

# Reference

## ***The program of “Science and Technology Research Partnership for Sustainable Development”***



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Japan Science and Technology Agency

# Results of FY2008 Competition (Overview-1)

## Number of applications received and selected

Research Areas	Number of Applications				No. of proposals for interview	No. of selected proposal	Selection Rate (%)
	Asia	Africa	Others	Total			
<b>Environment and Energy 1</b> “Research contributing to adaptation to or mitigation of climate change”	17	1	4	22	7	4	18.2
<b>Environment and Energy 2</b> “Research contributing to the resolution of global-scale environmental issues”	44	6	5	55	5	3	5.5
<b>Natural Disaster Prevention</b> “Research on natural disaster prevention measures attuned to the needs of developing countries”	22	3	3	28	9	3	10.7
<b>Infectious Diseases Control</b> “Research on measures to address infectious diseases control attuned to the needs of developing countries”	16	5	1	22	8	2	9.1
<b>Total</b>	<b>99</b>	<b>15</b>	<b>13</b>	<b>127</b>	<b>29</b>	<b>12</b>	<b>9.4</b>



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# Results of FY2008 Competition (Overview-2)

## Numbers and Regions of the Selected Projects for Each Research Area

### Region and Countries of the Selected Projects

Region	Country	No. of projects selected
Asia	Republic of Indonesia	2
	Kingdom of Thailand	3
	Kingdom of Bhutan	1
Africa	Arab Republic of Egypt	1
	Gabonese Republic	1
	Republic of Zambia	1
Others	Federative Republic of Brazil	1
	Republic of Croatia	1
	Tuvalu	1
<b>Total</b>		<b>12</b>

Research Areas	Total No. of projects selected	Regions		
		Asia	Africa	Others
<b>Environment and Energy 1</b> “Research contributing to adaptation to or mitigation of climate change”	4	2	0	2
<b>Environment and Energy 2</b> “Research contributing to the resolution of global-scale environmental issues”	3	1	2	0
<b>Natural Disaster Prevention</b> “Research on natural disaster prevention measures attuned to the needs of developing countries”	3	2	0	1
<b>Infectious Diseases Control</b> “Research on measures to address infectious diseases control attuned to the needs of developing countries”	2	1	1	0
<b>Total</b>	<b>12</b>	<b>6</b>	<b>3</b>	<b>3</b>



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# Selected Research Projects (FY2008)

## Environment and Energy

Project Title	Principle Investigator	Counterpart
<b>Decision-making support system for the adaptation in water-related areas under climate change</b>	<b>OKI Taikan</b> The University of Tokyo	<b>Kingdom of Thailand</b>
<b>Eco-technological management of Tuvalu against sea level rise</b>	<b>KAYANNE Hajime</b> The University of Tokyo	<b>Tuvalu</b>
<b>Research on ethanol production from sugarcane wastes</b>	<b>SAKANISHI Kinya</b> National Institute of Advanced Industrial Science and Technology	<b>Federative Republic of Brazil</b>
<b>Wild Fire and Carbon Management in Peat-forest in Indonesia</b>	<b>OSAKI Mitsuru</b> Hokkaido University	<b>Republic of Indonesia</b>
<b>R&amp;D for water reuse technology in tropical regions</b>	<b>YAMAMOTO Kazuo</b> The University of Tokyo	<b>Kingdom of Thailand</b>
<b>Conservation of biodiversity and sustainable coexistence between human and wild animals</b>	<b>YAMAGIWA Juichi</b> Kyoto University	<b>Gabonese Republic</b>
<b>Sustainable Systems for Food and Bio-energy Production under Water-saving Irrigation in the Egyptian Nile Basin</b>	<b>SATOH Masayoshi</b> University of Tsukuba	<b>Arab Republic of Egypt</b>



# Selected Research Projects (FY2008)

## Natural Disaster Prevention

Project Title	Principle Investigator	Counterpart
<b>Study on Glacial Lake Outburst Floods in the Bhutan Himalayas</b>	<b>NISHIMURA Kouichi Nagoya University</b>	<b>Kingdom of Bhutan</b>
<b>Multi-disciplinary Hazard Reduction from Earthquakes and Volcanoes in Indonesia</b>	<b>SATAKE Kenji The University of Tokyo</b>	<b>Republic of Indonesia</b>
<b>Risk identification and land-use planning for disaster mitigation of landslides and floods in Croatia</b>	<b>MARUI Hideaki Niigata University</b>	<b>Republic of Croatia</b>

