022. Translation provided by Google Translate. Access Date: 8 April 2022. <https://www.argentina.gob.ar/noticias/agricultura-amplia-el-sello-de-bioproducto-argentino-con-nuevos-beneficios-y-categorias>

²¹⁵⁶ Julián Domínguez and Daniel Scioli led a working meeting with businessmen from Brazil and Argentina to promote investments and exports in the fishing and aquaculture sector, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 7 April 2022. Translation provided by Google Translate. Access Date: 8 April 2022. <https://www.argentina.gob.ar/noticias/julian-dominguez-y-daniel-scioli-encabezaron-una-reunion-de-trabajo-con-empresarios-de>

²¹⁵⁷ Argentina and Brazil work on a common agenda to position our agrobiotechnology in the world, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 13 April 2022. Translation provided by Google Translate. Access Date: 26 April 2022. <https://www.argentina.gob.ar/noticias/argentina-y-brasil-trabajan-en-una-agenda-comun-para-posicionar-nuestra-agrobiologia-en>

On 24 April 2022, Minister Domínguez agreed to formulate a strategic mission with Israel to improve sustainable practices of irrigation, food certification and biotechnology.²¹⁵⁸ The meeting of the two ministries emphasized the “need to prioritize innovation and knowledge as the main tools in the face of common challenges faced by producers around the world in the face of climate change.”

On 3 May 2022, Minister Domínguez commenced the implementation of the Argentine Livestock Plan, seeking to increase domestic meat production by 600,000 tons by 2030.²¹⁵⁹ In a meeting with provincial agricultural representatives, Minister Domínguez stated that they “have to lead the vision of development of Argentine livestock in a sustainable manner.”

On 27 May 2022, Governments of Argentina and Mexico held a bilateral meeting aimed at increasing the exchange of various crops and meats, as well as agricultural equipment, machinery and technology.²¹⁶⁰ Foods discussed in relation to exports included Bovine and Pork meat, grains such as rice and beans, as well as fruits like citrus and apple. Argentina’s delegation, headed by Minister of Foreign Affairs, International Trade and Worship Santiago Cafiero, and the Mexican delegation, led by Minister of Agriculture and Rural Development Víctor Villalobos Arámbula, emphasized the importance of fertile Latin America in this current era of fear over food insecurity.

On 6 June 2022, Minister Domínguez, Governor Gerardo Zamora, Governor Jorge Capitanich, along with director of the World Bank for Argentina, Paraguay and Uruguay Jordan Schwartz, launched the AGRO XXI program.²¹⁶¹ A total of ARS550 million contributed by the World Bank, the Government of Argentina and the private sector will be put towards the economic recovery of agri-food systems, specifically through climate-friendly practices, further improving the agro-bioindustrial development of Argentina.

On 9 June 2022, General Director of the General Directorate of Sectoral and Special Programs and Projects (DIPROSE) Gervasio Bozzano presented the Program for the Promotion of Resilient and Sustainable Agrifood Systems for Family Farming (PROSAF).²¹⁶² The ARS33.1 million that has been put towards PROSAF will be used to promote sustainable and inclusive agricultural production and marketing systems, specifically for indigenous, family and peasant farmers.

Argentina has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by seeking new domestic improvements, resilient agricultural systems by funding

²¹⁵⁸ Julián Domínguez and his counterpart from Israel, Oded Forer, agreed to advance a strategic plan between both countries for the sustainable use of water, biotechnology and food certification, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 24 April 2022. Translation provided by Google Translate. Access Date: 30 April 2022.

<https://www.argentina.gob.ar/noticias/julian-dominguez-y-su-par-de-israel-oded-forer-acordaron-avanzar-en-un-plan-estrategico>

²¹⁵⁹ Plan GanAr: With the goal of increasing meat production by 600,000 tons, work began in conjunction with the provinces, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 3 May 2022. Translation provided by Google Translate. Access Date: 13 May 2022.

<https://www.argentina.gob.ar/noticias/plan-ganar-con-la-meta-de-incrementar-en-600-mil-toneladas-la-produccion-de-carne-comenzo>

²¹⁶⁰ The Southern Cone and North America, key regions in the production of foodstuffs for the world: agriculture, Ministry of Agriculture and Rural Development (Mexico City) 27 May 2022. Translation provided by Analyst. Access Date: 11 June 2022.

<https://www.gob.mx/agricultura/prensa/el-cono-sur-y-norteamerica-regiones-clave-en-la-produccion-de-alimentos-para-el-mundo-agricultura?idiom=es>

²¹⁶¹ Santiago del Estero: The national government launched a program that will contribute 550 million dollars for Argentine agro-bioindustrial development, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 6 June 2022. Translation provided by Google Translate. Access Date: 11 June 2022. <https://www.argentina.gob.ar/noticias/santiago-del-estero-el-gobierno-nacional-lanza-un-programa-que-aportara-550-millones-de>

²¹⁶² DIPROSE launches a new Program to improve sustainable and inclusive production, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 9 June 2022. Translation provided by Google Translate. Access Date: 11 June 2022.

<https://www.argentina.gob.ar/noticias/la-diprose-lanza-un-nuevo-programa-para-mejorar-la-produccion-sustentable-e-inclusiva>

drought protection initiatives, agriculture innovation by developing biotechnology and increased access to finance through responsible investment in agriculture by enhancing the productivity and competitiveness of meat, milk and by-products industries along with the AGRO XXI and PROSAF programs.

Thus, Argentina receives a score of +1.

Analyst: Timothy Tennant

Australia: +1

Australia has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 17 December 2021, Australia and the United Kingdom signed a new free-trade agreement expected to increase trade by 53 per cent.²¹⁶³ The agreement means that Australian farmers will have improved access to over 65 million UK consumers.²¹⁶⁴

On 12 December 2021, the Food and Agriculture Organization of the United Nations (FAO) announced that together with the Government of Australia, they would provide vegetable seed packs to around 46,000 vulnerable families impacted by the COVID-19 pandemic in Sri Lanka.²¹⁶⁵ The Australian Department of Foreign Affairs and Trade will dedicate USD100,000 to fund the FAO initiative.

On 22 January 2022, Department of Agriculture, Water and the Environment announced that it will develop a National eDNA Reference Centre in partnership with the University of Canberra.²¹⁶⁶ According to Department Secretary Andrew Metcalfe, the program will provide infrastructure, governance and policy to enable efficient and sustainable eDNA testing on matters of biosecurity and environmental risk management.

On 25 January 2022, Minister for Agriculture and Northern Australia David Littleproud commenced a visit to Indonesia to strengthen regional partnership in agricultural trade and relations.²¹⁶⁷ Three days later, the two countries signed the Indonesia-Australia Memorandum of Understanding on Agricultural Cooperation, which aims to “facilitate mutually beneficial trade” and contains taskforces focusing on “livestock and animal products, crop and plant products, modern systems and processes, as well as agriculture research and education” to help build resilient food systems and promote agriculture innovation.²¹⁶⁸

On 9 February 2022, the Agriculture Biodiversity Stewardship Market Bill was introduced to the Australian parliament.²¹⁶⁹ According to Minister for Agriculture and Northern Australia David Littleproud, the bill

²¹⁶³ Australia-United Kingdom Free Trade Agreement, Department of Foreign Affairs and Trade (Barton) 17 December 2021. Access Date: 14 May 2021. <https://www.dfat.gov.au/trade/agreements/not-yet-in-force/aukfta>

²¹⁶⁴ New Era of Free Trade with the UK, Minister for Trade Tourism and Investment (Barton) 17 December 2021. Access Date: 16 May 2021. <https://www.trademinister.gov.au/minister/dan-tehan/media-release/new-era-free-trade-uk>

²¹⁶⁵ Government of Australia and FAO partner to improve the nutrition status of families affected by the COVID-19 pandemic, Food and Agriculture Organization of the United Nations (Rome) 12 December 2021. Access Date: 11 February 2022. <https://www.fao.org/srilanka/news/detail-events/en/c/1458132/>

²¹⁶⁶ National eDNA Reference Centre launched with University of Canberra, Department of Agriculture, Water and the Environment (Canberra) 20 January 2022. Access Date: 11 February 2022. <https://www.awe.gov.au/about/news/media-releases/national-edna-reference-centre-launched-with-university-canberra>

²¹⁶⁷ Strengthening our agricultural partnership with Indonesia, Australian Government (Canberra) 27 January 2022. Access Date: 26 February 2022. <https://minister.awe.gov.au/littleproud/media-releases/strengthening-our-agricultural-partnership-with-Indonesia>

²¹⁶⁸ Indonesia-Australia MoU on Agricultural Cooperation signed, Australian Government (Canberra) 28 January 2022. Access Date: 26 February 2022. <https://minister.awe.gov.au/littleproud/media-releases/Indonesia-Australia-MoU-on-Agricultural-Cooperation>

²¹⁶⁹ Bill backs agriculture biodiversity stewardship market, Department of Agriculture, Water and the Environment (Canberra) 9 February 2022. Access Date: 13 February 2022. <https://minister.awe.gov.au/littleproud/media-releases/agriculture-biodiversity-stewardship-market-bill%20introduced>

presents new opportunities for Australian farmers to utilize their land management expertise to create and manage new income streams.

On 16 February 2022, the Australian Bureau of Agricultural and Resources Economics and Sciences (ABARES) released new general surveillance guidelines with regards to biosecurity programs.²¹⁷⁰ ABARES Executive Director Dr. Jared Greenville said that this will help detect new pests, weeds and diseases as well as better understand disease spreads.

On 31 March 2022, the Australian Department of Agriculture, Water and the Environment signed an agreement with Charles Sturt University to create a new Biosecurity Training Centre to strengthen Australia's biosecurity abilities.²¹⁷¹ The Centre will provide specialized training for staff to manage and find responses to biosecurity risks and threats, including pest and disease preparedness, response and containment abilities.

On 24 May 2022, an initiative for climate change was announced by the "Quad countries:" Japan, India, Australia and the United States.²¹⁷² This initiative in part addresses promoting sustainable agricultural endeavors as well as promoting food security.

Australia has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by studying clean energy with partners overseas, resilient food systems by incorporating eDNA testing and increased access to finance through responsible investment in agriculture by helping farmers diversify income streams. Meanwhile, more work is needed to promote agriculture innovation.

Thus, Australia receives a score of +1.

Analyst: Clémentine Benoit

Brazil: +1

Brazil has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 25 November 2021, the Brazil-China Forum on Biotechnology, Agriculture and Sustainability took place.²¹⁷³ Secretary of Innovation, Sustainable Development and Irrigation of the Brazilian Ministry of Agriculture Fernando Camargo as well as Chinese Ambassador to Brazil Yang Wanming participated in the discussion with many agriculture experts from the two countries. They emphasized cooperation through germplasm development, low-carbon and smart agriculture, in addition to green finance.

On 7 April 2022, Minister of Agriculture, Livestock and Supply Marcos Montes Cordeiro hosted a bilateral conference with Argentinian Minister of Agriculture, Livestock and Fisheries Julián Domínguez and fishing business executives to encourage the expansion of the fishing and aquaculture sectors between the two

²¹⁷⁰ General Surveillance Program Guidelines released, Department of Agriculture, Water and the Environment (Canberra) 16 February 2022. Access Date: May 14, 2022. <https://www.awe.gov.au/abares/news/general-surveillance-program-guidelines-released>

²¹⁷¹ New partnership to establish a Biosecurity Training Centre to support a skilled and responsive biosecurity capability, Department of Agriculture, Water and the Environment (Canberra) 31 March 2022. Access Date: 15 May 2022. <https://www.awe.gov.au/about/news/media-releases/biosecurity-training-centre-csu>

²¹⁷² Quad Cooperation in Climate Change and launch of the Quad Climate Change Adaptation and Mitigation Package (Q-CHAMP), Ministry of Foreign Affairs (Tokyo) 24 May 2022. Access Date: 4 June 2022. <https://www.mofa.go.jp/files/100348057.pdf>

²¹⁷³ Seminar discusses cooperation between China and Brazil in biotechnology, agriculture and sustainability, XINHUA Portuguese (Brasilia) 24 November 2021. Translation provided by Google Translate. Access Date: 26 February 2022. http://portuguese.news.cn/2021-11/24/c_1310329917.htm

countries.²¹⁷⁴ Through these efforts, they hoped to “enhance the capacities of [their] producers, generate more value and contribute to global food security.”

On 13 April 2022, Brazilian ambassador Reinaldo José De Almedia Salgado and Argentinian Minister of Agriculture Julián Domínguez expressed their interest to pursue a common initiative in agricultural sustainability.²¹⁷⁵ Meanwhile, they hoped to expand their agro-biotechnology exports in the global market.

On 6 May 2022, Brazilian Ministry of Agriculture, Livestock and Supply along with the Government of Japan jointly signed onto the Collaborative Development of Digital and Precision Agriculture to Strengthen the Innovation Ecosystem and the Sustainability of the Brazilian Agro partnership project.²¹⁷⁶ This project encourages the development of sustainable agro-industrial technologies, plans to advance productivity and environmental sustainability within agricultural systems and will improve the profitability of the agricultural sector between Japan and Brazil.

On 2 June 2022, Normative Instruction No. 21 was published in the Government of Brazil’s Official Gazette of the Union. Normative Instruction No. 21 introduces new standards for the integrated production of grapes in processing (PIUP) that will come into effect on 1 July 2022.²¹⁷⁷ The 13 standards topics within the PIUP aim to achieve many different goals, including the reduction of the environmental impact of grape processing and avoiding the unnecessary use of inputs. Enforcing the PIUP standards will help Brazil’s grape harvesting and processing systems to be more financially and environmentally sustainable.

On 6 June 2022, Minister of Agriculture, Livestock and Supply Marcos Montes presented the National Program for Decarbonizing Agricultural Chains.²¹⁷⁸ The program encourages the use of sustainable technologies for agricultural production to reduce the greenhouse gas emissions resulting from agricultural chains and products.

Brazil has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by enhancing harvesting and processing systems to be more financially and environmentally sustainable, resilient food systems by enforcing new standards, agriculture innovation by encouraging the development of sustainable agro-industrial technologies and increased access to finance through responsible investment in agriculture and food systems by cooperating with partners overseas to facilitate agricultural trades.

²¹⁷⁴ Julián Domínguez and Daniel Scioli led a working meeting with businessmen from Brazil and Argentina to promote investments and exports in the fishing and aquaculture sector, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 7 April 2022. Translation provided by Google Translate. Access Date: 8 April 2022. <https://www.argentina.gob.ar/noticias/julian-dominguez-y-daniel-scioli-encabezaron-una-reunion-de-trabajo-con-empresarios-de>

²¹⁷⁵ Argentina and Brazil work on a common agenda to position our agrobiindustry in the world, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 13 April 2022. Translation provided by Google Translate. Access Date: 26 April 2022. <https://www.argentina.gob.ar/noticias/argentina-y-brasil-trabajan-en-una-agenda-comun-para-posicionar-nuestra-agrobiindustria-en>

²¹⁷⁶ Mapa and Embrapa sign agreement with Japan for cooperation in digital agriculture, Ministry of Agriculture, Livestock and Supply (Brasilia) 9 May 2022. Translation provided by DeepL. Access Date: 11 June 2022. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/mapa-e-embrapa-assinam-acordo-com-japao-para-cooperacao-em-agricultura-digital>

²¹⁷⁷ Technical standards for integrated grape production come into force in July, Ministry of Agriculture Livestock and Supply (Brasilia) 8 June 2022. Translation provided by DeepL. Access Date: 11 June 2022. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/normas-tecnicas-para-a-producao-integrada-de-uva-entram-em-vigor-em-julho>

²¹⁷⁸ Mapa presents program to reduce carbon emissions in agricultural chains, Ministry of Agriculture, Livestock and Supply (Brasilia) 6 June 2022. Translation provided by Google Translate. Access Date: 11 June 2022. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/mapa-apresenta-programa-para-reduzir-emissao-de-carbono-nas-cadeias-agropecuarias>

Thus, Brazil receives a score of +1.

Analyst: Tisya Raina

Canada: +1

Canada has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 15 November 2021, the fourth meeting of the EU-Canada Comprehensive Economic Trade Agreement (CETA) took place virtually, alongside the Canada-European Union Agriculture Dialogue.²¹⁷⁹ This meeting featured “a commitment to maintain a positive collaborative approach” and considered several agri-food products important in bilateral trade to promote the resilience of regional food systems.

On 6 December 2021, Global Affairs Canada and Minister of International Development and Minister responsible for the Pacific Economic Development Agency of Canada, Harjit S. Sajjan, announced a contribution to Canadian Foodgrains Bank (CFGB) of CAD75 million over the next 3 years.²¹⁸⁰ CFGB operates globally and this effort intends to ease COVID-19 related food insecurity.

On 7 December 2021, Global Affairs Canada and Minister Sajjan announced a contribution of CAD195 million to various organizations globally.²¹⁸¹ The report noted that this funding was in part pledged a year prior with the Nutrition for Growth Year of Action, which in total promised CAD520 million.

On 9 December 2021, Auditor General Karen Hogan released a report, known as “Report 12,” on the interactions of food systems of Canada with the recent COVID-19 pandemic.²¹⁸² This report analyzed the places where Canada’s policy had been effective but also drew attention to how it further marginalized those already at higher risk for food insecurity.

On 15 December 2021, the Department of Agriculture and Agri-Food published a news release announcing an investment of CAD4 million towards the Hay West 2021 initiative of the Canadian Federation of Agriculture (CFA).²¹⁸³ This was in response to the extreme weather conditions that had worsened the farming conditions, particularly affecting farming in Western and Northern Ontario.

On 16 December 2021, Prime Minister Justin Trudeau issued a mandate letter to Minister of Agriculture and Agri-Food Marie-Claude Bibeau, reflecting on concerns and offering a list of proposed commitments.²¹⁸⁴

²¹⁷⁹ Meeting of the EU-Canada CETA Committee on Agriculture and Agriculture Dialogue – November 15, 2021, Global Affairs Canada (Ottawa) 4 February 2022. Access Date: 9 February 2022. https://www.international.gc.ca/trade-commerce/trade-agreements-accords-commerciaux/agr-acc/ceta-aecg/2021-11-15_ceta_comm_agri-2021-11-15_comite_agri_aecg.aspx?lang=eng

²¹⁸⁰ Canada renews support for Canadian Foodgrains Bank to help provide food to people affected by humanitarian crises, Global Affairs Canada (Ottawa) 6 December 2021. Access Date: 24 January 2022. <https://www.canada.ca/en/global-affairs/news/2021/12/canada-renews-support-for-canadian-foodgrains-bank-to-help-provide-food-to-people-affected-by-humanitarian-crises.html>

²¹⁸¹ Canada announces support for global nutrition efforts, Global Affairs Canada (Ottawa) 7 December 2021. Access Date: 24 January 2022. <https://www.canada.ca/en/global-affairs/news/2021/12/canada-announces-support-for-global-nutrition-efforts.html>

²¹⁸² Emergency programs helped support Canada’s food system during the pandemic in the absence of a national crisis response plan, Office of the Auditor General (Ottawa) 9 December 2021. Access Date: February 2022. https://www.oag-bvg.gc.ca/internet/English/mr_20211209_e_43975.html

²¹⁸³ Support for the solidarity of Canadian agriculture in year marked by extreme climate events, Agriculture and Agri-Food (Ottawa) 15 December 2021. Access Date: 24 January 2021. <https://www.canada.ca/en/agriculture-agri-food/news/2021/12/support-for-the-solidarity-of-canadian-agriculture-in-year-marked-by-extreme-climate-events.html>

²¹⁸⁴ Minister of Agriculture and Agri-Food Mandate Letter, Office of the Prime Minister (Ottawa) 16 December 2021. Access Date: 24 January 2021. <https://pm.gc.ca/en/mandate-letters/2021/12/16/minister-agriculture-and-agri-food-mandate-letter>

Among these commitments are supported on local, provincial, national and international levels regarding agriculture, accounting for intersecting issues such as sustainability and diversity.

