

#	Program	Area	Challenge	Title	Principal Investigator	Research Organisation	Focus Country
1	e-Asia	Material	Environmental degradation etc	Development of innovative nano-biodesigns based on hybrid materials by combination of endemic South Asian biomolecules and nanocarbons	Prof. UMEMURA Kazuo	Faculty of Science, Tokyo University of Science	Vietnam Philippines Indonesia
2	e-Asia	Material	Waste / Conservation	Development of new functional polymers from plant oils by efficient catalytic carbon-carbon bond formation, post modifications	Prof. NOMURA Kotohiro	Graduate School of Science, Tokyo Metropolitan University	Thailand Philippines
3	e-Asia	Material	Diagnostic for infectious diseases	Microfluidic nanowires coupled with gold nanoparticles for Dengue viral disease diagnosis	Associate Prof. YASUI Takao	Graduate School of Engineering, Nagoya University	Thailand Indonesia
4	e-Asia	Material	Diagnostic for infectious diseases	Development of Nano-visualization for Structural Analyses of Genetic Materials and Early Infection Process for Further Innovation of Functional Bio-nanotechnology	Guest Prof. FUKUI Kiichi	Graduate School of Pharmaceutical Sciences, Osaka University	Thailand Vietnam
5	e-Asia	Material	Resource usage	Development of Functional Nanocarbon-Based Catalysts for Biomass Conversion Processes	Prof. KIDA Tetsuya	Department of Applied Chemistry and Biochemistry, Kumamoto University	Thailand Philippines
6	e-Asia	Alternative Energy	Clean energy	Integrated biorefinery of sugarcane trash	Prof. WATANABE Takashi	Research Institute for Sustainable Humanosphere (RISH), Kyoto University	Thailand Indonesia Lao PDR
7	e-Asia	Alternative Energy	Clean energy	Development of algal bioenergy systems for green and sustainable ASEAN region	Prof. QUITAIN Armando	College of Cross-Cultural and Multidisciplinary Studies, Kumamoto University	Thailand Philippines Indonesia
8	e-Asia	Alternative Energy	Clean energy	Feasibility Study on Social Implementation of Bioenergy in East Asia	Director KATSUTA Masahumi	Environmental Research Institute, Waseda University	Thailand Vietnam Indonesia Myanmar Lao PDR
9	e-Asia	Alternative Energy	Clean energy	Development of New Processes with Thermotolerant Microbes for Bio-refinery Including Biofuels	Prof. YAMADA Mamoru	Graduate School of Sciences and Technology for Innovation, Yamaguchi University	Thailand Indonesia Lao PDR
10	e-Asia	Energy Infrastructure	Infrastructure	Research of Expandable Cluster-based Energy Infrastructure in e-Asia Countries	Prof. Nakanishi Yosuke	Graduate School of Environment and Energy Engineering, Waseda University	Thailand Philippines Indonesia
11	e-Asia	Disaster	Torrential rains / Landslide	Establishment of a landslide monitoring and prediction system	Prof. WAKAI Akihiko	Graduate School of Science and Technology, Gunma University	Thailand Vietnam
12	e-Asia	Disaster	Flood / Landslide	Informational system for management of flood and land slide disaster areas using a distributed heterogeneous robotic team	Prof. MATSUNO Fumitoshi	Department of Mechanical Engineering and Science, Kyoto University	Russia Thailand
13	e-Asia	Disaster	disaster	Development of Information Gathering and Utilization Systems using small UAV for Disaster Risk Assessment, Monitoring and Response	Senior Research Fellow INOUE Hiroshi	National Research Institute for Earth Science and Disaster Resilience	Philippines Indonesia Thailand Vietnam
14	e-Asia	Disaster	Torrential rains / Typhoon	Monitoring and prediction of extreme weather using lightning detection network and micro-satellites	Prof. TAKAHASHI Yukihiro	Faculty of Science, Hokkaido University	Indonesia Philippines