## Infectious Diseases Control

Project Title	Principle Investigator	Counterpart
<b>Development of therapeutic human antibodies and pursuing novel therapeutic candidates against infectious diseases, especially dengue hemorrhagic fever</b>	<b>IKUTA Kazuyoshi Osaka University</b>	<b>Kingdom of Thailand</b>
<b>Establishment of novel diagnostic systems and development of new drugs for tuberculosis and trypanosomiasis</b>	<b>SUZUKI Yasuhiko Hokkaido University</b>	<b>Republic of Zambia</b>



# Results of FY2009 Competition (Overview-1)

Number of applications received and selected

Research Areas	No. of Applications				No. of proposals for interview	No. of selected proposal	Success Rate (%)
	Asia	Africa	Others	Total			
Environment and Energy 1 “Research contributing to adaptation to or mitigation of climate change”	14	1	4	19	7	4	21.1
Environment and Energy 2 “Research contributing to Sustainable Utilization of Bio-Resources”	34	11	4	49	12	6	12.2
Environment and Energy 3 “Research contributing to the resolution of global-scale environmental issues”	21	3	5	29	3	2	6.9
Natural Disaster Prevention “Research on natural disaster prevention measures attuned to the needs of developing countries”	17	2	3	22	8	5	22.7
Infectious Diseases Control “Research on measures to address infectious diseases control attuned to the needs of developing countries”	20	6	2	28	8	4	14.3
<b>Total</b>	<b>106</b>	<b>23</b>	<b>18</b>	<b>147</b>	<b>38</b>	<b>21</b>	<b>14.3</b>



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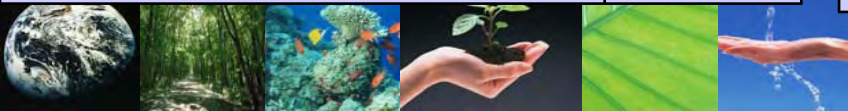
# Results of FY2009 Competition (Overview-2)

## Region and Countries of the Selected Projects

Region	Country	No. of projects selected	
Asia	People's Republic of Bangladesh	1	10
	India	2	
	Republic of Indonesia	2	
	Republic of the Philippines	3	
	Kingdom of Thailand	1	
	Socialist Republic of Viet Nam	1	
Africa	Burkina Faso	1	6
	Republic of Ghana	1	
	Republic of South Africa	2	
	The Republic of Sudan	1	
	Republic of Tunisia	1	
Others	Republic of Bolivia	1	5
	Federative Republic of Brazil	3	
	Republic of Peru	1	
<b>Total</b>		<b>21</b>	

## Numbers and Regions of the Selected Projects for Each Research Area

Research Areas	No. of project selected			
	Asia	Africa	Others	Total
Environment and Energy 1 “Research contributing to adaptation to or mitigation of climate change”	1	1	2	4
Environment and Energy 2 “Research contributing to Sustainable Utilization of Bio-Resources”	3	2	1	6
Environment and Energy 3 “Research contributing to the resolution of global-scale environmental issues”	1	1	0	2
Natural Disaster Prevention “Research on natural disaster prevention measures attuned to the needs of developing countries”	3	1	1	5
Infectious Diseases Control “Research on measures to address infectious diseases control attuned to the needs of developing countries”	2	1	1	4
<b>Total</b>	<b>10</b>	<b>6</b>	<b>5</b>	<b>21</b>



# Selected Research Projects (FY2009)

## Environment/Energy 1/3 (Climate Change and Global-Scale Environment Issues)

	Project Title	Principal Investigator/Affiliation	Counterpart Country
	Carbon Dynamics of Amazonian Forests	Research Coordinator ISHIZUKA Moriyoshi; Forestry and Forest Products Research Institute	Federative Republic of Brazil
	Climate Simulation and Projections for Adaptation Impact in the Southern African Region	Head of Laboratory Dr. YAMAGATA, Toshio; Japan Agency for Marine-Earth Science and Technology (JAMSTEC)	Republic of South Africa
	Climate Variability Study and Societal Application through Indonesia - Japan "Maritime Continent COE"- Indonesia Contribution to GEOSS project	Principal Scientist YAMANAKA Manabu; Application Laboratory, Japan Agency for Marine-Earth Science and Technology (JAMSTEC)	Republic of Indonesia
Energy and Environment 1 (EE1)	Study on Impact of Glacial Retreat on Water Resource Availability for cities of La Paz / El Alto	Professor TANAKA Hitoshi; School of Engineering, Tohoku University	Republic of Bolivia
	Improving Sustainable Water and Sanitation Systems in Sahel Region in Africa	Professor FUNAMIZU Naoyuki; Graduate School of Engineering, Hokkaido University	Burkina Faso
EE3	Promoting Low Carbon Technology Transfer between Japan and India: Corporation Framework, Policy Recommendation, and Capacity Building	Director SUZUKI Yutaka; Kansai Research Centre, Institute for Global Environmental Strategies (IGES)	India





