

U.S.-Japan Competitiveness and Resilience (CoRe) Partnership

The United States and Japan pledge to revitalize our Alliance and make practical commitments to fulfill its potential. Together we will advance innovation, end this pandemic and protect the world from future ones, combat the climate crisis, and enhance our people-to-people ties. Through these concrete initiatives, the United States and Japan will deliver results for our people, the Indo-Pacific, and the world.

Competitiveness and Innovation

Throughout our individual and shared histories, the United States and Japan have been global leaders in innovation. Our new partnership for competitiveness and innovation carries on that tradition, focusing on scientific and technological advances. Together, we will lead a sustainable, green global economic growth, guided by the principles of openness and democracy. This includes our cooperation on research and technology development across diverse fields: Cancer Moonshot, biotechnology, artificial intelligence, quantum information science and technology, civil space cooperation (including the Artemis program and asteroid exploration), and secure information and communications technology (ICT), among others. With this partnership between two of the world's leading economies, we will lead the globe in building back better and promoting sustainable growth in the future.

Together, the United States and Japan will:

- Advance secure and open 5G networks, including Open Radio Access Networks (“Open-RAN”), by fostering innovation and by promoting trustworthy vendors and diverse markets.
- Strengthen competitiveness in the digital field by investing in research, development, testing, and deployment of secure networks and advanced ICT including 5G and next-generation mobile networks (“6G” or “Beyond 5G”). The United States has committed \$2.5 billion to this effort, and Japan has committed \$2 billion.
- Build on successful U.S.-Japan cooperation in third-countries and launch a Global Digital Connectivity Partnership to promote secure connectivity and a vibrant digital economy while building the cybersecurity capacity of our partners to address shared threats.
- Strengthen collaboration and information exchange between U.S. and Japanese ICT experts in global standards development.
- Cooperate on sensitive supply chains, including semi-conductors, and on the promotion and protection of critical technologies.
- Advance biotechnology for the global good by focusing on genome sequencing and the principles of openness, transparency, collaboration, and research integrity.
- Reinforce collaboration and partnerships between research institutions on quantum information science and technology through joint research and exchange of researchers.

COVID-19 Response, Global Health, and Health Security

The United States and Japan have built a partnership to help the Indo-Pacific region recover from the COVID-19 pandemic, including through the landmark Quad Vaccine Partnership with Australia and India, taking shared action necessary to expand safe and effective COVID-19 vaccine manufacturing, and working to strengthen and assist countries in the Indo-Pacific with

vaccination. We will also expand our partnership beyond COVID-19, building longer-term global health security to help prevent the next pandemic.

Together, the United States and Japan will:

- Enhance our support to the Access to COVID-19 Tools Accelerator, including the COVAX facility, and encourage others to do the same thereby collectively filling the financial needs to ensure equitable access to safe, effective, and affordable vaccines, therapeutics and diagnostics particularly in developing countries.
- Coordinate closely, through the Quad Vaccine Partnership, to facilitate production, procurement, and delivery of safe, effective, and affordable vaccines in the Indo-Pacific, including by expanding manufacturing capacity of COVID-19 vaccines in India.
- In a new partnership, coordinate health security financing, regional surge capacity, and triggers for rapid response.
- Establish regional pandemic response surge capacity, working with partners to promote manufacturing of personal protective equipment and medical countermeasures.
- Work together and with others toward World Health Organization reform, including through the creation of swift triggers to respond to future biological threats, an independent oversight mechanism, and accountability for pandemic response.
- Support a transparent and independent evaluation and analysis, free from interference and undue influence, of the origins of the COVID-19 outbreak, and for investigating outbreaks of unknown origin in the future.
- Support the Global Health Security Agenda, as steering group members, to improve global capacity to prevent, detect, and respond to infectious disease threats.
- Exchange data and practical knowledge, including simulation data on virus transmission from supercomputers such as Japan's Fugaku and the United States' Summit to develop innovative and more effective methods and techniques for infection prevention measures.
- Reinforce collaboration between research institutions such as the National Institutes of Health and Japan Agency for Medical Research and Development and cooperation for resilient medical supply chains to improve preparedness for future crises.

Climate Change, Clean Energy, and Green Growth and Recovery

The United States and Japan have launched a new partnership to address climate change and to promote green, sustainable global growth and recovery making full use of our technologies in the clean energy and other relevant sectors.

The two leaders are committed to taking decisive climate action by 2030, aligned both with efforts to limit the global temperature increase to 1.5 degrees Celsius and with our 2050 greenhouse gas emissions net-zero goals. The United States and Japan will align official international financing with the global achievement of net-zero greenhouse gas emissions no later than 2050 and deep emission reductions in the 2020s, and will work to promote the flow of public and private capital toward climate-aligned investments and away from high-carbon investments.

Together, the United States and Japan will:

- Cooperate on Paris Agreement implementation, with a focus on achieving our respective 2030 targets/nationally determined contributions and 2050 greenhouse gas emissions net-zero goals.

- Collaborate and support innovation, development, and deployment of such clean-energy technologies as renewable energy and energy efficiency technologies, grid modernization, energy storage (including batteries and long-duration storage technologies), smart grid, hydrogen, Carbon Capture, Utilization and Storage/Carbon Recycling, industrial decarbonization and advanced nuclear power.
- Promote development and use of adaptive climate- and environment-friendly infrastructure related to grid optimization, demand response, smart grids, and renewable energy and energy efficiency.
- Cooperate on other areas that contribute to climate change mitigation, clean energy and green growth and recovery, including ICT technology (such as smart cities, power saving ICT infrastructure, and digital solutions to infrastructure management), carbon neutral ports as well as sustainable and climate-smart agriculture.
- Support developing countries, including those in the Indo-Pacific region, to rapidly deploy renewable energy, drive the decarbonization of their economies, and accelerate diverse, ambitious, and realistic transition paths in the region, toward the realization of net-zero emissions globally no later than 2050, including through the newly established Japan-U.S. Clean Energy Partnership (“JUCEP”) and other country-level climate and clean energy collaborative activities.

Expanding and Renewing Our Partnership

The United States and Japan will continue to add new dimensions to our partnership while cooperating in the fields of long-standing areas.

The United States and Japan will strengthen our people-to-people ties. The next generation of leaders who will continue to strengthen the bonds between the United States and Japan are participating in our extensive international exchange programs, working together on joint projects and research. In this spirit, we are proud to announce the resumption of the Mansfield Fellowship program. Together, we will redouble our energies to build the next generation of American experts on Japan through a renewed two-year fellowship program. We are also expanding opportunities for American students that are historically underrepresented in education abroad – including, but not limited to, first-generation college students, students in STEM fields, ethnic minority students, students with disabilities, students attending minority-serving institutions, and community college students – by offering an additional 20 Gilman Scholarships for study abroad in Japan. Finally, like the United States, Japan recognizes the importance of addressing the root causes of migration from the Northern Triangle countries of Central America, and is committed to addressing those issues together.