15	e-Asia	Agriculture	Food resources	Assessment on genetic diversity and reproductive biology of Carangid fishes for sustainable use and conservation	Associate Prof. NAKAJIMA Masamichi	Graduate School of Agricultural Science, Tohoku University	Thailand Sri Lanka Philippines
16	e-Asia	Agriculture	Biodiversity	Preservation of endangered avian genetic resources through induced pluripotent stem cell (iPSC) derivation	Prof. SHENG Guojun	International Research Center for Medical Sciences, Kumamoto University	Russia Thailand
17	e-Asia	Transportation	Infrastructure	IITSL: Intelligent Integrated Transport for Smart Life	Prof. DOI Kenji	Department of Global Architecture, Osaka University	Thailand Philippines
18	SATREPS	Environment	Conservation	Establishment of Environmental Conservation Platform of Tonle Sap Lake	Associate Prof. YOSHIMURA Chihiro	School of Environment and Society, Tokyo Institute of Technology	Cambodia
19	SATREPS	Environment	Adapting to Climate Change/ Food	Development and Implementation of New Damage Assessment Process in Agricultural Insurance as Adaptation to Climate Change for Food Security	Associate Prof. HONGO Chiharu	Integrated Research Field of Remote Sensing Division, Center for Environmental Remote Sensing, Chiba University	Indonesia
20	SATREPS	Environment	Conservation	Comprehensive Assessment and Conservation of Blue Carbon Ecosystems and Their Services in the Coral Triangle (Blue CARES)	Prof. NADAOKA Kazuo	School of Environment and Society, Tokyo Institute of Technology	Indonesia, Philippines
21	SATREPS	Environment	Conservation	Sustainable Replantation of Oil Palm by Adding Value to Oil Palm Trunk through Scientific and Technological Innovation	Project Leader KOSUGI Akihiko	Japan International Research Center for Agricultural Sciences	Malaysia
22	SATREPS	Environment	Conservation	Development of Management Systems for Cultural Utilization of Biodiversity in the Tropical Rainforests at the National Parks in Sarawak	Prof. ITIOKA Takao	Graduate School of Human and Environmental Studies, Kyoto University	Malaysia
23	SATREPS	Environment	Clean Energy	Development of Clean and Efficient Utilization of Low Rank Coals and Biomass by Solvent Treatment	Specially Appointed Prof. MIURA Koichi	Institute of Advanced Energy, Kyoto University	Thailand
24	SATREPS	Environment	Adapting to Climate Change	Advancing Co-design of Integrated Strategies with Adaptation to Climate Change	Prof. OKI Taikan	Institute of Industrial Science, The University of Tokyo	Thailand
25	SATREPS	Environment	Waste / Conservation	Formation of a Center of Excellence for Marine Plastic Pollution Studies in the Southeast Asian Seas	Prof. ISOBE Atsuhiko	Center for Oceanic and Atmospheric Research, Research Institute for	Thailand
26	SATREPS	Environment	Waste	Establishment of Environmentally Sound Management of Construction and Demolition Waste and Its Wise Utilization for Environmental Pollution Control and for New Recycled Construction Materials	Prof. KAWAMOTO Ken	Graduate School of Science and Engineering, Saitama University	Vietnam
27	SATREPS	Low Carbon	Conservation	Promotion of Green Economy with Palm Oil Industry for Biodiversity Conservation	Prof. SHIRAI Yoshihito	Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology	Malaysia
28	SATREPS	Low Carbon	Clean Energy	Development of a Model System for Fluidized Bed Catalytic Gasification of Biomass Wastes and Following Liquid Fuel Production in Indonesia	Associate Prof. NODA Reiji	Graduate School of Science and Technology, Gunma University	Indonesia
29	SATREPS	Low Carbon	Clean Energy	Technology Development of Steam-spot Detection and Sustainable Resource Use for Large Enhancement of Geothermal Power Generation in Indonesia	Prof. KOIKE Katsuaki	Graduate School of Engineering, Kyoto University	Indonesia