On 21 December 2021, the Canadian government announced CAD336,763 would be invested to provide access to essential goods, including food, to the Tsal'ah indigenous people residing in British Columbia.²¹⁸⁵

On 5 January 2022, Canada's Trade Commissioner Service created a report on sustainable crop management, outlining innovative developments in agriculture regarding fertilizers, conservation practices and artificial intelligence.²¹⁸⁶ These measures intend to not only aid in environmental efforts, but also to increase the amount and quality of harvested crops.

On 7 January 2022, the Department of Agriculture and Agri-Food released a news report announcing a contribution of CAD495,000 toward the Canadian Centre for Swine Improvement (CCSI).²¹⁸⁷ This contribution is designed to promote innovation in the realm of goat and sheep farming by integrating in genetic services.

On 19 January 2022, the Department of Agriculture and Agri-Food released a news report announcing a contribution of up to CAD4 million towards the Canadian Agricultural Partnership.²¹⁸⁸ This money will go towards the Livestock Veterinary Innovation Initiative, which seeks to provide veterinary services to livestock and thereby strengthen the quality and quantity of food, particularly within the province of Ontario, where the program seeks to serve specifically.

On 19 January 2022, the Department of Agriculture and Agri-Food, released a news report announcing a contribution of CAD5.1 million towards livestock and foraging innovative research, issued by the national department of Agriculture and Agri-Food as well as the Provincial Government of Saskatchewan.²¹⁸⁹ 28 new projects will be funded with this money through Saskatchewan Agriculture Development Fund.

On 28 January 2022, Canada joined the Sustainable Productivity Growth for Food Security and Resource Conservation Coalition (SPG).²¹⁹⁰ This coalition was born out of the UN food systems summit in September of 2021 and aims to create more sustainable food systems through global efforts.

²¹⁸⁵ Tsal'ah receives funding for emergency access and food security, Infrastructure Canada (Shalalth) 21 December 2021. Access Date: 24 January 2022. <https://www.canada.ca/en/office-infrastructure/news/2021/12/tsalalh-receives-funding-for-emergency-access-and-food-security.html>

²¹⁸⁶ Tsal'ah receives funding for emergency access and food security, Infrastructure Canada (Shalalth) 21 December 2021. Access Date: 24 January 2022. <https://www.canada.ca/en/office-infrastructure/news/2021/12/tsalalh-receives-funding-for-emergency-access-and-food-security.html>

²¹⁸⁷ Helping sheep and goat farmers improve productivity and increase supply with a new genetic services system, Agriculture and Agri-Food (Ottawa) 7 January 2022. Access Date: 24 January 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/01/helping-sheep-and-goat-farmers-improve-productivity-and-increase-supply-with-a-new-genetic-services-system.html>

²¹⁸⁸ Governments Increasing Veterinarian Capacity for Ontario Farms: \$4 Million Investment to Help Farmers Access Veterinary Care, Agriculture and Agri-Food (Ottawa) 19 January 2022. Access Date: 24 January 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/01/governments-increasing-veterinarian-capacity-for-ontario-farms4-million-investment-to-help-farmers-access-veterinary-care.html>

²¹⁸⁹ Governments of Canada and Saskatchewan Invest \$5 Million in Livestock Research, Agriculture and Agri-Food (Regina) 19 January 2022. Access Date: 24 January 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/01/governments-of-canada-and-saskatchewan-invest-5-million-in-livestock-research.html>

²¹⁹⁰ Canada joins international sustainable agriculture production and food systems coalition, Agriculture and Agri-Food (Ottawa) 28 January 2022. Access Date: 9 February 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/01/canada-joins-international-sustainable-agriculture-production-and-food-systems-coalition.html>

On 3 February 2022, 60 projects were approved under the Agricultural Clean Technology Program (ACT). This includes an investment of CAD17.9 million to aid farmers across Canada in seeking out clean energy agricultural innovations and solutions.²¹⁹¹

On 31 March 2022, Health Canada released their report on Sustainable Development for the 2022-2023 year.²¹⁹² This report included an entire section on developing sustainable food systems and promote innovations.

On 11 March 2022, the G7 agricultural ministers, including Canada, met in Berlin.²¹⁹³ They discussed global concerns regarding food insecurity and agriculture. One of the most prominently discussed issues were the facilitation of harvest in affected areas in the Ukraine due to their ongoing food crisis, in an effort to provide access to “sufficient, safe, affordable and nutritious food.”

On 15 March 2022, Minister Bibeau announced investments of over CAD860,000 in six businesses in the agricultural sector through the Innovative Solutions Canada (ISC) program.²¹⁹⁴ These organizations will receive up to CAD150,000 each and consist of increases in automation of agricultural practices.

On 18 March 2022, Minister of Northern Affairs Daniel Vandal announced the call for research monitoring contaminants being transported into Northern Canada for the 2022 through 2023 year.²¹⁹⁵ Through the Northern Contaminants Program the Government of Canada will provide CAD475,000 for new projects.

On 1 April 2022, Minister Bibeau announced an investment of CAD1.9 million in nine projects across Quebec and put out a call for applications.²¹⁹⁶ This is towards the goal of combatting climate change in the agriculture sector across Canada.

On 5 April 2022, Minister Bibeau announced a contribution of CAD419,000 to Mojow Autonomous Solutions to incorporate digital technologies and artificial intelligence into agricultural practices.²¹⁹⁷ These fall under the Canadian Agricultural Partnership and specifically the Agri-Science program.

²¹⁹¹ The Government of Canada invests in clean technology to support sustainable farming practices, Agriculture and Agri-Food (Farnham) 3 February 2022. Access Date: 9 February 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/02/the-government-of-canada-invests-in-clean-technology-to-support-sustainable-farming-practices0.html>

²¹⁹² Health Canada Departmental Sustainable Development Strategy 2022-23 (Ottawa) March 2022. Access Date: 14 May 2022. <https://www.canada.ca/content/dam/hc-sc/documents/corporate/about-health-canada/reports-publications/sustainable-development/health-canada-departmental-sustainable-development-strategy-2022-2023/health-canada-departmental-sustainable-development-strategy-2022-2023.pdf>

²¹⁹³ G7 Extraordinary Agriculture Ministers' Meeting, Agriculture and Agri-Food (Berlin) 11 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/03/g7-extraordinary-agriculture-ministers-meeting.html>

²¹⁹⁴ Government of Canada invests in innovation and technology to tackle challenges in agriculture, Agriculture and Agri-Food (Ottawa) 15 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/03/government-of-canada-invests-in-innovation-and-technology-to-tackle-challenges-in-agriculture.html>

²¹⁹⁵ Government of Canada announces call for proposals for northern contaminants research and monitoring projects, Crown-Indigenous relations and Northern Affairs (Ottawa) 18 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/crown-indigenous-relations-northern-affairs/news/2022/03/government-of-canada-announces-call-for-proposals-for-northern-contaminants-research-and-monitoring-projects.html>

²¹⁹⁶ Government of Canada invests in the adoption of sustainable practices and clean technologies in agriculture, Agriculture and Agri-Food (St-Hyacinthe) 1 April 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/04/government-of-canada-invests-in-the-adoption-of-sustainable-practices-and-clean-technologies-in-agriculture.html>

²¹⁹⁷ Government of Canada invests in digitization of farming to strengthen sustainability of Canada's agriculture sector, Agriculture and Agri-food (Ottawa) 5 April 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/04/government-of-canada-invests-in-digitization-of-farming-to-strengthen-sustainability-of-canadas-agriculture-sector.html>

On 11 April 2022, Minister of Housing and Diversity and Inclusion Ahmed Hussen highlighted the addition of CAD470 Million to the Budget 2022 allocated towards the On-Farm Climate Action Fund.²¹⁹⁸ This is intended to promote sustainable food goals and climate friendly agricultural practices.

On 22 April 2022, Minister Bibeau alongside Parliamentary Secretary Francis Drouin announced an investment of CAD6.4 million towards several AgriScience programs aimed at combatting climate change as part of the ACT.²¹⁹⁹ These programs were AFA System Inc, Cascadia Seaweed Corporation, Enns Brothers Ltd, McCain Foods Limited, Naut'sa Mawt Council and Nexus Robotics Inc.

On 26 April 2022 Minister Bibeau announced a contribution of CAD6 million towards the building of a facility to turn organic waste into feed.²²⁰⁰ This endeavor was specifically undertaken by Entosystem Inc and would be set to taken place in Drummondville, Quebec. This would be achieved through the feeding of food waste to the black soldier fly, which would convert the waste into viable animal feed.

On 27 April 2022, Minister Bibeau announced an investment of CAD1.9 million towards the Canadian Food Innovation Network (CFIN).²²⁰¹ This funding is for the purposes of creating a “digital food innovation hub” and incorporate more connectivity through technological developments.²²⁰²

On 2 May 2022, Ministers from local, provincial and federal government met to discuss sustainable agricultural development.²²⁰³ They also discussed global food supplies and the role that Canada plays, particularly as it relates to access to food in the Ukraine. In addition, it evaluated the threat of Avian Influenza and African Swine Fever (ASF) as it relates to agriculture.

On 6 May 2022, Minister Bibeau announced a contribution of over CAD3 million towards two projects that are centered on promoting risk assessment and emergency management, particularly those concerning disease outbreaks.²²⁰⁴ These organizations are Animal Health Canada, receiving CAD2,572,888 and Swine Innovation Porc, receiving CAD446,135.

On 9 May 2022, Minister Bibeau announced a contribution of CAD2.1 million towards organizations that promote the development of young farmers and agricultural innovations of the future.²²⁰⁵ These organizations

²¹⁹⁸ Investing in sustainable Agriculture to fight climate change, Infrastructure Canada (Saskatchewan) 11 April 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/office-infrastructure/news/2022/04/investing-in-sustainable-agriculture-to-fight-climate-change.html>

²¹⁹⁹ Government of Canada takes concrete actions to fight climate change in the agriculture sector (Ottawa) 22 April 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/04/government-of-canada-takes-concrete-actions-to-fight-climate-change-in-the-agriculture-sector.html>

²²⁰⁰ Government invests in new Quebec production facility to transform organic waste into feed, Agriculture and Agri-Feed Canada (Ottawa) 26 April 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/04/government-invests-in-new-quebec-production-facility-to-transform-organic-waste-into-feed.html>

²²⁰¹ Government of Canada invests in digital food innovation hub to create a stronger food system in Canada, Agriculture and Agri-Food (Ottawa) 27 April 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/04/government-of-canada-invests-in-digital-food-innovation-hub-to-create-a-stronger-food-system-in-canada.html>

²²⁰² Government of Canada invests in digital food innovation hub to create a stronger food system in Canada, Agriculture and Agri-Food (Ottawa) 27 April 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/04/government-of-canada-invests-in-digital-food-innovation-hub-to-create-a-stronger-food-system-in-canada.html>

²²⁰³ Federal-Provincial-Territorial Ministers of Agriculture Readout of Meeting, Agriculture and Agri-Food (Ottawa) 2 May 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/05/federal-provincial-territorial-ministers-of-agriculture-readout-of-meeting.html>

²²⁰⁴ Government of Canada supports the resiliency of the agriculture sector by increasing its capacity to face emergencies, Agriculture and Agri-Food Canada (Ottawa) 6 May 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/05/government-of-canada-supports-the-resiliency-of-the-agriculture-sector-by-increasing-its-capacity-to-face-emergencies.html>

²²⁰⁵ Government of Canada invests in the future generation of agricultural leaders, Agriculture and Agri-Food (Ottawa) 9 May 2022 Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/05/government-of-canada-invests-in-the-future-generation-of-agricultural-leaders.html>

are the Canadian 4-H Council, receiving CAD1.8 million, the Canadian Young Farmers Forum receiving up to CAD195,168 and Canadian Outstanding Young Farmers receiving CAD119,724, all over the next two years.

On 20 May 2022, Minister Bibeau announced an investment of CAD 635,000 towards Canadian farmers through the AgriScience program.²²⁰⁶ Four organizations across Canada will receive this money, specifically Canadian Nursery Landscapes Association, Centre de recherche en sciences animales de Deschambault, Saskatchewan Flax Development Commission and CanDry Technologies Inc.

On 25 May 2022, Minister Bibeau announced an investment of CAD2 million to a total of 38 projects across British Columbia.²²⁰⁷ This money came from the Local Food Infrastructure Fund and was intended to promote local initiatives to promote food security.

On 25 May 2022, Prime Minister Trudeau announced the Government of Canada's support of the African Union (AU) and their "Year of Nutrition Africa" initiative.²²⁰⁸ In addition, he announced the Government of Canada's support for the Agenda 2063 for economic development in accordance with the UN's Sustainable Development Goals.

On 9 June 2022, Minister Bibeau announced an investment of up to CAD 2,731,384 into Group Export Agri-Food Québec-Canada.²²⁰⁹ This investment will help Canadian farmers, working in both small and large scales, to increase the value of their agri-food exports.

Canada has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by funding disease control, resilient food systems by investing in risk assessment and emergency response, agriculture innovation by promoting genetic services for animals and increased access to finance through responsible investment in agriculture and food systems by facilitating trade with agri-food products overseas.

Thus, Canada receives a score of +1.

Analyst: Sarah Weiner

China: +1

China has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 25 November 2021, in the Forum on Biotechnology, Agriculture and Sustainable Development, Chinese Ambassador to Brazil Yang Wanming announced China's bilateral pragmatic cooperation with Brazil in

²²⁰⁶ Government of Canada invests in innovative projects to boost productivity and sustainability in Canadian agriculture, Agriculture and Agri-Food (Ottawa) 20 May 2022. Access Date: 1 June 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/05/government-of-canada-invests-in-innovative-projects-to-boost-productivity-and-sustainability-in-canadian-agriculture.html>

²²⁰⁷ Government of Canada invests in food security for communities in British Columbia, Agriculture and Agri-Food (Burnaby) 25 May 2022. Access Date: 1 June 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/05/government-of-canada-invests-in-food-security-for-communities-in-british-columbia.html>

²²⁰⁸ Statement by the Prime Minister on Africa Day, Prime Minister of Canada (Ottawa) 25 May 2022. Access Date: 4 June 2022. <https://pm.gc.ca/en/news/statements/2022/05/25/statement-prime-minister-africa-day>

²²⁰⁹ Government of Canada invests over \$2.7 million to grow agri-food exports, Agriculture and Agri-Food Canada (Ottawa) 9 June 2022. Access Date: 11 June 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/06/government-of-canada-invests-over-27-million-to-grow-agri-food-exports.html>

agriculture to achieve resource conservation and sustainable development.²²¹⁰ Yang analyzed the prospects of cooperation in biotechnology, agriculture and sustainable development between two countries in terms of germplasm development, low carbon and smart agriculture.

On 30 November 2021, in Ministry of Higher Education and Research in Egypt, Institute of Agricultural Resources and Agricultural Zoning of the Chinese Academy of Agricultural Sciences signed a memorandum of cooperation with Egyptian National Remote Sensing Space Science Administration.²²¹¹ The memorandum of cooperation is referred as “Sino-Egyptian Agricultural Green Development Joint Experiment.” Deputy Minister of the Ministry of Higher Education Yasser Rifat said that he is optimistic about the development of agricultural modernization through the construction of the Egypt-China Agriculture Green Development Joint Laboratory.

On 12 January 2022, Chinese Academy of Agricultural Sciences (CAAS) released a five-year development plan on agricultural science and technology innovation to increase food sustainability and security.²²¹² The plan aims to improve grain yield, self-sufficiency, utilization rate of irrigation water and reduce dependence on crop imports. President of CAAS Wu Kongming called for efforts to achieve agricultural innovation focused on seeds, cultivated land, agricultural machinery and biosafety.

On 20 January 2022, official with the Ministry of Agricultural and Rural Affairs Xie Jianmin announced the release of the Rural Development and the country’s endeavour to ensure food security, consolidate poverty alleviation and promote ecological agriculture, making food systems more environmentally efficient and beneficial to people living in rural areas.²²¹³ Associate vice-president of International Fund for Agricultural Development strategy and knowledge department Jyotsna Puri highlighted the significance of the rural food chain and promised investments and policy changes to make adequate and nutritious food more accessible.

On 9 February 2022, Ministry of Agriculture and Rural Affairs issued the “Guiding Opinions on Promoting the Construction of Ecological Farms” and announced the plan to construct 1,000 national-level ecological farms by 2025.²²¹⁴ The document proposes four main goals: construction of an ecological agricultural monitoring system, cultivation of ecological agricultural market entities, promotion of new ecological agricultural technology models and exploration of a set of ecological agricultural support policies.²²¹⁵ The document affirms the ecological farms’ importance and contribution to the “three products and one standard” in agricultural production by improving China’s agricultural quality and competitiveness.

On 22 February 2022, director of the Office of the Central Leading Group for Rural Work and Minister of Agriculture and Rural Affairs Tang Renjian gave a comprehensive interpretation of the newly-issued “Opinions of the Central Committee of the Communist Party of China and the State Council on Doing a Good Job in Comprehensively Promoting the Key Work of Rural Revitalization in 2022,” also known as the 19th Central

²²¹⁰ China-Pakistan Agricultural Cooperation Helps Achieve Sustainable Development, Xinhuanet (Beijing) 25 November 2021. Translation provided by Google Translate. Access Date: 10 February 2022. http://www.news.cn/2021-11/25/c_1128100524.htm

²²¹¹ China and Egypt Sign a Memorandum of Understanding on Cooperation in the Joint Laboratory of Agricultural Green Development, Xinhuanet (Beijing) 2 December 2021. Translation provided by Google Translate. Access Date: 10 February 2022. http://m.news.cn/2021-12/02/c_1128125580.htm

²²¹² China Aims High in Agricultural Sci-tech Innovation, Xinhuanet (Beijing) 13 January 2022. Access Date: 10 February 2022. http://english.www.gov.cn/news/topnews/202201/13/content_WS61df62f6c6d09c94e48a38b4.html

²²¹³ China Strives to Make Food System Greener, More Sustainable, Xinhuanet (Beijing) 20 January 2022. Access Date: 10 February 2022. http://english.www.gov.cn/statecouncil/ministries/202201/20/content_WS61e93f8bc6d09c94e48a3ffe.html

²²¹⁴ Ministry of Agriculture and Rural Affairs: Build 1,000 National-Level Ecological Farms Across the Country by 2025, Xinhuanet (Beijing) 10 February 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <http://www.news.cn/food/20220210/9a5b33c0c5c9474ca23bb5c64bd43a5c/c.html>

²²¹⁵ Ministry of Agriculture and Rural Affairs: Build 1,000 National-Level Ecological Farms Across the Country by 2025, Xinhuanet (Beijing) 10 February 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <http://www.news.cn/food/20220210/9a5b33c0c5c9474ca23bb5c64bd43a5c/c.html>

No. 1 Document.²²¹⁶ The document proposes two bottom lines, three key points and one reinforcement that ensures national food security and a stable economic environment while seeking improvement in rural revitalization. Tang explains that the priority for 2022's Central Document No.1 is grain production and supply of significant agricultural products and regional agricultural structure adjustment and arable land protection.

China has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by investing in ecologically efficient projects, resilient food systems by adjusting agricultural structure, agriculture innovation by promoting cooperation with partners overseas and increased access to finance through responsible investment in agriculture and food systems by supporting farmers in remote locations.

Thus, China receives a score of +1.

Analyst: Erica Chan

France: +1

France has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 4 and 5 November 2021, Minister of Agriculture and Food Julien Denormandie announced the launching of a new Seeding and plants plan at the Global Conference on Green Development of Seed Industries.²²¹⁷ The new plan is built around four working axes: diversity of varieties and species, high-quality food that is respectful of the environment, participatory initiatives and use of new techniques and scientific expertise serving public authorities and society.

