Organizational Cooperation

Tohoku University facilitates organized cooperation with private enterprises and research institutes, and promotes practical cooperation in all areas where mutual cooperation is possible, such as research and development, human resources development, and in its responsibilities to the regional community.

(as of May 1, 2024)

Agreement Concluded	Company/ Institute	Objective
Jan. 19, 2006	Hitachi, Ltd.	Collaborative research and mutual exchange in the fields of electricity, information, materials and mechanics.
Jan. 31, 2006	National Institute of Advanced Industrial Science and Technology (AIST)	Collaborative research in the fields of environment, materials, information and telecommunication, and electronics, etc. and promotion of "AIST-TohokuU Mathematics for Advanced Materials - Open Innovation Laboratory (MathAM-OIL)
Jul. 27, 2006	SEIKO EPSON CORPORATION	Promotion of collaborative research, mutual exchange of researchers, education and development of human resources, and international student assistance for the advancement of international exchange.
Dec. 26, 2006	KAHOKU SHIMPO PUBLISHING CO.	Work together effectively and efficiently in the areas of research and investigation, event co-sponsorship and collaboration, human resource development, etc. while connecting the educational and research functions of Tohoku University and the news coverage and information service functions of Kahoku Shimpo.
Jan. 31, 2007	The 77 Bank, Ltd.	Provide support and exchange information regarding Tohoku University-based start-ups; coordinate matching between Tohoku University's seeds and regional companies; and provide technical advice and promote exchange of human resources.
Mar. 6, 2007	DOWA HOLDINGS CO., LTD.	Promote joint research and mutual exchange of researchers, foster young researchers, and establish mutual use of research institutes and facilities.
Jul. 25, 2008	Central Institute for Experimental Animals	Collaborative research in the fields of life science, biological science, materials science, psychology and social science, and the cultivation and interaction of human resources.
Feb. 19, 2009	High Energy Accelerator Research Organization (KEK)	Promotion of cooperative research in the fields of elementary particle/nuclear physics, physics/ life science and accelerator science, and strengthening cooperative research systems.
Mar. 9, 2009	National Institute for Fusion Science	Promotion of fusion reactor research, education and exchange of human resources.
Apr. 14, 2009	RIKEN	To develop diverse academic fields such as theory and experiments, and the fusion of computational science and computer science; create innovations through computational science; foster human resources who will be active globally; and promote the exchange of faculty and researchers.
Feb. 12, 2010	NTT, NTT East	Further expansion of coordinated cooperation in the fields of information and communications, extension and revitalization of educational and research activities, and promotion of interdisciplinary research and development.
Jun. 4, 2010	Sumitomo Metal Mining Co., Ltd.	Further expansion of collaborative research, mutual exchange and human resource development in order to promote research relating to nonferrous metal materials.
Jul. 26, 2011	Tokio Marine & Nichido Fire Insurance Co., Ltd.	Promotion of cooperation and collaboration in research and development, human resource development and other fields of mutual interests related to risk evaluation of earthquakes and tsunamis.
Nov. 10, 2011	Sendai City, University of Tsukuba	Promotion of research and development of algal biomass capable of producing petroleum components from household wastewater, aiming for realization of a fuel production model and new circulation system.
Jan. 19, 2012	National Institute of Information and Communications Technology (NICT)	Effective and efficient promotion of research on information communication technologies to reinforce information communication networks and its disaster-proof applications towards creation of a more disaster-resilient society.
Oct. 16, 2012	Japan Agency for Marine-Earth Science and Technology (JAMSTEC)	Promotion of cooperation and collaboration in the area of collaborative research and projects; mutual exchange of students and researchers and fostering human resource; Information exchange on academic materials and research reports etc.; utilization of facilities and equipment.
Oct. 30, 2012	Sendai City	Aim to be a top-class convention city utilizing the academic consortium of Sendai, as well as reinforce the intellectual foundation of the local community, revitalize the local economy, and strengthen civic power through mutal cooperation in attracting and hosting conventions and other events.
Mar. 27, 2013	Tohoku University Co-op	In an event of a disaster, provide smooth assistance with emergency living necessities through mutual cooperation.
Apr. 25, 2013	Hirosaki University, Iwate University, Miyagi University of Education, Akita University, Yamagata University, Fukushima University	In an event or possibility of a large scale disaster in the Tohoku region, implement rapid and precise emergency assistance to the affected university through cooperation between member universities to contribute to the restoration of the university and local community.
Aug. 1, 2013	TOSHIBA CORPORATION	Foster cooperation and coordination in areas with potential synergy, such as research and development, human resources development etc. in research areas related to “Research and Development of Health Care Big Data.”
Nov. 12, 2013	National Institute for Materials Science (NIMS)	Contribute to the promotion of science and technology and societal development through cooperative research and development, shared use and management of research facilities, and personnel exchange etc. in material science fields.
Dec. 18, 2013	Tohoku Regional Bureau Ministry of Land, Infrastructure and Transport	Promote and enhance cooperation and coordination to improve disaster protection functions, and facilitate sustainable development of local communities by building on the long-term trust fostered between the parties.
Mar. 28, 2014	Japan Atomic Energy Agency (JAEA)	Mutually utilize the research facilities, research results, human resources etc., and collaborate and cooperate to enhance mutual research and development and human resources development.
Aug. 1, 2014	Japan Agency for Medical Research and Development (AMED)	Promotion of cooperation and collaboration in novel drug discovery aimed at creation of innovative medicines.
Apr. 1, 2016	National Institutes for the Humanities	Comprehensive promotion and development of research on the Northeast Asian region.

