



www.g7.utoronto.ca

2023 G7 Hiroshima Summit Interim Compliance Report

22 May 2023 to 3 December 2023

Prepared by
Samraggi Hazra and Ambra Bisagni
and the G7 Research Group
19 February 2024

www.g7.utoronto.ca • g7@utoronto.ca • [@g7_rg](https://twitter.com/g7_rg)

“We have meanwhile set up a process and there are also independent institutions monitoring which objectives of our G7 meetings we actually achieve. When it comes to these goals we have a compliance rate of about 80%, according to the University of Toronto. Germany, with its 87%, comes off pretty well. That means that next year too, under the Japanese G7 presidency, we are going to check where we stand in comparison to what we have discussed with each other now. So a lot of what we have resolved to do here together is something that we are going to have to work very hard at over the next few months. But I think that it has become apparent that we, as the G7, want to assume responsibility far beyond the prosperity in our own countries. That’s why today’s outreach meetings, that is the meetings with our guests, were also of great importance.”

Chancellor Angela Merkel, Schloss Elmau, 8 June 2015

G7 summits are a moment for people to judge whether aspirational intent is met by concrete commitments. The G7 Research Group provides a report card on the implementation of G7 and G20 commitments. It is a good moment for the public to interact with leaders and say, you took a leadership position on these issues — a year later, or three years later, what have you accomplished?

Achim Steiner, Administrator, United Nations Development Programme,
in G7 Canada: The 2018 Charlevoix Summit

Contents

Introduction.....	3
Research Team	4
Compliance Analysts	4
Summary	6
The Interim Compliance Score	6
Compliance by Member	6
Compliance by Commitment.....	6
The Compliance Gap Between Members.....	6
Future Research and Reports.....	7
Table A: 2023 Priority Commitments Selected for Assessment*	7
Table B: 2023 G7 Hiroshima Interim Compliance Scores	9
Table C: 2023 G7 Hiroshima Interim Compliance Scores by Member.....	10
Table D: 2023 G7 Hiroshima Interim Compliance Scores by Commitment	11
1. Regional Security: Sanctions	12
2. Regional Security: Security Assistance for Ukraine.....	34
3. Non-Proliferation: Responsible Nuclear Supply Chain	51
4. Climate Change: Domestic Mitigation Measures	74
5. Climate Change: Emission Reduction Policies	91
6. Energy: Clean Energy Technologies	108
7. Energy: Low Carbon and Renewable Hydrogen Markets	152
8. Environment: Conservation Measures.....	207
9. Food and Agriculture: Healthy and Safe Diets.....	226
10. Food and Agriculture: Food Safety and Sustainable Production	245
11. Health: Life Expectancy.....	273
12. Human Rights: Forced Labour	325
13. Education: Inclusivity and Equity	337
14. Gender: Labour Markets.....	355
15. Labour and Employment: Job Creation	370
16. Digital Economy: Digital Ecosystem with Trust	386
17. Macroeconomics: Fiscal Sustainability and Price Stability.....	402
18. Crime and Corruption: Synthetic Drugs.....	426
19. Development: Official Development Assistance.....	440
20. Trade: Resilient Supply Chains.....	470

20. Trade: Resilient Supply Chains

“We will enhance resilient supply chains through partnerships around the world, especially for critical goods such as critical minerals, semiconductors and batteries.”

G7 Leaders’ Statement on Economic Resilience and Economic Security

Assessment

	No Compliance	Partial Compliance	Full Compliance
Canada			+1
France			+1
Germany		0	
Italy		0	
Japan			+1
United Kingdom			+1
United States			+1
European Union		0	
Average		+0.63 (81%)	

Background

The issue of trade has been constant issue at G7 summits since the beginning, with the incorporation of resilience as a target focus in recent summits. Supply chains have been negatively affected due to “natural disasters, pandemics, geopolitical tensions and coercion.”²⁶⁵⁴ Although discussions that directly address supply chains were first brought up at the 2020 Virtual Summit under the US presidency, commitments to free and fair trade have been present since the 1975 Rambouillet Summit.²⁶⁵⁵ Following the 2023 Hiroshima Summit the G7 seeks to build upon these commitments by fostering sustainable supply chains, specifically in low to middle-income countries and in collaboration with the World Trade Organization (WTO) to rebuild the weakened economy and create “resilient” and “sustainable” supply chains in preparations for future economic shocks.²⁶⁵⁶ Practising “transparency, diversification, security, sustainability, and trustworthiness, especially in the mineral, semiconductor and battery markets,” the G7 seeks to strengthen supply chain networks throughout the world.

At the 1975 Rambouillet Summit, G7 leaders addressed the need for sustainable economic growth, specifically mentioning the importance of contributing to sustainable economies in developing countries through the International Monetary Fund (IMF).²⁶⁵⁷ G7 leaders additionally committed to “steady development in the world energy market” which is built upon in future summits.

At the 1978 Bonn Summit, trade became a significant subsection in the summit statement.²⁶⁵⁸ G7 members expressed support for the Tokyo Round of Multilateral Trade Negotiations which aimed at trade liberalization.

²⁶⁵⁴ G7 Leaders’ Statement on Economic Resilience and Economic Security, G7 Information Centre (Toronto) 20 May 2023. Access Date: 1 October 2023. <http://www.g7.utoronto.ca/summit/2023hiroshima/230520-economy.html>

²⁶⁵⁵ Declaration of Rambouillet, G7 Information Centre (Toronto) 17 November 1975. Access Date: 1 October 2023. <http://www.g7.utoronto.ca/summit/1975rambouillet/communique.html>

²⁶⁵⁶ G7 Leaders’ Statement on Economic Resilience and Economic Security, G7 Information Centre (Toronto) 20 May 2023. Access Date: 1 October 2023. <http://www.g7.utoronto.ca/summit/2023hiroshima/230520-economy.html>

²⁶⁵⁷ Declaration of Rambouillet, G7 Information Centre (Toronto) 17 November 1975. Access Date: 1 October 2023. <http://www.g7.utoronto.ca/summit/1975rambouillet/communique.html>

²⁶⁵⁸ Declaration, G7 Information Centre (Toronto) 17 July 1978. Access Date: 22 November 2023. <http://www.g7.utoronto.ca/summit/1978bonn/communique.html>

At the 1984 London Summit, the G7 members emphasized the need for trade liberalization.²⁶⁵⁹ The members focused on the General Agreement of Tariffs and Trade (GATT) as a catalyst for trade liberalization.

At the 1993 Tokyo Summit, G7 members applauded the ending of the Uruguay Round.²⁶⁶⁰ The benefits of this would be a better position for consumers and producers, the integration of other countries into the economy, and more.

At the 2007 Heiligendamm Summit, minerals were highlighted by the G7 members as an area that should be further expanded upon for sustainable growth and in trade.²⁶⁶¹ Raw materials of both primary as well as secondary minerals are encouraged with compliance.

At the 2018 Charlevoix Summit, G7 leaders reaffirmed their commitment to the G20 2017 Hamburg Summit which emphasized the importance of international trade and denounced protectionism.²⁶⁶² Leaders similarly committed to continuing multilateral trade agreements with the WTO.

At the 2020 US Summit, G7 leaders committed to “Implement swiftly the international financial assistance” to all following the Covid-19 economic shock.²⁶⁶³ G7 leaders strongly committed to the IMF and WTO, expressing a desire to increase multilateral economic support and supply chain resilience.

At the 2021 Cornwall Summit, G7 leaders committed to contribute more to the standing recovery plan of USD12 trillion that was implemented in 2020.²⁶⁶⁴ They recommitted to multilateral support amongst all countries and all income levels.

At the 2022 Elmau Summit, G7 leaders committed to further strengthen supply chain resilience.²⁶⁶⁵ The G7 pledged to work toward balancing the world economy without “raising costs of living for (our) citizens” amid Russia’s “Unjustifiable war of aggression against Ukraine.”

Commitment Features

At the 2023 Hiroshima Summit, G7 leaders committed to “enhanc[ing] resilient supply chains through partnerships around the world, especially for critical goods such as critical minerals, semiconductors and batteries.”²⁶⁶⁶ There are two broad components to this commitment, with the latter having three distinct parts: the enhancement of resilient supply chains through partnerships, and the focus on critical minerals, semiconductors and batteries.

“Enhance” is understood to mean to “heighten or intensify.”²⁶⁶⁷

²⁶⁵⁹ The London Economic Declaration, G7 Information Centre (Toronto) 9 June 1984. Access Date: 22 November 2023. <http://www.g7.utoronto.ca/summit/1984london/communique.html>

²⁶⁶⁰ Economic Declaration: A Strengthened Commitment to Jobs and Growth, G7 Information Centre (Toronto) 6-9 July 1993. Access Date: 22 November 2023. <http://www.g7.utoronto.ca/summit/1993tokyo/communique/index.html>

²⁶⁶¹ Growth and Responsibility in the World Economy, G7 Information Centre (Toronto) 7 June 2007. Access Date: 22 November 2023. <http://www.g7.utoronto.ca/summit/2007heiligidamm/g8-2007-economy.html>

²⁶⁶² The Charlevoix G7 Summit Communiqué, G7 Information Centre (Toronto) 9 June 2018. Access Date: 1 October 2023. <http://www.g7.utoronto.ca/summit/2018charlevoix/communique.html>

²⁶⁶³ G7 Leaders’ Statement, G7 Information Centre (Toronto) 16 March 2020. Access Date: 1 October 2023. <http://www.g7.utoronto.ca/summit/2020usa/covid-200316.html>

²⁶⁶⁴ Carbis Bay G7 Summit Communiqué, G7 Information Centre (Toronto) 13 June 2021. Access Date: 1 October 2023. <http://www.g7.utoronto.ca/summit/2021cornwall/210613-communique.html>

²⁶⁶⁵ G7 Leaders’ Communiqué, G7 Information Centre (Toronto) 28 June 2022. Access Date: 1 October 2023. <http://www.g7.utoronto.ca/summit/2022elmau/220628-communique-summary.html>

²⁶⁶⁶ G7 Hiroshima Leaders’ Communiqué, G7 Information Centre (Toronto) 20 May 2023. Access Date: 29 September 2023. <http://www.g7.utoronto.ca/summit/2023hiroshima/230520-communique.html>

²⁶⁶⁷ Compliance Coding Manual for International Institutional Commitments, Global Governance Program (Toronto) 12 November 2020. Access Date: 29 September 2023. <http://www.g7.utoronto.ca/compliance/>

“Critical minerals” are defined by the International Energy Agency as “copper, lithium, nickel, cobalt and rare earth elements” and are used in energy technologies and transition.²⁶⁶⁸

In the context of the commitment “partnerships” are interpreted as referring to bilateral or multilateral agreements, that can be among countries, or among the G7 countries and non-state actors, such as the private sector or civil society.

Compliance with the first part of the commitment, the enhancement of resilient supply chains through partnerships includes the forming of agreements with respect to the global supply chain. To receive full compliance, members must engage in supply chain monitoring and be responsive to potential shocks. Members must also engage in private sector and bilateral discussions and agreements centred around enhancing supply chain resilience.

Compliance with the second part of the agreement, the focus on critical minerals, semiconductors, and batteries concern supply chain efforts in those areas. Full compliance includes trade agreements signed for these materials as well as efforts towards managing the global supply chain in this regard. In addition, changes to supply chain management, in order to responsibly manage these materials will be counted for full compliance.

Full compliance, or a score of +1, will be given to G7 members that take strong action to enhance resilient supply chains with a focus on critical minerals, semiconductors and batteries, engaging in more than one partnership to this end. Examples of strong actions include signing treaties for enhanced supply chain monitoring, developing short- or long-term plans for enhanced supply chain monitoring and responsiveness to potential shocks, and filing supply chain related disputes with the WTO. For full compliance with the second part of the commitment, examples of strong actions include those previously mentioned, with a focus on critical minerals, semiconductors and batteries and signing trade agreements or entering trade negotiations for any of these materials.

Partial compliance, or a score of 0, will be assigned to G7 members that engaged in one partnership addressing critical minerals, semiconductors or batteries or that engage in more than one partnership, but do not fulfill the second part of the commitment related to critical minerals, semiconductors or batteries. Partial compliance will also be assigned to G7 members that only take weak action on both parts of the commitment. Examples of weak actions include verbal reaffirmation of the commitment, attendance of meetings regarding enhancing resilient supply chains with respect to critical minerals, semiconductors and batteries and passive participation in bilateral or multilateral talks centering around supply chains or critical minerals, semiconductors and batteries which do not result in further agreements or plans.

Non-compliance, or a score of -1, will be assigned if the G7 member does engage in any partnerships related to enhancing resilient supply chains with or without respect to critical minerals, semiconductors or batteries, or takes action to prevent the enhancement of resilient supply chains through partnerships.