On 11 November 2021, Minister of Higher Education, Research and Innovation Frédérique Vidal, Minister of Agriculture and Food Julien Denormandie, and Deputy Minister of Industry Agnès Pannier-Runacher announced that France would dedicate EUR877 million over the next 5 years to develop innovative solutions in service of the resiliency and competitiveness of the agricultural sector and agribusiness, and to conceptualize and deploy solutions for more sustainable and healthy eating.²²¹⁸

On 12 December 2021, the French Technical Center for the Preservation of Farm Produce, the Ministry of Agriculture and Food, and the French Federation of the Preserved Foods Industry signed a new performance and objectives contract which states the Center's goals for the next four years.²²¹⁹ The contract is built around

²²¹⁶ Promoting new progress in comprehensively promoting rural revitalization - Tang Renjian, Director of the Central Agricultural Office and Minister of the Ministry of Agriculture and Rural Affairs, Interprets the 2022 Central No. 1 Document, Xinhuanet (Beijing) 22 February 2022. Translation provided by Google Translate. Access Date 17 May 2022. http://www.news.cn/2022-02/22/c_1128407057.htm

²²¹⁷ Launching of the new Seeding and plants plan for a sustainable agriculture: a new version of the agroecology system plan, adaptation to climate change and food sovereignty, Ministry of Agriculture and Food (Paris) 11 November 2021. Translation provided by Analyst. Access date: 10 February 2022. <https://agriculture.gouv.fr/lancement-du-nouveau-plan-semences-et-plants-pour-une-agriculture-durable>

²²¹⁸ Investing in the future | Close to 880 million of Euros for the third agricultural and healthy food revolution, French Government (Paris) 11 November 2021. Translation provided by Analyst. Access date: 10 February 2022.

²²¹⁹ Agribusiness: a new 2021-2024 objectives and performance contract for the CTCPA, Ministry of Agriculture and Food (Paris) 9 December 2021. Translation provided by Analyst. Access date: 10 February 2022. <https://agriculture.gouv.fr/agroalimentaire-un-nouveau-contrat-dobjectifs-et-de-performance-2021-2024-pour-le-ctcpa>

five strategic axes, including supporting the agribusinesses in their ecological and energetic transition and ensuring food safety and quality.

On 21 December 2021, the French government announced that it was going to extend its 2018 suspension of goods containing the E171 additive to another year, starting 1 January 2022.²²²⁰ As a reminder, on 6 May 2021 the European Food Safety Authority had stated that the E171 could no longer be considered safe due to its damaging properties for consumers' genetic material.²²²¹

On 5 January 2022, the French Ministry of Agriculture and Food announced that it was recruiting public veterinary health inspectors to, among other duties, conceptualize, execute and assess public policies on matters of food security and quality.²²²²

On 12 January 2021, the Ministry of Agriculture and Food together with the Chambers of Agriculture launched "fraisetlocal.fr," a new platform enabling consumers to find local food producers close to home.²²²³

On 27 January 2022, the French government announced that starting 1 March 2022, the food service industry will have to abide by a new labelling system disclosing the country of origin of meats served in restaurants and other catering businesses.²²²⁴ Labels will also need to disclose the condition of the meat being served (fresh, refrigerated, frozen or deep-frozen). This decree seeks to address consumer expectations pertaining to food transparency and traceability, and for consumers to be able to make better-informed choices when it comes to their food consumption habits.

On 31 January 2022, Minister of Agriculture and Food Julien Denormandie brought together the French pork industry and agricultural banks to create a roadmap to support the pork industry as it faces several crises such as the African swine fever affecting feral pigs in Europe or inflation on agricultural raw materials used for pet food.²²²⁵

On 1 February 2022, Prime Minister Jean Castex concluded the agricultural Varenne on water and adaptation to climate change together with Minister of Agriculture and Food Julien Denormandie and Secretary of State in charge of biodiversity Bérandère Abba.²²²⁶ Castex's intervention was preceded by a presentation on the progress made by three working groups tasked by President Emmanuel Macron in May 2021 to create an operational roadmap on matters of water management and adaptation to climate change.

²²²⁰ No to titanium dioxide in food, French Government (Paris) 7 January 2022. Translation provided by Analyst. Access date: 10 February 2022. <https://www.gouvernement.fr/non-au-dioxyde-de-titane-dans-les-aliments>

²²²¹ 21 December 2021 decree on the suspension of the placing on the market of goods containing the E 171 additive (titanium dioxide - TiO₂), French Republic (Paris) 21 December 2021. Translation provided by Analyst. Access date: 10 February 2022. <https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000044791848>

²²²² The Ministry of Agriculture and Food is recruiting public veterinary health inspectors, Ministry of Agriculture and Food (Paris) 5 January 2022. Translation provided by Analyst. Access Date: 10 February 2022. <https://agriculture.gouv.fr/le-ministere-de-lagriculture-et-de-lalimentation-recrute-des-inspecteurs-de-sante-publique>

²²²³ Launching of the freshandlocal.fr platform, to find fresh and local produce for sale near home, Ministry of Agriculture and Food (Paris) 12 December 2021. Translation provided by Analyst. Access Date: 10 February 2022. <https://agriculture.gouv.fr/la-plateforme-fraisetlocalfr-pour-trouver-des-produits-en-vente-directe-pres-de-chez-vous>

²²²⁴ Origins of meats served in the foodservice industry: published decree reinforcing consumers' information, Ministry of Agriculture and Food (Paris) 28 January 2022. Translation provided by Analyst. Access Date: 10 February 2022. <https://agriculture.gouv.fr/origine-des-viandes-servies-dans-la-restauration-un-decret-renforçant-linformation-des-consommateurs>

²²²⁵ Minister Julien Denormandie announces a plan for the safeguarding of the pork industry in the face of a historical crisis, Ministry of Agriculture and Food (Paris) 31 January 2022. Translation provided by Analyst. Access Date: 10 February 2022. <https://agriculture.gouv.fr/julien-denormandie-annonce-un-plan-de-sauvegarde-de-la-filiere-porcine-face-une-crise-historique>

²²²⁶ Conclusions of the agricultural Varenne on water and adaptation to climate change, Ministry of Agriculture and Food (Paris). Translation provided by Analyst. Access Date: 10 February 2022. <https://agriculture.gouv.fr/conclusions-du-varenne-agricole-de-leau-et-de-ladaptation-au-changement-climatique>

On 7 February 2022, Minister Denormandie met with other European Union members to discuss climate-friendly agriculture and forestry models.²²²⁷ At this meeting, France brought forward its approach to make use of a carbon diagnosis scheme and low-carbon fuel.

On 21 February 2022, Minister Denormandie announced that France will ban the importing and selling of meats and produce made with animals having received antibiotics.²²²⁸ Starting on 22 April 2022, French importers will thus be required to collect certificates of compliance from their suppliers.

On 28 February 2022, Minister Denormandie and Industry Deputy Minister Agnès Pannier-Runacher signed an agrifood system strategic agreement, together with representatives from French agrifood businesses and labor unions²²²⁹. The goal of this agreement is to encourage the expansion of France's agrifood industries in order to promote competition, sustainability and job creation.

On 3 March 2022, Director General of Food Bruno Ferreira and Deputy Director General of Health Grégory Emery signed a voluntary collective agreement to reduce salt content in bread by 10 per cent in the next four years.²²³⁰ Signed with actors from the bakery industry as part of the 2019-2023 National Food and Nutrition Plan, the goal of the agreement is to lower salt content in various types of bread in stores and bakeries in order to promote better diets.

On 11 March 2022, the G7 agricultural ministers, including delegation from France, met in Berlin.²²³¹ They discussed global concerns regarding food insecurity and agriculture. One of the most prominently discussed issues were the facilitation of harvest in affected areas in the Ukraine due to their ongoing food crisis, in an effort to provide access to “sufficient, safe, affordable and nutritious food.”

On 23 March 2022, the Ministry of Agriculture and Food announced a plan to engage the mobilization of fallowland in France in order to increase production.²²³² The decision was made in light of Russia's invasion of Ukraine and its resulting tensions on the markets. The goal is to contribute to the securing of French and European supplies towards both human and animal food as well as global food stability.

On 24 March 2022, President Emmanuel Macron announced the launch of an international initiative called the Food & Agriculture Resilience Mission (FARM), together with members of the G7, the European Union and the African Union.²²³³ FARM seeks to prevent negative consequences of Russia's invasion of Ukraine with regards to global food safety. The initiative rests upon three pillars: a commercial pillar to appease tensions on agricultural markets, a solidarity pillar to support Ukrainian agricultural capabilities, and a production pillar to sustainably strengthen the agricultural capabilities of countries most affected by the conflict.

²²²⁷ Informal Meeting of Agriculture Ministers, French Presidency of the Council of the European Union (Paris) 8 February 2022. Access Date: 10 February 2022. <https://presidence-francaise.consilium.europa.eu/en/news/press-release-informal-meeting-of-agriculture-ministers>

²²²⁸ Import of meats made with antibiotics banned starting April 2022, Public Service (Paris) 18 March 2022. Translation provided by Analyst. Access Date: 13 May 2022. <https://www.service-public.fr/particuliers/actualites/A15533>

²²²⁹ Agrifood industries: an ambitious roadmap for innovation, digitization and investing, Ministry of Agriculture and Food (Paris) 28 February 2022. Translation provided by Analyst. Access Date: 12 May 2022. <https://agriculture.gouv.fr/industries-agroalimentaires-une-feuille-de-route-ambitieuse-pour-linnovation-la-numerisation-et>

²²³⁰ Salt reduction in our diet: towards a salt decrease in bread thanks to bakery industry actors, Ministry of Solidarity and Health (Paris) 3 March 2022. Translation provided by Analyst. Access Date: 12 May 2022. <https://solidarites-sante.gouv.fr/actualites/presse/communiqués-de-presse/article/reduction-du-sel-dans-notre-alimentation-vers-une-diminution-du-sel-dans-le>

²²³¹ G7 Extraordinary Agriculture Ministers' Meeting, Agriculture and Agri-Food (Berlin) 11 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/03/g7-extraordinary-agriculture-ministers-meeting.html>

²²³² World food safety: mobilization of fallowland for the 2022 campaign, Ministry of Agriculture and Food (Paris) 31 March 2022. Translation provided by Analyst. Access Date: 12 May 2022. <https://agriculture.gouv.fr/securite-alimentaire-mondiale-mobilisation-des-jacheres-pour-la-campagne-2022>

²²³³ Food safety: implementation of the FARM initiative, Ministry of Agriculture and Food (Paris) 4 May 2022. Translation provided by Analyst. Access Date: 12 May 2022. <https://agriculture.gouv.fr/securite-alimentaire-mise-en-oeuvre-de-linitiative-farm>

On 27 May 2022, French Prime Minister Elisabeth Borne announced at EUR400 million in financial aid to French farmers affected by a drought and water shortages.²²³⁴ The financial aid will help farmers specifically with purchasing animal feed.

On 30 May 2022, Minister of Agriculture and Food Sovereignty Marc Fesneau launched a financial aid system to help farmers purchase animal feed.²²³⁵ The war in Ukraine alongside a drought in France has made it difficult for farmers to acquire raw agricultural materials which are used to feed animals. The first part of this financial aid system is worth EUR308.5 million and can possibly benefit more than 100,000 farmers.

On 6 June 2022, the 7th France-Japan Agricultural Policy Working Group was held in France.²²³⁶ At this session, representatives from both Japan and France reaffirmed the importance of sustainable food systems.

France has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by facilitating ecological and energetic transitions, resilient food systems by enhancing food security, agriculture innovation by encouraging the incorporation of new techniques and increased access to finance through responsible investment in agriculture by enhancing coordination between consumers and local food producers.

Thus, France receives a score of +1.

Analyst: Clémentine Benoit

Germany: +1

Germany has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 14 December 2021, Minister of Food and Agriculture Julia Klöckner negotiated a significant reduction in herring fishing quotas in the North Sea, allowing for a recovery of herring stocks in the western Baltic Sea.²²³⁷ Federal Fisheries Minister Cem Özdemir celebrated the sustainable policy change, stating “our fishermen only have long-term prospects if fish stocks are able to grow back and regenerate.”

On 21 January 2022, newly appointed Minister of Food and Agriculture Cem Özdemir announced a EUR816 million agriculture investment package destined to select businesses who contribute to sustainable agriculture through modern machines or structural innovations.²²³⁸ This investment package will help to increase modern and sustainable agricultural production.

²²³⁴ French government rolls out financial aid for farmers hit by drought, RFI (Paris) 27 May 2022. Access Date: 11 June 2022. <https://www.rfi.fr/en/france/20220527-french-government-rolls-out-financial-aid-for-farmers-hit-by-drought>

²²³⁵ Resilience plan: The opening of the first window to support breeders facing the effects of the conflict in Ukraine, Ministry of Agriculture and Food (Montreuil) 30 May 2022. Translation provided by Analyst. Access Date: 11 June 2022. <https://agriculture.gouv.fr/plan-de-resilience-ouverture-du-premier-guichet-pour-soutenir-les-eleveurs-face-aux-effets-du>

²²³⁶ Confirmed strengthening of cooperation in the fields of agriculture and food industry between Japan and France, Ministry of Agriculture, Forestry and Fisheries (Tokyo) 6 June 2022. Translation provided by Google Translate. Access Date: 12 June 2022. https://www.maff.go.jp/j/press/yusyutu_kokusai/chiiki/220606.html

²²³⁷ Catch quotas for 2022 for the North Sea and Atlantic decided, Federal Ministry of Food and Agriculture (Berlin) 14 December 2021. Translation provided by Google Translate. Access Date: 7 January 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2021/181-fangquoten.html>

²²³⁸ The agricultural investment program will be continued, Federal Ministry of Food and Agriculture (Berlin) 21 January 2022. Translation provided by Google Translate. Access Date: 30 January 2022.

<https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/07-fortsetzung-investitionsprogramm-landwirtschaft.html>

On 25 January 2022, Development Minister Svenja Schulze met with Head of the World Food Programme David Beasley in which they outlined their two agencies' cooperation in combating hunger.²²³⁹ Specifically, the Ministry for International Cooperation and Development provided EUR476 million to strengthen hunger resilience in the Sahel, the Horn of Africa, Central Africa, and the Middle East and North Africa region.

On 28 January 2022, Minister Özdemir hosted the 14th Berlin Conference of Agriculture Ministers within the Global Forum for Food and Agriculture.²²⁴⁰ The conference resulted in a joint declaration that recognized the importance of healthy soil for food security. Minister Özdemir declared that “healthy soil is our ally in the fight against world hunger...we must act now - and we must act together globally.”

On 31 January 2022, Minister Özdemir announced a EUR2.9 million funding package to four companies specializing in agricultural innovation.²²⁴¹ Minister Özdemir stated “Tablets, robots and satellite-supported navigation systems not only make the industry more resource-efficient, but also make it an attractive professional field.”

On 21 February 2022, Minister Özdemir announced the advancement of the implementation of the Common Agricultural Policy (CAP) of the European Union, particularly concerning organic farming practices.²²⁴² The CAP allocates EUR30 billion to Germany from 2023 to 2027, which will be allocated to sustainable agriculture development, water resource protection and organic farming.

On 11 March 2022, the G7 agricultural ministers, including delegation from Germany, met in Berlin.²²⁴³ They discussed global concerns regarding food insecurity and agriculture. One of the most prominently discussed issues were the facilitation of harvest in affected areas in the Ukraine due to their ongoing food crisis, in an effort to provide access to “sufficient, safe, affordable and nutritious food.”

On 21 March 2022, Parliamentary State Secretary of the Ministry for Economic Cooperation and Development Jochen Flasbarth participated in the commencement event of the World Water Forum in Senegal, expressing Germany's commitment to ensuring Sustainable Development Goal 6 through its implementation of water and sanitation projects in more than 50 countries.²²⁴⁴

On 23 March 2022, Minister Özdemir hosted a meeting with the Future Commission of Agriculture to discuss the impact of the invasion of Ukraine on agricultural sustainability goals.²²⁴⁵ In the session, Minister Özdemir affirmed Germany's commitment to facilitating a transition to a sustainable and resilient food system.

²²³⁹ Schulze: Germany is firmly on the side of the World Food Program in the fight against hunger in the world, Federal Ministry for Economic Cooperation and Development (Berlin) 25 January 2022. Translation provided by Google Translate. Access Date: 30 January 2022. <https://www.bmz.de/de/aktuelles/aktuelle-meldungen/schulze-deutschland-an-der-der-seite-wfp-im-kampf-gegen-hunger-103026>

²²⁴⁰ Strong in the fight against hunger, climate crisis and species extinction with healthy soil, Federal Ministry of Food and Agriculture (Berlin) 28 January 2022. Translation provided by Google Translate. Access Date: 30 January 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/12-gffa-agra-ministerkonferenz-2022.html>

²²⁴¹ Özdemir: Our agriculture is tablet and tractor, satellite and silage, Federal Ministry of Food and Agriculture (Berlin) 31 January 2022. Translation provided by Google Translate. Access Date: 2 February 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/14-start-ups-bm.html>

²²⁴² Özdemir: There is more focus on promoting organic farming, Federal Ministry of Food and Agriculture (Berlin) 21 February 2022. Translation provided by Google Translate. Access Date: 13 March 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/21-gap-strategieplan.html>

²²⁴³ G7 Extraordinary Agriculture Ministers' Meeting, Agriculture and Agri-Food (Berlin) 11 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/03/g7-extraordinary-agriculture-ministers-meeting.html>

²²⁴⁴ World Water Forum and development policy reform dialogue, Federal Ministry for Economic Cooperation and Development (Berlin) 21 March 2022. Translation provided by Google Translate. Access Date: 16 April 2022. <https://www.bmz.de/de/aktuelles/aktuelle-meldungen/senegal-reise-von-staatssekretaer-flasbarth-105878>

²²⁴⁵ Özdemir meets ZKL: Sticking to sustainability goals for agriculture, Federal Ministry of Food and Agriculture (Berlin) 23 March 2022. Translation provided by Google Translate. Access Date: 16 April 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/36-oezdemir-zkl-treffen.html>

On 25 March 2022, the Ministry of Food and Agriculture announced funding for two new research projects aimed to innovate reliable soil use in the agricultural adaptation to the climate crisis.²²⁴⁶

On 20 April 2022, Minister of Development Svenja Schulze expressed her desire to create an alliance to ensure global food security in the wake of the invasion of Ukraine.²²⁴⁷ The German government will submit the proposal to the World Bank Conference in Washington, DC in the following week.

On 25 April 2022, Minister Schulze pledged EUR10 million in World Food Programme funds to Lebanon in a state trip to Beirut.²²⁴⁸ Minister Schulze reiterated Germany's commitment to establish an international alliance for global food security.

On 26 April 2022, Minister Özdemir hosted the commencement of the Anuga FoodTec trade fair in Cologne.²²⁴⁹ Minister Özdemir called for a surge in agricultural innovation to generate “a change towards closed cycles and sustainable production.”

On 3 May 2022, the Parliamentary State Secretary of the Ministry of Food and Agriculture Manuela Rottmann met with fellow state secretaries at Klein & Groß daycare center in Brandenburg to discuss healthy and sustainable nutrition for children.²²⁵⁰ Secretary Rottmann urged daycare centers around the country to ensure they are implementing the ecological and sustainable quality standards of the German Society for Nutrition.

On 9 May 2022, the Ministry of Food and Agriculture announced the possibility for small- and medium-sized agricultural enterprises to apply for low-interest liquidity guarantee loans to finance additional capital and expenses generated from the Ukrainian agricultural shortage.²²⁵¹

On 10 May 2022, Parliamentary State Secretary of the Ministry for Economic Cooperation and Development Jochen Flasbarth led Germany's delegation to the 15th World Soil Conference in Côte d'Ivoire.²²⁵² Secretary Flasbarth expressed Germany's interest in removing legal barriers to sustainable land use and to secure land rights for the preservation of fertile soils.