Oct. 17, 2016	COOP Tohoku	Reduce food waste, make effective use of resources as well as contribute to social welfare by providing resources to organizations via COOP food bank.
Oct. 31, 2016	Pharmaceuticals and Medical Devices Agency (PMDA)	Mutually utilize the assets, capabilities, human resources etc. fostered between the parties, and contribute to the promotion of regulatory science in Japan.
Nov. 9, 2016	National Institutes for Quantum and Radiological Science and Technology (QST)	By utilizing the research facilities, equipment, research outcomes, and human resources possessed by both parties, and through mutual cooperation, we aim to enhance each other's research and development as well as human resource development.
Feb. 14, 2017	Organization for Small & Medium Enterprises and Regional Innovation, JAPAN	Strengthen industry-university collaboration through creation of university-ventures, and promotion of regional innovation, etc.
Mar. 1, 2017	Tohoku Regional Advancement Center	Contribute to sustainable regional development by improving regional activities and human resource development through cooperation in various fields, for revitalization of industry and cultivation of human resources in the Tohoku region.
Mar. 28, 2017	ALPS ALPINE CO., LTD.	Contribute to the promotion of the electronic parts industry and the development of society as a whole, through creation of new advanced technology businesses and cultivation of human resources to foster innovation for sustainable regional industry growth.
Apr. 20, 2017	JFE Steel Corporation	Contribute to the advancement of the steel industry and the development of society as a whole.
Jun. 29, 2017	Japan External Trade Organization (JETRO)	Collaborate and cooperate in programs such as education to foster global human resources, overseas development of agriculture, fisheries, and food industries, and utilization of University technologies globally.
Oct. 3, 2017	NIPPON STEEL CORPORATION	Contribute to the promotion of the steel industry and the development of society as a whole.
Nov. 8, 2017	The 77 Bank, Ltd., Tokyo Stock Exchange, Inc.	Contribute to regional economic revitalization and development through growth support of venture companies and regional companies as well as promotion of human resources development of entrepreneurs.
Dec. 14, 2017	Japan Oil, Gas and Metals National Corporation (JOGMEC)	Contribute to the development of academic and technological development in Japan related to resources and energy by utilizing supplementary mutual research and development capabilities, human resources and facilities.
Jan. 26, 2018	Kobe University, National Institutes for the Humanities	Contribute to the enhancement of the universities' education and research functions with regard to the inheritance and creation of historical culture in regional communities in Japan. Three collaborating organizations are promoting this project, which is designed as a national wide-area network project for the purpose of research and the preservation of historical cultural data in regional communities in Japan.
Jun. 5, 2018	Miyagi Prefecture Board of Education	Contribute to the promotion of school education and academics, as well as the development of the local community and human resources.
Jun. 26, 2018	Philips Japan, Ltd.	Focus on the use of digital technology (ICT) to study "human behavioral changes" to provide innovative healthcare solutions that aim to create new values improving preventive care and quality of life.
Jul. 18, 2018	Tokyo Institute of Technology	With regard to researching the fundamentals and applications of information science centered on quantum computing, the Tokyo Institute of Technology and Tohoku University aim to form a base in Japan and also to demonstrate global leadership by cooperating in a systematic fashion while making use of the strengths of both universities.