²⁶⁶⁸ Critical Minerals, International Energy Agency (Paris) 1 July 2023. Access Date: 29 September 2023. <https://www.iea.org/topics/critical-minerals>

Scoring Guidelines

-1	G7 member did not engage in partnership for resilient supply chains or took action to prevent the enhancement of resilient supply chains through partnerships.
0	The G7 member engaged with only one partnership for resilient supply chains that sought to enhance resilience for either critical minerals, semiconductors or batteries supply chains, or more than one partnership for supply chain resilience but none explicitly sought to enhance the three specified materials.
+1	The G7 member created or strongly engaged with more than one partnership for resilient supply chains that sought to enhance resilience for critical minerals, semiconductors and batteries supply chains.

*Compliance Director: Brinda Batra
Lead Analyst: Maeve Kelly*

Canada: +1

Canada has fully complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries.

On 23 May 2023, the Minister of International Trade, Export Promotion, Small Business and Economic Development Mary Ng declared that there would be further collaboration on the Canada-Africa Economic Cooperation Strategy.²⁶⁶⁹ This announcement reiterated Canada’s commitment to diversifying trade and identifying opportunities for investment with African partners.

On 9 June 2023, Minister Ng joined in the Ministerial Council Meeting for the Organisation for Economic Co-operation and Development.²⁶⁷⁰ Minister Ng reaffirmed Canada’s commitment to improving trade and the economy since Russia’s invasion of Ukraine. After the meeting, members endorsed a joint statement on their commitment to “maintaining and strengthening the rules-based international economic order, and to building a strong, sustainable and inclusive future.”²⁶⁷¹

On 26 June 2023, Prime Minister Justin Trudeau had a meeting with the leaders of the Nordic countries.²⁶⁷² Prime Minister Trudeau emphasized the partnership between Canada and the Nordic Region. Additionally, Prime Minister Trudeau emphasized trade relations and explained the Sustainable Critical Minerals Strategy as Canada’s way to creating resilient supply chains for critical raw minerals.

On 5 July 2023, Minister Ng met with United States Trade Representative Katherine Tai and Mexico’s Secretary of Economy Raquel Buenrostro for the third meeting for the Canada-United States-Mexico Agreement.²⁶⁷³ Minister Ng emphasized “the important contributions of Canadian mining companies to the development of

²⁶⁶⁹ Minister Ng launches public consultations on Canada-Africa Economic Cooperation Strategy, Global Affairs Canada (Ottawa) 23 May 2023. Access Date: 25 November 2023. <https://www.canada.ca/en/global-affairs/news/2023/05/minister-ng-launches-public-consultations-on-canada-africa-economic-cooperation-strategy.html>

²⁶⁷⁰ Minister Ng meets with OECD and international partners to advance trade and economic priorities, Global Affairs Canada (Paris) 9 June 2023. Access Date: 25 November 2023. <https://www.canada.ca/en/global-affairs/news/2023/06/minister-ng-meets-with-oecd-and-international-partners-to-advance-trade-and-economic-priorities.html>

²⁶⁷¹ Minister Ng meets with OECD and international partners to advance trade and economic priorities, Global Affairs Canada (Paris) 9 June 2023. Access Date: 25 November 2023. <https://www.canada.ca/en/global-affairs/news/2023/06/minister-ng-meets-with-oecd-and-international-partners-to-advance-trade-and-economic-priorities.html>

²⁶⁷² Prime Minister strengthens partnerships with Nordic countries, Prime Minister of Canada (Vestmannaeyjar) 26 June 2023. Access Date: 25 November 2023. <https://www.pm.gc.ca/en/news/news-releases/2023/06/26/prime-minister-justin-trudeau-strengthens-partnerships-nordic-countries>

²⁶⁷³ Minister Ng concludes successful Canada-United States-Mexico Agreement Free Trade Commission meeting, Global Affairs Canada (Cancún) 7 July 2023. Access Date: 25 November 2023. <https://www.canada.ca/en/global-affairs/news/2023/07/minister-ng-concludes-successful-canada-united-states-mexico-agreement-free-trade-commission-meeting.html>

the Mexican economy, including to the critical minerals supply chain, which is central to building the clean economy of the future.”

On 24 August 2023, Minister Ng attended the G20 Trade and Investment Ministers Meeting.²⁶⁷⁴ Minister Ng reaffirmed Canada’s commitment to collaborating with G20 members to reduce issues in global supply chains. Minister Ng also restated Canada’s collaborative effort in addressing the negative trade and economic impacts felt by Russia’s war with Ukraine.

On 5 September 2023, Prime Minister Trudeau met the President of Indonesia, Joko Widodo.²⁶⁷⁵ The leaders discussed increasing economic ties. Prime Minister Trudeau appointed the first Canadian Indo-Pacific Trade Representative, one of the primary goals being to improve supply chain resilience.

On 8 September 2023, Prime Minister Trudeau had a meeting with Prime Minister of Singapore Lee Hsien Loong to discuss increasing trade partnership.²⁶⁷⁶ Topics discussed included strategies to build reliable, responsible and resilient supply chains.

On 21 September 2023, Minister Ng, Minister of Innovation, Science and Technology François-Philippe Champagne and Minister of Energy and Natural Resources Jonathan Wilkinson signed two memorandums for cooperation with Japanese Minister of Economy, Trade and Industry Yasutoshi Nishimura.²⁶⁷⁷ The first was a memorandum of cooperation for battery supply chains which “supports cooperation between Canada and Japan in establishing sustainable and reliable global battery supply chains.” The second memorandum concerned Industrial Science and Technology.

On 28 September 2023, Minister Wilkinson declared the recent Canada-France Bilateral Dialogue on Critical Minerals in tandem with France’s Minister of Energy Transition Agnès Pannier-Runacher.²⁶⁷⁸ This action aims to help strengthen supply chains and further trade investments.

On 5 October 2023, Canada, along with the United Kingdom, Australia, Japan and the United States, created a coalition to advance security priorities regarding telecommunications.²⁶⁷⁹ This coalition, titled the Global Coalition on Telecommunications, will strive to ensure supply chain resiliency by concentrating efforts on strengthening and protecting critical communications networks. This move indicates the correlation of supply chain resiliency to telecommunications and technological advancement. Further, the United Kingdom’s participation aims to broaden the global telecoms supply chains and trade supply chains by British telecommunications networks.

²⁶⁷⁴ Minister Ng underscores importance of collaboration at G20 Trade and Investment Ministers Meeting, Global Affairs Canada (Ottawa) 29 August 2023. Access Date: 26 November 2023. <https://www.canada.ca/en/global-affairs/news/2023/08/minister-ng-underscores-importance-of-collaboration-at-g20-trade-and-investment-ministers-meeting.html>

²⁶⁷⁵ Prime Minister visits Indonesia, welcomes a new chapter in the Canada-ASEAN relationship, Prime Minister of Canada (Jakarta) 5 September 2023. Access Date: 26 November 2023. <https://www.pm.gc.ca/en/news/news-releases/2023/09/05/prime-minister-visits-indonesia-welcomes-new-chapter-canada-asean>

²⁶⁷⁶ Prime Minister advances trade ties, investment, and innovation with Singapore, Prime Minister of Canada (Singapore) 8 September 2020. Access Date: 26 November 2023. <https://www.pm.gc.ca/en/news/news-releases/2023/09/08/prime-minister-advances-trade-ties-investment-and-innovation>

²⁶⁷⁷ Canada Welcomes Japan’s Minister of Economy, Trade and Industry, Global Affairs Canada (Ottawa) 23 September 2023. Access Date: 26 November 2023. <https://www.canada.ca/en/global-affairs/news/2023/09/canada-welcomes-japans-minister-of-economy-trade-and-industry.html>

²⁶⁷⁸ Minister Wilkinson Champions Investments in Critical Minerals and Clean Energy, Natural Resources Canada (Ottawa) 29 September 2020. Access Date: 26 November 2023. <https://www.canada.ca/en/natural-resources-canada/news/2023/09/minister-wilkinson-champions-investments-in-critical-minerals-and-clean-energy.html>

²⁶⁷⁹ UK joins leading nations to form new telecoms coalition and invests £70 million in new future telecoms technologies. Department for Science, Innovation and Technology (London). 5 October 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/uk-joins-leading-nations-to-form-new-telecoms-coalition-and-invests-70-million-in-new-future-telecoms-technologies>

On 10 October 2023, Minister Ng participated in the Africa Accelerating 2023 conference in Toronto.²⁶⁸⁰ Minister Ng expressed support for the African Continental Free Trade Area and met with Deputy Prime Minister and Minister for the Economy of the Democratic Republic of Congo Vital Kamerhe. Topics discussed included diversifying commercial trade and investment ties, particularly in the mining sector.

On 13 October 2023, Deputy Prime Minister and Minister of Finance Chrystia Freeland had a meeting with G7 and G20 Finance Ministers. The Deputy Prime Minister committed CAD5 million for Japan's Resilient and Inclusive Supply-Chain Enhancement Partnership.²⁶⁸¹ This partnership works to increase shared critical minerals supply chains.

On 16 October 2023, Canada, as a member of the Agile Nations, a trilateral organization between the United Kingdom, Japan and Canada, published joint recommendations on constructing a regulatory framework for fusion energy facilities.²⁶⁸² Initial recommendations recognize the significance of fusion energy on solidifying energy security and recognizing the need for a coherent trilateral approach to diversify and enhance supply chain resilience.

On 17 October 2023, Prime Minister Trudeau went to the Canada-Caribbean Community Summit (CARICOM).²⁶⁸³ Prime Minister Trudeau discussed investment and trade with leaders of the CARICOM and investors. They discussed how to increase the diversity within the trade sector.

On 3 November 2023, Prime Minister Trudeau participated in the Americas Partnership for Economic Prosperity (APEP) Leaders' Summit.²⁶⁸⁴ The leaders discussed increasing supply chain resilience in specifically critical sectors. Additionally, the leaders issued a joint declaration to highlight priorities and inform APEP's commitment to work with partners to build an economy that works for people in the region.

On 17 November 2023, during the meeting of Asia Pacific Economic Cooperation (APEC) leaders, Prime Minister Trudeau made a speech stating that the summit was an important follow-up to Canada's Indo-Pacific Strategy, demonstrating Canada's determination to work with regional economies to improve supply chain resilience.²⁶⁸⁵

²⁶⁸⁰ Minister Ng concludes participation in Africa Accelerating conference, Global Affairs Canada (Toronto) 10 October 2023. Access Date: 26 November 2023. <https://www.canada.ca/en/global-affairs/news/2023/10/minister-ng-concludes-participation-in-africa-accelerating-conference.html>

²⁶⁸¹ Deputy Prime Minister concludes successful meetings of G7 and G20 Finance Ministers and Annual Meetings of the IMF and World Bank, Department of Finance Canada (Marrakech) 14 October 2023. Access Date: 26 November 2023. <https://www.canada.ca/en/department-finance/news/2023/10/deputy-prime-minister-concludes-successful-meetings-of-g7-and-g20-finance-ministers-and-annual-meetings-of-the-imf-and-world-bank.html>

²⁶⁸² Agile Nations: UK, Japan and Canada joint recommendations on fusion energy. Department of Energy Security and Net Zero (London). 16 October 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/publications/agile-nations-uk-japan-and-canada-joint-recommendations-on-fusion-energy>

²⁶⁸³ Prime Minister strengthens trade and investment with Caribbean countries and concludes the Canada-CARICOM Summit, Prime Minister of Canada (Ottawa) 19 October 2023. Access Date: 26 November 2023. <https://www.pm.gc.ca/en/news/news-releases/2023/10/19/prime-minister-strengthens-trade-and-investment-caribbean-countries>

²⁶⁸⁴ Working with APEP partners to build our clean economies and create good, middle-class jobs, Prime Minister of Canada (Washington, D.C.) 3 November 2023. Access Date: 26 November 2023. <https://www.pm.gc.ca/en/news/news-releases/2023/11/03/working-apep-partners-build-our-clean-economies-and-create-good-jobs>

²⁶⁸⁵ Creating opportunities for Canadians and advancing collaboration with APEC partners, Prime Minister of Canada (San Francisco) 17 November 2023. Access Date: 15 January 2024. <https://www.pm.gc.ca/en/news/news-releases/2023/11/17/creating-opportunities-canadians-and-advancing-collaboration-with-apec-partners>

On 29 November 2023, Minister Ng met with France's Minister Pannier-Runacher.²⁶⁸⁶ The ministers signed a mutual declaration on mutual support for unilateral nuclear support. The declaration reaffirmed the partnership in this field to respect national nuclear supply chains and enhance supply chain resilience by diversifying energy supply through the construction of new power plants.

Canada has fully complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries. On enhancing supply chain resilience, Canada has engaged and entered multiple partnerships in Africa, Asia and Europe. Initiatives aimed at enhancing the supply of critical minerals have been outlined, and tangible progress has been demonstrated in fulfilling existing commitments.

Thus, Canada receives a score of +1.

Analyst: Liam Hutton

France: +1

France has fully complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries.

On 30 May 2023, the Ministry of the Economy, Finance and Industrial and Digital Sovereignty constructed a France-based European electric battery plant.²⁶⁸⁷ Titled the Automotive Cells Company in Pas-de-Calais as France's first lithium battery mega-factory, it is intended to support electric vehicle manufacturing in the country and Europe. The goal is to redistribute battery manufacturing from China and distribute production more evenly. Furthermore, the project aims to strengthen the battery value chain by "extracting, refining, processing of critical raw materials."

