

# The Eleventh Tripartite Presidents Meeting among NIES, NIER and CRAES (TPM11)

November 11-15, 2014; Kawasaki, JAPAN

## List of Focal Points

### 1. List of Focal Points of Contact for Priority Research Areas (PRA 1-3)

Subject	Institute	Name	Title/ Position	Department/ Bureau	E-mail	Telephone
PRA1: Freshwater Pollution	NIES	Dr. MIZUOCHI Motoyuki	Senior Researcher	Center for Regional Environmental Research	mizuochi@nies.go.jp	+81-(0)29-850 -2496
		Dr. ONODERA Takashi	Researcher		onodera.takashi @nies.go.jp	+81-(0)29-850 -2494
	NIER	Dr. YU Soonju	Director	Water Environmental Engineering Research Division	ysu1221@korea.kr	+82-(0)32 560 7420
		Dr. HUH Inae	Senior Researcher		iahuh@korea.kr	+82-(0)32 560 7424
	* CRAES	Dr. XU Qiu Jin	Director	Division of Science and Technology	xuqj@craes.org.cn	+86-(0)10 84915278
PRA2: Asian Air Pollution	NIES	Dr. TAKAMI Akinori	Vice Director	Center for Regional Environmental Research	takamia@nies.go.jp	+81-(0)29-850 -2509
		Dr. SUGATA Seiji	Senior Researcher		sugatas@nies.go.jp	+81-(0)29-850 -2457
	* NIER	Dr. HONG You Deog	Director	Air Quality Research Division	ydhong3@korea.kr	+82-(0)32 560 7253
		Dr. AHN Joon Young	Senior Researcher		nierair@korea.kr	+82-(0)32 560 7274
	CRAES	Dr. MENG Fan	Director	Atmospheric Research Institute	mengfan @craes.org.cn	+86-(0)10-849 18049
PRA3: Urban Environment and Eco-city	NIES	Dr. FUJITA Tsuyoshi	Director	Center for Social and Environmental Systems	fujita77@nies.go.jp	+81-(0)29-850 -2119
		Dr. FUJII Minoru	Senior Researcher		m-fujii@nies.go.jp	+81-(0)29-850 -2447
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		Dr. KIM Taekyu	Researcher	National Wetland Center	abies@korea.kr	+82-(0)55 530 5522
	* CRAES	Dr. ZHANG Linbo	Director	Institute of Ecology	zhanglb@craes.org.cn	+86-(0)10-849 15294

\* Lead Coordinating Institute in each Priority Research Area

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## **1. List of Focal Points of Contact for Priority Research Areas (PRA 4-6)**

Subject	Institute	Name	Title/ Position	Department/ Bureau	E-mail	Telephone
PRA4: Dust and Sand Storm	NIES	Dr. SHIMIZU Atsushi	Senior Researcher	Center for Regional Environmental Research	shimizua@nies.go.jp	+81-(0)29-850 -2489
		Dr. SHIMIZU Hideyuki	Principal Researcher		hshimizu@nies.go.jp	+81-(0)29-850 -2451
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		Dr. PARK Jung Min	Senior Researcher		ilikepaul@korea.kr	+82-(0)32 560 7268
	CRAES	Dr. MENG Fan	Director	Atmospheric Research Institute	mengfan@craes.org.cn	+86-(0)10-849 18049
		Dr. LV Shihai	Professor	Institute of Ecology	lv_sh@craes.org.cn	+86-(0)10-849 14588
PRA5: Chemical Risk and Management	NIES	Dr. SHIBATA Yasuyuki	Senior Principal Researcher	Center for Environmental Measurement and Analysis	yshibata@nies.go.jp	+81-(0)29-850 -2450
		Dr. SUZUKI Noriyuki	Vice Director	Center for Environmental Risk Research	nsuzuki@nies.go.jp	+81-(0)29-850 -2331
	NIER	Dr. KIM Pil Je	Director	Risk Assessment Research Division	newchem@korea.kr	+82-(0)32 560 7160
		Dr. PARK Kyung Hwa	Senior Researcher		mirrorpark@korea.kr	+82-(0)32 560 7185
	* CRAES	Dr. LIU Zhengtao	Chief Expert	Center for Ecological Effect of Pollutants and Environmental Safety	liuzt@craes.org.cn	+86-(0)10-849 15175
PRA6: Biodiversity Conservation	* NIES	Dr. GOKA Koichi	Principal Researcher	Center for Environmental Biology and Ecosystem Studies	goka@nies.go.jp	+81-(0)29-850 -2480
		Dr. YAMANO Hiroya	Head		hyamano@nies.go.jp	+81-(0)29-850 -2477
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\* Lead Coordinating Institute in each Priority Research Area