# Selected Research Projects (FY2009)

## Environment/Energy 2 (Bio-Resources)

Project Title	Principal Investigator/Affiliation	Counterpart Country
Development of Soy Bean with tolerance to dry and heat	Professor YAMAGUCHI-SHINOZAKI Kazuko; Japan International Research Center for Agricultural Sciences (JIRCAS)	Federative Republic of Brazil
Development of Strategic Regional Network of Institutions for Integrated Coastal Ecosystem Conservation and Adaptive Management in Response to Local and Global Environmental Change	Professor NADAOKA Kazuo; Graduate School of Information Science and Engineering Department of Mechanical and Environmental Informatics, Tokyo Institute of Technology	Republic of the Philippines
Innovation on production and automotive utilization of bio-fuels from non-food biomass	Dr. YOSHIMURA Yuji; Research Center for New Fuels and Vehicle Technology, National Institute of Advanced Industrial Science and Technology (AIST)	Kingdom of Thailand
Improvement of Food Security in Semi-arid Regions of Sudan through Management of Root Parasitic Weeds	Professor SUGIMOTO Yukihiro; Graduate School of Agricultural Science, Kobe University	The Republic of the Sudan
Sustainable Integration of Local Agriculture and Biomass Industries	Professor SAKODA Akiyoshi; Institute of Industrial Science, The University of Tokyo	Socialist Republic of Viet Nam
Valorization of Bio-resources in Semi Arid and Arid Land for Regional Development	Professor ISODA Hiroko; Graduate School of Life and Environmental Sciences, University of Tsukuba	Republic of Tunisia



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# Results of 2009 Competition (Selected Projects)

## Natural Disaster Prevention

Project Title	Principal Investigator/Affiliation	Counterpart Country
Enhancement of Monitoring Capabilities and Source Process Studies of Earthquakes and Volcanoes in the Philippines	Principal Senior Researcher INOUE Hiroshi; Earthquake Research Department, National Research Institute for Earth Science and Disaster Prevention	Republic of the Philippines
Evaluation of Seismic Risk and Tsunami Disaster Mitigation Technology in Peru	Professor YAMAZAKI Fumio; Faculty of Engineering of Chiba University	Republic of Peru
Information Network for Natural Disaster Mitigation and Recovery	Professor MURAI Jun; Keio University	India
Research on disaster prevention/mitigation measures against floods and storm surges	Professor Hajime NAKAGAWA; Disaster Prevention Research Institute of Kyoto University	People's Republic of Bangladesh
Studies of Seismic Hazard Mitigation in deep level South African mines	Professor OGASAWARA Hiroshi; College of Science and Engineering, Ritsumeikan University	Republic of South Africa



# Selected Research Projects (FY2009)

## Infectious Diseases Control

Project Title	Principal Investigator/Affiliation	Counterpart Country
Control of Infectious Diseases of Viral and Parasitic Aetiology in Ghana	Professor YAMAOKA Shoji; Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University	Republic of Ghana
Emerging Infectious Diseases: Development of vaccines and natural substance based antiviral drugs for control and prevention of flavi-and related viruses	Director/Professor HOTTA Haku; Graduate School of Medicine/School of Medicine Infectious Disease Center, Kobe University	Republic of Indonesia
New technology approaches applied for the improvement of diagnosis and management of fungal infectious in AIDS and immunocompromised patients in Brazil	Professor KAMEI Katsuhiko; Medical Mycology Research Center (MMRC), Chiba University	Federative Republic of Brazil
Prevention and Control of Leptospirosis in the Philippines	Professor YOSHIDA Shinichi; Faculty of Medicine Sciences, Kyushu University	Republic of the Philippines



# 採択課題の国別件数

アジア	H20 件数	H21 件数	アフリカ	H20 件数	H21 件数	中南米	H20 件数	H21 件数	欧州・大洋州等	H20 件数	H21 件数
インド		2	エジプト	1		ブラジル	1	3	クロアチア	1	
インドネシア	2	2	ガーナ		1	ペルー		1	ツバル	1	
タイ	3	1	ガボン	1		ボリビア		1			
バングラデシュ		1	ザンビア	1							
フィリピン		3	スーダン		1						
ブータン	1		チュニジア		1						
ベトナム		1	ブルキナファソ		1						
			南アフリカ共和国		2						
合計	6	10	合計	3	6	合計	1	5	合計	2	