On 6 June 2023, Minister of the Economy, Finance and Industrial and Digital Sovereignty Bruno Le Maire announced the initiation of construction of a new semiconductor component factory in Crolles, France.²⁶⁸⁸ The French government has declared a total state expenditure as an investment of EUR7.5 billion. The objective is to increase French production capacity to 620,000 wafers per year by 2028 and add to existing European capacity. The construction of the semiconductor factory indicates investment by the French government to enhance the semiconductor supply chain through France and European country partners.

On 9 June 2023, the European Commission affirmed 12 companies under the Important Project of the Common European Interest group to pursue technological innovation projects in France.²⁶⁸⁹ France is a member of this group, which includes multilateral state technological innovation and development. Due to this

²⁶⁸⁶ Agnès Pannier-Runacher, ministre de la Transition énergétique et Mary Ng, ministre canadienne de la Promotion des exportations, du Commerce international et du Développement économique signent une déclaration commune dans le domaine de l'énergie nucléaire, Ministère de la Transition énergétique, Ministère de la Transition écologique et de la Cohésion des territoires, Ministère de la Transition énergétique (Paris), 29 November 2023. Translation provided by Google Translate. Access Date: 4 December 2023. <https://www.ecologie.gouv.fr/agnes-pannier-runacher-ministre-transition-energetique-et-mary-ng-ministre-canadienne-promotion-des>

²⁶⁸⁷ La stratégie nationale « Batteries » : un axe clé de France 2030 sur les mobilités durable. Ministère de l'Économie des Finances et de la Souveraineté Industrielle et Numérique (Paris). 30 May 2023. Translation provided by Google Translate. Access Date : 4 November 2023. <https://www.economie.gouv.fr/la-strategie-nationale-batteries-un-axe-cle-de-france-2030-sur-les-mobilites-durables>

²⁶⁸⁸ Bruno Le Maire annonce le début de la production de la méga-usine de semi-conducteurs portée par GlobalFoundries et STMicroelectronics à Crolles et signe le contrat d'aide de l'Etat au projet. Ministère de l'Économie des Finances et de la Souveraineté Industrielle et Numérique (Paris). 6 June 2023. Translation provided by Google Translate. Access Date: 4 November 2023. <https://presse.economie.gouv.fr/05062023-bruno-le-maire-annonce-le-debut-de-la-production-de-la-mega-usine-de-semi-conducteurs-portee-par-globalfoundries-et-stmicroelectronics-a-crolles-et-signe-le-contrat-daide-de-letat-au-projet/>

²⁶⁸⁹ France 2030 | 12 projets français structurants en microélectronique et connectivité ont été validés par la Commission européenne. Ministère de l'Économie des Finances et de la Souveraineté Industrielle et Numérique (Paris). 9 June 2023. Translation provided by Google Translate. Access Date: 4 November 2023. <https://presse.economie.gouv.fr/08062023-cp-france-2030-12-projets-francais-structurants-en-microelectronique-et-connectivite-ont-ete-valides-par-la-commission-europeenne/>

authorization, the French government will be able to promote the European microelectronics supply chain through the establishment of new production sites in the supply chain. This will include semiconductors, which strengthens the objectives outlined in the European Chips Act.

On 13 June 2023, President Emmanuel Macron declared that France will refocus on state production of vital medications to reduce French dependency on medical imports.²⁶⁹⁰ According to this move by the French government, “re-shoring and diversifying supply” will advance France’s goals of establishing a stronger supply chain.²⁶⁹¹

On 19 June 2023, Secretary-General of the French Ministry for Europe and Foreign Affairs Anne-Marie Descotes met with the Chair of the Executive Affairs Authority of the United Arab Emirates, Khaldoon Khalifa Al Mubarak in Paris for the 14th session of the United Arab Emirates-France Strategic Dialogue.²⁶⁹² This forum opened a discussion on France’s support of the United Arab Emirates’ Nuclear Program, which included shared understanding to consolidate French and Emirati supply chains. This dialogue signified this collaboration through an initiative for supply chain fortification through an initiative titled “E-Fusion.”²⁶⁹³

On 22 June 2023, France as a member of the International Partners’ Group, alongside Senegal, announced a collaboration titled the Just Energy Transition Partnership.²⁶⁹⁴ This partnership object endeavors to promote and restructure Senegal’s energy infrastructure. This will accomplish an expansion of France’s energy sources and deepen energy supply chain resilience.²⁶⁹⁵

On 26 June 2023, Minister Le Maire led a discussion on strategies for securing critical raw materials supply.²⁶⁹⁶ This conversation took place in a trilateral formation with the Minister of Economy and Climate Protection of the Federal Republic of Germany, Robert Habeck, and the Minister of Companies and Made in Italy from the Italian Republic, Adolfo Urso. The three ministers agreed to coordinate proposals in international forums with reference to European legislation such as the Critical Raw Materials Act.

On 4 July 2023, the Overseas Delegation of the National Assembly supervised rapporteurs Marc Le Fur and Estelle Youssouffa and authorized publication of the information report on food autonomy in French overseas

²⁶⁹⁰ France to re-shore production of 50 key medicines. Le Monde France (Paris). 13 June 2023. Access Date: 4 November 2023. https://www.lemonde.fr/en/france/article/2023/06/13/france-to-re-shore-production-of-50-key-medicines_6031218_7.html

²⁶⁹¹ France to re-shore production of 50 key medicines. Le Monde France (Paris). 13 June 2023. Access Date: 4 November 2023. https://www.lemonde.fr/en/france/article/2023/06/13/france-to-re-shore-production-of-50-key-medicines_6031218_7.html

²⁶⁹² 15th session of the UAE-France Strategic Dialogue discusses growing cooperation between UAE & France. Ministère de L’Europe et des Affaires Étrangères (Paris). 19 June 2023. Access Date: 4 November 2023. <https://www.diplomatie.gouv.fr/en/country-files/united-arab-emirates/events/article/15th-session-of-the-uae-france-strategic-dialogue-discusses-growing-cooperation>

²⁶⁹³ 15th session of the UAE-France Strategic Dialogue discusses growing cooperation between UAE & France. Ministère de L’Europe et des Affaires Étrangères (Paris). 19 June 2023. Access Date: 4 November 2023. <https://www.diplomatie.gouv.fr/en/country-files/united-arab-emirates/events/article/15th-session-of-the-uae-france-strategic-dialogue-discusses-growing-cooperation>

²⁶⁹⁴ Senegal and the International Partners’ Group (IPG) announced a Just Energy Transition Partnership (JETP) combining climate and development Goals. Ministère de L’Europe et des Affaires Étrangères (Paris). 22 June 2023. Access Date: 4 November 2023. <https://www.diplomatie.gouv.fr/en/country-files/senegal/news/article/senegal-and-the-international-partners-group-ipg-announced-a-just-energy>

²⁶⁹⁵ Senegal and the International Partners’ Group (IPG) announced a Just Energy Transition Partnership (JETP) combining climate and development Goals. Ministère de L’Europe et des Affaires Étrangères (Paris). 22 June 2023. Access Date: 4 November 2023. <https://www.diplomatie.gouv.fr/en/country-files/senegal/news/article/senegal-and-the-international-partners-group-ipg-announced-a-just-energy>

²⁶⁹⁶ La France, L’Allemagne, Et L’italie Approfondissent Leur Cooperation Pour Securiser L’acces De L’industrie Aux Matieres Premieres Critiques. Ministère de l’Économie des Finances et de la Souveraineté Industrielle et Numérique (Paris). 26 June 2023. Translation provided by Google Translate. Access Date: 4 November 2023. <https://presse.economie.gouv.fr/26062023-la-france-lallemagne-et-litalie-approfondissent-leur-cooperation-pour-securiser-lacces-de-lindustrie-aux-matieres-premier-critiques/>

territories.²⁶⁹⁷ The information report emphasized food sovereignty and aimed to navigate disruptions to food supply chains in the post-pandemic and Ukraine war periods. Factors such as international treaty negotiations, food transportation like air freight prices and development of necessary infrastructure were recommended to strengthen supply chain processes.

On 18 August 2023, the Senate of France passed the resolution on the European Commission's Framework for guaranteeing secure and sustainable supplies of critical raw materials.²⁶⁹⁸ This framework to initiate critical materials extraction categorizes and typifies the raw materials to be considered "critical" based on economic significance.²⁶⁹⁹ In reference to sustainability, the non-renewable nature of these materials are considered by the framework to be supply risks and encourages initiatives to fortify current and future supply chains.

On 14 September 2023, the French start-up Verkor fundraised more than EUR2 billion to contribute to the construction of an electric battery factory in Dunkirk.²⁷⁰⁰ The French government alongside the European Investment Bank will further subsidize the project to solidify France's national contributions to the "European electric car industry." This public-private sector partnership highlights the state-corporation relationships in France to collaborate to progress supply chain diversification and resilience.

On 17 September 2023, Minister for Europe and Foreign Affairs Catherine Colonna met with World Food Programme (WFP) Executive Director Cindy McCain.²⁷⁰¹ Minister Colonna declared that France would offer EUR40 Million in support of the Grain from Ukraine Initiative. This would aim to facilitate a less disruptive transportation of grain shipments from Ukraine to Nigeria and Sudan. Furthermore, this accomplishes a replenishment and restructuring of the WFP's regional reserves and close enhancements of the supply chain process.

On 28 September 2023, Minister Pannier-Runacher declared the recent Canada-France Bilateral Dialogue on Critical Minerals in tandem with Canada's Minister of Energy and Natural Resources Jonathan Wilkinson.²⁷⁰² This action aims to help strengthen supply chains and further trade investments.

On 28 September 2023, Minister Delegate of Industry Roland Lescure inaugurated the new Soitec factory in Bernin.²⁷⁰³ Soitec is a long-time designer and materials manufacturer in France's semiconductor industry. The establishment of this factory as a new production site contributes to enhancing productivity of the supply chain

²⁶⁹⁷ Délégation aux Outre-mer - Mission d'information sur l'autonomie alimentaire des outre-mer - Publication du rapport. Assemblée Nationale (Paris). 4 July 2023. Translation provided by Google Translate. Access Date: 3 November 2023. <https://www2.assemblee-nationale.fr/presse/espace-presse/communiqués-de-presse/juillet-2023/delegation-aux-outre-mer-mission-d-information-sur-l-autonomie-alimentaire-des-outre-mer-publication-du-rapport>

²⁶⁹⁸ Approvisionnement en matières premières critiques. Senat du France (Paris). 18 August 2023. Translation provided by Google Translate. Access Date: 3 November 2023. <https://www.senat.fr/leg/tas22-168.html>

²⁶⁹⁹ Approvisionnement en matières premières critiques. Senat du France (Paris). 18 August 2023. Translation provided by Google Translate. Access Date: 3 November 2023. <https://www.senat.fr/leg/tas22-168.html>

²⁷⁰⁰ Batteries électriques : la start-up Verkor réalise une levée de fonds record pour sa gigafactory de Dunkerque. Le Monde France (Paris). 14 September 2023. Translation provided by Google Translate. Access Date: 3 November 2023. https://www.lemonde.fr/economie/article/2023/09/14/batteries-electriques-la-start-up-verkor-realise-une-leevee-de-fonds-record-pour-sa-gigafactory-de-dunkerque_6189302_3234.html

²⁷⁰¹ UN – Conversation between Catherine Colonna and World Food Programme Executive Director Cindy McCain. Ministère de L'Europe et des Affaires Étrangères (Paris). 17 September 2023. Access Date: 3 November 2023. <https://www.diplomatie.gouv.fr/en/french-foreign-policy/united-nations/news-and-events/news/news-2023/article/un-conversation-between-catherine-colonna-and-world-food-programme-executive>

²⁷⁰² Minister Wilkinson Champions Investments in Critical Minerals and Clean Energy, Natural Resources Canada (Ottawa) 29 September 2020. Access Date: 26 November 2023. <https://www.canada.ca/en/natural-resources-canada/news/2023/09/minister-wilkinson-champions-investments-in-critical-minerals-and-clean-energy.html>

²⁷⁰³ Roland LESCURE inaugure la nouvelle usine de matériaux semi-conducteurs innovants de Soitec à Bernin. Ministère de l'Économie des Finances et de la Souveraineté Industrielle et Numérique (Paris). 28 September 2023. Translation provided by Google Translate. Access Date: 3 November 2023. <https://presse.economie.gouv.fr/28092023-roland-lesecure-inaugure-la-nouvelle-usine-de-materiaux-semi-conducteurs-innovants-de-soitec-a-bernin-38/>

and further elevates the “entire electronics value chain.”²⁷⁰⁴ It further solidifies France’s future as an active participant in the “European semiconductor ecosystem.”

On 28 September 2023, France hosted the International Energy Agency’s Critical Minerals and Clean Energy Summit in Paris.²⁷⁰⁵ By hosting it, this indicates France’s engagement with the issue. The summit focused on the promotion of stable and responsible supplies of raw materials, which have a central role in the global clean energy transition.