²²⁴⁶ Expanding the carbon storage potential in the soil: looking for new climate protection projects in land use, Federal Ministry of Food and Agriculture (Berlin) 25 March 2022. Translation provided by Google Translate. Access Date: 16 April 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/37-kohlenstoffspeicher.html>

²²⁴⁷ Schulze wants to forge an alliance for global food security, Federal Ministry for Economic Cooperation and Development (Berlin) 20 April 2022. Translation provided by Google Translate. Access Date: 13 May 2022. <https://www.bmz.de/de/aktuelles/aktuelle-meldungen/schulze-will-buendnis-fuer-globale-ernaehrungssicherheit-107742>

²²⁴⁸ Schulze in Beirut: The work of the World Food Programme is more important than ever, Federal Ministry for Economic Cooperation and Development (Berlin) 25 April 2022. Translation provided by Google Translate. Access Date: 13 May 2022. <https://www.bmz.de/de/aktuelles/aktuelle-meldungen/schulze-in-beirut-arbeit-des-wfp-wichtiger-denn-je-108024>

²²⁴⁹ Özdemir: Driving innovation and smart ideas, Federal Ministry of Food and Agriculture (Berlin) 26 April 2022. Translation provided by Google Translate. Access Date: 13 May 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/48-oezdemir-anuga.html>

²²⁵⁰ Nursery catering day: Focus on healthy and sustainable nutrition, Federal Ministry of Food and Agriculture (Berlin) 3 May 2022. Translation provided by Google Translate. Access Date: 13 May 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/53-tag-der-kitaverpfelegung.html>

²²⁵¹ Effects of the Ukraine war - support for agriculture through liquidity guarantee loans, Federal Ministry of Food and Agriculture (Berlin) 9 May 2022. Translation provided by Google Translate. Access Date: 13 May 2022. <https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/55-landwirtschaft-liquidit%C3%A4tssicherungsdarlehen.html>

²²⁵² Soil protection is the basis for food security and climate change adaptation, Federal Ministry for Economic Cooperation and Development (Berlin) 10 May 2022. Translation provided by Google Translate. Access Date: 13 May 2022. <https://www.bmz.de/de/aktuelles/aktuelle-meldungen/weltbodenkonferenz-in-cote-divoire-108770>

On 12 May 2022, Minister of Food and Agriculture Cem Özdemir addressed the celebration of the first International Plant Health Day, stressing the Ministry's commitment to supporting research and development for protecting plant health in the face of climate change and the globalization of trade.²²⁵³

On 20 May 2022, Minister of Food and Agriculture Cem Özdemir spoke on World Bee Day regarding Germany's commitments to food security through bee species protection.²²⁵⁴ Minister Özdemir announced the creation of the Joint Task Force of Improvement of Agricultural Structures and Coastal Protection (GAK), through which companies can receive funding for establishing flowering areas for bees and other pollinating insects. The Ministry also expressed goals to further reduce the use of pesticides and increase the national share of organic farming to 30 per cent.

On 23 May 2022, Minister Özdemir highlighted the importance of addressing the global food security crisis alongside the ongoing mass extinction and the climate crisis.²²⁵⁵ Minister Özdemir said that "it is not the measures for climate protection and species protection that threaten food security, but the climate crisis and the extinction of species themselves."

On 7 June 2022, German Federal Ministry of Food and Agriculture proposed plans to make animal husbandry labelling mandatory.²²⁵⁶ The Animal Husbandry Labelling Act would make it mandatory for certain food products to have labels with information about the farming method of the animals that are sold to the consumer as food. This act hopes to encourage more sustainable and ethical animal farming practices by producers.

Germany has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by expanding research on healthy soil practices, resilient food systems by negotiating fishing quotas in the North Sea, agriculture innovation through its domestic sponsoring packages for start-ups and increased access to finance through foreign investment in developing food systems.

Thus, Germany receives a score of +1.

Analyst: Timothy Tennant

India: 0

India has partially complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

²²⁵³ Özdemir on the first "International Plant Health Day," Federal Ministry of Food and Agriculture (Berlin) 12 May 2022. Translation provided by Google Translate. Access Date: 13 May 2022.
<https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/57-tag-der-pflanzengesundheit.html>

²²⁵⁴ Özdemir: Bees are important for our food systems, Federal Ministry of Food and Agriculture (Berlin) 19 May 2022. Translation provided by Google Translate. Access Date: 4 June 2022.
<https://www.bmel.de/SharedDocs/Pressemitteilungen/DE/2022/62-weltbienentag.html>

²²⁵⁵ Özdemir: Fight hunger, climate crisis and species extinction in a triad, Federal Ministry of Food and Agriculture (Berlin) 23 May 2022. Translation provided by Google Translate. Access Date: 4 June 2022.
<https://www.bmel.de/SharedDocs/Meldungen/DE/Presse/2022/220524-oezdemir-agrarrat.html>

²²⁵⁶ Animal husbandry labeling - key points presented, Federal Ministry of Food and Agriculture (Berlin) 9 June 2022. Translation provided by Google Translate. Access Date: 12 June 2022.
<https://www.bmel.de/DE/themen/tiere/tierschutz/tierhaltungskennzeichnung/tierhaltungskennzeichnung.html>

On 24 May 2022, an initiative for climate change was announced by the “Quad countries:” Japan, India, Australia and the United States.²²⁵⁷ This initiative in part addresses promoting sustainable agricultural endeavors as well as promoting food security.

India has partially complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by studying clean energy and resilient food systems by collaborating with partners overseas. However, its lack of progress in promoting innovative technology and increasing access to finance through responsible investment in agriculture and food systems equates a partial compliance with its commitment.

Thus, India receives a score of 0.²²⁵⁸

Analyst: Tisya Raina

Indonesia: +1

Indonesia has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 11 January 2022, Minister of Agriculture Syahrul Yasin Limpo announced the IP 400 Planting Acceleration Program which ensures sustainable and resilient food supplies under climate change anomalies.²²⁵⁹ SYL explained the plan as a modern method of four planting times a year to achieve and strengthen rice self-sufficiency. Regent of Klaten Sri Mulanyi supported the program and projected a 1000 ha’ IP 400 rice-covering in 2022. Director General of Food Crops Suwandi added that the program includes a replacement of outside seeding with culik, dapog or tray system, agricultural mechanization, reduction of chemical fertilizers, the updated cropping pattern, rotation of water usage on agricultural activities and implementation of integrated farming towards zero waste.

On 25 January 2022, the Government of Indonesia received Australian Minister for Agriculture and Northern Australia David Littleproud on a visit to strengthen regional partnership in agricultural trade and relations.²²⁶⁰ Three days later, the two countries signed the Indonesia-Australia Memorandum of Understanding on Agricultural Cooperation, which aims to “facilitate mutually beneficial trade” and contains taskforces focusing on “livestock and animal products, crop and plant products, modern systems and processes, as well as agriculture research and education” to help build resilient food systems and promote agriculture innovation.²²⁶¹

On 25 January 2022, Minister Limpo proposed the ToT smart farming plan across the country to increase competence of agricultural human resources to boost productivity, high-value agricultural production and

²²⁵⁷ Quad Cooperation in Climate Change and launch of the Quad Climate Change Adaptation and Mitigation Package (Q-CHAMP) Ministry of Foreign Affairs (Tokyo) 24 May 2022. Access Date: 4 June 2022. <https://www.mofa.go.jp/files/100348057.pdf>

²²⁵⁸ This score of non-compliance was determined after searching the following websites: pdsportal.nic.in, <https://www.india.gov.in/>, <https://services.india.gov.in/>, <https://nfsa.gov.in/>, <https://farmer.gov.in/>, <https://economictimes.indiatimes.com/>, <http://www.agriculture.gov.in/>, <https://agricoop.nic.in/en/farming-agreement>, <https://agricoop.nic.in/sites/default/files/ATMA-Guidelines%202018.pdf>, <http://www.caa.gov.in/>, <http://agmarknet.gov.in/>, <https://midh.gov.in/>, <https://nbb.gov.in/default.html>, <https://agricoop.nic.in/sites/default/files/FINALSchemeGuidelinesAIF%20%282%29.pdf>

²²⁵⁹ Minister of Agriculture SYL in 2022 Boost Rice Production Through Accelerated Planting and IP 400, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 11 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5097>

²²⁶⁰ Strengthening our agricultural partnership with Indonesia, Australian Government (Canberra) 27 January 2022. Access Date: 26 February 2022. <https://minister.awe.gov.au/littleproud/media-releases/strengthening-our-agricultural-partnership-with-Indonesia>

²²⁶¹ Indonesia-Australia MoU on Agricultural Cooperation signed, Australian Government (Canberra) 28 January 2022. Access Date: 26 February 2022. <https://minister.awe.gov.au/littleproud/media-releases/Indonesia-Australia-MoU-on-Agricultural-Cooperation>

increase crop yields in quantity and quality.²²⁶² Head of the Agricultural Human Resources Extension and Development Agency Dedi Nursyamsi mentioned that smart farming is an adaptive response to future's population growth and land shrinkage due to technological development.²²⁶³ The plan includes the use of biotechnology products such as balanced fertilization, agricultural automation and high-yielding varieties to make Indonesia's agricultural production more effective and sustainable.²²⁶⁴

On 27 January 2022, Minister Limpo concluded his meeting with Minister of Agriculture and Water for Northern Australia David Littleproud. The Minister announced that Indonesia's cooperation with Australia will involve economic collaboration in the strengthening of the livestock and animal products sub sector.²²⁶⁵ He indicated three significant commitments of this cooperation: availability and stabilization of the meat supply and importation in Indonesia, agricultural investment from both countries, and education and work opportunities of young farmers to maintain a balance in agricultural production.²²⁶⁶

On 27 January 2022, Minister Limpo announced the goal of creating a sustainable and resilient agriculture system in dealing with different crises such as poverty and hunger.²²⁶⁷ He stressed food security as one of Indonesia's main focuses in the future and said that: "The G20 presidential working group on agriculture must identify three main issues, namely building a resilient and sustainable food system, promoting an open food trade and thirdly encouraging innovative agricultural businesses through digital agriculture." As emphasized in the speech, the agricultural working group will conduct research on ways to develop a sustainable agricultural system in using modern methods. Minister Limpo expressed his optimism towards new agricultural innovations, institutions and breakthroughs with the help of the working group.²²⁶⁸

On 31 January 2022, Minister Limpo announced the implementation of the 2022 Agricultural Development policy which includes five programs: Quality Food Availability, Access and Consumption Programs, Industrial Value Added and Competitiveness Program, Science and Technology Research and Innovation Program, Vocational Education and Training Programs and Manage Support Program.²²⁶⁹ The Minister explained that these programs will be funded and facilitated through KUR funds in the agricultural sector to ensure a boost in food production, agricultural competitiveness and performance.

²²⁶² The Ministry of Agriculture Accelerates the Implementation of Smart Farming to Boost Production and Exports, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 25 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5111>

²²⁶³ The Ministry of Agriculture Accelerates the Implementation of Smart Farming to Boost Production and Exports, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 25 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5111>

²²⁶⁴ The Ministry of Agriculture Accelerates the Implementation of Smart Farming to Boost Production and Exports, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 25 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5111>

²²⁶⁵ The Minister of Agriculture of the Republic of Indonesia and the Minister of Agriculture of Australia Discussed Three Important Things, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 27 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5117>

²²⁶⁶ The Minister of Agriculture of the Republic of Indonesia and the Minister of Agriculture of Australia Discussed Three Important Things, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 27 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5117>

²²⁶⁷ AWG G20 Kick-off, Indonesian Minister of Agriculture Invites World Countries to Build Sustainable Agriculture, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 27 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5118>

²²⁶⁸ Minister of Agriculture SYL Emphasizes the Role of Research for Agricultural Advancement, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 28 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5120>

²²⁶⁹ Ministry of Agriculture Targets KUR Funds to Boost Agricultural Performance in 2022, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 31 January 2022. Translation provided by Google Translate. Access Date: 10 February 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5122>

On 30 March 2022, Secretary General of the Ministry of Agriculture Kasdi Subagyono emphasized the significance of open access to world food and agripreneurship innovation through digital agriculture at the G20 deputy agriculture meeting.²²⁷⁰ Subagyono explained his use of the term “open access” as “no borders from any country which led to an interchange and share of production with countries that lack.” Subagyono also indicated the goal to anticipate and adapt to global warming by sustainable cropping patterns and developing agriculture.

On 23 May 2022, Director of Plantation Seeds, Directorate General of Plantations, Ministry of Agriculture M. Saleh Mokhtar announced the progress of seed DNA tests on plantation plants.²²⁷¹ According to Mokhtar, the seed DNA test will provide planters with superior seeds for crops, smoothen the planting process and increase the rate of success in harvesting plantation crops. With an umbrella of new regulations and laws, Mokhtar expressed his hopes for the project’s positive benefits that smallholders of agricultural lands will receive.

On 30 May 2022, Inspector General of the Ministry of Agriculture Jan Samuel Maringka demanded his staff to strengthen national agricultural development guarding through the synergy of the government’s internal supervisory apparatus (APIP) with law enforcement officers (APH).²²⁷² According to Maringka, although the agricultural sector has become strategic and can support the national economy positively, the strengthening has to be carried out to realize food sovereignty through timely, quality and targeted control functions. Maringka proposes a strengthening plan to build synergy between APIP and APH to create a secured, advanced and independent modern agricultural development with refocused supervision. Maringka also indicated that the refocus is not only limited to a budget but also on faster performance and a more accurate reporting system to fight against the pandemic and climate change.

On 8 June 2022, Indonesian Ministry of Agriculture encouraged the digitalization of the agricultural sector to help bolster food security at the 20th Focal Point for Cooperation in the Agriculture and Food Security Information System (AFSIS) session.²²⁷³ Head of the Indonesian AFSIS Delegation, Anna Astrid, explained how Indonesia adopted information and communication technologies that are useful in agricultural development, further increasing the capabilities of farmers.

Indonesia has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by investing in green agricultural projects, resilient food systems by promoting flexible agricultural production, agriculture innovation by adjusting planting time and seed distribution and increase access to finance through responsible investment in agriculture and food systems by supporting smallholders of agricultural land.

Thus, Indonesia receives a score of +1.

Analyst: Erica Chan

²²⁷⁰ Ministry of Agriculture Emphasizes the Importance of Open Food Access for the Whole World at the G20 Forum, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 6 May 2022. Translation provided by Google Translate. Access Date: 17 May 2022. <https://pertanian.go.id/home/?show=news&act=view&id=5192>

²²⁷¹ Seed DNA Test on Plantation Plants Is Done So that Planters Receive Quality Seed, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 23 May 2022. Translation provided by Google Translate. Access Date: 5 June 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5291>

²²⁷² Protect National Food With Internal Control System, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 30 May 2022. Translation provided by Google Translate. Access Date: 5 June 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5296>

²²⁷³ 20th AFSIS Session, Ministry of Agriculture Promotes Digitization of the Agricultural Sector to Strengthen Food Security, Ministry of Agriculture of the Republic of Indonesia (Jakarta) 8 June 2022. Translation provided by Google Translate. Access Date: 12 June 2022. <https://www.pertanian.go.id/home/?show=news&act=view&id=5302>

Italy: +1

Italy has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 4 November 2021, Minister of Agriculture Stefano Patuanelli announced a EUR300 million package for the recovery of the olive industry in Apulia following a Xylella bacterial outbreak.²²⁷⁴ The package directly allocated EUR120 million in income support to agricultural enterprises and EUR25 million to the diversification of Xylella-resistant crops in the region.

On 18 November 2021, the Ministry of Agriculture activated the Innovation Solutions in the Fish Sector online portal.²²⁷⁵ The new initiative aims to promote knowledge sharing of innovative practices among the aquaculture and fishing communities.

On 23 November 2021, Minister Patuanelli granted EUR30 million to the olive industry, with the intention of modernization and investment in new plants.²²⁷⁶ Priority funding is allocated to areas in need of improvements in irrigation management.

On 16 December 2021, the Ministry of Agriculture announced a EUR10 million package to support the pig sector, with EUR6 million guaranteed to improve livestock sustainability.²²⁷⁷ The ministry allocated a further EUR10 million to entrepreneurial and research activities within the beekeeping, hemp and nuts sector.

On 30 December 2021, the Italian government released a EUR2 billion package for agricultural enhancement, focused on risk management and the fortification of fishing, agricultural and aquaculture supply chains.²²⁷⁸ Minister of Agriculture Stefano Patuanelli stated the package aims to advance Italy's "ecological, environmental and social transition."

On 7 January 2022, the Ministry of Agriculture announced the National Strategic Plan for the implementation of the Common Agricultural Policy of the European Union, with the objective of boosting sustainable competitiveness and innovation in the agricultural sector.²²⁷⁹ The comprehensive plan includes EUR10 billion to support sustainable agricultural activity among farmers and a further EUR4.3 billion for organic farming and microbial resistance.

²²⁷⁴ In the Senate, information from Minister Stefano Patuanelli on the fight against Xylella and support for the animal husbandry sector, Ministry of Agricultural, Food and Forestry Policies (Rome) 4 November 2021. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17499>

²²⁷⁵ The SiSi Portal - Innovative Solutions in the Fish Sector is online, Ministry of Agricultural, Food and Forestry Policies (Rome) 18 November 2021. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17542>

²²⁷⁶ Minister Patuanelli signed a decree in support of the eco-sustainable transition of the olive-oil supply chain, Ministry of Agricultural, Food and Forestry Policies (Rome) 23 November 2021. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17553>

²²⁷⁷ Provisions on supply chains, national solidarity fund, payments and agri-food planning approved in the State-Regions Conference, Ministry of Agriculture, Food and Forestry Policies (Rome) 16 December 2021. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17660>

²²⁷⁸ Budget law: over 2 million euros for agriculture, fishing and agri-food, Ministry of Agricultural, Food and Forestry Policies (Rome) 30 December 2021. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17528>

²²⁷⁹ The National Strategic Plan of the new CAP was presented to the EU by Minister Stefano Patuanelli, Ministry of Agricultural, Food and Forestry Policies (Rome) 7 January 2022. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17717>

On 11 February 2022, Minister Patuanelli attended the National Conference on Risk Management in Agriculture to discuss the vulnerability of Italian farmers to climatic events.²²⁸⁰ Minister Patuanelli announced that EUR700 million would be allocated to financially secure farmers in the agri-food industry during the sustainable transition.

On 11 March 2022, Minister Patuanelli participated in the G7 Agricultural Summit to address global challenges to food security resulting from the invasion of Ukraine.²²⁸¹ Minister Patuanelli expressed his support for a global assessment of countries most vulnerable to food shortages and for cooperation through the World Food Programme and the United Nations Food and Agriculture Organization to address the challenge.²²⁸²

On 16 March 2022, Minister Patuanelli announced EUR20 million in funding for the fish and aquaculture sectors, as well as the approval of the Agricultural Risk Management Plan for 2022.²²⁸³ The plan includes financial resources to form a safety net around Italian farmers from catastrophic agricultural events.

On 29 April 2022, the Ministry of Agriculture reached a financial accord with the Italian regional governments on a support strategy for agricultural enterprises and initiatives.²²⁸⁴ The decree's goal is to "promote the biological and ecological conversion of the agri-food sector, develop integration between the players in the supply chain and ensure positive effects on the local economy."

On 4 May 2022, Minister Patuanelli attended the MacFrut 2022 Conference in Rimini to discuss challenges in global security, calling for European unity in tackling the agricultural crisis.²²⁸⁵ Minister Patuanelli called for sustainable agricultural policies and particular focus on food access in the poorest regions of the planet.