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# 採択課題の領域別件数

地域	対象国	環境・エネルギー			防災	感染症	合計
		気候変動	生物資源	環境一般			
アジア	インド			1	1		2
	インドネシア	1		1	1	1	2+2
	タイ	1	1	1		1	3+1
	バングラデシュ				1		1
	フィリピン		1		1	1	3
	ブータン				1		1
	ベトナム		1				1
	小計	2	3	1+2	2+3	1+2	6+10
アフリカ	エジプト			1			1
	ガーナ					1	1
	ガボン			1			1
	ザンビア					1	1
	スーダン		1				1
	チュニジア		1				1
	ブルキナファソ			1			1
	南アフリカ	1			1		2
小計	1	2	2+1	1	1+1	3+6	
中南米	ブラジル	1+1	1			1	1+3
	ペルー				1		1
	ボリビア	1					1
	小計	1+2	1		1	1	1+5
欧州・大洋州等	クロアチア				1		1
	ツバル	1					1
	小計	1			1		2
	合計	4+3	6	3+3	3+5	2+4	12+21

H20+H21

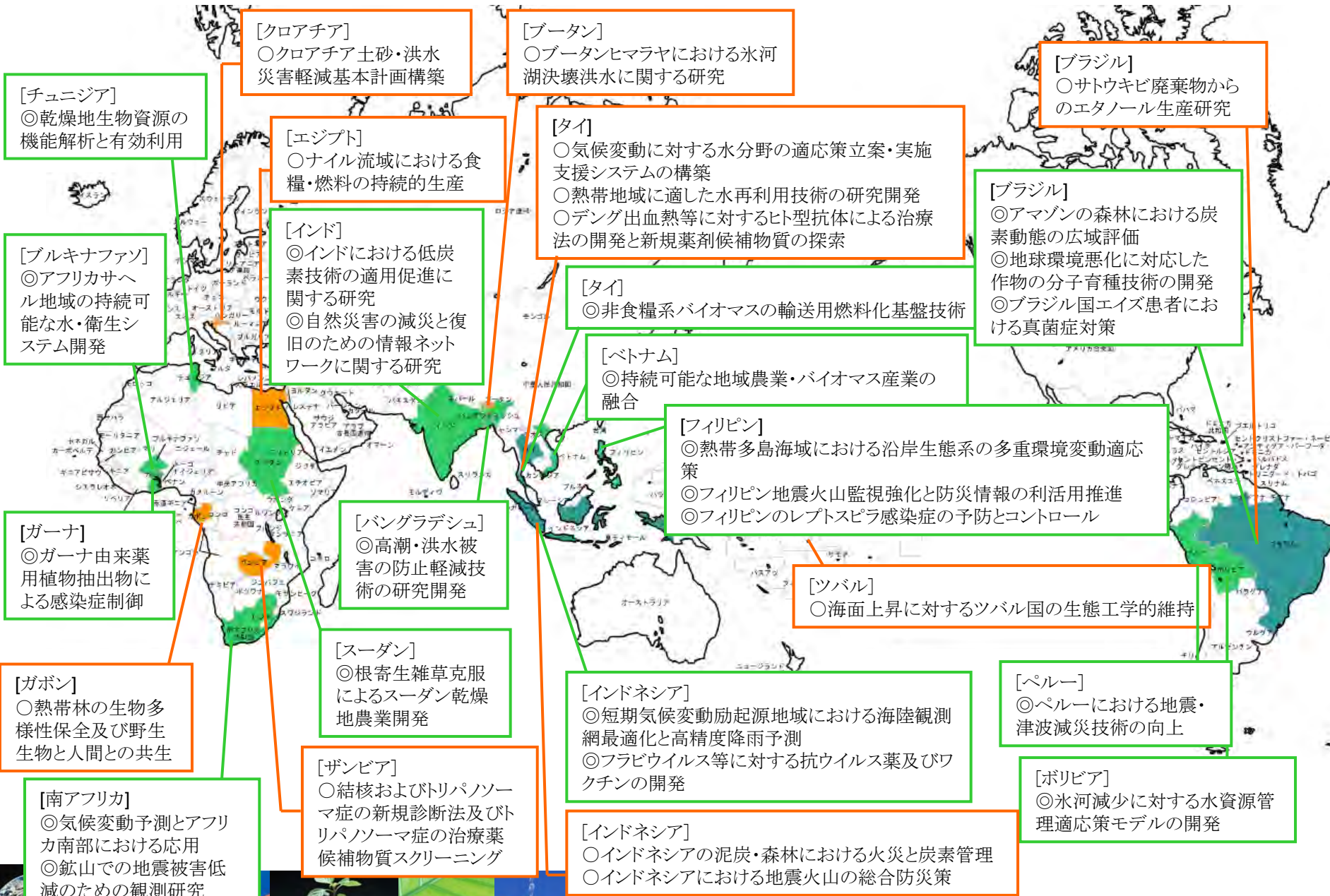


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# 地球規模課題対応国際科学技術協力事業の現状



*Thank you for your kind attention  
and smiles...*



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