On 17 October 2023, Minister Colonna, representing France, co-hosted the Moldova Support Platform Conference with Germany and Moldova.²⁷⁰⁶ The Conference concentrates on elevating long-term economic resilience, and infrastructure and fortifying energy security between the countries.

On 18 October 2023 and 19 October 2023, France hosted the first meeting of the Global School Meals Coalition in Paris, in partnership with the WFP.²⁷⁰⁷ This partnership strives to provide food equality to every child in the format of school meals, by 2030 and is established to ameliorate food insecurity in young populations. Moreover, this aims to use school meals as a testable platform to promote sustainable food systems and evaluate the significance of short supply chain models.

On 30 October 2023, Minister Le Maire met with Italian Minister of Enterprises and “Made in Italy” Adolfo Urso and German Vice Chancellor and Minister for Economic Affairs and Climate Action Robert Habeck to discuss progress on the trilateral working group on critical raw minerals.²⁷⁰⁸

On 1 November 2023, President Macron visited Kazakhstan and Uzbekistan to strengthen diplomatic relationships and promote the use of critical minerals in strategizing for clean energy reforms and transitions.²⁷⁰⁹ France has declared its intentions to achieve this participating in foreign direct investment in Kazakhstan’s clean energy projects. This will look like the supervision of construction of a nuclear power plant in Kazakhstan; the project will be contracted to French state-owned group Electricity of France.

On 6 November 2023, the French Embassy hosted a conference in Bratislava, Slovakia to strengthen the French-Slovak trade relationship to fortify the European nuclear alliance.²⁷¹⁰ Both French and Slovak national energy companies were present, alongside Minister of Energy Transition Agnès Pannier-Runacher and

²⁷⁰⁴ Roland LESCURE inaugure la nouvelle usine de matériaux semi-conducteurs innovants de Soitec à Bernin. Ministère de l’Économie des Finances et de la Souveraineté Industrielle et Numérique (Paris). 28 September 2023. Translation provided by Google Translate. Access Date: 3 November 2023. <https://presse.economie.gouv.fr/28092023-roland-lescure-inaugure-la-nouvelle-usine-de-materiaux-semi-conducteurs-innovants-de-soitec-a-bernin-38/>

²⁷⁰⁵ IEA Critical Minerals and Clean Energy Summit. International Energy Agency (Paris). 28 September 2023. Access Date: 3 November 2023. <https://www.iea.org/events/iea-critical-minerals-and-clean-energy-summit>

²⁷⁰⁶ Moldova – Catherine Colonna’s visit to Chisinau for the fourth ministerial conference of the Moldova Support Platform. Ministère de L’Europe et des Affaires Étrangères (Paris). 17 October 2023. Access Date: 3 November 2023. <https://www.diplomatie.gouv.fr/en/country-files/moldova/events-4506/article/moldova-catherine-colonna-s-visit-to-chisinau-for-the-fourth-ministerial>

²⁷⁰⁷ First meeting of the Global School Meals Coalition. Ministère de L’Europe et des Affaires Étrangères (Paris). 18 October 2023. Access Date: 3 November 2023. <https://www.diplomatie.gouv.fr/en/french-foreign-policy/development-assistance/food-security-nutrition-and-sustainable-agriculture/first-meeting-of-the-global-school-meals-coalition/>

²⁷⁰⁸ Italy, Germany and France agree on strengthening their cooperation on Artificial Intelligence, Ministry of Enterprises and Made in Italy (Rome) 30 October 2023. Access Date: 13 December 2023. <https://www.mimit.gov.it/en/media-tools/news/italy-germany-and-france-agree-on-strengthening-their-cooperation-on-artificial-intelligence>

²⁷⁰⁹ Macron to visit Kazakhstan and Uzbekistan to bolster France’s influence in the region. Le Monde France (Paris). 1 November 2023. Access Date: 3 November 2023. https://www.lemonde.fr/en/asia-and-pacific/article/2023/11/01/macron-to-visit-kazakhstan-and-uzbekistan-to-bolster-france-s-influence-in-the-region_6217927_153.html

²⁷¹⁰ L’énergie nucléaire au coeur des rencontres entre les autorités et les entreprises slovaques et françaises, Ministère de l’économie, des finances et de la souveraineté industrielle et numérique (Paris) 10 November 2023. Translation provided by Google Translate. Access Date: 4 December 2024. <https://www.tresor.economie.gouv.fr/Articles/2023/11/10/l-energie-nucleaire-au-coeur-des-rencontres-entre-les-autorites-et-les-entreprises-slovaques-et-francaises>

Slovakian Deputy Prime Minister and Minister of the Economy Denisa Sakova. The conference consolidated plans to approach the creation of a European supply chain with urgency.

On 9 November 2023, Minister Le Maire announced that France would be implementing a 10 per cent threshold on non-EU investments to protect critical raw materials.²⁷¹¹ Minister Le Maire added that enacting stricter measures on foreign investment would help protect French and international firms from global supply chain disruption.

On 29 November 2023, Minister Pannier-Runacher met with Canadian Minister of Export, Promotion, International Trade and Economic Development Mary Ng.²⁷¹² The ministers signed a mutual declaration on mutual support for unilateral nuclear support. The declaration reaffirmed the partnership in this field to respect national nuclear supply chains and enhance supply chain resilience by diversifying energy supply through the construction of new power plants.

On 2 December 2023, President Macron and US Special Envoy for Climate Change John Kerry announced the signing of a joint declaration at the 28th Conference of the Parties to the United Nations Framework Convention on Climate Change in Dubai, United Arab Emirates.²⁷¹³ Titled “the Declaration on the tripling of nuclear energy production,” this joint venture strives to intensify international nuclear supply chains using an accelerated plan and reaffirmed the international objective to decarbonize.

France has fully complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries. France has taken actions to promote supply chain resiliency by hosting various summits and diplomatic events that promote dialogue. Furthermore, their partnerships and level of internal supply chain investment in collaboration with international organizations indicates a willingness to commit. Furthermore, France is involved in multiple foreign direct investment projects to develop supply chain resiliency and redistribution of supply chain strength in global contexts.

Thus, France receives a score of +1.

Analyst: Parami Epaarachchi

Germany: 0

Germany has partially complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries.

On 6 June 2023, Parliamentary State Secretary at the Federal Ministry for Economic Affairs and Climate Action Franziska Brantner visited Mongolia to hold talks on trade and critical minerals policies.²⁷¹⁴ Germany and

²⁷¹¹ France to make 10% threshold for non-EU investment scrutiny permanent, Reuters (London) 9 November 2023. Access Date: 4 December 2023. <https://www.reuters.com/business/finance/france-make-10-threshold-non-eu-investment-scrutiny-permanent-2023-11-09/>

²⁷¹² Agnès Pannier-Runacher, ministre de la Transition énergétique et Mary Ng, ministre canadienne de la Promotion des exportations, du Commerce international et du Développement économique signent une déclaration commune dans le domaine de l'énergie nucléaire, Ministère de la Transition énergétique, Ministère de la Transition écologique et de la Cohésion des territoires, Ministère de la Transition énergétique (Paris), 29 November 2023. Translation provided by Google Translate. Access Date: 4 December 2023. <https://www.ecologie.gouv.fr/agnes-pannier-runacher-ministre-transition-energetique-et-mary-ng-ministre-canadienne-promotion-des>

²⁷¹³ Countries launch joint declaration to triple nuclear energy capacity by 2050 at COP28, Nuclear Energy Agency (Paris) 2 December 2023. Access Date: 4 December 2023. https://www.oecd-neo.org/jcms/pl_88702/countries-launch-joint-declaration-to-triple-nuclear-energy-capacity-by-2050-at-cop28

²⁷¹⁴ Franziska Brantner visits Mongolia for talks on economic and raw minerals policies, Federal Ministry for Economic Affairs and Climate Action (Berlin) 5 June 2023. Access Date: 1 December 2023. <https://www.bmwk.de/Redaktion/EN/Pressemitteilungen/2023/06/20230605-franziska-brantner-visits-mongolia-for-talks-on-economic-and-raw-materials-policies.html>

Mongolia signed a joint declaration on “the continuation of the successful Manager Training Programme to promote business ties between German and Mongolian companies.”

On 20 June 2023, Federal Chancellor Olaf Scholz met Chinese Prime Minister Li Qiang.²⁷¹⁵ Germany and China discussed collaboration on global challenges, the economy and trade, particularly how open trade can enhance supply chain resilience.

On 26 June 2023, Minister for Economic Affairs and Climate Action Robert Habeck met the French Minister of Economy, Finance and Industrial and Digital Sovereignty Bruno Le Maire and Italian Minister of Enterprise and “Made in Italy” Adolfo Urso to discuss strategies for securing critical raw materials supply.²⁷¹⁶ The three ministers agreed to coordinate proposals in international forums with reference to European legislation such as the Critical Raw Materials Act.

On 13 July 2023, Germany published its first China strategy.²⁷¹⁷ The paper highlights supply chain vulnerabilities, particularly with respect to semiconductors.

On 25 July 2023, Germany announced plans to invest EUR20 billion to bolster semiconductor manufacturing in Germany.²⁷¹⁸ The funds are to be distributed among German and international companies by 2027. Additionally, the funds will be drawn from the Climate and Transformation Fund. These funds are intended to diversify semiconductor supply chains.

On 14 September 2023, Chancellor Scholz attended the 13th National Maritime Conference in Bremen.²⁷¹⁹ In his speech he discussed the critical role of ports and the maritime industry on functioning supply chains.

On 28 September 2023, Chancellor Scholz met Jomart Tokayev, President of Kazakhstan.²⁷²⁰ The two leaders agreed to improve cooperation on trade and investment. Chancellor Scholz referred to Kazakhstan as an important partner regarding critical minerals.

On 17 October 2023, Germany co-hosted the Moldova Support Platform Conference with Germany and Moldova.²⁷²¹ The Conference concentrates on elevating long-term economic resilience, and infrastructure and fortifying energy security between the countries.

²⁷¹⁵ Meeting global challenges together, The Federal Government (Berlin) 20 June 2023. Access Date: 1 December 2023. <https://www.bundeskanzler.de/bk-en/news/german-chinese-intergovernmental-consultations-2197554>

²⁷¹⁶ La France, L'Allemagne, Et l'Italie Approfondissent Leur Coopération Pour Sécuriser L'accès De L'industrie Aux Matières Premières Critiques. Ministère de l'Économie des Finances et de la Souveraineté Industrielle et Numérique (Paris). 26 June 2023. Translation provided by Google Translate. Access Date: 4 November 2023. <https://presse.economie.gouv.fr/26062023-la-france-lallemagne-et-litalie-approfondissent-leur-cooperation-pour-securiser-lacces-de-lindustrie-aux-matieres-premieres-critiques/>

²⁷¹⁷ Germany unveils strategy on China, trade partner and rival, Reuters (Berlin) 13 July 2023. Access Date: 1 December 2023. <https://www.reuters.com/world/germany-unveils-strategy-china-trade-partner-rival-2023-07-13/>

²⁷¹⁸ Germany earmarks 20 billion euros in subsidies for chip industry, Reuters (London) 25 July 2023. Access Date: 1 December 2023. <https://www.reuters.com/technology/germany-earmarks-20-bln-eur-chip-industry-coming-years-2023-07-25/>

²⁷¹⁹ Boosting port capacity and sustainability, The Federal Government (Bremen) 14 September 2023. Access Date: 1 December 2023. <https://www.bundesregierung.de/breg-en/news/maritime-conference-2223574>

²⁷²⁰ Expanding cooperation, The Federal Government (Berlin) 28 September 2023. Access Date: 1 December 2023. <https://www.bundeskanzler.de/bk-en/news/federal-chancellor-welcomes-the-president-of-kazakhstan-2226640>

²⁷²¹ Moldova – Catherine Colonna’s visit to Chisinau for the fourth ministerial conference of the Moldova Support Platform. Ministère de L’Europe et des Affaires Étrangères (Paris). 17 October 2023. Access Date: 3 November 2023. <https://www.diplomatie.gouv.fr/en/country-files/moldova/events-4506/article/moldova-catherine-colonna-s-visit-to-chisinau-for-the-fourth-ministerial>

On 30 October 2023, Minister Habeck met with French Minister of the Economy, Finance and Industrial and Digital Sovereignty Bruno Le Maire and Italian Minister of Enterprises and “Made in Italy” Adolfo Urso to discuss progress on the trilateral working group on critical raw minerals.²⁷²²

On 3 November 2023, Chancellor Scholz spoke with Chinese President Xi Jinping.²⁷²³ A topic of discussion included cooperation on the stability of global supply chains.

On 3 November 2023, Minister Habeck and the United Kingdom’s Energy Security Secretary Claire Coutinho jointly affirmed a new partnership to secure clean energy strategies and enhance energy security.²⁷²⁴ The partnership asserts both countries’ commitment to employing clean energy strategies and enhancing energy security. Furthermore, it outlines a statement to collaborate on navigating supply chain resilience in the midst of energy and climate stressors such as climate change.

