

List of S&amp;T Projects/Programs Japanese Institutions Implement/Lead/Organize for Implementing SFDRR (as of 25 January 2016)

No.	S&T Project/Program	Expected Outcome	Japanese institutions and International Partners	Period
1	Continuous Monitoring, Archiving and Utilizing Disaster Information	1.1	International Centre for Water Hazard and Risk Management (ICHARM), University of Tokyo	2016 – 2021
2	Enhancement of Database for Typhoon Damage Information	1.1	National Research Institute for Earth Science and Disaster Prevention (NIED)	ongoing
3	Development of Integrated Information Dissemination – Platform on Science and Technologies for Disaster Resilience	1.1	National Research Institute for Earth Science and Disaster Prevention (NIED), TBD	2016 – onward
4	Disaster Reduction Hyperbase (DRH)	1.1	KU/DPRI (Kyoto University/Disaster Prevention research Institute, Japan), NIED (National Research Institute for Earth Science and Disaster Reduction, Japan), ADRC (Asian Disaster Reduction Center, Kobe, Japan), BNU (Beijing Normal University, China), CAO (Cabinet Office, Japan), EC/JRC (European Commission Joint Research Center, Ispra, Italy), IIEES: International Institute for Earthquake Engineering and Seismology, Iran, MEXT (Ministry of Education, Culture, Sport, Science and Technology, Japan), NSET(National Society for Earthquake Technology, Nepal), SEEDS (Sustainable Environment and Ecological Development Society, India), UNISDR	2005– onward (Since HFA 2005–2015)
5	Utilizing water disaster risk information to reduce disaster damage	1.2	International Centre for Water Hazard and Risk Management (ICHARM)	2016 – 2021
6	Training of Disaster Management Leaders	1.2	National Research Institute for Earth Science and Disaster Prevention (NIED), Japan Meteorological Agency, Certified and Accredited Meteorologists	2016 – onward
7	Development of Disaster Information Sharing System Among The All Relevant Government Ministries and	1.2	National Research Institute for Earth Science and Disaster Prevention (NIED), Hitachi Ltd.	2014 – 2019
8	Research on Risk Assessment of Natural Hazards	1.2	National Research Institute for Earth Science and Disaster Prevention (NIED), The Headquarters for Earthquake Research Promotion, Global Earthquake Model, and others	2016 – onward
9	Japan Academic Network for Disaster Reduction (JANET-DR)	1.2	Science Council of Japan (SCJ), 48 Japanese academic societies (as of January 2016)	Since 9 January 2016 – onward
10	Science and Technology Research Partnership for Sustainable Development (SATREPS)	1.2 2.1	JST (Japan Science and Technology Agency), JICA (Japan International Cooperation Agency), Univ. of Tokyo, Kyoto Univ., TIT (Tokyo Institute of Technology), Nagoya Univ., Chiba Univ., Ritsumeikan Univ., Keio Univ., Tokai Univ., NIED (National Research Institute for Earth Science and Disaster Prevention), JAMSTEC (Japan Agency for Marine–Earth Science and Technology), PARI (Port and Airport Research Institute), ICL (International Consortium on Landslides); Partner countries in Disaster Prevention and Mitigation are: Indonesia, Bhutan, Croatia, Philippines, South Africa, India, Peru (7 projects terminated); Cameroon, Malaysia, Vietnam, Chile, Turkey, Indonesia, Bangladesh (2), Colombia, Myanmar, Mexico, Nepal (12 projects on going)	2008 – onward
11	ASEAN University Network (AUN)/Southeast Asia Engineering Education Development Network (SEED-Net)	1.2 2.1	JICA, ASEAN Secretariat, Education Ministries in ASEAN 10 Countries, 14 Japanese Universities, 26 Universities in ASEAN 10 Countries	2003 – onward
12	International Flood Initiative (IFI)	1.3	ICHARM, UNESCO, WMO, UNU, UNISDR, IAHR, IAHS, ICFM	2005 – 2030
13	International Group on Wind-Related Disaster Risk Reduction	1.3	International Association of Wind Engineering, Tokyo Polytechnic University	2006 – onward
14	Development of Methodologies to Visualize Resilience	1.3	National Research Institute for Earth Science and Disaster Prevention (NIED), TBD	2016 – onward