On 6 May 2022, the Ministry of Agriculture announced a EUR180 million loan package for small- and medium-sized agricultural, fisheries and aquaculture enterprises to ease the burden of the Ukrainian food crisis on domestic farmers.²²⁸⁶

On 10 May 2022, Minister Patuanelli participated in a joint-enterprise conference on organic agriculture and spoke on the Italian government's commitment to increase the presence of organic products in the supply

²²⁸⁰ Minister Patuanelli spoke at the national conference on risk management in agriculture, Ministry of Agriculture, Food and Forestry Policies (Rome) 11 February 2022. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17820>

²²⁸¹ The repercussions on global agriculture of the Russia-Ukraine conflict at the center of the extraordinary G7 on Agriculture, Ministry of Agriculture, Food and Forestry Policies (Rome) 11 March 2022. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17920>

²²⁸² The repercussions on global agriculture of the Russia-Ukraine conflict at the center of the extraordinary G7 on Agriculture, Ministry of Agriculture, Food and Forestry Policies (Rome) 11 March 2022. Translation provided by Google Translate. Access Date: 12 March 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17920>

²²⁸³ At the start of CSR for 20 million euros to support the fishing supply chains, Agricultural Risk Management Plan 2022 and how to use the Fund for the implementation of the National Forest Strategy, Ministry of Agriculture, Food and Forestry Policies (Rome) 16 March 2022. Translation provided by Google Translate. Access Date: 14 April 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/17930>

²²⁸⁴ Agreement reached in the State-Regions Conference on biosecurity, poultry and biological measures, Ministry of Agriculture, Food and Forestry Policies (Rome) 29 April 2022. Translation provided by Google Translate. Access Date: 4 May 2022. https://www.politicheagricole.it/Conferenza_Regioni_biosicurezza_biologico

²²⁸⁵ Minister Stefano Patuanelli to MacFrut, sustainability and food safety the future of agriculture, Ministry of Agriculture, Food and Forestry Policies (Rome) 4 May 2022. Translation provided by Google Translate. Access Date: 6 May 2022. https://www.politicheagricole.it/MacFrut_Ministro_Patuanelli

²²⁸⁶ DI Aid: 180 million for small and medium-sized enterprises, 20 million fund refinanced and incentives for agrisolare, Ministry of Agriculture, Food and Forestry Policies (Rome) 6 May 2022. Translation provided by Google Translate. Access Date: 6 May 2022. https://www.politicheagricole.it/DI_Aiuti

chain.²²⁸⁷ Minister Patuanelli further expressed Italy's commitment to adhering to the Common Agricultural Policy of the European Union.

On 14 May 2022, Minister Patuanelli joined international counterparts at the G7 Agricultural Ministerial Meeting.²²⁸⁸ Minister Patuanelli announced EUR5 million in funding to the United Nations Food and Agriculture Organization to support global agricultural and food systems, as well as Ukraine's agricultural system.

On 14 May 2022, Minister of Foreign Affairs Luigi di Maio participated in the G7 Foreign Ministers Meeting and collaboratively affirmed Italy's commitment to global food security.²²⁸⁹ The joint communique addressed support for Ukraine's agricultural sector, the global transition to sustainable agriculture and food practices in line with Agenda 2030 for Sustainable Development, and for knowledge sharing among global communities to encourage best sustainable practices in agriculture.

On 18 May 2022, Foreign Minister Luigi Di Maio announced that Italy "will play its part" and announced a EUR 5 million grant for FAO's "Food Coalition."²²⁹⁰ This is in addition to EUR 10 million already allocated to the Food Coalition.

Italy has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has promoted sustainable food systems by encouraging knowledge sharing of best practices, resilient agricultural systems through plant diversification and improvement initiatives, agriculture innovation by promoting exchanges of innovative technologies and increased access to finance through loan and aid packages directed towards agricultural actors.

Thus, Italy receives a score of +1.

Analyst: Timothy Tennant

Japan: +1

Japan has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 18 November 2021, Prime Minister Fumio Kishida held a meeting to discuss issues and potential actions with the Headquarters on Creating Dynamism in Agriculture, Forestry and Fishery Industries and local communities.²²⁹¹ At this meeting, participants discussed various agricultural-related issues.

²²⁸⁷ Minister Patuanelli at the conference "It's time for BIO agriculture - A strategic resource to overcome crises", Ministry of Agriculture, Food and Forestry Policies (Rome) 10 May 2022. Translation provided by Google Translate. Access Date: 10 May 2022. https://www.politicheagricole.it/Patuanelli_Biologico_AgricolturaBio

²²⁸⁸ Minister Patuanelli at the G7 Agriculture on environmental safety and sustainability, Ministry of Agriculture, Food and Forestry Policies (Rome) 14 May 2022. Translation provided by Google Translate. Access Date: 14 May 2022. <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/18147>

²²⁸⁹ G7 Foreign Ministers - Commitments on the Global Food Security Consequences of Russia's War of Aggression against Ukraine, Ministry of Foreign Affairs and International Cooperation (Rome) 14 May 2022. Translation provided by Google Translate. Access Date: 14 May 2022. https://www.esteri.it/it/sala_stampa/archivionotizie/comunicati/2022/05/commitments-on-the-global-food-security-consequences-of-russias-war-of-aggression-against-ukraine/

²²⁹⁰ Di Maio at the UN on the current food crisis: "Stop the Wheat World War", ONU Italia (New York City) 18 May 2022. Access Date: 9 September 2022. <https://www.onuitalia.com/2022/05/18/di-maio-at-the-un-on-food-crisis-stop-the-wheat-world-war/>

²²⁹¹ Headquarters on Creating Dynamism in Agriculture, Forestry and Fishery Industries and Local Communities, Prime Minister and His Cabinet (Tokyo) 18 November 2021. Access Date: 21 January 2022. https://japan.kantei.go.jp/101_kishida/actions/202111/_00026.html

On 6 December 2021 the Science and Technology advisors within Foreign Ministries, Diplomatic Services and Governments released a report on Promoting Global Utilization of Science, Technology and Innovation for Food Systems Transformation to Ensure the Health of People and the Planet (STEPP).²²⁹² This report emphasized the need for promoting science, technology and innovation to promote global nutrition systems. This report also announces the Tokyo Nutrition for Growth Summit to take place on 7 and 8 December 2021. In addition to being signed by Japanese officials, Canadian, European, British and American Science advisors also signed the document.²²⁹³

On 16 December 2021, the Ministry of Foreign Affairs published its Diplomatic Bluebook for the year 2020.²²⁹⁴ In this report, Japan's history of promoting food security globally was established, as well as the plans made for the years to come. This report shows a significant understanding of Japan's foreign policy regarding food security, their commitments globally and a clear path towards improvement alongside retrospection.

On 17 January 2022, Foreign Policy Minister Yoshimasa Hayashi made a speech to the 208th session of the Diet.²²⁹⁵ This speech outlined all of Japan's foreign policy efforts in the coming years, including those surrounding food exports, as well as the promotion of the Sustainable Development Goals.

On 25 January 2022, Japan published an article regarding a recent initiative to blend urban and rural development, which includes efforts to improve the agricultural sector by introducing innovations like Artificial Intelligence, robots and other measures by 2025, in an effort called smart agriculture.²²⁹⁶

On 2 March 2022, Japan was involved in efforts through the World Bank and International Monetary Fund Development Committee to respond to various global crises affecting food security.²²⁹⁷ These included the conflict in Ukraine, climate change and the COVID-19 pandemic.

On 11 March 2022, the G7 agricultural ministers, including delegation from Japan, met in Berlin.²²⁹⁸ They discussed global concerns regarding food insecurity and agriculture. One of the most prominently discussed issues were the facilitation of harvest in affected areas in the Ukraine due to their ongoing food crisis, in an effort to provide access to "sufficient, safe, affordable and nutritious food."

On 17 March 2022, the co-advisors to the Minister of Foreign Affairs heard a presentation on science and technology efforts from Professors Matsumoto Yoichiro and Kano Mitsunobu.²²⁹⁹ This effort included information on how to improve and transform food systems globally.

²²⁹² Promoting Global Utilization of Science, Technology and Innovation for Food Systems Transformation to Ensure the Health of People and the Planet (STEPP), Ministry of Foreign Affairs (Tokyo) 6 December 2021. Access Date: 21 January 2022. <https://www.mofa.go.jp/files/100269047.pdf>

²²⁹³ Promoting Global Utilization of Science, Technology and Innovation for Food Systems Transformation to Ensure the Health of People and the Planet (STEPP), Ministry of Foreign Affairs (Tokyo) 6 December 2021. Access Date: 21 January 2022. <https://www.mofa.go.jp/files/100269047.pdf>

²²⁹⁴ Diplomatic Bluebook 2021, Ministry of Foreign Affairs (Tokyo) 16 December 2021. Access date 21 January 2022. https://www.mofa.go.jp/policy/other/bluebook/2021/pdf/en_index.html

²²⁹⁵ Foreign Policy Speech by Foreign Minister Hayashi to the 208th Session of the Diet, Ministry of Foreign Affairs (Tokyo) 17 January 2022. Access Date: 21 January 2022. https://www.mofa.go.jp/fp/pp/page3e_001166.html

²²⁹⁶ Vision for a Digital Garden City Nation: Achieving Rural-Urban Digital Integration and Transformation, Kizuna (Tokyo) 25 January 2022. Translation provided by Google Translate. Access Date: 9 February 2022. https://www.japan.go.jp/kizuna/2022/01/vision_for_a_digital_garden_city_nation.html

²²⁹⁷ The 105th WB/IMF Development Committee: Chair's Statement, Ministry of Finance (Tokyo) 22 April 2022. Access Date: 3 May 2022 https://www.mof.go.jp/english/policy/international_policy/imf/dc/20220422_2.html

²²⁹⁸ G7 Extraordinary Agriculture Ministers' Meeting, Agriculture and Agri-Food (Berlin) 11 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/03/g7-extraordinary-agriculture-ministers-meeting.html>

²²⁹⁹ Presentation for science and technology attachés in the foreign Missions in Japan by Prof. MATSUMOTO Yoichiro, Science and Technology Advisor to the Minister for Foreign Affairs and Prof. KANO Mitsunobu, Science and Technology Co-Advisor to the Minister for Foreign Affairs, Ministry of Foreign Affairs (Tokyo) 7 April 2022. Access Date: 3 May 2022. https://www.mofa.go.jp/dns/isc/page23e_000628.html

On 29 March 2022, the Export and International Affairs bureau alongside the Ministry of Agriculture, Forestry and Fisheries published a “request and justification for lifting the import measures on Japanese food regarding radionuclides.”²³⁰⁰ This concerns the testing of agricultural products that had been exposed to nuclear radiation, with the intention of improving access to safe and healthy food globally.

On 6 May 2022, the government and the Brazilian Ministry of Agriculture, Livestock and Supply jointly signed onto the Collaborative Development of Digital and Precision Agriculture to Strengthen the Innovation Ecosystem and the Sustainability of the Brazilian Agro partnership project.²³⁰¹ This project encourages the development of sustainable agro-industrial technologies, plans to advance productivity and environmental sustainability within agricultural systems and will improve the profitability of both agricultural sectors.

On 15 May 2022, Prime Minister Kishida attended a press conference regarding his recent visit to the Okinawa Prefecture of Japan.²³⁰² In this press conference, he mentions several issues including child poverty and how the region is affected by the American military presence, vowing to listen to the needs of the people. As poverty is connected to food security, this is an issue that falls under the scope of this commitment.

On 20 May 2022, the government allowed for an Emergency Grant of USD3 million to Sri Lanka.²³⁰³ This money would be used to provide access to food and medicine services to Sri Lanka through UNICEF and World Food Programme.

On 24 May 2022, an initiative for climate change was announced by the “Quad countries:” Japan, India, Australia and the United States.²³⁰⁴ This initiative in part addresses promoting sustainable agricultural endeavors as well as promoting food security. Through this initiative, Japan announced JPY50 billion to be allocated towards water-related issues.

On 25 May 2022, Vice-Minister of Finance for International Affairs Kanda Masato announced a contribution of USD20 million towards the African Development Bank and African Development Fund.²³⁰⁵ The report addresses numerous concerns regarding food insecurity that have been worsened by the COVID-19 pandemic and is designed to improve access to food and healthcare.

On 31 May 2022, Prime Minister Kishida pledged USD6 million to Ukraine, as well as access to food and healthcare supplies.²³⁰⁶ This was a show of support from the Government of Japan, as well as a show of desire to promote access to food in the region throughout the conflict.

²³⁰⁰ Request and justification for lifting the import measures on Japanese food regarding radionuclides, Ministry of Agriculture, Forestry and Fisheries (Tokyo) 29 March 2022. Access Date: 3 May 2022.

<https://www.maff.go.jp/e/policies/market/reference/attach/pdf/reference-12.pdf>

²³⁰¹ Mapa and Embrapa sign agreement with Japan for cooperation in digital agriculture, Ministry of Agriculture, Livestock and Supply (Brasilia) 9 May 2022. Translation provided by DeepL. Access Date: 11 June 2022. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/mapa-e-embrapa-assinam-acordo-com-japao-para-cooperacao-em-agricultura-digital>

²³⁰² Press Conference by the Prime Minister regarding His Visit to Okinawa Prefecture, Prime Minister of Japan (Okinawa) 15 May 2022. Access Date: 4 June 2022. https://japan.kantei.go.jp/101_kishida/statement/202205/_00010.html

²³⁰³ Press Conference by Foreign Minister HAYASHI Yoshimasa, Ministry of Foreign Affairs (Tokyo) 20 May 2022. Access Date 5 June 2022. https://www.mofa.go.jp/press/kaiken/kaiken24e_000133.html

²³⁰⁴ Quad Cooperation in Climate Change and launch of the Quad Climate Change Adaptation and Mitigation Package (Q-CHAMP), Ministry of Foreign Affairs (Tokyo) 24 May 2022. Access Date: 4 June 2022. <https://www.mofa.go.jp/files/100348057.pdf>

²³⁰⁵ Statement by Kanda Masato Vice-Minister of Finance for International Affairs, Ministry of Finance Temporary Governor of Japan at the Fifty-Seventh Annual Meeting of the African Development Bank and the Forty-Eighth Annual Meeting of the African Development Fund, Ministry of Finance (Accra) 25 May 2022. Access Date: 4 June 2022. https://www.mof.go.jp/english/policy/international_policy/mdbs/afdb/20220525st.pdf

²³⁰⁶ Japan Stands with Ukraine: Keeping Education Going for Students, Kizuna (Tokyo) 31 May 2022. Access Date: 4 June 2022. https://www.japan.go.jp/kizuna/2022/05/japan_stands_with_ukraine.html

On 31 May 2022, the government released an article through Kizuna, their official magazine, about Japan's work promoting the use of Artificial Intelligence (AI) in various facets of life, notably agriculture.²³⁰⁷ This "AI Strategy," which was announced in April, led the national government to set forth the Public/Private R&D Investment Strategic Expansion Program. One such effort highlighted has been from the National Agriculture and Food Research Organization, which developed a project to utilize artificial intelligence in order to eliminate agricultural pests.

On 6 June 2022, the 7th Japan-France Agricultural Policy Working Group was held in France.²³⁰⁸ At this session, representatives from both Japan and France reaffirmed the importance of sustainable food systems.

Japan has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by exploring ways to contribute to the global nutrition system, resilient food systems by promoting food security and agriculture innovation through initiatives featuring technological advancements. Meanwhile, more work is needed to increase access to finance through responsible investment in agriculture.

Thus, Japan receives a score of +1.

Analyst: Sarah Weiner

Korea: 0

Korea has partially complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 7 March 2022, the Ministry of Agriculture, Food and Rural Affairs (MAFRA) announced that it would implement emergency support measures to help farmers in areas affected by forest fires.²³⁰⁹ Among other measures, MAFRA will be providing concerned farmers with seedlings and will be working with agricultural machinery manufacturers to provide free repair services for wildfire-damaged agricultural machinery and equipment.

On 18 March 2022, the National University of Agriculture and Fisheries established a new agricultural drone station system.²³¹⁰ This new technology will provide real-time high-precision location information for farmers and will provide them with more work flexibility.

On 11 May 2022, the MAFRA announced that Korea plans to provide USD13 million worth of humanitarian aid for Syrian refugees and two neighboring countries, including food and water.²³¹¹

Korea has partially complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure

²³⁰⁷ The Impact of AI: Anyone Can Be a Skilled Farmer, Kizuna (Tokyo) 31 May 2022. Access Date: 4 June 2022. https://www.japan.go.jp/kizuna/2022/05/anyone_can_be_a_skilled_farmer.html

²³⁰⁸ Confirmed strengthening of cooperation in the fields of agriculture and food industry between Japan and France, Ministry of Agriculture, Forestry and Fisheries (Tokyo) 6 June 2022. Translation provided by Google Translate. Access Date: 12 June 2022. https://www.maff.go.jp/j/press/yusyutu_kokusai/chiiki/220606.html

²³⁰⁹ MAFRA helps farmers that have been hard hit by wildfire, Ministry of Agriculture, Food and Rural Affairs (Sejong City) 7 March 2022. Access Date: 16 May 2022. <https://www.mafra.go.kr/bbs/english/25/330006/artclView.do>

²³¹⁰ The Agricultural Drone Station, New Technology for Automated Smart Farming, was Developed-KNUAF demonstrated the work of smart digital rice cultivation, Ministry of Agriculture, Food and Rural Affairs (Sejong City) 17 March 2022. Access Date: 16 May 2022. <https://www.mafra.go.kr/bbs/english/25/330009/artclView.do>

²³¹¹ S. Korea to offer \$13.8 mln in humanitarian aid for Syrian refugees, Yonhap News Agency (Seoul) 11 May 2022. Access Date: 15 May 2022. <https://en.yna.co.kr/view/AEN20220511006200325?section=search>

sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed resilient food systems by supporting people affected by crises and agriculture innovation by developing new technology to provide real-time high-precision location information for farmers with drones. However, its lack of progress in fostering sustainable food systems and increasing access to finance through responsible investment in agriculture and food systems equates a partial compliance with its commitment.

Thus, Korea receives a score of 0.

Analyst: Clémentine Benoit

Mexico: +1

Mexico has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 7 December 2021, Minister of Agriculture and Rural Development Víctor Villalobos Arámbula pledged to expand the “Fertilizers for well-being” program and strengthen the guaranteed prices program in Nayarit.²³¹² That state, which produces many important and lucrative crops, will have its agricultural productivity encouraged by funding from Mexico’s Development Bank. The minister highlighted that work is being done on the consolidation of the “Agromatrix” for the Development Plan of the Agri-food Sector of Nayarit, which intends to boost the territorial development of agricultural and aquacultural fishing chains, as well as fortify the link with different institutions in that sector. To encourage these developments, the President of Mexico has promised free fertilizer to the region’s farmers and support from all three levels of government, in addition to direct support for the fishermen of Nayarit.

On 28 December 2021, Diconsa, a government owned chain of stores selling basic goods distributed 22,000 food packages to 405 localities in Oaxaca State at the request of the National Institution for Indigenous Peoples.²³¹³ These packages included oil, rice, sugar and other essential and nutritious ingredients and aim to adequately feed many members of a disadvantaged group.

On 2 January 2022, Food Security Mexico (Segalmex) set up a system to guarantee a “food basket” consisting of various essential ingredients and items to Mexicans in the most vulnerable societal groups.²³¹⁴ This consists of those with great economic and social difficulties, including those living in poverty, Indigenous Mexicans, Afro-Mexicans and seniors. Through the Program of Rural Supply (PAR), Diconsa supply stores will be set up in areas where adequate supply does not exist. Furthermore, the target populations, who are said to consist of at least 15 per cent of the population, will be aided by electronic terminals to assist with financial services and receiving remittances. Deals will also be conducted with the three levels of government to ensure the resilience and sustainability of the program.

²³¹² Agriculture will extend support under the Guarantee Prices and Fertilizer programs to Nayarit, Ministry of Agriculture and Rural Development (Ciudad de México) 7 December 2021. Translation provided by Analyst. Access Date: 10 February 2022. <https://www.gob.mx/agricultura/prensa/extendera-agricultura-apoyos-de-los-programas-precios-de-garantia-y-fertilizantes-a-nayarit?idiom=es>

²³¹³ Diconsa assembles 10 thousand pantries at the request of the Ministry of Welfare, Ministry of Welfare (Ciudad de México) 28 December 2021. Translation provided by Analyst. Access Date: 9 February 2021. <https://www.gob.mx/segalmex/articulos/armadiconsa-10-mil-despensas-a-peticion-de-la-secretaria-del-bienestar?idiom=es>

²³¹⁴ Segalmex guarantees corn, beans, basic food basket and socially demanded products for vulnerable communities, Ministry of Agriculture and Rural Development (Ciudad de México) 2 January 2022. Translation provided by Analyst. Access Date: 10 February 2022. <https://www.gob.mx/agricultura/prensa/garantiza-segalmex-maiz-frijol-canasta-basica-y-productos-de-demanda-social-para-comunidades-vulnerables?idiom=es>

On 20 January 2022, the Ministry of Agriculture and Rural Development established Nopal Fodder nurseries in Zacatecas state.²³¹⁵ This type of fodder requires less water, making it environmentally beneficial and easier to grow in large quantities. Therefore, farmers can feed their cattle more frequently and effectively increase the number of their livestock. This innovation will be funded with USD93,000 and is part of the Strategic Project for the Establishment of Nurseries for the Multiplication of Cladodes of Nopal Forage in Arid Zones of Mexico, which will be implemented in the states of Chihuahua, Sonora, Zacatecas and the Lagunera Region.