Germany has partially complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries. Germany has taken strong action with regard to enhancing resilient supply chains and forming partnerships in the critical minerals and semiconductors supply chains. However, Germany has not formed any partnerships to enhance the batteries supply chain.

Thus, Germany receives a score of 0.

Analyst: Liam Hutton

Italy: 0

Italy has partially complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries.

On 8 June, the Italian-sponsored Important Project of Common European Interest worth EUR8.1 billion received approval from the European Commission, aiming to support research and innovation in deploying microelectronics and communication technologies.²⁷²⁵

On 26 June 2023, Minister of Enterprise and “Made in Italy” Adolfo Urso met with German Minister for Economic Affairs and Climate Action Robert Habeck and French Minister of Economy, Finance and Industrial and Digital Sovereignty Bruno Le Maire to discuss strategies for securing critical raw materials supply.²⁷²⁶ The three ministers agreed to coordinate proposals in international forums with reference to European legislation such as the Critical Raw Materials Act.

²⁷²² Italy, Germany and France agree on strengthening their cooperation on Artificial Intelligence, Ministry of Enterprises and Made in Italy (Rome) 30 October 2023. Access Date: 13 December 2023. <https://www.mimit.gov.it/en/media-tools/news/italy-germany-and-france-agree-on-strengthening-their-cooperation-on-artificial-intelligence>

²⁷²³ China-Germany cooperation has become more solid and dynamic – China’s Xi, Reuters (Beijing) 3 November 2023. Access Date: 1 December 2023. <https://www.reuters.com/world/china-germany-cooperation-has-become-more-solid-dynamic-chinas-xi-2023-11-03/>

²⁷²⁴ New UK and Germany partnership to boost renewable energy and bolster energy security. Department for Energy Security and Net Zero (London). 3 November 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/new-uk-and-germany-partnership-to-boost-renewable-energy-and-bolster-energy-security>

²⁷²⁵ State aid: Commission approves up to €8.1 billion of public support by fourteen Member States for an Important Project of Common European Interest in microelectronics and communication technologies, European Commission (Brussels) 8 June 2023. Access Date: 15 February 2024. https://ec.europa.eu/commission/presscorner/detail/en/IP_23_3087

²⁷²⁶ La France, L’Allemagne, Et L’Italie Approfondissent Leur Cooperation Pour Securiser L’Acces De L’Industrie Aux Matieres Premieres Critiques. Ministère de l’Économie des Finances et de la Souveraineté Industrielle et Numérique (Paris). 26 June 2023. Translation provided by Google Translate. Access Date: 4 November 2023. <https://presse.economie.gouv.fr/26062023-la-france-lallemagne-et-litalie-approfondissent-leur-cooperation-pour-securiser-lacces-de-lindustrie-aux-matieres-premieres-critiques/>

On 7 August 2023, Italy submitted a modified version of its national Recovery and Resilience Plan to the European Commission, which contained proposals for investments in the supply of critical raw materials to boost the Italian economy while supporting the green transition.²⁷²⁷

On 6 September 2023, Foreign Minister Antonio Tajani flew to Astana to meet with his Kazakhstan counterpart Murat Nurtleu, signing a memorandum of understanding between Italy and Kazakhstan centered on critical raw materials and renewables.²⁷²⁸

On 16 September 2023, Italy joined the Minerals Security Partnership, a collaboration between 14 members that aim to improve mineral supply chains to keep up with global demand.²⁷²⁹

On 25 October 2023, Prime Minister Giorgia Meloni addressed Italy's senate ahead of the European Council meeting, reaffirming Italy's commitment to EU efforts related to critical minerals, semiconductors and related technologies.²⁷³⁰

On 30 October 2023, Minister Urso met with German Vice Chancellor and Minister for Economic Affairs and Climate action Robert Habeck and French Minister of Economy, Finance and Industrial and Digital Sovereignty Bruno Le Maire met to discuss progress on the trilateral working group on critical raw minerals.²⁷³¹

On 10 November 2023, President Sergio Mattarella signed a cooperation deal with his counterpart in Seoul, signing a cooperation deal on strengthening bilateral cooperation in critical minerals and semiconductors.²⁷³²

Italy has partially complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries. Italy has made commitments and engaged in discussions centred on critical minerals and semiconductors; however, it has made no partnerships regarding batteries.

Thus, Italy receives a score of 0.

Analyst: Ngai Chung Chan

Japan: +1

Japan has fully complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries.

On 3 July 2023, the Ministry of Economy, Trade and Industry and the European Commission signed a Memorandum of Cooperation on semiconductors during the first Japan-EU Digital Partnership Council

²⁷²⁷ Commission Staff Working Document: Analysis of the recovery and resilience plan of Italy, European Commission (Brussels) 24 November 2023. Access Date: 16 February 2024. https://commission.europa.eu/system/files/2023-11/SWD_2023_392_1_EN_autre_document_travail_service_part1_v4.pdf

²⁷²⁸ Italy and Kazakhstan close raw materials deal, seek to bolster ties, Decode39 (Rome) 27 June 2023. Access Date: 5 November 2023. <https://decode39.com/7647/italy-kazakhstan-raw-materials-deal-bolster-ties/>

²⁷²⁹ The Minerals Security Partnership Continues to Expand with Norway, Italy, and India, United States Department of State (Washington D.C.) 16 September 2023. Access Date: 15 February 2024. <https://www.state.gov/the-minerals-security-partnership-continues-to-expand-with-norway-italy-and-india/>

²⁷³⁰ President Meloni's address to the senate ahead of the European Council meeting on 26-27 October, Italian Government Presidency of the Council of Ministers (Rome) 25 October 2023. Access Date: 19 November 2023. <https://www.governo.it/en/articolo/president-meloni-s-address-senate-ahead-european-council-meeting-26-27-october/24067>

²⁷³¹ Italy, Germany and France agree on strengthening their cooperation on Artificial Intelligence, Ministry of Enterprises and Made in Italy (Rome) 30 October 2023. Access Date: 13 December 2023. <https://www.mimit.gov.it/en/media-tools/news/italy-germany-and-france-agree-on-strengthening-their-cooperation-on-artificial-intelligence>

²⁷³² Strategic deals: Rome and Seoul to cooperate across cutting-edge sectors, Decode39 (Rome) 10 November 2023. Access Date: 7 December 2023. <https://decode39.com/8218/italy-south-korea-science-tech-cooperation/>

meeting.²⁷³³ The scope of this Memorandum includes semiconductor research, development, supply chain risk management and risk mitigation efforts.

On 6 July 2023, the Japan Organization for Metals and Energy Security and the European Commission signed an Administrative Arrangement that reinforces EU-Japan cooperation on critical raw materials supply chains.²⁷³⁴ The EU and Japan have arranged annual meetings to take further action and review progress on the act.

On 21 September 2023, Canadian Minister of Export Promotion, International Trade and Economic Development Mary Ng, Minister of Innovation, Science and Industry François-Philippe Champagne and Minister of Energy and Natural Resources Jonathan Wilkinson met with Minister of Economy, Trade and Industry Yasutoshi Nishimura in Ottawa.²⁷³⁵ The Ministers signed a Memorandum of Cooperation on battery supply chains between Canada and Japan to continue sustainable and reliable global battery supply chains. This bilateral relationship is a strategic partnership and an investment towards industry innovation as well.

On 5 October 2023, Japan, along with the United Kingdom, Australia, Canada and the United States, created a coalition to advance security priorities regarding telecommunications.²⁷³⁶ This coalition, titled the Global Coalition on Telecommunications, will strive to ensure supply chain resiliency by concentrating efforts on strengthening and protecting critical communications networks. This move indicates the correlation of supply chain resiliency to telecommunications and technological advancement. Further, the United Kingdom's participation aims to broaden the global telecoms supply chains and trade supply chains by British telecommunications networks.

On 12 October 2023, Finance Minister Suzuki Shunichi and World Bank President Ajay Banga announced their partnership on Resilient and Inclusive Supply-chain Enhancement (RISE).²⁷³⁷ This initiative also features support from Canada, Italy, Korea and the United Kingdom. At this meeting, Minister Suzuki Shunichi shared Japan's plan to contribute JPY25 million to RISE in support of sustainable development, supply chain diversification and clean energy in low- and middle-income countries.

On 16 October 2023, Japan, as a member of the Agile Nations, a trilateral organization between the United Kingdom, Japan and Canada, published joint recommendations on constructing a regulatory framework for fusion energy facilities.²⁷³⁸ Initial recommendations recognize the significance of fusion energy on solidifying energy security and recognizing the need for a coherent trilateral approach to diversify and enhance supply chain resilience.

On 28 October 2023, Japan and the United Kingdom agreed to a Memorandum of Cooperation and partnership on critical minerals as per the commitment made at the Hiroshima Accord by the countries.²⁷³⁹ The

²⁷³³ Memorandum of Cooperation on semiconductors, European Commission (Brussels) 13 July 2023. Access Date: 4 November 2023. https://ec.europa.eu/commission/presscorner/detail/en/ip_23_3831

²⁷³⁴ EU and Japan boost strategic cooperation on digital and on critical raw materials supply chains, European Commission (Brussels) 13 July 2023. Access Date: 4 November 2023. https://ec.europa.eu/commission/presscorner/detail/en/ip_23_3831

²⁷³⁵ Canada welcomes Japan's Minister of Economy, Trade and Industry, Government of Canada (Ottawa) 21 September 2023. Access Date: 3 December 2023. <https://www.canada.ca/en/global-affairs/news/2023/09/canada-welcomes-japans-minister-of-economy-trade-and-industry.html>

²⁷³⁶ UK joins leading nations to form new telecoms coalition and invests £70 million in new future telecoms technologies. Department for Science, Innovation and Technology (London). 5 October 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/uk-joins-leading-nations-to-form-new-telecoms-coalition-and-invests-70-million-in-new-future-telecoms-technologies>

²⁷³⁷ World Bank and Japan to Boost Mineral Investments and Jobs in Clean Energy, The World Bank (Washington D.C.) 11 October 2023. Access Date: 3 December 2023. <https://www.worldbank.org/en/news/press-release/2023/10/11/world-bank-and-japan-to-boost-mineral-investments-and-jobs>

²⁷³⁸ Agile Nations: UK, Japan and Canada joint recommendations on fusion energy. Department of Energy Security and Net Zero (London). 16 October 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/publications/agile-nations-uk-japan-and-canada-joint-recommendations-on-fusion-energy>

²⁷³⁹ UK-Japan Critical Minerals Memorandum of Cooperation, GOV.UK (Osaka) 28 October 2023. Access Date: 4 November 2023. <https://www.gov.uk/government/publications/uk-japan-critical-minerals-memorandum-of-cooperation>

Memorandum specifically details research, innovation, critical minerals traceability and industry partnerships as committed previously.

On 16 November 2023, during the first session of the meeting of Asia Pacific Economic Cooperation (APEC) leaders, Prime Minister Kishida outlined critical minerals as a key contributor to sustainable growth in the Asia-Pacific region.²⁷⁴⁰ Prime Minister Kishida also used this opportunity to call for collaboration both inside and outside of APEC towards stable and resilient supply chain building.

On 27 November 2023, a Japanese delegation comprised of the Ministry of Finance and the Financial Services Agency met with a UK delegation comprised of His Majesty's Treasury, the Bank of England and the Financial Conduct Authority for the Fifth Financial Dialogue and Financial Regulatory Forum in Tokyo, Japan.²⁷⁴¹ The forum involved a reaffirmation of bilateral commitment to the Partnership for Resilient and Inclusive Supply-chain Enhancement. Discussions included the diversification of supply chains to promote clean energy products through transmission of information platforms.

Japan has fully complied with its commitment towards enhancing resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries. Japan has taken strong action, signing multilateral agreements related to semiconductor, battery and critical minerals. Additionally, Japan has engaged in dialogue and investment to strengthen supply chain resilience.

Thus, Japan receives a score of +1.

Analyst: Jasleen Badwal

United Kingdom: +1

The United Kingdom has fully complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries.

On 3 June 2023, Defence Secretary Ben Wallace and Foreign, Commonwealth and Development Office Minister of State Anne-Marie Trevelyan attended the 20th Shangri-La Dialogue in Singapore.²⁷⁴² This provided a forum for discussions on the United Kingdom's diplomatic relationships and trade partnerships in the Indo-Pacific. Furthermore, this diplomatic visit reaffirmed their commitment to a new bilateral partnership with Japan concentrated on semiconductor trade.

On 7 June 2023, Foreign Secretary James Cleverly led the Ministerial Council Meeting for the Organisation for Economic Co-operation and Development in Paris.²⁷⁴³ This meeting provided a chance for the United Kingdom to fortify multilateral diplomatic relationships, and opened up a dialogue on strategies for diversification and strengthening supply chains, essential for British economic security.