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# 1. List of Focal Points of Contact for Priority Research Areas (PRA 7-9)

Subject	Institute	Name	Title/ Position	Department/ Bureau	E-mail	Telephone
PRA7: Solid Waste Management	NIES	Dr. TAKIGAMI Hidetaka	Head	Center for Material Cycles and Waste Management Research	takigami@nies.go.jp	+81-(0)29-850 -2866
		Dr. SAKANAKURA Hirofumi	Senior Researcher		Sakanakura @nies.go.jp	+81-(0)29-850 -2185
	* NIER	Dr. SHIN Sun Kyoung	Director General	Environmental Resource Research Department	shinsun1004 @korea.kr	+82-(0)32 560 7503
		Dr. KIM Wooil	Senior Researcher	Resource Recirculation Research Division	woolr@korea.kr	+82-(0)32 560 7507
	CRAES	Dr. WANG Qi	Director	Solid Waste Research Institute	wangqi@craes.org.cn	+86-(0)10-849 15275
		Dr. HUANG Qifei	Deputy Director		huangqf@craes.org.cn	+86-(0)10-849 15162
PRA8: Climate Change	* NIES	Dr. MASUI Toshihiko	Head	Center for Social and Environmental Systems Research	masui@nies.go.jp	+81-(0)29-850 -2524
		Dr. HIJIOKA Yasuaki	Head		hijioka@nies.go.jp	+81-(0)29-850 -2961
	NIER	Dr. KIM Sang Kyun	Director	Global Environment Research Division	nierkum@korea.kr	+82-(0)32 560 7300
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	CRAES	Dr. GAO Qingxian	Chief Expert	Center for Climate Change Impact	gaoqx@craes.org.cn	+86-10-84915 252
PRA9: Disaster Environment	* NIES	Dr. HIRAYAMA Nagahisa	Senior Researcher	Center for Material Cycles and Waste Management Research	hirayama.nagahisa @nies.go.jp	+81-(0)29-850 -2686
		Dr. NAKAYAMA Shoji	Head	Center for Environmental Health Sciences	fabre@nies.go.jp	+81-(0)29-850 -2786
	NIER	Dr. KIM Kyung Hyun	Director	Water Quality Assessment Research Division	matthias@korea.kr	+82-(0)32 560 7470
		Dr. KANG Taegu	Senior Researcher		taegu98@korea.kr	+82-(0)32 560 7497
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\* Lead Coordinating Institute in each Priority Research Area

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## **2. Member List of Working Group on Joint Cooperative Project on Dust and Sand Storm**