Sep. 5, 2018	JX Nippon Mining & Metals Corporation	Promote sustainable and organizational cooperation in all aspects such as research and development and human resources development in the non-ferrous metal industry to contribute to the further development of the whole society.
Sep. 19, 2018	Tokio Marine & Nichido Fire Insurance Co., Ltd.	Addressing social issues by implementing the findings of the world-leading research in the field of disaster science and healthcare.
Oct. 9, 2018	The Research Institute of Economy, Trade and Industry	Contribute to the promotion of academic research and the forming of policies using the results of research, thereby contributing to society.
Mar. 20, 2019	RIKEN	Contribute to the promotion of science and technology in Japan by effectively implementing cooperation and collaboration in research, education and the development of human resources, in a spirit of mutual benefit.
Apr. 2, 2019	Rakuten, Inc.	Leverage knowledge and assets in various fields such as healthcare, medical care, robotics and human resource development to create outstanding innovation and accelerate those social implementations.
Jul. 19, 2019	Ochanomizu University	Develop in human resources, and promote education and research through collaboration between the two universities, optimizing both educational resources and characteristics.
Aug. 27, 2019	The Dai-ichi Life Insurance Company, Limited, NTT DATA Corporation	Cooperation and collaboration in research and development, fostering human resources, venture business support including investment, and enhancement of the asset utilization that aim to address social challenges through innovation and regional revitalization.
Oct. 28, 2019	Meijo University	Contribute to the promotion of research, enhancement of education, and develop talented individuals through mutual cooperation utilizing the educational/research resources and features of both universities.
Mar. 6, 2020	RIKEN SPring-8 Center	Our aim is to use the research facilities owned by both parties to form research linkages in the field of synchrotron radiation in order to accelerate research and development, to train talented individuals in this field, and to contribute to the further stimulation of science and technology in Japan.
Mar. 15, 2021	Japanese Standareds Assosiation	Proposing the international standards about BOSAI (Disaster Risk Reduction) to develop a new Industrial Standards and developing international human resources for them.
Oct. 1, 2021	Aichi Steel Corporation	To promote the return of research results to society through industry-academia collaboration in the areas of research and development and human resources development, thereby contributing to the promotion of industry promotion, the development of whole society, and the pursuit of new innovation.
Dec. 10, 2021	Tohoku Electric Power	Promote sustainable and systematic collaboration and cooperation Contribute to the development of local communities through the realization of a safe, secure, sustainable, green, and smart future society originating from Tohoku
Mar. 8, 2022	Miyagi prefectural government	Contribute to the development of the local community through mutual cooperation based on comprehensive collaboration.
Mar. 9, 2022	National Research Institute for Earth Science and Disaster Resilience	The purpose is to create knowledge and diverse values that will contribute to the realization of a resilient society that can overcome national-level disasters through the establishment of an open research and education center for disaster prevention.
Mar. 25, 2022	Fukushima Prefecture	Contribute to further acceleration of recovery from the Great East Japan Earthquake and regional revitalization
Apr. 1, 2022	The University of Tokyo	The purpose is to contribute to the improvement of research and technology related to synchrotron radiation science in Japan, the promotion of industry, and the development of human resources in this field at NanoTerasu, the next-generation synchrotron radiation facility.