On 8 June 2023, bilateral trade discussions occurred between Prime Minister, Rishi Sunak and the President of the United States, Joe Biden.²⁷⁴⁴ The discussion welcomed a new bilateral trade agreement, titled the Atlantic Declaration. This new agreement entails new strategies of economic collaboration and coherence. Supporting

²⁷⁴⁰ APEC Leaders' Meeting 2023 Session, Ministry of Foreign Affairs of Japan (Tokyo) 16 November 2023. Access Date: 3 December 2023. https://www.mofa.go.jp/ecm/apec/page6e_000400.html

²⁷⁴¹ UK-Japan Financial Dialogue and Financial Regulatory Forum: joint statement, His Majesty's Treasury (London) 27 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/publications/uk-japan-financial-dialogue-and-financial-regulatory-forum-joint-statement/uk-japan-financial-dialogue-and-financial-regulatory-forum-joint-statement>

²⁷⁴² UK commitment to Indo-Pacific reaffirmed as global summit takes place in Singapore. Ministry of Defence, Foreign, Commonwealth and Development Office (London). 3 June 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/uk-commitment-to-indo-pacific-reaffirmed-as-global-summit-takes-place-in-singapore>

²⁷⁴³ UK to galvanise support for Ukraine's recovery at OECD meetings. His Majesty's Treasury (London). 7 June 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/uk-to-galvanise-support-for-ukraines-recovery-at-oecd-meetings>

²⁷⁴⁴ UK and US launch first-of-its kind economic partnership. Prime Minister's Office (London). 8 June 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/uk-and-us-launch-first-of-its-kind-economic-partnership>

of critical supply chains between the two countries were a topic of focus in the agreement alongside information sharing and analysis, a deepening of communication channels and launching a new civil nuclear partnership to prevent further supply chain disruptions from other nations or geopolitical conflicts. The Atlantic Declaration outlined a research collaboration on technological advancements, including semiconductors.

On 19 June 2023, Minister for International Trade Nigel Huddleston launched a new initiative whilst a visit to Ethiopia's business sector regarding trade advancement.²⁷⁴⁵ The initiative, titled the Developing Countries Trading Scheme, covers more than 65 countries, with majority being African countries. The objective of this program is to reduce trade costs by reducing tariffs, increase trade for African countries and allow African countries deeper integration into the British markets. British public-private partnerships are involved in this initiative, such as the Specialized Bicycle Components Inc. which highlights the opportunity for supply chain enhancement and diversification.

On 19 June 2023, Prime Minister Sunak conversed with President of the European Commission Ursula Von Der Leyen ahead of the Ukraine Recovery Conference.²⁷⁴⁶ The dialogue reaffirmed shared commitment goals between the United Kingdom and the European Commission, including mutual cooperation on scientific and green technology innovations. Within this, there was a vested focus on future collaborations regarding electric vehicle battery manufacturing.

On 22 June 2023, the United Kingdom, as a part of the International Partners Group, launched an initiative to promote Senegal's transition to green energy and sustainable technology development.²⁷⁴⁷ The initiative titled, the Just Energy Transition Partnership, aims to support Senegal's efforts to achieve low-carbon and resilient sustainable energy. This partnership intends to create an opportunity for public-private partnerships to engage in foreign direct investment. The President of Senegal, Macky Sall, noted that this project will help to diversify energy sources and increase supply chain resilience.

On 3 July 2023, Minister for International Trade Nigel Huddleston visited India and Bangladesh to expand trade avenues for British companies.²⁷⁴⁸ This diplomatic visit aimed to promote public-private partnerships and strengthen trade relationships with both India and Bangladesh. Minister Huddleston visited Intertek, a British company that supports Bengali supply chains by ensuring manufacturing standards. The trade priorities are bolstered by the Developing Countries Trading Scheme which makes it easier for India and Bangladesh to focus on export-oriented industrialization.

On 16 July 2023, Business and Trade Secretary Kemi Badenoch formally signed the Comprehensive and Progressive Agreement for Trans-Pacific Partnership.²⁷⁴⁹ This multilateral agreement including 12 countries across Asia, the Pacific and the Americas seeks to facilitate stronger import and export processes. Furthermore, this agreement accomplishes the pluralization of supply chains and export avenues for British companies and manufacturers.

²⁷⁴⁵ UK introduces new post-Brexit trading scheme for developing countries. Department of Business and Trade (London). 19 June 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/uk-introduces-new-post-brexit-trading-scheme-for-developing-countries>

²⁷⁴⁶ PM call with EU Commission President Von der Leyen. Prime Minister's Office (London). 19 June 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/pm-call-with-eu-commission-president-von-der-leyen-19-june-2023>

²⁷⁴⁷ Senegal and the International Partners Group announce Just Energy Transition Partnership. Foreign, Commonwealth and Development Office (London). 22 June 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/senegal-and-the-international-partners-group-announce-just-energy-transition-partnership>

²⁷⁴⁸ Trade Minister visits India and Bangladesh to grow green trade. Department for Business and Trade (London). 3 July 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/trade-minister-visits-india-and-bangladesh-to-grow-green-trade>

²⁷⁴⁹ UK signs Comprehensive and Progressive Agreement for Trans-Pacific Partnership. British Embassy Santiago (Chile). 16 July 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/uk-signs-comprehensive-and-progressive-agreement-for-trans-pacific-partnership>

On 20 August 2023, Minister Huddleston and Indonesia's Minister of Trade Zulkifli Hasan co-chaired the third consultation between the UK and the Association of South East Asian Nations (ASEAN) Economic Ministers.²⁷⁵⁰ The meeting included discussions on positive trade flows between ASEAN and the United Kingdom and strategies on developing supply chain resilience and standards to ensure the mitigation of disruption. The meeting indicated recommitment to rules-based multilateral trade system with the World Trade Organization at its core.

On 28 September 2023, the United Kingdom announced a minimum quota of new zero emission vehicles that British manufacturers must produce every year until 2020.²⁷⁵¹ This is titled the Zero Emission Vehicle Mandate. This mandate is intended to propel the production of electric vehicles in the United Kingdom and will only be supported by the government's move to introduce foreign direct investment from private companies such as Tata to build a new vehicle factory in the United Kingdom.

On 5 October 2023, the United Kingdom formed a coalition with Australia, Canada, Japan and United States to advance its security priorities regarding telecommunications.²⁷⁵² This coalition, titled the Global Coalition on Telecommunications, will strive to ensure supply chain resiliency by concentrating efforts on strengthening and protecting critical communications networks. This move indicates the correlation of supply chain resiliency to telecommunications and technological advancement. Further, the United Kingdom's participation aims to broaden the global telecoms supply chains and trade supply chains by British telecommunications networks.

On 13 October 2023, Prime Minister Sunak met with Norwegian Prime Minister Jonas Støre at the Joint Expeditionary Force Summit in Gotland, Sweden.²⁷⁵³ The leaders announced the Green Industrial Partnership between the two countries. The goal of this partnership is to fortify energy security and energy infrastructure to consolidate supply chain resiliency.

On 16 October 2023, the United Kingdom, as a member of the Agile Nations, a trilateral organization between the United Kingdom, Japan and Canada, published joint recommendations on constructing a regulatory framework for fusion energy facilities.²⁷⁵⁴ Initial recommendations recognize the significance of fusion energy on solidifying energy security and recognizing the need for a coherent trilateral approach to diversify and enhance supply chain resilience.

On 27 October 2023, the British Parliament passed the Procurement Bill, which outlines a strategic framework to deliver stronger public sector procurement.²⁷⁵⁵ Minister for the Cabinet Office Jeremy Quin asserts that this is integral to achieving supply chain security and promoting national security against international supply bidding. This form of legislative protection indicates a move by the British government to promote supply chain resiliency.

²⁷⁵⁰ Third ASEAN Economic Ministers-UK Consultation - Joint Statement. Department for Business and Trade (London). 20 August 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/third-asean-economic-ministers-uk-consultation-joint-statement>

²⁷⁵¹ Government sets out path to zero emission vehicles by 2035. Department of Transport (London). 28 September 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/government-sets-out-path-to-zero-emission-vehicles-by-2035>

²⁷⁵² UK joins leading nations to form new telecoms coalition and invests £70 million in new future telecoms technologies. Department for Science, Innovation and Technology (London). 5 October 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/uk-joins-leading-nations-to-form-new-telecoms-coalition-and-invests-70-million-in-new-future-telecoms-technologies>

²⁷⁵³ PM meeting with Prime Minister Støre of Norway: 13 October 2023. Prime Minister's Office (London). 13 October 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/pm-meeting-with-prime-minister-store-of-norway-13-october-2023>

²⁷⁵⁴ Agile Nations: UK, Japan and Canada joint recommendations on fusion energy. Department of Energy Security and Net Zero (London). 16 October 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/publications/agile-nations-uk-japan-and-canada-joint-recommendations-on-fusion-energy>

²⁷⁵⁵ Small businesses to benefit from one of the largest shake ups to procurement regulations in UK history. Cabinet Office (London). 27 October 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/small-businesses-to-benefit-from-one-of-the-largest-shake-ups-to-procurement-regulations-in-uk-history>

On 1 November 2023, ASEAN Secretary General Kao Kim Hourn met with Prime Minister Oliver Dowden.²⁷⁵⁶ Their discussions included “infrastructure, trade and supply chain resilience.”²⁷⁵⁷ In addition, Minister Huddleston also joined to discuss the strength of the trade relationship to achieve the mutual trade objectives.

On 2 November 2023, Science Minister George Freeman announced that the Department of Science, Innovation and Technology would subsidize GBP14 million to the United Kingdom’s quantum technology sector.²⁷⁵⁸ This initiative would support the country’s National Quantum Strategy, which entails private and state investment into furthering quantum technology. The objective is to support the country’s transition to diversifying energy sources and innovation in supply chains, further asserted with new science and innovation agreements with Australia and the Netherlands.

On 3 November 2023, Energy Security Secretary Claire Coutinho and Germany’s Vice Chancellor Robert Habeck jointly affirmed a new partnership to secure clean energy strategies and enhance energy security.²⁷⁵⁹ The partnership asserts both countries’ commitment to employing clean energy strategies and enhancing energy security. Furthermore, it outlines a statement to collaborate on navigating supply chain resilience in the midst of energy and climate stressors such as climate change.

On 3 November 2023, the United Kingdom Delegate to the Organization for Security and Co-operation, Justin Addison, delivered a speech regarding the impacts of Russia’s actions on the global grain supply chain.²⁷⁶⁰ The speech highlighted the impacts of Russia’s withdrawal from a collaborative trade partnership, the Black Sea Grain Initiative. As a proposed solution, Mr. Addison proposed that development of the Middle Corridor has potential to strengthen the current global supply chains and energy security.

On 3 November 2023, Defence Secretary Grant Shapps and Australian Deputy Prime Minister and Defence Minister Richard Marles visited the newly built Rolls-Royce nuclear reactor manufacturing site in Darby.²⁷⁶¹ A new manufacturing site contributes to enhancing supply chain resiliency by continuing to diversify sources.²⁷⁶²

On 8 November 2023, Minister of Nuclear and Networks Andrew Bowie and US Deputy Secretary of the Department of Energy David announced a bilateral partnership with the United States to advance objectives

²⁷⁵⁶ Boost to ASEAN-UK cooperation with first UK visit by Secretary General of ASEAN. Foreign, Commonwealth and Development Office (London). 1 November 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/boost-to-asean-uk-cooperation-with-first-uk-visit-by-asean-secretary-general>

²⁷⁵⁷ Boost to ASEAN-UK cooperation with first UK visit by Secretary General of ASEAN. Foreign, Commonwealth and Development Office (London). 1 November 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/boost-to-asean-uk-cooperation-with-first-uk-visit-by-asean-secretary-general>

²⁷⁵⁸ New technologies on show at Quantum Showcase as Science Minister drives forward UK’s £2.5 billion Quantum Strategy. Department of Science, Innovation and Technology. 2 November 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/new-technologies-on-show-at-quantum-showcase-as-science-minister-drives-forward-uk-s-2-5-billion-quantum-strategy>

²⁷⁵⁹ New UK and Germany partnership to boost renewable energy and bolster energy security. Department for Energy Security and Net Zero (London). 3 November 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/new-uk-and-germany-partnership-to-boost-renewable-energy-and-bolster-energy-security>

²⁷⁶⁰ Russia’s invasion of Ukraine is among the main drivers of current food insecurity: UK statement to the OSCE. Foreign, Commonwealth and Development Office (London). 3 November 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/speeches/russias-invasion-of-ukraine-is-among-the-main-drivers-of-current-food-insecurity-uk-statement-to-the-osce>

²⁷⁶¹ Grant Shapps and Richard Marles visit key nuclear site. Ministry of Defence (London). 3 November 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/grant-shapps-and-richard-marles-visit-key-nuclear-site>

²⁷⁶² Grant Shapps and Richard Marles visit key nuclear site. Ministry of Defence (London). 3 November 2023. Access Date: 5 November 2023. <https://www.gov.uk/government/news/grant-shapps-and-richard-marles-visit-key-nuclear-site>

of global fusion energy development.²⁷⁶³ This partnership will collaborate on supply chain diversification and developing resilient supply chains for fusion materials.

On 9 November 2023, the Department for Business and Trade launched a New Dairy Export Programme that focuses on supporting agri-food exports in international markets.²⁷⁶⁴ This program is aimed to build connections with international markets and improve the dairy supply chain.