15	Global Centre for Disaster Statistics (GCDS)	2.1	International Research Institute of Disaster Science (IRIDeS) of Tohoku University, United Nations Development Program (UNDP), International Research Institute of Disaster Science (IRIDeS), World Health Organization (WHO)	2015 – onward
16	APRU (Association of Pacific Rim Universities) Multi-Hazards Program	2.1	International Research Institute of Disaster Science (IRIDeS) of Tohoku University, APRU member universities (45 universities from 16 countries in the Pacific Rim)	2015 – onward
17	Supporting the Delivery of Earlier Warnings and More Accurate Information on Disasters	2.1	International Centre for Water Hazard and Risk Management (ICHARM)	2016 – 2021
18	Developing Long-Term Assessment, Analysis and Prediction of Climate Change Impact on Both Flood and Drought Disasters	2.1	International Centre for Water Hazard and Risk Management (ICHARM)	2016 – 2021
19	Development of Methodologies for Enhancement of Resilience	2.1	National Research Institute for Earth Science and Disaster Prevention (NIED), TBD	2016 – onward
20	International Consortium on Landslides (ICL), International Programme on Landslides (IPL), World Landslide Forum (WLF)	2.1	ICL, UNESCO, UNISDR, WMO, FAO, WFEO, ICSU, UNU, KU/DPRI, USGS, and 50+ organizations from 35 states	2002 – onward
21	Integrated Disaster Risk Management (IDRiM) Society	2.1	Kyoto University (DPRI), International Institute for Applied Systems Analysis (IIASA), Beijing Normal University, International Institute of Earthquake Engineering and Seismology (IIEES), National Research Institute for Earth Science and Disaster Prevention (NIED), United Nations International Strategy for Disaster Reduction (UNISDR), Joint Research Centre of the European Commission (JRC/EC) and other organizations	2009 – onward
22	Impact Assessment of Water-Related Disasters in Flood Risk Areas and Assessment of the Impact of Investments on Disaster Mitigation	3.1	International Centre for Water Hazard and Risk Management (ICHARM)	2016 – 2021
23	Development of Technologies to Forecast Activity of Volcanoes and Transition of Volcanic Disaster	3.1	National Research Institute for Earth Science and Disaster Prevention (NIED), TBD	2016 – 2022
24	Development of Disaster Risk Management Methodology in Collaboration with Transportation, Distribution, and Tourism Businesses	3.1	National Research Institute for Earth Science and Disaster Prevention (NIED), Transportation, Distribution, and Tourism Businesses	2016 – onward
25	Research and Development on the Risk Management Methodologies and Validity Simulation of Those Methodologies	3.1	National Research Institute for Earth Science and Disaster Prevention (NIED), TBD	2015 – onward

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26	Natural Disaster Research Council (NDRC)	3.1	Kyoto University (DPRI) and other Japanese universities and institutes dealing with DRR issues, including NIED (National Institute for Earth Science and Disaster Prevention), many universities such as Tokyo, Tohoku, Hokkaido, Nagoya, Kyushu, Saitama, Niigata, Kobe, Tokushima, Ehime, Kochi, Hiroshima and Yamaguchi (8 Regional Centers and 900 individual researchers).	2001– onward (originally NDRC was scientific–grant–based network since 1960’ s)
27	Global Alliance of Disaster Research Institutes (GADRI)	3.1	Kyoto University (DPRI), 88 Organizations (67 universities and 21 others) from 26 states (Australia, Austria, Bangladesh, Brazil, Canada, China, Colombia, Egypt, France, Germany, Indonesia, Iran, Italy, Japan, Rep. Korea, Malaysia, Mexico, Nepal, New Zealand, Sudan, Switzerland, Taiwan, Thailand, Turkey, UK, USA), UNISDR	2015 – onward
28	JAPAN–ASEAN Science and Technology Innovation Platform (JASTIP) Disaster Project	3.1	Kyoto University, University of Tsukuba, Kansai University, MJIIT, UTM, USM, UKM, UNITEN (Malaysia), LIPI, ITB, UGM (Indonesia), UP (Philippines), Water Resources (Thuy Loi) Univ. (Vietnam), Chulalongkorn Univ. (Thailand)	2015 – 2020