On 4 February 2022, Minister Arámbula and his American counterpart discussed bilateral cooperation, particularly regarding expanding their respective agri-food sectors.²³¹⁶ The meeting stressed the importance of solidifying ties and using technology to ensure the highest production quality, in coordination with economic and environmental needs. One action taken to demonstrate what the ministers hope to be a permanent and resilient relationship is the trade of Mexican avocados and American strawberries.

On 26 April 2022, the Ministry of Agriculture and Rural Development and Palestine's Special Delegation signed a statement of intent for technical cooperation and cultivating food in arid areas.²³¹⁷ There will be a transfer of advanced technology for the sustainable maintenance of soil and water resources with the goal of improving food security. Mexico aims to contribute the knowledge it gained from dealing with challenges faced by farmers in dry Northeastern Mexico to help solve the same issues facing Palestinian agriculturalists.

On 29 April 2022, the government of the state of Guanajuato and the Ministry of Agriculture and Rural Development revealed plans to combat diseases and pests that impact strawberries.²³¹⁸ To this end, the National Service for Agrifood Health, Safety and Quality (SENSICA) will conduct studies regarding the types of pests, fungi and infections that impact the growth of strawberries and other small fruits grown in the region.

On 30 April 2022, the Ministry of Agriculture and Rural Development announced that over 329,000 farmers in Guerrero State had benefitted from its program to distribute fertilizer for the fourth year in a row.²³¹⁹ Almost half of all farmers who benefitted were women, and 30.8 per cent of beneficiaries resided in areas with indigenous populations.

On 11 May 2022, Minister Arámbula and Ambassador to Haiti Alberto Camarena Ávalos jointly announced a cooperation plan with Haiti.²³²⁰ Measures such as sending specialists over to conduct studies on soil and sending

²³¹⁵ Agriculture initiates establishment of fodder cactus nurseries to mitigate effects of drought on livestock, Ministry of Agriculture and Rural Development (Ciudad de México) 20 January 2022. Translation provided by Analyst. Access Date: 10 February 2022. <https://www.gob.mx/agricultura/prensa/inicia-agricultura-establecimiento-de-viveros-de-nopal-forrajero-para-mitigar-efectos-de-la-sequia-en-la-ganaderia?idiom=es>

²³¹⁶ U.S. and Mexican Ministers of Agriculture review progress on bilateral agenda in the agri-food sector, Ministry of Agriculture and Rural Development (Ciudad de México) 4 February 2022. Translation provided by Analyst. Access Date: 9 February 2022. <https://www.gob.mx/agricultura/prensa/revisan-secretarios-de-agricultura-de-mexico-y-estados-unidos-avances-en-agenda-bilateral-en-el-sector-agroalimentario-294056?idiom=es>

²³¹⁷ Mexico and Palestine agree on technological cooperation for growing foodstuffs in arid areas, Ministry of Agriculture and Rural Development (Mexico City) 26 April 2022. Translation provided by Analyst. Access Date: 20 May 2022. <https://www.gob.mx/agricultura/prensa/acuerdan-mexico-y-palestina-cooperacion-tecnologica-para-produccion-de-alimentos-en-zonas-aridas?idiom=es>

²³¹⁸ Agriculture collaborates with Guanajuato to control and eradicate pests and diseases that impact strawberries, Ministry of Agriculture and Rural Development (Mexico City) 29 April 2022. Translation provided by Analyst. Access Date: 20 April 2022. <https://www.gob.mx/agricultura/prensa/colabora-agricultura-con-guanajuato-para-controlar-y-erradicar-plagas-y-enfermedades-de-las-frutillas-300585?idiom=es>

²³¹⁹ The Government of Mexico expands its free fertilizer program to new entities this year, Ministry of Agriculture and Rural Development (Mexico City) 30 April 2022. Translation provided by Analyst. Access Date: 19 May 2022. <https://www.gob.mx/agricultura/prensa/amplia-gobierno-de-mexico-programa-de-fertilizante-gratuito-a-nueve-entidades-este-ano?idiom=es>

²³²⁰ Mexico prepares a technical cooperation plan for strengthening agro-food production in Haiti, Ministry of Agriculture and Rural Development (Mexico City) 11 May 2022. Translation provided by Analyst. Access Date: 19 May 2022. <https://www.gob.mx/agricultura/prensa/prepara-mexico-plan-de-cooperacion-tecnica-para-fortalecer-produccion-agroalimentaria-en-haiti?idiom=es>

agricultural machinery are part of the plan to improve food security in Haiti. The partnership will expand the cultivation of local fruits and vegetables, increasing sustainability throughout rural Haiti.

On 13 May 2022, Minister Arámbula announced a plan to train 14,000 agronomists to restore parts of the Mexican countryside.²³²¹ The program intends to ensure food security and the well-being of rural families. Most trainees contributing to this restoration project are educated in rural and agricultural development.

On 27 May 2022, Mexico and Argentina held a bilateral meeting aimed at increasing the exchange of various crops and meats, as well as agricultural equipment, machinery and technology.²³²² Foods discussed in relation to exports included Bovine and Pork meat, grains such as rice and beans, as well as fruits like citrus and apple. The Mexican delegation, led by Minister of Agriculture and Rural Development Víctor Villalobos Arámbula and Argentina's delegation, headed by Minister of Foreign Affairs, International Trade and Worship Santiago Cafiero, emphasized the importance of fertile Latin America in this current era of fear over food insecurity.

On 27 May 2022, the Ministry of Agriculture and Rural Development declared eight municipalities in the states of Michoacán, Nayarit and Guerrero as Avocado Borer Free Zones.²³²³ The absence of these pests, of which three varieties are present in Mexico, will ensure that small and medium farmers can freely grow and trade their crops. This recognition is valid for 24 months.

On 30 May 2022, the Ministry of Agriculture and Rural Development began distributing free fertilizer in Chiapas, Morelo and Tlaxcala states as part of the “Fertilizers for Wellbeing” program.²³²⁴ It also increased quantities distributed in numerous states, such as Guerrero, where distributions increased by 64 per cent, reaching 212,488 farmers. Increases of up to 83% in fertilizer delivered have been observed in Northern Mexico.

On 7 June 2022, Secretary of Agriculture and Rural Development Víctor Villalobos Arámbula and Secretary of Economy Tatiana Clouthier Carrillo inaugurated the National Forum on Food Security and Climate Change.²³²⁵ Its aim is to gather experts in fields relevant to food security and ensure the population of Mexico is well fed despite the recent conflict in Eastern Europe.

On 12 June 2022, Secretary of Agriculture and Rural Development Víctor Villalobos Arámbula announced the preparation of a National Livestock Plan in tandem with the National Confederation of Livestock

²³²¹ 14,000 agronomists will be strengthened in the Mexican countryside, through production days for self-consumption, Ministry of Agriculture and Rural Development (Mexico City) 13 May 2022. Translation provided by Analyst. Access Date: 19 May 2022. <https://www.gob.mx/agricultura/prensa/fortaleceran-14-mil-agronomos-al-campo-mexicano-a-traves-de-las-jornadas-de-produccion-para-el-autoconsumo?idiom=es>

²³²² The Southern Cone and North America, key regions in the production of foodstuffs for the world: agriculture, Ministry of Agriculture and Rural Development (Mexico City) 27 May 2022. Translation provided by Analyst. Access Date: 11 June 2022. <https://www.gob.mx/agricultura/prensa/el-cono-sur-y-norteamerica-regiones-clave-en-la-produccion-de-alimentos-para-el-mundo-agricultura?idiom=es>

²³²³ Ministry of Agriculture recognizes zones free of Avocado Borers in Michoacán, Jalisco, Nayarit and Guerrero, Ministry of Agriculture and Rural Development (Mexico City) 27 May 2022. Translation provided by Analyst. Access Date: 11 June 2022. <https://www.gob.mx/agricultura/prensa/reconoce-agricultura-zonas-libres-de-los-barrenadores-del-aguacate-en-michoacan-jalisco-nayarit-y-guerrero?idiom=es>

²³²⁴ Ministry of Agriculture initiates provision of free fertilizer in Chiapas, Morelos and Tlaxcala, Ministry of Agriculture and Rural Development (Mexico City), 30 May 2022. Translation provided by Analyst. Access Date: 11 June 2022. <https://www.gob.mx/agricultura/prensa/inicia-agricultura-suministro-de-fertilizante-gratuito-en-chiapas-morelos-y-tlaxcala?idiom=es>

²³²⁵ The Ministries of Agriculture and Economy inaugurate the National Forum for Food Security and Climate Change, Ministry of Agriculture and Rural Development (Mexico City) 7 June 2022. Translation provided by Analyst. Access Date: 11 June 2022. <https://www.gob.mx/agricultura/prensa/inauguran-agricultura-y-economia-foro-nacional-sobre-seguridad-alimentaria-y-cambio-climatico?idiom=es>

Organizations.²³²⁶ The main goals of this plan include ensuring affordable meat prices in Mexico, furthering health and safety measures regarding livestock and expanding livestock export markets.

Mexico has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by distributing free fertilizers to farmers, resilient food systems by gathering experts to study food security and climate change, agriculture innovation by encouraging collaboration with partners overseas and increased access to finance through responsible investment in agriculture and food systems by supporting small and medium farmers to grow and trade their production.

Thus, Mexico receives a score of +1.

Analyst: Mohammad Rasoul Kailani

Russia: 0

Russia has partially complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 9 November 2021, Russia donated 118 tonnes of fortified vegetable oil to the Lao People's Democratic Republic as one of Russia's contributions to the World Food Programme (WFP).²³²⁷

On 18 December 2021, 36 tonnes of Russian humanitarian aid, consisting of food products and medications, was delivered to Kabul.²³²⁸

On 10 February 2022, Russia transferred 193.5 tonnes of humanitarian aid to the government of Djibouti at the WFP regional logistics hub there as part of Russia's voluntary RUB2 million targeted contributions to the WFP fund for 2022.²³²⁹

Russia has partially complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by funding WFP and sustainable food systems by donating overseas. However, its lack of progress in promoting agriculture innovation and increasing access to finance through responsible investment in agriculture and food systems equates a partial compliance with its commitment.

Thus, Russia receives a score of 0.

Analyst: Mohammad Rasoul Kailani

²³²⁶ Agriculture and CNOG prepare National Livestock Plan to face the global situation, Ministry of Agriculture and Rural Development (Mexico City) 12 June 2022. Translation provided by Google Translate. Access Date: 12 June 2022.

<https://www.gob.mx/agricultura/prensa/alistan-agricultura-y-cnog-plan-nacional-ganadero-para-hacer-frente-a-la-coyuntura-global>

²³²⁷ Briefing by Foreign Ministry Spokeswoman Maria Zakharova, Moscow, November 17, 2021, Ministry of Foreign Affairs (Moscow) November 17 2021. Access Date: 12 June 2022. https://mid.ru/en/foreign_policy/news/1786280/

²³²⁸ Briefing by Foreign Ministry Spokeswoman Maria Zakharova, Moscow, December 24, 2021, Ministry of Foreign Affairs (Moscow) 24 December 2021. Access Date: 12 June 2022. https://mid.ru/en/foreign_policy/news/1792014/

²³²⁹ Briefing by Foreign Ministry Spokeswoman Maria Zakharova, Moscow, February 16, 2022, Ministry of Foreign Affairs (Moscow) 16 February 2022. Access date: 12 June 2022. https://mid.ru/en/foreign_policy/news/1798918/

Saudi Arabia: +1

Saudi Arabia has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 1 December 2021, Saudi Arabia’s Minister of Environment, Water and Agriculture signed a cooperation agreement with the Executive Secretary of the United Nations Convention to Combat Desertification to reduce land degradation and conserve terrestrial habitats.²³³⁰ Saudi Arabia will assist by providing funds for the initiative to meet its goals. This also includes supporting biodiversity conservation, building resilience to and mitigating the effects of climate change and drought, as well as contributing to food security and providing incomes and jobs to local citizens. The agreement is a part of the wider G20 initiative to halt land degradation.

On 14 January 2022, The Saudi Agricultural Development Fund held a virtual meeting with wheat farmers from across the Kingdom to discuss agricultural development.²³³¹ To accelerate the agricultural development of wheat farming, the Agricultural Fund has organized a mechanism wherein licensed wheat farmers may receive up to USD106,000 in government funding. Wheat farming has been particularly targeted for its value to food sustainability; it feeds many people and its cultivation does not consume as much water as other crops.

On 25 January 2022, a spokesperson for the Saudi Agricultural Fund declared that it expects to distribute around USD800 million in this calendar year, up from USD533 million in 2021.²³³² The spokesperson stated the funds will go to various endeavours, including greenhouse projects, poultry and fish farming, as well as financing the Saudi program to support rural development. Additionally, the fund will finance supply chains and operate using modern technologies. Other projects such as food factories and marketing will also be subsidized. The funding will also support rural agricultural development, finance agricultural investment projects abroad and technology to rationalize consumption of water and electricity, thereby increasing production. This falls in line with Saudi Arabia’s “Vision 2030” to increase self-sustainability.

On 31 January 2022, the Saudi Minister of Environment, Water and Agriculture signed a memorandum of understanding with the Iraqi Minister of Agriculture, along with different government officials from both countries.²³³³ They pledged to cooperate in various areas, including increasing livestock, fisheries and agriculture with the aim of increasing food security in the two Middle Eastern nations. These endeavours to solidify food sustainability will involve much monetary cooperation and the strengthening of Iraqi-Saudi trade.

²³³⁰ Environment Minister Signs a Cooperation Agreement with UN to Implement Global Initiative on Reducing Land Degradation, Ministry of Environment Water and Agriculture (Riyadh) 1 December 2021. Access Date: 7 February 2022.

<https://www.mewa.gov.sa/en/MediaCenter/News/Pages/ennews3.aspx>

²³³¹ Agricultural Development Fund holds a meeting in cooperation with wheat farmers from across the kingdom, Agricultural Development Fund (Riyadh) 14 January 2022. Translation provided by Analyst. Access Date: 9 February 2022.

<https://www.adf.gov.sa/ar/MediaCenter/News/Pages/news0100.aspx>

²³³² The Agricultural Development Fund has two billion riyals worth of funding in Saudi Arabia, Al Arabiya (Riyadh) 25 January 2022. Translation provided by Analyst. Access Date: 9 February 2022. <https://www.alarabiya.net/saudi-today/2022/01/25/2-%D9%85%D9%84%D9%8A%D8%A7%D8%B1-%D8%B1%D9%8A%D8%A7%D9%84-%D8%AD%D8%AC%D9%85-%D8%AA%D9%85%D9%88%D9%8A%D9%84-%D8%B5%D9%86%D8%AF%D9%88%D9%82-%D8%A7%D9%84%D8%AA%D9%86%D9%85%D9%8A%D8%A9-%D8%A7%D9%84%D8%B2%D8%B1%D8%A7%D8%B9%D9%8A%D8%A9-%D9%81%D9%8A-%D8%A7%D9%84%D8%B3%D8%B9%D9%88%D8%AF%D9%8A%D8%A9>

²³³³ The Kingdom and Iraq sign a memorandum of understanding to endorse cooperation in agriculture, livestock and fisheries, Ministry of Environment Water and Agriculture (Riyadh) 31 January 2022. Translation provided by Analyst. Access Date: 9 February 2022. <https://www.mewa.gov.sa/ar/MediaCenter/News/Pages/News3712020.aspx>

On 2 February 2022, the Saudi Ministry of Environment, Water and Agriculture invited companies, foundations and corporations that have experience in harvest value chain development to participate in an initiative to do research and provide guidance to expand the harvesting of crops in Jizan Province.²³³⁴

On 9 February 2022, Saudi Arabia's Minister of Environment, Water and Agriculture visited the Eastern Province to monitor the progress of the various environmental projects there and ensure their resiliency.²³³⁵ These include the agricultural project in the Abu Ma'an area and the agricultural project on the outskirts of Dammam. The stated goal of the visit was to ensure that the region is well-vegetated, in line with the country's goals for Vision 2030.

On 7 March 2022, Saudi Arabia and New Zealand struck up agreements in The Eighth Session of the Saudi-New Zealand Joint Ministerial Committee.²³³⁶ The Saudi delegation was headed by The Minister of Environment, Water and Agriculture, Abdul Rahman bin Abdul Mohsen Al Fadhli, while New Zealand's delegation was headed by Minister of Commerce and Export Growth, Damien O'Connor. The countries agreed to cooperate on food security and ensuring quality of food products, amongst other areas, and will set up through diplomatic channels to ensure commitment to the stated goals.

On 28 March 2022, the Saudi-Nigerien joint committee held its first session in Riyadh.²³³⁷ The Saudi Delegation was headed by the undersecretary of the Ministry of Environment, Water and Agriculture, Abdulaziz Bin Marahib Al Shibani, while Niger's delegation was headed by the His Excellency the Secretary-General of the Ministry of Foreign Affairs and Cooperation of the Republic of Niger, Ado El Haj Abdo. The two countries pledged to cooperate on many issues, including agriculture and the environment.

On 18 April 2022, Saudi Arabia announced its first smart farm project.²³³⁸ Multinational companies will cooperate with the Saudi supermarket chain Tamimi Markets in order to build it. Smart Farms require far less water to grow vast amounts of produce, an important innovation considering Saudi Arabia's arid climate. Saudi Arabia's "Vision 2030" involves weaning off food imports as the population grows, leading for a push towards locally grown food.

On 25 April 2022, Saudi Arabia's Ministry of Environment, Water and Agriculture announced four investment opportunities for agriculture and livestock in the Qassim, Makkah and Jizan provinces.²³³⁹ In Jizan, two projects will assist farmers in breeding, raising and fattening sheep. In Makkah governorate, plans for a large veterinary hospital are underway, and in Qassim governorate, the government is funding the construction of greenhouses. These endeavors across the country have been declared with the intent of helping Saudi Arabia achieve food security.

²³³⁴ An invitation to participate in project of providing guidance and studies services for harvesting in Jazan, Ministry of Environment Water and Agriculture (Riyadh) 2 February 2022. Access Date: 9 February 2022.

<https://www.mewa.gov.sa/en/MediaCenter/News/Pages/engnews103.aspx>

²³³⁵ The Minister Al Fadhli checks up on environmental, water and agricultural systems and projects in the Eastern Province, Ministry of Water Environment and Agriculture (Riyadh) 9 February 2022. Translation provided by Analyst. Access Date: 9 February 2022. <https://www.mewa.gov.sa/ar/MediaCenter/News/Pages/News3782020.aspx>

²³³⁶ Al Fadhli heads the Saudi Delegation at the Saudi-New Zealander Joint Commission, Ministry of Environment, Water and Agriculture (Riyadh) 7 March 2022. Translation provided by Analyst. Access Date: 3 June 2022. <https://mewa.gov.sa/ar/MediaCenter/News/Pages/News3952020.aspx>

²³³⁷ Al Shibani heads the meetings of the Saudi-Nigerien Committee in Riyadh, Ministry of Environment, Water and Agriculture (Riyadh) 28 March 2022. Translation provided by Analyst. Access Date: 3 June 2022. <https://mewa.gov.sa/ar/MediaCenter/News/Pages/News4122020.aspx>

²³³⁸ Saudi Arabia announces first smart farm project to improve food security, Fast Company Middle East (Dubai) 18 April 2022. Access Date: 28 May 2022. <https://www.fastcompanyme.com/news/saudi-arabia-announces-first-smart-farm-project-to-improve-food-security>

²³³⁹ The Ministry of the Environment announces four investment projects for animals and agriculture in Makka, Qassim and Jizan, Ministry of Environment, Water and Agriculture (Riyadh, 25 April 2022. Translation provided by Analyst. Access Date: 3 June 2022. <https://mewa.gov.sa/ar/MediaCenter/News/Pages/News4262020.aspx>

On 29 April 2022, The King Salman Humanitarian Aid and Relief Center, one of Saudi Arabia's official aid agencies, contributed to its current project in Yemen via the delivery of Ramadan food parcels.²³⁴⁰ 112 tons of food baskets were delivered in Ma'arib governorate, while 159 tons were delivered to Al Mahrah governorate. The donations are a part of the "Saudi Ramadan Eta'am initiative" which aims to benefit 900,000 people in 19 countries via the donation of 156,993 food parcels.²³⁴¹

On 26 May 2022, Saudi Arabia concluded its participation at the World Economic Forum in Davos, Switzerland.²³⁴² The forum touched on several major political, healthcare and environmental issues affecting the world at the moment. The Saudi delegation has signed three important agreements, the third of which seeks the implementation of food systems, security stability and smart farms.