On 10 November 2023, the Department for Business and Trade announced an extension on trade arrangements between British manufacturers and Mexico in regards to export tariffs.²⁷⁶⁵ This extension achieves a level of protection to British-Mexican supply chains and supports future fortification against potential disruption.

On 15 November 2023, the Department for Energy Security and Net Zero announced the United Kingdom's intent to participate in the measuring monitoring, reporting and verification of greenhouse gas emissions within UK-international supply chains.²⁷⁶⁶ Involving 13 countries, this framework will review existing emissions legislations and behaviours to closely monitor and enhance supply chains.

On 16 November 2023, the Department for Energy Security and Net Zero announced an increase in the maximum price for offshore wind projects to ensure clean energy projects can receive higher investment amounts from the Contracts for Difference scheme.²⁷⁶⁷ This is critical to the United Kingdom's clean energy supply chain because this will incentivize wind companies to reduce carbon emissions in their supply chains, contributing to overall enhancement of the global supply chain.

On 17 November 2023, His Majesty's Treasury announced the investment of GBP4.5 billion into British manufacturing.²⁷⁶⁸ Approximately GBP2 billion for automotives and GBP975 million for aerospace will support the manufacturing and supply chain resilience of these industries.

On 22 November 2023, Energy Security Secretary Claire Coutinho and Korea's Minister for Trade, Industry and Energy Bang Moon Kyu established the Clean Energy Partnership.²⁷⁶⁹ The objective of this partnership is to solidify bilateral cooperation on decarbonization efforts through diversification of existing supply chains to green alternatives. This partnership invited British and Korean corporation cross-collaboration and involvement on shared projects.

²⁷⁶³ UK and US form major partnership to accelerate global fusion energy supply, Department of Energy Security and Net Zero (London) 10 November 2023. Access date: 4 December 2023. <https://www.gov.uk/government/news/uk-and-us-form-major-partnership-to-accelerate-global-fusion-energy-development>

²⁷⁶⁴ UK dairy industry to be boosted by new export programme, Department of Business and Trade 9 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/news/uk-dairy-industry-to-be-boosted-by-new-export-programme>

²⁷⁶⁵ British businesses avoid tariff cliff edge with Mexico, Department for Business and Trade (London) 10 November 2023. Access date: 4 December 2023. <https://www.gov.uk/government/news/british-businesses-avoid-tariff-cliff-edge-with-mexico>

²⁷⁶⁶ Measuring, monitoring, reporting and verifying greenhouse gas emissions across the international supply chain for natural gas: International working group joint statement, Department for Energy Security and Net Zero (London) 15 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/publications/greenhouse-gas-emissions-from-the-natural-gas-supply-chain-international-working-group-joint-statement/measuring-monitoring-reporting-and-verifying-greenhouse-gas-emissions-across-the-international-supply-chain-for-natural-gas-international-working-g>

²⁷⁶⁷ Boost for offshore wind as government raises maximum prices in renewable energy auction, Department for Energy Security and Net Zero (London) 16 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/news/boost-for-offshore-wind-as-government-raises-maximum-prices-in-renewable-energy-auction>

²⁷⁶⁸ Billions of investment for British manufacturing to boost economic growth, His Majesty's Treasury (London) 17 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/news/billions-of-investment-for-british-manufacturing-to-boost-economic-growth>

²⁷⁶⁹ New UK and Republic of Korea clean energy partnership to accelerate net zero transition, Department for Energy Security and Net Zero (London) 22 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/news/new-uk-and-republic-of-korea-clean-energy-partnership-to-accelerate-net-zero-transition>

On 22 November 2023, Secretary Coutinho and Korea's Minister Bang signed a Framework for Semiconductor Cooperation.²⁷⁷⁰ This framework strives to reinforce the bilateral cooperation between the two countries to fortify semiconductor trade. The framework serves as an affirmation of streamlining focus to global semiconductor supply chains and their enhancement.

On 22 November 2023, United Kingdom Export Finance helped SeAH Wind UK corporation to secure GBP367 million in financing to invest in a new wind monopile manufacturing facility in England.²⁷⁷¹ This investment allows for the United Kingdom to pursue a diversification of green energy sources, thus diversifying and enhancing the energy supply chain.

On 23 November 2023, the National Cyber Security Centre released a warning about supply chain intrusions and the potential for disruption.²⁷⁷² The National Cyber Security Centre indicated close monitoring of the software supply chain products, and the involvement of North Korea in active disruption of software supply chains.

On 26 November 2023, the Department of Business and Trade released the United Kingdom Battery Strategy which aims to establish an advanced battery supply chain.²⁷⁷³ This plan involves a comprehensive framework to approach this task and validates British-international multilateral commitments to promote supply chain resilience through diversification and active construction of the supply chain.

On 26 November 2023, the Department of Business and Trade formally announced the Advanced Manufacturing Plan.²⁷⁷⁴ The plan consolidates the United Kingdom's objectives to increase supply chain manufacturing by streamlining investment to manufacturing, solidifying international relationships to enhance supply chains and inviting international investors.

On 27 November 2023, a UK delegation comprised of His Majesty's Treasury, the Bank of England and the Financial Conduct Authority met with a Japanese delegation comprised of the Ministry of Finance and the Financial Services Agency for the Fifth Financial Dialogue and Financial Regulatory Forum in Tokyo, Japan.²⁷⁷⁵ The forum involved a reaffirmation of bilateral commitment to the Partnership for Resilient and Inclusive Supply-chain Enhancement. Discussions included the diversification of supply chains to promote clean energy products through transmission of information platforms.

The United Kingdom has fully complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries. The United Kingdom has taken action and initiative to pursue international trade relationships that ensure development projects maintain their focus on this commitment. They are active participants in public-private partnerships and foreign direct investment projects to promote supply chain resiliency within developing countries.

²⁷⁷⁰ UK-Republic of Korea framework for semiconductor cooperation: joint statement, Department for Science, Innovation and Technology (London) 22 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/publications/uk-republic-of-korea-framework-for-semiconductor-cooperation-joint-statement/uk-republic-of-korea-framework-for-semiconductor-cooperation-joint-statement>

²⁷⁷¹ Ground-breaking UK Export Finance deal secures huge investment in North-East England, United Kingdom Export Finance (London) 22 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/news/ground-breaking-uk-export-finance-deal-secures-huge-investment-in-north-east-england>

²⁷⁷² UK and Republic of Korea issue warning about DPRK state-linked cyber actors attacking software supply chains, National Cyber Security Centre (London) 23 November 2023. Access Date: 4 December 2023. <https://www.ncsc.gov.uk/news/uk-republic-of-korea-issue-warning-dprk-state-linked-cyber-actors-attacking-software-supply-chains>

²⁷⁷³ Guidance: UK Battery Strategy, Department for Business and Trade (London) 26 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/publications/uk-battery-strategy>.

²⁷⁷⁴ Advanced Manufacturing Plan, Department for Business and Trade (London) 26 November 2023. Access Date: 4 December 2023. <https://www.gov.uk/government/publications/advanced-manufacturing-plan>

²⁷⁷⁵ UK-Japan Financial Dialogue and Financial Regulatory Forum: joint statement, His Majesty's Treasury (London) 27 November 2023. Access Date: 4 December 2023. [https://www.gov.uk/government/publications/uk-japan-financial-dialogue-and-financial-regulatory-forum-joint-statement](https://www.gov.uk/government/publications/uk-japan-financial-dialogue-and-financial-regulatory-forum-joint-statement/uk-japan-financial-dialogue-and-financial-regulatory-forum-joint-statement)

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

Analyst: Parami Epaarachchi

United States: +1

The United States has fully complied with its commitment towards enhancing resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries.

On 22 May 2023, ministers from the United States National Security Council and Australia's Department of Industry formed a task force to develop a plan by the year's end to encourage stronger economic-industrial collaboration between the United States and Australia.²⁷⁷⁶ This plan includes the United States backing Australia's critical mineral's industry, including Lithium through coordinating investment and policies to encourage growth.

On 27 May 2023, Commerce Secretary Gina Raimondo announced that trade ministers of 14 countries in the United States led Indo-Pacific Economic Framework (IPEF) talks substantially completed a deal to make supply chains more resilient and secure.²⁷⁷⁷ The deal helps IPEF members to be able to seek support and coordinate closer in a crisis with the United States to deal with supply chain disruptions, increasing their resilience.

On 8 June 2023, President Joe Biden and British Prime Minister Rishi Sunak announced the Atlantic Declaration.²⁷⁷⁸ In the Atlantic Declaration, both parties agreed to work together to decrease the United Kingdom's reliance on Russian fuel through a nuclear energy partnership, cooperate on development of 5G/6G technologies and create a critical minerals agreement which would allow some UK firms to access tax credits available under the US Inflation Reduction Act.

On 27 June 2023, the first ever US-Mongolia-Korea Critical Minerals Dialogue was hosted by Secretary of State for Economic Growth, Energy, and the Environment Jose W. Fernandez.²⁷⁷⁹ Throughout the dialogue the three governments convened and exchanged important information on the critical minerals supply chain and highlighted the potential of Mongolia's mineral resource sector and the role it could play in meeting the global demand for critical minerals.

On 30 June 2023, the State Department directed funding from the International Technology Security and Innovation (ITSI) fund towards supporting the Organisation for Economic Co-operation and Development's work on expanding the semi-conductor supply chain globally through the Committee on Industry, Innovation and Entrepreneurship and the Committee on Digital Economy Policy.²⁷⁸⁰

²⁷⁷⁶ Australia wins U.S. support for critical minerals industry, Reuters (London) 22 May 2023. Access Date: 3 November 2023. <https://www.reuters.com/markets/commodities/australia-gets-us-backing-critical-minerals-industry-2023-05-22/>

²⁷⁷⁷ U.S.-led Indo-Pacific talks produce deal on supply chain early warnings, Reuters (London) 27 May 2023. Access Date: 5 November 2023. <https://www.reuters.com/markets/asia/us-led-indo-pacific-talks-produce-deal-supply-chain-early-warnings-2023-05-27/>

²⁷⁷⁸ US and UK back new 'Atlantic Declaration' for economic cooperation, Reuters (London) 8 June 2023. Access Date: 4 November 2023. <https://www.reuters.com/world/us-uk-back-new-atlantic-declaration-economic-cooperation-2023-06-08/>

²⁷⁷⁹ Inaugural U.S.-Mongolia-ROK Critical Minerals Dialogue Held in Ulaanbaatar, U.S. Department of State (Washington D.C.) 27 June 2023. Access Date: 4 November 2023. <https://www.state.gov/inaugural-u-s-mongolia-rok-critical-minerals-dialogue-held-in-ulaanbaatar/>

²⁷⁸⁰ International Engagement Project Under the CHIPS Act/International Technology Security and Innovation Fund, [Office of the Spokesperson] (Washington D.C.) 30 June 2023. Access Date: 4 November 2023. <https://www.state.gov/international-engagement-project-under-the-chips-act-international-technology-security-and-innovation-fund/>

On 13 July 2023, the Department of Energy announced a fund of USD32 million for projects to help build facilities to produce rare earth elements and other critical minerals from domestic resources.²⁷⁸¹ This fund aims to strengthen the supply of these resources.

On 14 July 2023, the State Department partnered with the Government of Costa Rica to aid the development of its semiconductor industry through the ITSI fund.²⁷⁸² This partnership aims to develop a more resilient, secure and sustainable global semiconductor supply chain, helping to diversify the global supply chain for critical infrastructure materials such as semiconductors.

On 20 July 2023, the State Department partnered with the Government of Panama to aid the development of its semiconductor industry through the ITSI fund.²⁷⁸³ The partnership aims to diversify the global supply chain of semiconductors through the ITSI fund and improve global economic resilience.

On 21 August 2023, the Department of Energy announced a fund of up to USD30 million under the Bipartisan Infrastructure Law to lower the costs of domestic production of rare earth elements and critical minerals.²⁷⁸⁴

On 6 September 2023, the Department of Energy announced a fund of up to USD150 million under the Bipartisan Infrastructure Law to advance cost effective environmentally responsible processes to refine critical minerals and materials.²⁷⁸⁵ This fund is intended help the US market meet the growing demand for critical minerals and materials.

On 9 September 2023, President Biden and the United States International Development Finance Corporation stated that they would support Angola, Zambia and the Democratic Republic of the Congo to develop the open-access Lobito Atlantic Railway Corridor with USD250 million.²⁷⁸⁶ Furthermore, the United States and European Union has also pledged to support the governments in launching pre-feasibility studies on this corridor. These efforts are intended to lower logistics costs for shipping critical minerals in the area and support diversified global suppliers in critical minerals to improve global supply chain resilience.