29	Safe Hospital Initiative	4.1	International Research Institute of Disaster Science (IRIDeS) of Tohoku University, World Health Organization (WHO) and International Research Institute of Disaster Science (IRIDeS)	2000 – onward
30	Developing the Technology of Real–time Forecasting of Seismic Shaking and Tsunami	4.1	National Research Institute for Earth Science and Disaster Prevention (NIED)	2016 – 2022
31	Development and Demonstration Experiment of Risk Assessment and Forecasting System for Wind and Water–Related Disaster, Landslide Disaster, and Snow and Ice–Related Disaster	4.1	National Research Institute for Earth Science and Disaster Prevention (NIED), Local Governments and/or Organizations, Private weather business	Ongoing
32	Research and Development of Data Analysis Technologies and Data Evaluation Methodologies to Promptly Determine the Continuity of Use of Structures and Social Infrastructure System	4.1	National Research Institute for Earth Science and Disaster Prevention (NIED), Domestic and foreign research institutions (science (earthquake motion estimation)), Engineering (structure, calculation), Social Science (evaluation of continuity of use))	2015 – onward
33	R&D on Technology for Earthquake Countermeasures to Be Effectively and Efficiently Introduced in Countries and Regions where Earthquake Disaster Prevention and Reduction Technologies Have Not Sufficiently Developed	4.1	National Research Institute for Earth Science and Disaster Prevention (NIED), University (civil engineering), JICA (Japan International Cooperation Agency), Construction consultant companies, subsurface investigation companies	2015 – onward
34	Research and Development on Standardization of Measures and Technologies for More Resilience	4.1	National Research Institute for Earth Science and Disaster Prevention (NIED), TBD	2015 – onward
35	Disaster Reduction Hyperbase (DRH)	4.1	KU/DPRI (Kyoto University/Disaster Prevention research Institute, Japan), NIED (National Research Institute for Earth Science and Disaster Reduction, Japan), ADRC (Asian Disaster Reduction Center, Kobe, Japan), BNU (Beijing Normal University, China), CAO (Cabinet Office, Japan), EC/JRC (European Commission Joint Research Center, Ispra, Italy), IIEES: International Institute for Earthquake Engineering and Seismology, Iran, MEXT (Ministry of Education, Culture, Sport, Science and Technology, Japan), NSET(National Society for Earthquake Technology, Nepal), SEEDS (Sustainable Environment and Ecological Development Society, India), UNISDR	2005 – onward (Since HFA 2005–2015)
36	World Bosai Forum	4.2	International Research Institute of Disaster Science (IRIDeS), Global Risk Forum, and various organizations	2018 – onward (biannual)
37	Master and Doctoral Courses on Water–Related Disaster Management	4.2	International Centre for Water Hazard and Risk Management (ICHARM), Japan International Cooperation Agency (JICA) , Graduate Research Institute for Policy Studies (GRIPS)	2015 – 2030
38	Research and Development on Building Educational and Virtual Experience Systems to Contribute to Disaster Risk Reduction by Applying Visualization Technology for Damage Caused by Earthquake	4.2	National Research Institute for Earth Science and Disaster Prevention (NIED), University (seismic engineering, disaster management for safe and secure society, psychology and others), disaster prevention–related public research institution, think tanks, machinery manufacturer, and electronic manufacturer	2015 – onward
39	UNESCO/KU/ICL Landslide and Water–Related Disaster Risk Management for Society and the Environment Cooperation Program	4.2	KU/DPRI (Kyoto University/Disaster Prevention research Institute, Japan), ICL (International Consortium on Landslides), UNESCO	2005– onward (Since HFA 2005–2015)
40	Global Survivability Studies (GSS) Program	4.2	KU (Kyoto University, Japan), UNESCO, WMO, UNEP, UNDP, WB, ADB, universities such as UNU, UNU–EHS, AIT, Newcastle, Northumbria, Flinders Univ. (Australia), TU Delft, Utrecht Univ. (The Netherlands), USM, UTM, UKM (Malaysia), UGM, ITB (Indonesia), IIT (India), SNU (Singapore), UC Davis.	2011 – onward