<b>Subject</b>	<b>Institute</b>	<b>Name</b>	<b>Title/ Position</b>	<b>Department/ Bureau</b>	<b>E-mail</b>	<b>Tel</b>
Countermeasure, Ecosystem, etc.	NIES	Dr. SHIMIZU Hideyuki	Principal Researcher	Center for Regional Environmental Research	hshimizu@nies.go.jp	+81-(0)29-850 -2451
Human Health, etc.						
Focal Point, Monitoring, etc.		Dr. SHIMIZU Atsushi	Senior Researcher	Center for Regional Environmental Research	shimizua@nies.go.jp	+81-(0)29-850 -2489
Focal Point, Monitoring, etc.	NIER	Dr. PARK Jungmin	Senior Researcher	Air Quality Research Division	ilikepaul@korea.kr	+82-(0)32 560 7268
Countermeasure, Ecosystem, etc.		Dr. JHEONG Weonhwa	Senior Researcher	Water Supply and Sewerage Research Division	purify@korea.kr	+82-(0)32 560 8353
Human Health, etc.		Dr. KIM Geunbae	Senior Researcher	Environmental Health Research Division	mykgb@korea.kr	+82-(0)32 560 7111
Countermeasure, Ecosystem, etc.	CRAES	Dr. LV Shihai	Professor	Institute of Ecology	lv_sh@craes.org.cn	+86-(0)10-849 14588
Focal Point, Monitoring, etc.		Dr. MENG Fan	Director	Atmospheric Research Institute	mengfan @craes.org.cn	+86-(0)10-849 18049
Human Health, etc.		Dr. ZHANG Jinliang	Chief Expert	Environmental Health Group	zhangjl@craes.org.cn	+86-(0)10-849 15212

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### 3. List of Focal Points of Contact for Working Group and Exchanges

Subject	Institute	Name	Title/ Position	Department/ Bureau	Email	Tel
(a) Working Group	* NIES	Dr. SHIMIZU Hideyuki	Principal Research Coordinator	Planning Department (Center for Regional Environmental Research)	hshimizu@nies.go.jp	+81-(0)29-850 -2451
		Dr. KONDO Yoshinori	Manager	Research Coordination Office, Planning Department (Center for Regional Environmental Research)	kondos@nies.go.jp	+81-(0)29-850 -2441
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		Ms. WU Jieyun	Staff	International Cooperation Center	wujy@craes.org.cn	+86-10-84915 218
(b) Personnel Exchange	* NIES	Dr. SHIMIZU Hideyuki	Principal Research Coordinator	Planning Department (Center for Regional Environmental Research)	hshimizu@nies.go.jp	+81-(0)29-850 -2451
		Mr. SHIRAI Daichi	Official Staff	International Coordination Office, Planning Department	shirai.daichi @nies.go.jp	+81-(0)29-850 -2308
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		Ms. YOO Jin	English Translator	Research Strategy and Planning Division	yj120313@korea.kr	+82-(0)32-560 -7081
	CRAES	Ms. ZHOU Yun	Director	International Cooperation Center	zhouyun @craes.org.cn	+86-10-84915 198
		Ms. WU Jieyun	Staff	International Cooperation Center	wujy@craes.org.cn	+86-10-84915 218
(c) Information Exchange	* NIES	Dr. KONDO Yoshinori	Manager	Research Coordination Office, Planning Department(Center for Regional Environmental Research)	kondos@nies.go.jp	+81-(0)29-850 -2441
		Mr. SHIRAI Daichi	Official Staff	International Coordination Office, Planning Department	shirai.daichi @nies.go.jp	+81-(0)29-850 -2308
	NIER	Mr. KANG Phil Goo	Researcher	Research Strategy and Planning Division	philgkang@korea.kr	+82-(0)32-560 -7083
		Ms. YOO Jin	English Translator	Research Strategy and Planning Division	yj120313@korea.kr	+82-(0)32-560 -7081
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\* Lead Coordinating Institute after TPM10 until TPM11

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#### **4. List of Keywords and Suggested Cooperation Activities for PRA (PRA 1-2)**