30	SATREPS	Low Carbon	Clean Energy	Producing Biomass Energy and Material through Revegetation of Alang-alang(Imperata cylindrica)Fields	Prof. UMEZAWA Toshiaki	Research Institute for Sustainable Humanosphere, Kyoto University	Indonesia
31	SATREPS	Low Carbon	Energy Efficiency	Implementation of Low-Emission Affordable Apartments in the Hot-Humid Climate of Indonesia towards Paris Agreement 2030	Associate Prof. KUBOTA Tetsu	Graduate School for International Development and Cooperation, Hiroshima University	Indonesia
32	SATREPS	Low Carbon	Clean Energy	Development of Advanced Hybrid Ocean Thermal Energy Conversion (OTEC) Technology for Low Carbon Society and Sustainable Energy System: First Experimental OTEC Plant of Malaysia	Prof. IKEGAMI Yasuyuki	Institute of Ocean Energy, Saga University	Malaysia
33	SATREPS	Low Carbon	Clean Energy	Comprehensive Conversion of Biomass and Waste to Super Clean Fuels by New Solid Catalysts	Prof. TSUBAKI Noritatsu	Graduate School of Science and Engineering for Research, University of Toyama	Thailand
34	SATREPS	Low Carbon	Infrastructure	Smart Transport Strategy for Thailand 4.0	Prof. HAYASHI Yoshitsugu	Institute of Science and Technology Research, Chubu University	Thailand
35	SATREPS	Low Carbon	Clean Energy	Sustainable Development of Rural Area by Effective Utilization of Bio-wastes with Highly Efficient Fuel Cell Technology	Associate Prof. SHIRATORI Yusuke	Faculty of Engineering, Kyushu University / International Research Center for Hydrogen Energy, Kyushu University	Vietnam

36	SATREPS	BioResources	Clean Energy	Innovative Bio-production in Indonesia (iBioI): Integrated Bio-refinery Strategy to Promote Biomass Utilization using Super-microbes for Fuels and Chemicals Production	Prof. OGINO Chiaki	Graduate School of Engineering, Kobe University	Indonesia
37	SATREPS	BioResources	Food/Conservation	Development and Dissemination of Sustainable Production System Based on Invasive Pest Management of Cassava in Vietnam, Cambodia and Thailand	Prof. TAKASU Keiji	Faculty of Agriculture, Kyushu University	Cambodia, Thailand, Vietnam
38	SATREPS	BioResources	Food/Conservation	Optimizing Mariculture based on Big Data with Decision Support System	Prof. WADA Masaaki	School of Systems Information Science, Future University Hakodate	Indonesia
39	SATREPS	BioResources	Food/Conservation	Continuous Operation System for Microalgae Production Optimized for Sustainable Tropical Aquaculture (COSMOS)	Prof. TODA Tatsuki	Department of Science and Engineering for Sustainable Innovation, Faculty of Science and Engineering, Soka University	Malaysia
40	SATREPS	BioResources	Food	Strengthening Rice Breeding System based on Genomic Technology and Information in Myanmar	Prof. YOSHIMURA Atsushi	Faculty of Agriculture, Graduate School of Kyushu University	Myanmar
41	SATREPS	BioResources	Food	Utilization of Thailand Local Genetic Resources to Develop Novel Farmed Fish for Global Market	Prof. HIRONO Ikuo	Faculty, Department of Marine Biosciences, Tokyo University of Marine Science and Technology	Thailand
42	SATREPS	BioResources	Food/Conservation	Acceleration of Livestock Revolution in ASEAN for a Kitchen of the World. Development of Novel Technologies Yielding Stable Livestock Production and Food Safety	Director & Prof. MISAWA Naoaki	Center for Animal Disease Control, University of Miyazaki	Thailand
43	SATREPS	BioResources	Conservation	Establishment of Cryo-bank System for Vietnamese Native Pig Resources and Sustainable Production System to Conserve Bio-diversity	Advanced Researcher KIKUCHI Kazuhiro	Institute of Agrobiological Sciences, NARO (National Agriculture and Food Research Organization)	Vietnam