On 29 May 2022, the International Exhibition and Forum and Afforestation Technologies, inaugurated by the Saudi Minister of Environment, Water and Agriculture, kicked off in Riyadh.²³⁴³ The goal of the conference is to maintain food security and combat desertification, particularly in the Middle East. Over 90 speakers from 20 countries and organizations around the world will engage in 20 dialogue sessions and workshops discussing more than 50 scientific papers.

Saudi Arabia has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by supporting local farmers, resilient food systems by increasing collaboration overseas, agriculture innovation by investing in smart farm projects and increased access to finance through responsible investment in agriculture and food systems by encouraging monetary cooperation.

Thus, Saudi Arabia receives a score of +1.

Analyst: Mohammad Rasoul Kailani

South Africa: 0

South Africa has partially complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 30 November 2021, the Department of Agriculture, Land Reform and Rural Development opened the second phase of the Presidential Employment Stimulus.²³⁴⁴ This second phase addresses unemployment for subsistence farmers. The opening of this second phase aims to make farming more sustainable and improve the standard of living for farmers producing at a smaller scale.

²³⁴⁰ KSRelief continues food, education projects in Yemen, Arab News (Riyadh) 29 April 2022. Access Date: 25 May 2022. <https://www.arabnews.com/node/2073451/saudi-arabia>

²³⁴¹ KSRelief continues food, education projects in Yemen, Arab News (Riyadh) 29 April 2022. Access Date: 25 May 2022. <https://www.arabnews.com/node/2073451/saudi-arabia>

²³⁴² Saudi Arabia's delegation concludes participation at WEF 2022 in Davo, Al Arabiya (Riyadh) 29 May 2022. Access Date: 30 May 2022. <https://english.alarabiya.net/News/gulf/2022/05/29/Saudi-Arabia-s-delegation-concludes-participation-at-WEF-2022-in-Davos>

²³⁴³ International Exhibition and Forum on Afforestation Technologies kicks off in Riyadh, Arab News (Riyadh) 29 May 2022. Access Date: 30 May 2022. <https://www.arabnews.com/node/2092011/saudi-arabia>

²³⁴⁴ Minister Didiza announces second phase of the implementation of the presidential employment stimulus initiative (PESI) for subsistence producers, Agriculture, Land Reform and Rural Development (Cape Town) 30 November 2021. Access Date: 7 June 2022.

[https://www.dalrrd.gov.za/docs/media/Minister%20Didiza%20announces%20second%20phase%20of%20the%20implementatio n%20of%20the%20Presidential%20Employment%20Stimulus%20Initiative%20\(PESI\)%20for%20subsistence%20producers.pdf](https://www.dalrrd.gov.za/docs/media/Minister%20Didiza%20announces%20second%20phase%20of%20the%20implementatio n%20of%20the%20Presidential%20Employment%20Stimulus%20Initiative%20(PESI)%20for%20subsistence%20producers.pdf)

On 27 May 2022, Minister of Agriculture, Land Reform and Rural Development Thoko Didiza announced the carrying out of a part of the Departmental Farmer Support Programme to assist farmers maximize agricultural production and maintain their supply.²³⁴⁵ This aims to ensure food security and help the country's economy grow.

South Africa has partially complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by addressing unemployment for subsistence farmers, as well as resilient food systems by supporting farmers to maximize and maintain their agricultural production. However, its lack of progress in promoting agriculture innovation and increasing access to finance through responsible investment in agriculture and food systems equates a partial compliance with its commitment.

Thus, South Africa receives a score of 0.

Analyst: Manabil Malik

Turkey: +1

Turkey has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 3 March 2022, the government relaxed import requirements for agricultural shipments coming in from Ukraine.²³⁴⁶ Oilseed, grain and sunflower oil import certificate and license requirements were removed. This action provides the country with security as they approach potential depletion of their current stocks. This action also works towards creating a more sustainable food system in the country, while the Russia-Ukraine conflict continues to affect the agricultural imports into the country.

On 10 March 2022, the Ministry of Agriculture and Forestry temporarily banned the exports of certain agricultural goods to stabilize their domestic goods conditions and mitigate inflation.²³⁴⁷ These products include select cooking oils, oilseeds, margarine, lentils and dry beans. This action and temporary ban are an effort on the member's part to create and maintain a stable food system.

On 11 March 2022, Minister of Agriculture and Forestry Vahit Kirişci committed payments of TL116 million for agricultural development and farmer support.²³⁴⁸ The funding will be going towards the production of wheat, barley, rye, oats and triticale products. Producers will be paid a total of TL116 per hectare, with diesel fuel, fertilizer and certified seeds. The initial agricultural support budget for 2022 has been increased from TL25.8 billion to TL3.2 billion.

²³⁴⁵ Minister Didiza to launch and handover agricultural production inputs and equipment to the Sokhulumi agri-park, Agriculture, Land Reform and Rural Development (Cape Town) 27 May 2022. Access Date: 7 June 2022
<https://www.dalrrd.gov.za/docs/media/Media%20Invite-%20Sokhulumi%20FPSU%20Launch.pdf>

²³⁴⁶ Turkey risks vegoil shortage, relaxes agri imports, Argus Media (London) 3 March 2022. Access Date: 14 March 2022.
<https://www.argusmedia.com/en/news/2307949-turkey-risks-vegoil-shortage-relaxes-agri-imports>

²³⁴⁷ Turkey: Turkey Imposes Temporary Ban on Certain Agricultural Exports, Foreign Agricultural Service (Washington) 15 March 2022. Access Date: 27 April 2022. <https://www.fas.usda.gov/data/turkey-turkey-imposes-temporary-ban-certain-agricultural-exports>

²³⁴⁸ 2022 Agricultural Support Increased to 29 Billion Lira, Ministry of Agriculture and Forestry (Ankara) 11 March 2022.

Translation provided by Google Translate. Access Date: 29 May 2022. <https://www.tarimorman.gov.tr/Haber/5201/2022-Tarimsal-Destek-Miktari-29-Milyar-Liraya-Yukseltildi>

On 22 March 2022, Turkey inaugurated 325 water-related facilities across the country.²³⁴⁹ These facilities will better preserve and effectively use the water supply across 70 provinces. The Government of Turkey has invested TL4.6 billion in the projects, which will contribute towards the country's economy and create agricultural jobs for approximately 325,000 people. This action is a crucial part for the country's ability to create efficient irrigation.

On 28 March 2022, Deputy of the Nationalist Movement Party Saffet Sancakli, announced the increase in minimum wage, pensions and decreased borrowing costs for farmers starting July 2022.²³⁵⁰ According to Saffet Sancakli, President Recep Tayyip Erdoğan, has signed a decree and declared that Turkey will pay 75 per cent of the debts of their farmers. These changes are in response to the growing inflation and cost of living in the country. This action fosters sustainable food systems and provides access to finance for farmers.

On 28 March 2022, President Erdoğan announced reductions on value-added tax on staple foods and commodities of the country.²³⁵¹ President Erdoğan announced an 87.5 per cent decrease, from 8 per cent to now a 1 per cent value-added tax. Along with the staple foods, the value-added tax has been lowered to 1 per cent on all certified seeds and saplings. There will also be a 55 per cent decrease in electricity usage for residential and agricultural irrigation. The government also created a task force dedicated to inspecting prices along with a mobile app in order to help citizens find cheaper products. This announcement fosters growth and creates a sustainable food system in the country in the wake of inflation.

On 2 April 2022, President Erdoğan announced the Ministry of Agriculture and Forestry Meat and Dairy Institution will make payments of TL2,500 per cattle slaughtered, sold or made in the month of April.²³⁵² This decision was placed in effect in order to contribute towards food sustainability in the livestock sector, to protect breeders and consumers, regulate the market, and prevent mass price fluctuations in the country.

On 8 April 2022, Minister Kirişci announced the transfer of funds up to TL150 million to farmers across the country.²³⁵³ The funding will be directed towards paying for cereals, legumes and grain corn. Beekeeping support will also be provided within the scope of rural development support.

On 15 April 2022, Minister Kirişci announced a scope of agricultural support payments of TL3 billion 582 million.²³⁵⁴ The initiative attempts to provide farmers and producers with security. The support payments were provided for field-based additional input, diesel and fertilizer support, animal gene and resource support.

²³⁴⁹ Turkey inaugurates nationwide projects on World Water Day, Daily Sabah (Istanbul) 22 March 2022. Access Date: 27 April 2022. <https://www.dailysabah.com/turkey/turkey-inaugurates-nationwide-projects-on-world-water-day/news>

²³⁵⁰ Two voices from the Alliance! The minister found it meaningless, Sancakli says there will be a raise!, Kocaeli Gazetesi (Izmit) 28 March 2022. Translation provided by Google Translate. Access Date: 27 April 2022.

<https://www.kocaeligazetesi.com.tr/haber/9801008/ittifaktan-iki-ses-bakan-anlamsiz-buldu-sancakli-zam-gelecek-diyor>

²³⁵¹ Turkey to Cut VAT on Staple Foods in Bid to Tame Inflation, Business News Network Bloomberg (Toronto) 12 February 2022. Access Date: 14 March 2022. <https://www.bnnbloomberg.ca/turkey-to-cut-vat-on-staple-foods-in-bid-to-tame-inflation-1.1722400>

²³⁵² Support Payment of 2 Thousand 500 TL Per Cattle Will Be Made To Our Breeders, Ministry of Agriculture and Forestry (Ankara) 13 April 2022. Translation provided by Google Translate. Access Date: 29 May 2022.

<https://www.tarimorman.gov.tr/Haber/5225/Yetistiricilerimize-Sigir-Basina-2-Bin-500-Lira-Destekleme-Odemesi-Yapilacak>

²³⁵³ Minister Kirişci: "Support Payment of 150 Million TL Is Due To Our Farmers Today, Ministry of Agriculture and Forestry (Ankara) 8 April 2022. Translation provided by Google Translate. Access Date: 29 May 2022. <https://www.tarimorman.gov.tr/Haber/5224/Bakan-Kirisci-150-Milyon-Liralik-Destekleme-Odemesi-Bugun-Ciftcilerimizin-Hesabina-Yatiyor>

²³⁵⁴ Minister Kirişci: "We Are Transferring The 3 Billion 582 Million TL Support Payment To Our Farmers' Accounts From Today," Ministry of Agriculture and Forestry (Ankara) 15 April 2022. Translation provided by Google Translate. Access Date: 29 May 2022. <https://www.tarimorman.gov.tr/Haber/5227/Bakan-Kirisci-3-Milyar-582-Milyon-Liralik-Destekleme-Odemesini-Bugunden-Itibaren-Ciftcilerimizin-Hesaplarina-Aktariyoruz>

On 29 April 2022, Ministry of Agriculture and Forestry committed to providing TL156 million to breeders in 7 different fields.²³⁵⁵ These fields include beehive support, pine honey compensation support, queen breeding support, plant quarantine, certified seed usage support and heifer purchase support. These support structures provide farmers and breeders with financial support to secure and accelerate their fields. Providing beekeepers with investments secures the future for the country's vegetation as they are an integral part in the production of agriculture.

On 13 May 2022, the Ministry of Agriculture and Forestry committed to make support payments of TL3.2 billion to farmers and growers in six different fields.²³⁵⁶ Majority of the support is provided to oilseed plants and solid organic fertilizer. The remainder of the funding was provided to certified seed production, cereals-legumes grain and corn support, and animal gene resources.

On 17 May 2022, the Ministry of Agriculture and Forestry distributed 500,000 seedlings to farmers in the province of Ankara.²³⁵⁷ Of the seedlings provided, 160,000 were tomatoes, 170,000 peppers and 170,000 cucumbers. Domestic production has been made a priority by the Turkey government as it seeks to create sustainable and resilient food systems.

On 27 May 2022, the Ministry of Agriculture and Forestry provided TL1 billion 44 million in support of the country's breeders.²³⁵⁸ The funding was distributed to small cattle breeding, fattening male cattle support, herd management support, animal diseases compensation, oilseed plants support, angora goat support and meat market regulation support. These sectors are integral to the agricultural sector. Through providing breeders with financial support, the country provides responsible investment in agriculture and food systems.

On 1 June 2022, the Ministries of Agriculture and Forestry and the Ministry of National Education co-signed the Vocational and Technical Education Cooperation Protocol.²³⁵⁹ The cooperation protocol introduces and trains students about the agriculture and food sectors. This partnership denotes the importance Turkey holds in domestic agricultural production and works towards the commitment to create sustainable food systems.

On 6 June 2022, Minister Kirişci announced a 6-item package related to food security at the Food Security Crisis Mediterranean Ministerial Dialogue.²³⁶⁰ The 6-item package includes programs to bolster food security, food assistance for refugees and funding for seed and other agricultural technical expertise.

Turkey has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories:

²³⁵⁵ Ministry Of Agriculture And Forestry Starts Support Payments Of 156 Million 585 thousand TL Today, Ministry of Agriculture and Forestry (Ankara) 29 April 2022. Translation provided by Google Translate. Access Date: 28 May 2022.

²³⁵⁶ Ministry Of Agriculture And Forestry Starts 3 Billion 176 Million TL Support Payments Today, Ministry of Agriculture and Forestry (Ankara) 13 May 2022. Translation provided by Google Translate. Access Date: 29 May 2022. <https://www.tarimorman.gov.tr/Haber/5247/Tarim-Ve-Orman-Bakanligi-3-Milyar-176-Milyon-Liralik-Destek-Odemelerine-Bugun-Basliyor>

²³⁵⁷ 500 thousand seedlings were distributed to farmers from Ankara, Ministry of Agriculture and Forestry (Ankara) 17 May 2022. Translation provided by Google Translate. Access Date: 28 May 2022. <https://www.tarimorman.gov.tr/Haber/5253/Ankarali-Ciftcilere-500-Bin-Fide-Dagitildi>

²³⁵⁸ Ministry of Agriculture and Forestry Starts Support Payments of 1 Billion 44 Million TL Today, Ministry of Agriculture and Forestry (Ankara) 27 May 2022. Translation provided by Google Translate. Access Date: 29 May 2022. <https://www.tarimorman.gov.tr/Haber/5261/Tarim-Ve-Orman-Bakanligi-1-Milyar-44-Milyon-Liralik-Destek-Odemelerine-Bugun-Basliyor>

²³⁵⁹ A Cooperation Protocol In The Field Of Education Is Signed Between The Ministry Of Agriculture And Forest And National Education, Ministry of Agriculture and Forestry (Ankara) 1 June 2022. Translation provided by Google Translate. Access Date: 28 May 2022. <https://www.tarimorman.gov.tr/Haber/5264/Tarim-Ve-Orman-Ile-Milli-Egitim-Bakanliklari-Arasinda-Egitim-Alaninda-Is-Birligi-Protokolu-Imzalandi>

²³⁶⁰ Minister Kirişci Attended the Mediterranean Ministerial Dialogue Meeting on the Food Security Crisis, Ministry of Agriculture and Forestry (Ankara) 6 June 2022. Translation provided by Google Translate. Access Date: 12 June 2022. <https://www.tarimorman.gov.tr/Haber/5271/Bakan-Kirisci-Gida-Guvenligi-Krizi-Akdeniz-Bakanlar-Diyalogu-Toplantisina-Katildi>

to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by strengthening domestic agricultural production, resilient food systems by designing programs to bolster food security, agriculture innovation by envisioning future vegetation and increased access to finance through responsible investment in agriculture and food systems by funding breeders in different fields.

Thus, Turkey receives a score of +1.

Analyst: Zackery Martins

United Kingdom: +1

United Kingdom has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 14 December 2021, the government published a paper outlining their plan to strengthen the wider systems needed to end preventable deaths, reducing malnutrition through safe, healthier and sustainable food systems.²³⁶¹ The United Kingdom in this paper highlights how it plans to focus on four key pillars of action: Strong Health Systems, Human Rights, Gender and Equality, Healthier Lives and Safe Environments, Research, Technology and Innovation. This particular paper and its framework outlined highlight two key features discussed within the commitment relating to fostering sustainable and resilient food systems and agriculture innovation. The paper also touches on another key element of the commitment witnessed through the increase to finance and responsible investment.

On 17 December 2021, the United Kingdom and Australia signed a new free-trade agreement expected to increase trade by 53 per cent.²³⁶² This agreement means that Australian farmers will have improved access to over 65 million UK consumers, thereby strengthening bilateral trade in agricultural products.²³⁶³

On 27 December 2021, the Department for Environment, Food & Rural Affairs opened the UK Seafood Fund.²³⁶⁴ The GBP100 million fund will support the long-term future and provide sustainability for UK fisheries and the seafood sector. The fund is dedicated for reform, modernization and innovation in the field. These aspects aim to create an environmentally sustainable fishing industry.

On 6 January 2022, Secretary of State for Environment, Food and Rural Affairs George Eustice announced a Countryside Stewardship Scheme payment rate raise.²³⁶⁵ The 30 per cent increase will work toward providing farmers with financial compensation. The actions taken by MP Eustice specifically aid countryside environment and agriculture initiatives while contributing towards habitat restoration, specializing align with another section of the commitment relating to financing responsible investment.²³⁶⁶

²³⁶¹ Ending preventable deaths of mothers, babies and children by 2030: approach paper, Government of United Kingdom (London) 14 December 2021. Access Date: 3 February 2022. <https://www.gov.uk/government/publications/ending-preventable-deaths-of-mothers-babies-and-children-by-2030/ending-preventable-deaths-of-mothers-babies-and-children-by-2030-approach-paper#four-pillars-of-action>

²³⁶² Australia-United Kingdom Free Trade Agreement, Department of Foreign Affairs and Trade (Barton) 17 December 2021. Access Date: 14 May 2021. <https://www.dfat.gov.au/trade/agreements/not-yet-in-force/aukfta>

²³⁶³ New Era of Free Trade with the UK, Minister for Trade Tourism and Investment (Barton) 17 December 2021. Access Date: 16 May 2021. <https://www.trademinister.gov.au/minister/dan-tehan/media-release/new-era-free-trade-uk>

²³⁶⁴ UK Seafood Fund, Government of United Kingdom (London) 27 December 2021. Access Date: 10 March 2022. <https://www.gov.uk/guidance/uk-seafood-fund>

²³⁶⁵ Countryside Stewardship payment rates rise by 30%, Farmers Weekly (Sutton) 6 January 2022. Access Date: 3 February 2022. <https://www.fwi.co.uk/business/business-management/agricultural-transition/countryside-stewardship-payment-rates-rise-by-30>

²³⁶⁶ Landscape and Local Nature Recovery: What farmers need to know, Farmers Weekly (Sutton) 6 January 2022. Access Date: 3 February 2022. <https://www.fwi.co.uk/business/business-management/agricultural-transition/landscape-and-local-nature-recovery-what-farmers-need-to-know>

On 17 January 2022, Agriculture Minister Edwin Poots participated in the 76th Oxford Farming Conference reaffirming the governments' commitment towards viable, profitable and environmentally sustainable agri-food industry in Northern Ireland.²³⁶⁷ The conference this year focused on encouraging more environmentally responsible agricultural practices, supporting rural communities, and promoting public goods through its theme of "Routes to Resilience."²³⁶⁸

On 27 January 2022, Secretary Eustice launched the United Kingdom Agriculture Partnership to address common challenges facing agriculture and environment and technology to boost food production.²³⁶⁹ The United Kingdom Agriculture Partnership will share the United Kingdom-wide best practices relating to water quality across the agriculture sector, the role of agri-tech and to reduce pollution and carbon emissions in the sector. This announcement includes key features that are included in the commitment specifically relating to Responsible Investment and agriculture innovation to end hunger and malnutrition.