<b>Subject</b>	<b>Institute</b>	<b>List of keywords</b>	<b>Suggestions for Cooperation until TPM11</b>
PRA1: Freshwater Pollution	NIES	Water pollution, Eutrophication, Sanitation, Wastewater treatment, Nutrient control, N, P, Watershed management, DOM(dissolved organic material)	
	NIER	Watershed management, Non-point source management, Water quality standard, Wastewater effluent limit, Sediment quality guideline, Wastewater effluent permit system, Water quality forecasting, Water quality assessment base on both water quality monitoring and modeling, Nutrient dynamics, Algal bloom	[2012-2013] Proposal of new joint research projects on water quality [2013-2014] Short-term mutual visit by researchers concerning sediment quality assessment and water quality modeling with presentation and discussion
	CRAES	Comprehensive watershed management of water resources and water environment, Watershed ecological function zoning and assessment of water ecological health, Water ecological restoration technology, Water ecological criteria and standard, Water pollution load reduction technology	[2012-2013] Miniworkshop on Lake Eutrophication Control under TPM (9-10 September 2013, Beijing & Dali, China) Small size symposium, academic workshop and expert exchange on relevant subjects of the Chinese National Special Water Pollution Control and Treatment Programme (monitoring and pre-warning, lake, river) [2013-2014] Short-term exchange visit regarding areas of interest of the three sides
PRA2: Asian Air Pollution	NIES	Long range transport, Air pollutants (particulate matter, aerosol, sulphate, nitrate, organic aerosol, black carbon, ozone, NOx, SO2, CO, VOC, Ox, PM2.5), Precursor, Emission inventory, Simulation, Monitoring, Climate change, Health effect, Ecological impact, Plant indicator, Forest decline, Acid fog, ABC	[2012-2013] The 1st Joint Workshop on Asian Air Pollution (21 March 2013, Tsukuba, Japan) [2013-2014] Presentation and discussion (Information exchange) among 3 institutes on PM2.5 and related air pollution problems in East Asia in the main meeting of TPM11 (Nov. 12, 2014; Kawasaki, Japan)
	NIER	PM2.5 monitoring and modeling such as AMS, Source apportionment and aircraft measurement	[2012-2013] A Study of Long Range Transport using Aerosol Mass Spectrometer in BN Island during 2011~2012 [2013-2014] Information exchange & data sharing of PM2.5 among 3 countries. - Current status of air quality & development of joint research, Proposal of data sharing such as PM2.5 mass, Proposal of joint research project on characteristics of PM2.5
	CRAES	Dust Storm, Long-range transport of Air Pollutants(LTP), Smog chamber	[2012-2013] Laser radar observation of dust, LTP, Photo-chemical smog chamber [2013-2014] Information sharing and exchange among experts, Tripartite workshops (2013-2014)

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#### **4. List of Keywords and Suggested Cooperation Activities for PRA (PRA 3-4)**

<b>Subject</b>	<b>Institute</b>	<b>List of keywords</b>	<b>Suggestions for Cooperation until TPM11</b>
PRA3: Urban Environment and Eco-city	NIES	Low carbon city, Eco-town, Circularization regions, Urban transportation management, Urban monitoring network, Co-benefit eco-technology, Real-world emission, On-board measurement, Vehicle exhaust, Fuel economy	[2012-2013] Comparative analysis of eco-city policy system and quantitative evaluation [2013-2014] International workshop on "Eco-city" during TPM 11 (Nov. 13, 2014; Kawasaki, Japan)
	NIER	Urban air quality, Real road emission Monitoring, Environmentally sustainable transportation (EST), Eco-cars & eco-driving	[2012-2013] Information exchange on 1. Green infrastructure and ecocity 2. Urban spatial environmental planning preparing for linkage of land planning and environmental planning
	CRAES	Eco-city, Contrastive study, Benefit evaluation, Minimum ecological land, Low carbon city	[2012-2013] The contrastive study of eco-city building in China, Japan and Korea [2013-2014] Information exchange on eco-city development, application of ecological civilization concept in eco-city planning
PRA4: Dust and Sand Storm	NIES	Asian dust emission, Transport and deposition, Impact of Asian dust on human health and environment, Mixing of dust and air pollution, Mixing state of dust aerosol, Desertification, Rehabilitation, Vegetation restoration, Water stress, Realtime monitoring, Lidar network, Satellite observation, Dust transport model, Data assimilation, Dust analysis, Forecasting, Transport of bioaerosols with dust	[2012-2013] Selection of key dust events to reveal the degree of internal mixing with anthropogenic pollutant [2013-2014] Data exchange among institutes on size-resolved number density of dust particles
	NIER	Asian dust prevention measure such as artificial rain, Underground irrigation and new farming policy	[2012-2013] International Workshop on Dust and Sand Storm in celebration of the World Environment Day 2013 (27 June 2013 Seoul, Korea) [2013-2014] Information exchange of case study of dust storm among 3 countries - Current status of air quality & Development of joint research, Information of dust storm forecasting and measurement system
	CRAES	Driving mechanism of land desertification, Evaluation on the control effect by vegetation recovery towards sand storm, Vegetation restoration mode in different eco-zone, Stabilizing maintaining mechanism of sandy vegetation	[2012-2013] 1) Working out the joint evaluation standard of China, Japan and Korea, 2) Conclude on the propagable vegetation restoration mode and management measures, 3) Short-term mutual visits by technical staff concerning key areas of cooperation, 4) Academic workshops [2013-2014] Field survey in Inner Mongolia in late July on the evaluation of the control effect of vegetation recovery