44	SATREPS	Disasters	volcano	Integrated Study on Mitigation of Multimodal disasters caused by Ejection of Volcanic Products	Prof. IGUCHI Masato	Sakurajima Volcano Research Center, Disaster Prevention Research Institute, Kyoto University	Indonesia
45	SATREPS	Disasters	Infrastructure	Development of a Comprehensive Disaster Resilience System and Collaboration Platform in Myanmar	Prof. & Director MEGURO Kimiro	International Center for Urban Safety Engineering, Institute of Industrial Science, The University of	Myanmar
46	SATREPS	Disasters	Torrential rains	Development of Extreme Weather Monitoring and Information Sharing System in the Philippines	Prof. TAKAHASHI Yukihiro	Faculty of Science, Hokkaido University	Philippines
47	SATREPS	Disasters	Climate change	Development of a Hybrid Water-Related Disaster Risk Assessment Technology for Sustainable Local Economic Development Policy	Senior Researcher OHARA Miho	International Centre for Water Hazard and Risk Management (ICHARM), Public Works Research Institute (PWRI)	Philippines
48	SATREPS	Disasters	Infrastructure	Regional Resilience Enhancement through Establishment of Area-BCM at Industry Complexes in Thailand	Prof. WATANABE Kenji	Graduate School of Social Engineering, Nagoya Institute of Technology	Thailand
49	aXis	Environment	biomass	Development of Element Technology and Creation of New Industry toward Social Implementation of Sustainable Natural Rubber Ecosystem	Prof. KAWAHARA Seiichi	Nagaoka University of Technology, Department of Material Science and Technology	Vietnam
55	aXis	Environment	Conservation	Scientific Feasibility Study for Verification Project of Sterilizing Effect by Utilizing UV-LEDs and Development of Water Purification Devices to Supply Safe Drinking Water in Cambodia	Prof. AMANO Hiroshi	Center for Integrated Research of Future Electronics (CIRFE), Institute of Materials and Systems for Sustainability (IMaSS), Nagoya University	Cambodia
50	aXis	Low Carbon	Clean Energy	Accuracy Improvement and Demonstration by Boring Survey of Steam-Spot Detection Technology for Locating Drilling Sites of Geothermal Production Wells	Prof. KOIKE Katsuaki	Graduate School of Engineering, Kyoto University	Indonesia
51	aXis	Low Carbon	Clean Energy	Commercialization of Biodegradable Nano-Composites in Malaysia	Prof. SHIRAI Yoshihito	Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology	Malaysia
56	aXis	Low Carbon	Clean Energy	Development of Electrocatalysts for Zinc Air Secondary Batteries for High Current Density	Prof. YONEZAWA Tetsu	Faculty of Engineering, Division of Materials Science and Engineering, Hokkaido University	Thailand
52	aXis	BioResources	Food/Conservation	Development of endogenous retrovirus (PERV)-free strains utilizing characteristics of Vietnamese native pigs	Advanced Researcher KIKUCHI Kazuhiro	Institute of Agrobiological Sciences, NARO (National Agriculture and Food Research Organization)	Vietnam
53	aXis	Disasters	volcano	Study on advancement of real-time hazard prediction of volcanic eruption and verification test for its social implementation	Prof. IGUCHI Masato	Sakurajima Volcano Research Center, Disaster Prevention Research Institute, Kyoto University	Indonesia
54	aXis	Disasters	volcano	Experimental Implementation of Volcano, Earthquake and Disaster Monitoring Technologies Using Latest UAV, RTKGNSS, and Sensors	Senior Research Fellow INOUE Hiroshi	National Research Institute for Earth Science and Disaster Resilience	Philippines
57	aXis	Disasters	Infrastructure	Large-scale joint experiment to identify issues for strengthening resilience of bridge structures against earthquake disasters in Myanmar	Associate Prof. FURUKAWA Aiko	Department of Urban Management, Earthquake and Lifeline Engineering, Kyoto University	Myanmar