²⁷⁸¹Biden-Harris Administration Invests \$32 Million to Strengthen Nation's Critical Minerals Supply Chain, [Department of Energy] (Washington D.C.) 13 July 2023. Access Date: 5 November 2023. <https://www.energy.gov/articles/biden-harris-administration-invests-32-million-strengthen-nations-critical-minerals-supply>

²⁷⁸²New Partnership with Costa Rica to Explore Semiconductor Supply Chain Opportunities, [Office of the Spokesperson] (Washington D.C.) 14 July 2023. Access Date: 4 November 2023. <https://www.state.gov/new-partnership-with-costa-rica-to-explore-semiconductor-supply-chain-opportunities/>

²⁷⁸³New Partnership with Panama to Explore Semiconductor Supply Chain Opportunities, [Office of the Spokesperson] (Washington D.C.) 20 July 2023. Access Date: 4 November 2023. <https://www.state.gov/new-partnership-with-panama-to-explore-semiconductor-supply-chain-opportunities/>

²⁷⁸⁴Biden-Harris Administration Announces \$30 Million to Build Up Domestic Supply Chain for Critical Minerals, [Department of Energy] (Washington D.C.) 21 August 2023. Access Date: 5 November 2023. <https://www.energy.gov/articles/biden-harris-administration-announces-30-million-build-domestic-supply-chain-critical>

²⁷⁸⁵Biden-Harris Administration Announces \$150 Million to Strengthen Domestic Critical Material Supply Chains, Department of Energy (Washington D.C.) 6 September 2023. Access Date: 5 November 2023. <https://www.energy.gov/articles/biden-harris-administration-announces-150-million-strengthen-domestic-critical-material>

²⁷⁸⁶Joint Statement from the United States and the European Union on Support for Angola, Zambia and the Democratic Republic of the Congo's commitment to Further Develop the Lobito Corridor and the U.S.-EU Launch of a Greenfield Rail Line Feasibility Study, Office of the Spokesperson (Washington D.C.) 9 September 2023. Access Date: 4 November 2023. <https://www.whitehouse.gov/briefing-room/statements-releases/2023/09/09/joint-statement-from-the-united-states-and-the-european-union-on-support-for-angola-zambia-and-the-democratic-republic-of-the-congos-commitment-to-further-develop-the-lobito-corridor-and-the/>

On 11 September 2023, the State Department partnered with the Government of Vietnam to aid the development of its semiconductor industry through the ITSI fund.²⁷⁸⁷ The partnership aims to diversify the global supply chain of semiconductors through the ITSI fund and improve global economic resilience.

On 22 September 2023, the Department of Commerce released the final rule implementing the national security guardrails of the bipartisan CHIPS and Science Act.²⁷⁸⁸ This rule acts as a guardrail to increase the semiconductor supply chain's resilience by regulating the location of CHIPS recipient's manufacturing facilities.

On 5 October 2023, the United States, along with the United Kingdom, Australia, Japan and Canada, created a coalition to advance security priorities regarding telecommunications.²⁷⁸⁹ This coalition, titled the Global Coalition on Telecommunications, will strive to ensure supply chain resiliency by concentrating efforts on strengthening and protecting critical communications networks. This move indicates the correlation of supply chain resiliency to telecommunications and technological advancement. Further, the United Kingdom's participation aims to broaden the global telecoms supply chains and trade supply chains by British telecommunications networks.

From 11-17 November 2023, the United States hosted a meeting of Asia Pacific Economic Cooperation (APEC) leaders under the theme of "Creating a Resilient and Sustainable Future for All," where the leaders committed to addressing supply chain disruptions and improving resilience, in order to create an interconnected Asia-Pacific region.²⁷⁹⁰

On 27 November 2023, President Biden announced 30 new actions to strengthen supply chains critical to the United States' economic resilience.²⁷⁹¹ Among these actions, there are commitments to semiconductor and critical minerals supply chain resilience as well as a USD275 million investment in a grant concerning critical minerals and batteries and a USD3.5 billion investment to boost production of batteries and battery materials.

The United States has fully complied with its commitment towards enhancing resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries. Internationally, the United States has undertaken multiple initiatives to strengthen global economic resilience and supply chains through investment, bilateral agreements, summits and technological cooperation.

Thus, United States receives a score of +1.

Analyst: Ngai Chung Chan

²⁷⁸⁷Joint Statement from the United States and the European Union on Support for Angola, Zambia and the Democratic Republic of the Congo's commitment to Further Develop the Lobito Corridor and the U.S.-EU Launch of a Greenfield Rail Line Feasibility Study, Office of the Spokesperson (Washington D.C.) 9 September 2023. Access Date: 4 November 2023.

<https://www.whitehouse.gov/briefing-room/statements-releases/2023/09/09/joint-statement-from-the-united-states-and-the-european-union-on-support-for-angola-zambia-and-the-democratic-republic-of-the-congos-commitment-to-further-develop-the-lobito-corridor-and-the/>

²⁷⁸⁸Biden-Harris Administration Announces Final National Security Guardrails for CHIPS for America Incentives Program, Department of Commerce (Washington D.C.) 22 September 2023. Access Date: 5 November 2023.

<https://www.commerce.gov/news/press-releases/2023/09/biden-harris-administration-announces-final-national-security>

²⁷⁸⁹ UK joins leading nations to form new telecoms coalition and invests £70 million in new future telecoms technologies. Department for Science, Innovation and Technology (London). 5 October 2023. Access Date: 5 November 2023.

<https://www.gov.uk/government/news/uk-joins-leading-nations-to-form-new-telecoms-coalition-and-invests-70-million-in-new-future-telecoms-technologies>

²⁷⁹⁰ 2023 APEC Leaders' Golden Gate Declaration, The White House (Washington DC) 17 November 2023. Access Date: 15 January 2024. <https://www.whitehouse.gov/briefing-room/statements-releases/2023/11/17/2023-apec-leaders-golden-gate-declaration/>

²⁷⁹¹FACT SHEET: President Biden Announces New Actions to Strengthen America's Supply Chains, Lower Costs for Families, and Secure Key Sectors, The White House (Washington D.C.) 27 November 2023. Access Date: 7 December 2023.

<https://www.whitehouse.gov/briefing-room/statements-releases/2023/11/27/fact-sheet-president-biden-announces-new-actions-to-strengthen-americas-supply-chains-lower-costs-for-families-and-secure-key-sectors/>

European Union: 0

The European Union has partially complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries.

On 31 May 2023, the European Union and the United States engaged in discussions at the fourth meeting of the Trade and Technology Council, where they shared their commitment to semiconductor innovation and creating a resilient chip supply chain industry.²⁷⁹² Both members create a joint warning mechanism to ensure transparency in the semiconductor field and agree to share information from each respective member. This pairing aligns with the goal of combating supply chain shortages through communication and prevention while also ensuring transparent action is taken.

On 15 June 2023, the US-EU Trade and Technology Council was announced by President Biden, European Commission President von der Leyen and European Council President Charles Michel.²⁷⁹³ The members express commitment towards rebalancing semiconductor supply chains through design, production and research from all members.

On 3 July 2023, the European Commission and the Japanese Ministry of Economy, Trade and Industry (METI) signed a Memorandum of Cooperation on semiconductors at the first Japan-EU Digital Partnership Council meeting.²⁷⁹⁴ The scope of this Memorandum includes semiconductor research, development, supply chain risk management and risk mitigation efforts. Moreover, the Memorandum between the members also aligns with the goal to create and maintain strategic partnerships in the industry.

On 6 July 2023, the European Commission and the Japan Organization for Metals and Energy Security signed the Administrative Arrangement.²⁷⁹⁵ This agreement reinforces the EU and Japan cooperation on critical raw materials supply chains. The EU and Japan have arranged annual meetings to take further action and review progress on the act.

On 11 July 2023, the European Parliament and the European Council adopted new legislation to respond to supply chain shortages of chips and semiconductors.²⁷⁹⁶ Members of the European Parliament secured EUR3.3 million towards chip research and innovation. This funding will be put towards a network of competence centres tasked with further research, development and production.

On 14 September 2023, the European Parliament adopted draft legislation to reduce red tape, boosting innovation and developing alternative material by partnering with other countries on critical raw materials.²⁷⁹⁷ The European Parliament committed to adopting full legislation by the end of 2023.

²⁷⁹² U.S.-EU Joint Statement of the Trade and Technology Council, The White House (Washington D.C.) 31 May 2023. Access Date: 3 December 2023. <https://www.whitehouse.gov/briefing-room/statements-releases/2023/05/31/u-s-eu-joint-statement-of-the-trade-and-technology-council-2/>

²⁷⁹³ U.S.-EU Summit Statement, The White House (Washington D.C.) 15 June 2023. Access Date: 3 December 2023. <https://www.whitehouse.gov/briefing-room/statements-releases/2021/06/15/u-s-eu-summit-statement/>

²⁷⁹⁴ EU and Japan boost strategic cooperation on digital and on critical raw materials supply chains, European Commission (Brussels) 13 July 2023. Access Date: 4 November 2023. https://ec.europa.eu/commission/presscorner/detail/en/ip_23_3831

²⁷⁹⁵ EU and Japan boost strategic cooperation on digital and on critical raw materials supply chains, European Commission (Brussels) 13 July 2023. Access Date: 4 November 2023. https://ec.europa.eu/commission/presscorner/detail/en/ip_23_3831

²⁷⁹⁶ Semiconductors: MEPs adopt legislation to boost EU chips industry, European Parliament (Brussels) 11 July 2023. Access Date: 4 November 2023. <https://www.europarl.europa.eu/news/en/press-room/20230707IPR02418/semiconductors-meps-adopt-legislation-to-boost-eu-chips-industry>

²⁷⁹⁷ Critical raw materials: Securing the EU's supply and sovereignty, European Commission (Brussels) 14 September 2023. Access Date: 4 November 2023. <https://www.europarl.europa.eu/news/en/press-room/20230911IPR04927/critical-raw-materials-securing-the-eu-s-supply-and-sovereignty>

On 14 September 2023, the French start-up Verkor fundraised more than EUR2 billion to contribute to the construction of an electric battery factory in Dunkirk.²⁷⁹⁸ The French government alongside the European Investment Bank will further subsidize the project to solidify France’s national contributions to the “European electric car industry.” This public-private sector partnership highlights the state-corporation relationships in France to collaborate to progress supply chain diversification and resilience.

On 13 November 2023, the European Council and European Parliament agreed on proposed regulations that establish a framework ensuring the sustainable critical minerals supply chain.²⁷⁹⁹ Dubbed the Critical Raw Materials Act, is yet to be formally adopted by either institution but the advanced progress of the deal has resulted in strengthened definition and objective clauses. This act provides clarity, risk mitigation, project planning and sourcing to relevant stakeholders in raw materials.

On 24 November 2023, the EU-India Trade and Technology Council agreed on a Memorandum of Understanding between the members on semiconductors.²⁸⁰⁰ Along with the overall ecosystem, this Memorandum outlines a framework on supply chain innovation and strategy.

On 30 November 2023, the European Commission launched the Chips Joint Undertaking.²⁸⁰¹ This act allocates EUR1.67 billion of EU funding to be put towards semiconductor innovation, research and industry. Moreover, this act will continue to generate funding from Member States at EUR3.3 billion. This act will establish testing facilities, pilot projects and develop resources for quantum chips while establishing a network of competence centres in this field.

On 30 November 2023, the Government of Greenland and the European Union signed a Memorandum of Understanding towards a strategic partnership for the members to develop sustainable raw material value chains.²⁸⁰² This Memorandum outlines several components including methods to build resilience in critical raw materials and cooperation on research.

The European Union has partially complied with its commitment to enhance resilient supply chains through partnerships with a focus on critical minerals, semiconductors and batteries. While the European Union has taken strong action with regards to resilient supply chains and created several partnerships relating to critical minerals and semiconductors, it has not addressed battery supply chains.

Thus, the European Union receives a score of 0.

Analyst: Jasleen Badwal

²⁷⁹⁸ Batteries électriques : la start-up Verkor réalise une levée de fonds record pour sa gigafactory de Dunkerque. Le Monde France (Paris). 14 September 2023. Translation provided by Google Translate. Access Date: 3 November 2023.

https://www.lemonde.fr/economie/article/2023/09/14/batteries-electriques-la-start-up-verkor-realise-une-leeve-de-fonds-record-pour-sa-gigafactory-de-dunkerque_6189302_3234.html

²⁷⁹⁹ Council and Parliament strike provisional deal to reinforce the supply of critical raw materials, European Council (Brussels) 13 November 2023. Access Date: 3 December 2023 <https://www.consilium.europa.eu/en/press/press-releases/2023/11/13/council-and-parliament-strike-provisional-deal-to-reinforce-the-supply-of-critical-raw-materials/>

²⁸⁰⁰ Commission and India sign agreement on semiconductors, European Commission (Brussels) 24 November 2023. Access Date: 3 December 2023 https://ec.europa.eu/commission/presscorner/detail/en/IP_23_4380

²⁸⁰¹ Commission launches Chips Joint Undertaking under the European Chips Act, European Commission (Brussels) 30 November 2023. Access Date: 2 December 2023. https://ec.europa.eu/commission/presscorner/detail/en/IP_23_6167

²⁸⁰² Commission launches Chips Joint Undertaking under the European Chips Act, European Commission (Brussels) 30 November 2023. Access Date: 2 December 2023. https://ec.europa.eu/commission/presscorner/detail/en/IP_23_6167