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#### **4. List of Keywords and Suggested Cooperation Activities for PRA (PRA 5-6)**

<b>Subject</b>	<b>Institute</b>	<b>List of keywords</b>	<b>Suggestions for Cooperation until TPM11</b>
PRA5: Chemical Risk and Management	NIES	POPs, Stockholm Convention, Non-target analysis, Precise Isotope analysis, Ecological risk assessment and management, Toxicity/safety evaluation of nanomaterials, Strategic approach of chemical management, Fate and exposure monitoring and models	[2012-2013] Exchange of information/experiences on key areas, Considering relation to the Tripartite Policy Dialogue on Chemical Management among CJK by governments and other joint activities
	NIER	Harmonization of aquatic toxicity test methods (of difficult substances, etc.)	[2012-2013] As part of the Tripartite Policy Dialogue on Chemical Management among China, Japan and Korea, a joint research is in progress (This joint research has been done by the Ministry of Environment) [2013-2014] As part of the Tripartite Policy Dialogue on Chemical Management among Korea, China, and Japan, a joint research and mutual visit to GLP test facility is in progress (This Dialogue has been done by each Ministry of Environment) In case of China, Nanjing Institute of Environmental Science has participated in the Tripartite Policy Dialogue. Therefore, CRAES may better participate in the Dialogue along with Nanjing IES to develop this FP
	CRAES	Risk assessment methods, Predictive models and Management Rule/Criterion on Chemicals	[2012-2013] Short-term mutual visits by technical staff concerning key areas of cooperation, Academic workshops [2013-2014] CRAES could participate in the Tripartite Policy Dialogue
PRA6: Biodiversity Conservation	NIES	AICHI Target, Nagoya Protocol, Deforestation, Habitat fragmentation, Invasive alien species, Pollution, Global warming, Access and Benefit Sharing, SATOYAMA initiative, Coral reef, Red data book (RDB), Time capsule, iPS, Endangered species, Gene-modified plants, Wetland, Migratory birds, Culture collection, Biodiversity assessment, Ecosystem service assessment	[2013-2014] International workshop on "Biodiversity Conservation" during TPM 11 (Nov. 13, 2014; Kawasaki, Japan)
	NIER	Monitoring and management for invasive species; 2. Biodiversity conservation, restoration	[2012-2013] Short-term mutual visits (short field survey) by technical staff concerning key areas of cooperation, Small workshops (invasive species, ecosystem service) [2013-2014] Information exchange on 1. Biodiversity on Urban Ecosystem- IAS (Invasive alien species) in urban ecosystems, 2. Biodiversity conservation and ecological survey of coastal sand dunes, etc.
	CRAES	1) ABS(Access and Benefit Sharing), 2) Monitoring and management for invasive species, 3) Biodiversity conservation, restoration and poverty reduction along minor watershed, 4) Assessment on regional biodiversity and ecosystem services in Northeastern Asia	[2012-2013] 1) Regional biodiversity assessment in Northeastern Asia, 2) Model contractual clauses for ABS [2013-2014] Information sharing or workshop on biodiversity conservation

