

Comprehensive MOU (As of October 22, 2025)

Area	Country / Region	Organization	Intended Areas of Cooperation	Initial MOU	From	Until
	Thailand	National Science and Technology Development Agency (NSTDA)	Cooperation in a broad range of scientific areas including, but not limited to: ●Energy and environment, ●Life science and biotechnology, ●Information technology and human factors (incl. artificial intelligence), ●Materials and chemistry (incl. nanoscience and nanotechnology), and ●Electronics and manufacturing.	2004/11/25	2021/4/22	2026/4/21
	Taiwan	Industrial Technology Research Institute (ITRI)	Cooperation in the areas of mutual interest such as: ●Nanotechnology, ●Electronics, ●Materials and Chemistry, and ●Metrology.	2005/9/26	2021/7/14	2026/7/13
	South Korea	Korea Research Institute of Standards and Science (KRISS)	Metrology and measurement standards in broad fields with emphasis on quantum information science	2024/1/3	2024/1/3	2029/1/2
	Mongolia Japan	Ministry of Mineral Resources and Energy in Mongolia (MMRE) Japan Oil, Gas and Metals National Corporation (JOGMEC)	Cooperation on geological investigation and implementation of the mineral resources projects in Mongolia	2010/7/30	2010/7/30	No date specified
Europe	Netherland Japan	Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO (TNO) AIST Solutions Co. (AISol)	●AI/Semiconductor ●Biotech/Well-being ●Digital Platform ●Energy Solution ●Others	2024/10/30	2024/10/30	2029/10/29
	Germany	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e. V. (FhG)	Cooperation in the areas of mutual interest including, but not limited to: ●photovoltaics ●hydrogen energy carrier ●hydrogen utilization ●solid oxide fuel cell ●biopolymers ●carbon nanotube actuators ●recycled carbon fiber ●photonic devices ●quantum computing ●biological transformation	2012/7/6	2022/7/6	2027/7/5
	Germany	Deutsches Zentrum für Luft- und Raumfahrt (DLR)	●thermoelectric conversion ●lithium-ion battery ●solid oxide fuel cell (SOFC) / solid oxide electrolysis cell (SOEC) ●analysis and utilization for satellite imagery and satellite data ●quantum technologies, including quantum computing, hybrid computing combining quantum processors with high-performance computers (HPC), and quantum sensing	2017/3/19	2022/3/19	2027/3/18
	Finland	Technical Research Centre of Finland (VTT)	Research cooperation in the fields including, but not limited to: ●Electronics and manufacturing ●Materials and chemistry ●Information technology and human factors	2006/2/15	2021/2/15	2026/2/14
	France	Centre National de la Recherche Scientifique (CNRS)	●Areas of mutual interest	2001/11/22	2021/11/22	2026/11/21
	EU	Joint Research Centre of the European Commission (JRC)	Collaboration in the fields including, but not limited to: ●Energy ●Critical Raw Materials ●AI for Earth Observation ●Smart Cities, and ●Smart Mobility	2017/5/29	2022/5/29	2027/5/28
Oceania	Australia	Commonwealth Scientific and Industrial Research Organisation (CSIRO)	Cooperation in the areas of mutual scientific interest including, but not limited to: ●energy and environment ●electronics and manufacturing ●geology	2007/3/6	2022/3/5	2027/3/4
	Canada	National Research Council of Canada (NRC)	Cooperation in areas of mutual interest such as: ●quantum technologies; ●advanced manufacturing; ●clean technologies; ●digital technologies; ●human factors; ●life sciences; ●nanotechnology; and ●metrology and standards	2019/10/9	2023/11/14	2028/11/13

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North America	U. S. A.	National Institute of Standards and Technology (NIST)	Cooperation in a broad range of scientific areas including, but not limited to: ● Metrology ● Information Technology, Artificial Intelligence, and Robotics ● Life science, and Biotechnology ● Environment, and Energy ● Nanotechnology, Materials, and Chemistry ● Electronics, and Manufacturing ● Quantum information science, related measurement technology and its standardization	2009/5/4	2023/11/14	2028/11/13
	U. S. A.	National Renewable Energy Laboratory (NREL)	The shared objectives and outcomes for the collaborative activities planned under this MOU are focused on cooperation to maximize the benefit to their respective institutional interests, including the following selected topics: ● Solar Photovoltaics ● Hydrogen ● Life Cycle Analysis ● Wind Energy	2009/5/4	2025/8/7	2030/8/6
	U. S. A.	Brookhaven National Laboratory (BNL)	Cooperation in a broad range of scientific areas including, but not limited to: ● Artificial photosynthesis ● CO2 utilization technologies	2015/5/28	2021/4/12	2026/4/11