Apr. 22, 2022	Sendai city	Contribute to the development of the local community through mutual cooperation based on comprehensive collaboration.
Sep. 30, 2022	L'Orientale University of Naples, The University of British Columbia, Heidelberg University, Sapienza University of Rome, Leiden University, Jagiellonian University, The University of Granada	Presents the member's tenets and collaborate in promoting the significance as well as the role which Social Sciences and Humanities (SSH) should play in the global community.
Oct. 14, 2022	Toyota Motor Corporation	Utilization of new energy, such as hydrogen, in city development Creating disaster-resistant cities Creating new regional communities utilizing traditional houses, etc. Research and development aimed at enhancing the value of agricultural products
Mar. 7, 2023	The Yomiuri Shimbun	Build a cooperative system utilizing the education, research, and social contribution resources of Tohoku University and the journalism, media, and information data resources of the Yomiuri Shimbun. This system will aim to contribute to the mutual development as well as resolve social issues of current times including the revitalization of the Tohoku region based on the restoration from the great east Japan earthquake.
Mar. 22, 2023	Akita International University	Build a friendly relationship to foster the further growth of both universities and contribute to the transmission of things from the Tohoku region, through mutual cooperation based on respecting the spirit of independence and equality of both universities.
Jan. 17, 2024	Hokkaido University	Contribute to the promotion of human resource development in the field of semiconductors by fostering the collaboration in education and research related to semiconductors, sharing of e-learning, and taking advantage of each university's characteristics as well as educational and research resources.
Jan. 22, 2024	Okinawa Institute of Science and Technology School Corporation	Cooperate in areas of mutual interest and expertise and strive to contribute to the development of academic disciplines through the exchange of knowledge and experience.
Feb. 16, 2024	Osaka Metropolitan University	Contribute to the promotion of research collaboration utilizing the next-generation synchrotron radiation facility, Nanoterrace, and promote research collaboration in relation to the "Program for Forming Japan's Peak Research Universities" which the Osaka Metropolitan University was selected for by taking advantage of each university's characteristics as well as educational and research resources.
Mar. 8, 2024	The Fukushima institute for Research, Education and Innovation	"Basic Agreement on Collaboration and Cooperation between Tohoku University and The Fukushima institute for Research, Education and Innovation" This agreement encompasses collaboration on research and development, talent cultivation, industrialization, exchange of personnel, mutual utilization of facilities and equipment owned by both parties, and other related matters.
Mar. 29, 2024	Kumamoto University	Contribute to the collaboration in education and research in semiconductors and quantum computers by taking advantage of each university's characteristics as well as educational and research resources.
Apr. 1, 2024	National Institutes for Quantum Science and Technology, Photon Science Innovation Center, Miyagi prefectural government, Sendai City, Tohoku Economic Federation, Japan Synchrotron Radiation Research Institute	To collaborate in the operation of NanoTerasu by promoting and supporting its use, public relations, human resource development, and facilitating the utilization of NanoTerasu's outcomes.
Jun. 13, 2024	Department Store Fujisaki Co., Ltd.	Tohoku University, with its talented individuals and its capabilities in research and social contribution, and Fujisaki, with its community-rooted initiatives, will work together to attract people to Sendai's downtown area and coordinate the provision of a variety of products and services. Through this collaboration, they will help develop Sendai as an attractive cosmopolitan city and address a range of regional and social issues, ultimately contributing to the mutual development of both parties.
Sep. 27, 2024	Japan Synchrotron Radiation Research Institute	To contribute to the improvement of research and technology in synchrotron radiation science in Japan, industrial promotion through NanoTerasu, and human resource development in this field, wewill work toward the development and utilization of NanoTerasu through mutual utilization ofrespective knowledge, technical information, facilities, and equipment.
Jan. 31, 2025	Miyagi Prefectural Police	To contribute to the safety and security of local communities, we will cooperate with each otherunder comprehensive collaboration regarding NanoTerasu and other related matters.

Cooperation with Community

Extension Courses

Tohoku University is constantly making efforts to play a leading role in educational and academic activities in the Tohoku region. Meeting the community's needs, it provides extension courses and public lectures for the lifelong learning of citizens. In FY 2024, the University organized 126 extension courses including on-demand high school classes and public lectures, which were well received in various academic fields. Tohoku University has continued these educational activities made understandable for the public to strengthen cooperation with the community and for the purpose of disseminating information. As a result of these activities Tohoku University has maintained its position as a well-respected university.

Tohoku University MOOCs

Tohoku University MOOCs (Massive Open Online Courses) allow any member of the community to watch free online lectures on demand, with certificates awarded to those who satisfy the requirements for completion of the courses.