On 1 February 2022, the Department for Environment, Food and Rural Affairs introduced the funding for Landscape Recovery.²³⁷⁰ The funding will provide support for large, long-term landscape and ecosystem restoration projects. These projects can include the respiration of wilder landscapes, the creation and plantation of woodlands, and the support of peatlands and salt marches. The recipients of the funding will receive funding for up to 2 years to deliver the project and help secure private funding for long-term delivery. Farmers and farm tenants are eligible to apply, along with foresters, charities and collaborative groups. The Government of the United Kingdom is providing farmers and other agricultural and land actors in the country with opportunities to create innovative projects.

On 8 February 2022, the United Kingdom introduced and opened the application period for the Lump Sum Exit Scheme.²³⁷¹ The payment scheme provides lump sum payments for farmers in the UK who wish to retire or leave the farming industry. In return of the payment, farmers are expected to sell, rent their land or surrender tenancy to create new opportunities in their place for other farmers wishing to enter and expand their business.²³⁷² This action provides support for both old and new farmers, working towards their commitment to create responsible agricultural systems through investments.

On 18 February 2022, the Department for Environment, Food and Rural Affairs, Office of the Secretary of State for Scotland, Lord Offord of Garvel and MP Victoria Prentis delivered GBP1.4 million to projects supporting sustainable fishing and fisheries science.²³⁷³ The projects being funded will support the UK's fishing industry to be more productive and sustainable.

²³⁶⁷ Edwin Poots speaks at 76th Oxford Farming Conference, Government of UK Department of Agriculture, Environment and Rural Affairs (London) 7 January 2022. Access Date: 3 February 2022. <https://www.daera-ni.gov.uk/news/edwin-poots-speaks-76th-oxford-farming-conference>

²³⁶⁸ Edwin Poots speaks at 76th Oxford Farming Conference, Government of UK Department of Agriculture, Environment and Rural Affairs (London) 7 January 2022. Access Date: 3 February 2022. <https://www.daera-ni.gov.uk/news/edwin-poots-speaks-76th-oxford-farming-conference>

²³⁶⁹ UK partnership launched to tackle agricultural challenges, Government of the United Kingdom (London) 27 January 2022. Access Date: 3 February 2022. <https://www.gov.uk/government/news/uk-partnership-launched-to-tackle-agricultural-challenges>

²³⁷⁰ Apply for Landscape Recovery funding to protect native species and improve rivers, Government of United Kingdom (London) 1 February 2022. Access Date: 10 March 2022. <https://www.gov.uk/guidance/apply-for-landscape-recovery-funding-to-protect-native-species-and-improve-rivers>

²³⁷¹ Lump Sum Exit Scheme, Government of United Kingdom (London) 8 February 2022. Access Date: 10 March 2022. <https://www.gov.uk/government/collections/lump-sum-exit-scheme>

²³⁷² Exit scheme opens to support farmers who wish to leave the industry and create opportunities for new entrants, Government of United Kingdom (London) 12 April 2022. Access Date: 20 April 2022. <https://www.gov.uk/government/news/exit-scheme-opens-to-support-farmers-who-wish-to-leave-the-industry-and-create-opportunities-for-new-entrants>

²³⁷³ £1.4m delivered to projects supporting sustainable fishing and fisheries science across the UK, Government of United Kingdom (London) 18 February 2022. Access Date: 10 March 2022. <https://www.gov.uk/government/news/14m-delivered-to-projects-supporting-sustainable-fishing-and-fisheries-science-across-the-uk>

On 9 March 2022, the Department for Environment, Food & Rural Affairs along with the Rural Payments Agency introduced funding for farmers to improve and manage their land in a sustainable way.²³⁷⁴ Under the Sustainable Farming Incentive, the funding will provide farmers with the opportunity to build better storage of water and carbon, reduce levels of sediment, nutrients and chemical pollution in water, reduce greenhouse gas emissions, create better biodiversity, reduce risk of flooding, erosion and run-off and to restore peatlands. This action provides financial support for those in the agricultural industry, and will effectively provide farmers with environmentally sustainable methods of growth.

On 11 March 2022, the G7 agricultural ministers, including delegation from United Kingdom, met in Berlin.²³⁷⁵ They discussed global concerns regarding food insecurity and agriculture. One of the most prominently discussed issues were the facilitation of harvest in affected areas in the Ukraine due to their ongoing food crisis, in an effort to provide access to “sufficient, safe, affordable and nutritious food.”

On 25 May 2022, the Department for Environment, Food & Rural Affairs introduced the Genetic Technology Bill to accelerate and support the development of innovative technologies in growing more resistant, nutritious and productive crops.²³⁷⁶ The legislation removes unnecessary barriers to research gene editing technologies. This Bill enables the development and marketing of precision bred agriculture and livestock. The new breeding technologies will provide farmers and producers assistance in developing plant varieties and animals to create secure and sustainable food systems.

On 9 June 2022, Secretary Eustice announced grants up to GBP300,000 for farmers.²³⁷⁷ These grants aim to help farmers to purchase new equipment and to diversify their crops, thus encouraging further agricultural production and innovation.

The United Kingdom has fully complied with its commitment foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by investing in large scale land-restoration projects, resilient food systems by introducing farmers with environmentally sustainable methods to grow agricultural products, agricultural innovation by promoting innovative land recovery techniques and increased access to finance through responsible investment in agriculture and food systems by funding farmers to improve and manage their land in a sustainable way.

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

Analyst: Zackery Martins

United States: +1

United States has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

²³⁷⁴ Funding for farmers, Government of United Kingdom (London) 9 March 2022. Access Date: 20 April 2022.

<https://www.gov.uk/guidance/funding-for-farmers>

²³⁷⁵ G7 Extraordinary Agriculture Ministers' Meeting, Agriculture and Agri-Food (Berlin) 11 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/03/g7-extraordinary-agriculture-ministers-meeting.html>

²³⁷⁶ Genetic Technology Bill: enabling innovation to boost food security, Government of United Kingdom (London) 25 May 2022. Access Date: 1 June 2022. <https://www.gov.uk/government/news/genetic-technology-bill-enabling-innovation-to-boost-food-security>

²³⁷⁷ Up to 1000 farmers able to boost their businesses and add extra value to produce, Government of United Kingdom (London) 9 June 2022. Access Date: 12 June 2022. <https://www.gov.uk/government/news/up-to-1000-farmers-able-to-boost-their-businesses-and-add-extra-value-to-produce>

On 3 November 2021, Secretary of Agriculture Secretary Tom Vilsack and European Union Commissioner for Agriculture Janusz Wojciechowski issued a statement announcing a transatlantic collaboration platform aimed at tackling sustainable agriculture and climate change related problems.²³⁷⁸ This collaboration will help with reducing poverty and hunger, as well as encouraging agricultural innovation for sustainable production.

On 6 December 2021, the United States Department of Agriculture (USDA) announced the Local Food Purchase Assistance Cooperative Agreement Program (LFPA).²³⁷⁹ With a USD400 million fund, the program aims to assist emergency food purchases with an emphasis on local products. Purchases are required to be from historically discriminated against farmers and ranchers.

On 6 December 2021, the USDA announced the availability of USD50 million in funds for the Build Back Better Food System Transformation Initiative.²³⁸⁰ With this funding, the initiative, aimed at increasing support of food banks and local organizations so they can reliably serve their communities, is endeavoring to expand their reach to rural, tribal and other underserved areas.

On 9 December 2021, Secretary Vilsack announced the Food Supply Chain Guaranteed Loan Program.²³⁸¹ The program makes USD1 billion available in loan guarantees for food supply chain infrastructure. It aims to support farmers, increase access to healthier food, and eliminate congestion in the food supply chain.

On 16 December 2021, Secretary Vilsack announced a USD5.2 billion investment aimed at improving rural infrastructure and access to clean water in rural areas and Puerto Rico.²³⁸² 46 states and Puerto Rico have all been allocated funds targeted at water supply, food infrastructure, and power infrastructure.

On 4 February 2022, Secretary Vilsack and Secretaries of Agriculture and Rural Development in Mexico Víctor Villalobos Arámbula discussed bilateral cooperation to expand the two countries' respective agri-food sectors.²³⁸³ The meeting emphasized collaborations and the use of innovative technology to enable the highest production quality that meet economic and environmental needs.

²³⁷⁸ U.S. and EU launch collaboration platform on agriculture (Brussels) 3 November 2021. Access Date: 11 February 2022. <https://www.usda.gov/media/press-releases/2021/11/03/us-eu-launch-collaboration-platform-agriculture>

²³⁷⁹ USDA Establishes Food Purchase Program to Transform the Food System, Build Back Better via Local Food Purchase, U.S. Department of Agriculture (Washington) 6 December 2021. Access Date: 12 February 2021. <https://www.fns.usda.gov/news-item/usda-0264.21>

²³⁸⁰ USDA Establishes Food Purchase Program to Transform the Food System, Build Back Better via Local Food Purchase, U.S. Department of Agriculture (Washington) 6 December 2021. Access Date: 12 February 2021. <https://www.fns.usda.gov/news-item/usda-0264.21>

²³⁸¹ USDA Launches Loan Guarantee Program to Create More Market Opportunities, Promote Competition and Strengthen America's Food Supply Chain, U.S. Department of Agriculture (Washington) 9 December 2021. Access Date: 12 February 2021. <https://www.usda.gov/media/press-releases/2021/12/09/usda-launches-loan-guarantee-program-create-more-market>

²³⁸² USDA Invests \$5.2 Billion to Build and Improve Critical Rural Infrastructure in 46 States and Puerto Rico, U.S. Department of Agriculture (Washington) 16 December 2021. Access Date: 12 February 2021. <https://www.usda.gov/media/press-releases/2021/12/16/usda-invests-52-billion-build-and-improve-critical-rural>

²³⁸³ Secretaries of Agriculture of Mexico and the United States review progress in bilateral agenda in the agri-food sector, Ministry of Agriculture and Rural Development (Ciudad de México) 4 February 2022. Translation provided by Google Translate. Access Date: 9 February 2022. <https://www.gob.mx/agricultura/prensa/revisan-secretarios-de-agricultura-de-mexico-y-estados-unidos-avances-en-agenda-bilateral-en-el-sector-agroalimentario-294056?idiom=es>

On 1 March 2022, Secretary Vilsack announced supplemental funding for the Local Agriculture Market Program (LAMP).²³⁸⁴ The program will receive USD130 million in supplemental funding. LAMP aims to encourage competition and generate more and better markets for local and regional food producers.²³⁸⁵

On 11 March 2022, the G7 agricultural ministers, including delegation from United States, met in Berlin.²³⁸⁶ They discussed global concerns regarding food insecurity and agriculture. One of the most prominently discussed issues were the facilitation of harvest in affected areas in the Ukraine due to their ongoing food crisis, in an effort to provide access to “sufficient, safe, affordable and nutritious food.”

On 24 May 2022, an initiative for climate change was announced by the “Quad countries:” Japan, India, Australia and the United States.²³⁸⁷ This initiative in part addresses promoting sustainable agricultural endeavors as well as promoting food security.

On 3 June 2022, the USDA announced the release of USD43.1 million for grants and cooperative agreements, and 6 urban county committees to help USDA programs reach urban producers.²³⁸⁸ The grants will be used to expand compost and food waste reduction initiatives, as well as to support the development of innovative urban agriculture production projects. FSA Administrator Zach Ducheneaux expressed that the 6 new urban county committees “will work to encourage and promote urban agriculture and address areas such as food and program access, community engagement and food security.”

On 10 June 2022, the USDA stated that they would develop a pilot program project in collaboration with the other federal agencies to address labor shortages in agriculture, improve working conditions for agricultural workers and address the elevated levels of irregular migration in the US.²³⁸⁹ Up to USD65 million will be invested into this pilot program.

The United States has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agriculture innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by allocating funds to stabilize the food supply chain, resilient food systems by supporting emergency food, agriculture innovation by developing innovative urban agriculture production

²³⁸⁴ USDA Announces Supplemental American Rescue Plan Funding Available through the Local Agriculture Market Program, Including Funding to Expand Farm-to-Institution Opportunities, U.S. Department of Agriculture (Washington) 1 March 2022. Access Date: 12 June 2022. <https://www.usda.gov/media/press-releases/2022/03/01/usda-announces-supplemental-american-rescue-plan-funding-available>

²³⁸⁵ USDA Announces Supplemental American Rescue Plan Funding Available through the Local Agriculture Market Program, Including Funding to Expand Farm-to-Institution Opportunities, U.S. Department of Agriculture (Washington) 1 March 2022. Access Date: 12 June 2022. <https://www.usda.gov/media/press-releases/2022/03/01/usda-announces-supplemental-american-rescue-plan-funding-available>

²³⁸⁶ G7 Extraordinary Agriculture Ministers’ Meeting, Agriculture and Agri-Food (Berlin) 11 March 2022. Access Date: 14 May 2022. <https://www.canada.ca/en/agriculture-agri-food/news/2022/03/g7-extraordinary-agriculture-ministers-meeting.html>

²³⁸⁷ Quad Cooperation in Climate Change and launch of the Quad Climate Change Adaptation and Mitigation Package (Q-CHAMP), Ministry of Foreign Affairs (Tokyo) 24 May 2022. Access Date: 4 June 2022. <https://www.mofa.go.jp/files/100348057.pdf>

²³⁸⁸ USDA Advances Food System Transformation with \$43 Million for Urban Agriculture and Innovative Production, Adds New Urban County Committees, U.S. Department of Agriculture (Washington) 3 June 2022. Access Date: 12 June 2022. <https://www.usda.gov/media/press-releases/2022/06/03/usda-advances-food-system-transformation-43-million-urban>

²³⁸⁹ U.S. Department of Agriculture to Invest up to \$65 Million in Pilot Program to Strengthen Food Supply Chain, Reduce Irregular Migration, and Improve Working Conditions for Farmworkers, U.S. Department of Agriculture (Washington) 10 June 2022. Access Date: 12 June 2022. <https://www.usda.gov/media/press-releases/2022/06/10/us-department-agriculture-invest-65-million-pilot-program>

projects and increased access to finance through responsible investment in agriculture and food systems by enhancing markets for local and regional agricultural producers.

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

Analyst: Tiya Raina

European Union: +1

European Union has fully complied with its commitment to foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment.

On 15 December 2021, the European Union allocated EUR185.9 million to the production of agri-food products within and outside the EU, which is in line with the European Green Deal ambitions.²³⁹⁰ This funding will contribute to products and practices including sustainable agriculture, organic products and animal welfare.

On 3 November 2021, European Union Commissioner for Agriculture Janusz Wojciechowski and United States Secretary of Agriculture Secretary Tom Vilsack issued a statement announcing a transatlantic collaboration platform aimed at tackling sustainable agriculture and climate change related problems.²³⁹¹ This collaboration with aid with reducing poverty and hunger, as well as encouraging agricultural innovation for sustainable production.

On 15 November 2021, the fourth meeting of the EU-Canada Comprehensive Economic Trade Agreement (CETA) took place virtually, alongside the Canada-European Union Agriculture Dialogue.²³⁹² This meeting featured “a commitment to maintain a positive collaborative approach” and considered several agri-food products important in bilateral trade to promote the resilience of regional food systems.

On 26 November 2021, European Union lawmakers finalized reforms for the Common Agricultural Policy which will provide aid to farmers, to help deal with fluctuations in the food markets and guarantee food security.²³⁹³ These new reforms will ensure that 25 per cent of direct payments are dedicated to environmental and climate measures. The reforms will also provide EUR270 billion to farmers.

On 7 December 2021, the European Union Commission announced a pledge of EUR2.5 billion to reduce all forms of malnutrition in the European Union, which includes humanitarian assistance to cover immediate needs and support to tackle the underlying causes of malnutrition.²³⁹⁴ The pledge will guarantee food security and induce transformations for longer-term secure food systems.

²³⁹⁰ EU announces continuation of strong support to promote sustainable agri-food products in 2022, European Commission (Brussels) 15 December 2021. Access Date: 11 February 2022.

https://ec.europa.eu/commission/presscorner/detail/en/IP_21_6839

²³⁹¹ U.S. and EU launch collaboration platform on agriculture (Brussels) 3 November 2021. Access Date: 11 February 2022.

<https://www.usda.gov/media/press-releases/2021/11/03/us-eu-launch-collaboration-platform-agriculture>

²³⁹² Meeting of the EU-Canada CETA Committee on Agriculture and Agriculture Dialogue – November 15, 2021, Global Affairs Canada (Ottawa) 4 February 2022. Access Date: 9 February 2022. https://www.international.gc.ca/trade-commerce/trade-agreements-accords-commerciaux/agr-acc/ceta-aecg/2021-11-15_ceta_comm_agri-2021-11-15_comite_agri_aecg.aspx?lang=eng

²³⁹³ The European Union finalizes new reforms for Common Agricultural Policy, Euronews (Lyon) 26 November 2021. Access Date: 11 February 2022. <https://www.euronews.com/green/2021/11/26/cap-what-is-the-eu-s-common-agricultural-policy-and-why-is-it-trending>

²³⁹⁴ EU pledges EUR2.5 billion to combat malnutrition, European Commission (Brussels) 7 December 2021. Access Date: 11 February 2022. https://ec.europa.eu/commission/presscorner/detail/en/ip_21_6644

On 21 January 2022, the EU announced new rules on veterinary medicines that allow farmers to have larger access to a wider range of options for preventing livestock diseases.²³⁹⁵ This will ensure better health and productivity for livestock, ensuring better food supply and profitability for farmers.

On 21 February 2022, Agricultural Ministers of the Council of the EU held a debate on the proposal from the European Union Commission for a regulation on deforestation-free products.²³⁹⁶ The goal for this will be to reduce the European Union's impact on deforestation and allow for sustainable production.

On 23 March 2022, the EU presented a food security strategy consisting of short-term and medium-term actions to further food security and support farmers.²³⁹⁷ These actions will aid people in the context of rising food prices and input costs resulted from a surge in commodity prices, furthered by Russia's invasion of Ukraine.

On 3 May 2022, the EU's action plan for organic agriculture was adopted by the European Parliament.²³⁹⁸ The action plan aims to improve organic farming for climate change mitigation, biodiversity and soil protection.

The European Union has fully complied with its commitment foster sustainable and resilient food systems and agriculture innovation, which are vital to end hunger and malnutrition, eradicate poverty and ensure sustainability, also by increasing access to finance through responsible investment. It has taken actions in all the following categories: to foster sustainable food systems, resilient food systems, agricultural innovation and increase access to finance through responsible investment in agriculture and food systems. It has addressed sustainable food systems by reducing unsustainable processes, resilient food systems by responding to crises, agriculture innovation by promoting collaboration and increased access to finance through responsible investment in agriculture and food systems by allocating funds to farmers.

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

Analyst: Manabil Malik

²³⁹⁵ EU rules announced to help farmers prevent costly disease outbreaks, Euronews (Lyon) 21 January 2022. Access Date: 11 February 2022. <https://www.euronews.com/2022/01/20/new-eu-rules-will-help-farmers-prevent-costly-disease-outbreaks-view>

²³⁹⁶ The Agriculture and Fisheries Council announced a debate on 21 February 2022 aimed at reducing deforestation, European Council (Brussels) Access Date: 11 February 2022. <https://www.consilium.europa.eu/en/meetings/agrifish/2022/02/21/>

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