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#### **4. List of Keywords and Suggested Cooperation Activities for PRA (PRA 7-8)**

<b>Subject</b>	<b>Institute</b>	<b>List of keywords</b>	<b>Suggestions for Cooperation until TPM11</b>
PRA7: Solid Waste Management	NIES	Recycling material, Environmental safety, Leaching test, Transfer model, Heavy metal, POPs (persistent organic pollutants), E-waste, BAT (best available technology) / BEP (best environmental practice)	[2012-2013] Mutual visits for the purposes of informational exchange and the sharing of test methods including leaching tests
	NIER	Standardization on test methods and environmental assessment, Hazardous waste management (Hg, Cd, Pb), Expansive measures for safe recycling of waste	[2012-2013] Mutual workshops with NIER and NIES [2013-2014] 1. Co-works on recycling stability and use expansion of coal ash - Modelling for diffusion analysis - Leaching test (percolation) of coal ash 2. Mutual workshop for collaborative research presentation and informational sharing
	CRAES	Comprehensive utilization of hazardous waste, Environmental risk assessment technology for products made from hazardous waste and for co-treatment of cement kiln	[2012-2013] 1) Research communication in the forms of workshops, 2) Short-term joint study, 3) Formulation of joint tripartite assessment mode and standard [2013-2014] Information sharing or workshop on risk assessment of products made from hazardous waste
PRA8: Climate Change	NIES	GHG, Mitigation, Impact and adaptation, Low carbon society, Future scenario, Integrated assessment model (AIM), GIO (GIA), GCM, GOSAT, Monitoring	[2012-2013] Meeting on climate change issue under Tripartite Presidents Meeting (30 October 2013, Tsukuba, Japan) [2013-2014] 1) Meeting along with the 2nd ABC - SLCP & S-12 meeting in Tokyo on July 21-23, 2) Research collaboration on scenario development and LLGHG & SLCP assessment (Date: not yet decided)
	NIER	Cause-and-effect relationship between mitigation and adaptation over East Asia	[2012-2013] Joint Research Agreement (Term of Reference) (by 2013), Conduct Research (2014-2016) [2013-2014] Joint research for the development of the future emission scenarios for GHG and SLCP over East Asia
	CRAES	Low carbon development, GHG (inventory) calculating methodology, Impact of climate change and adaptation	[2012-2013] 1) Joint study on low carbon development, 2) Pilot study on low carbon city, 3) Study on quantitative evaluation of low carbon development [2013-2014] Joint research on low-carbon development and SLCP

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#### **4. List of Keywords and Suggested Cooperation Activities for PRA (PRA 9)**

<b>Subject</b>	<b>Institute</b>	<b>List of keywords</b>	<b>Suggestions for Cooperation until TPM11</b>
PRA9: Disaster Environment	NIES	Emergency environmental management, Emergency response, National response frameworks/system, Emergency planning, Environmental impact, Risk management, Chemical incident prevention, Experiences exchange and networking	[2013-2014] Small workshop on exchange of our experiences in environmental emergency management
	NIER	Radioactive contamination, Water pollution accidents, Chemical accidents, Zoonotic diseases such as avian influenza and Foot-and-Mouth diseases, Prevention of natural disasters (Typhoons/Tidal surges(Tsunami)/Floods/Earthquakes), Disaster reduction in urban areas	
	CRAES	Emergency response, Ecological impacts of natural disasters, Risk assessment and management of pollution accidents	[2013-2014] Information exchange among researchers, Attend the small workshop in Japan, if possible

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