

16<sup>th</sup> EAS-ECTF  
25,26 August 2011  
Vientiane, Lao PDR

# Biomass Energy Research Invitation Program 2011 ( Toward Industrialization)

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Promotion Office  
New Energy Foundation  
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<http://www.nef.or.jp/> ; <http://www.asiabiomass.jp/>

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## Asia Biomass Office

**NEF > International Cooperation Division**

**>> Asia Biomass Energy Cooperation Promotion Office  
(Asia Biomass Office)**

- Established in July 2007 under the Cebu Declaration at The 2nd East Asia Summit in January 2007.
- For functioning smooth operation of cooperation, information-sharing on biomass energy and as a window for biomass energy information.



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# Researchers Invitation Program

## Purpose

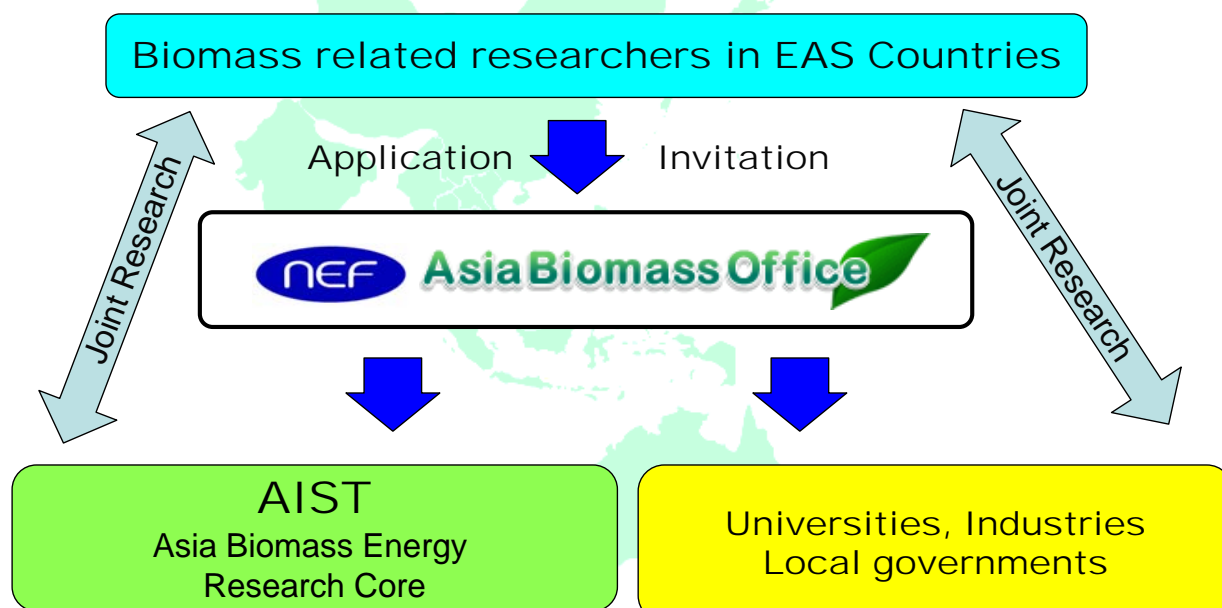
- Cooperation with EAS countries in biomass energy sector
- Promotion of research activities to each EAS country

## Activities

- NEF invites biomass energy researchers from EAS countries.
- Institutes on Japan accepts researchers to have joint researches;
  - Sustainable utilization and production technology
  - Quality control and standardization
  - Environmental and socio-economic impact assessment
  - Study of application of research outcomes
- Networking of biomass energy researchers in EAS countries.

# Program Structure

Cooperation Initiative for Clean Energy and Sustainable Growth  
( at The 2<sup>nd</sup> East Asia Summit by Prime Minister of Japan, Mr. Abe, January 2007 )

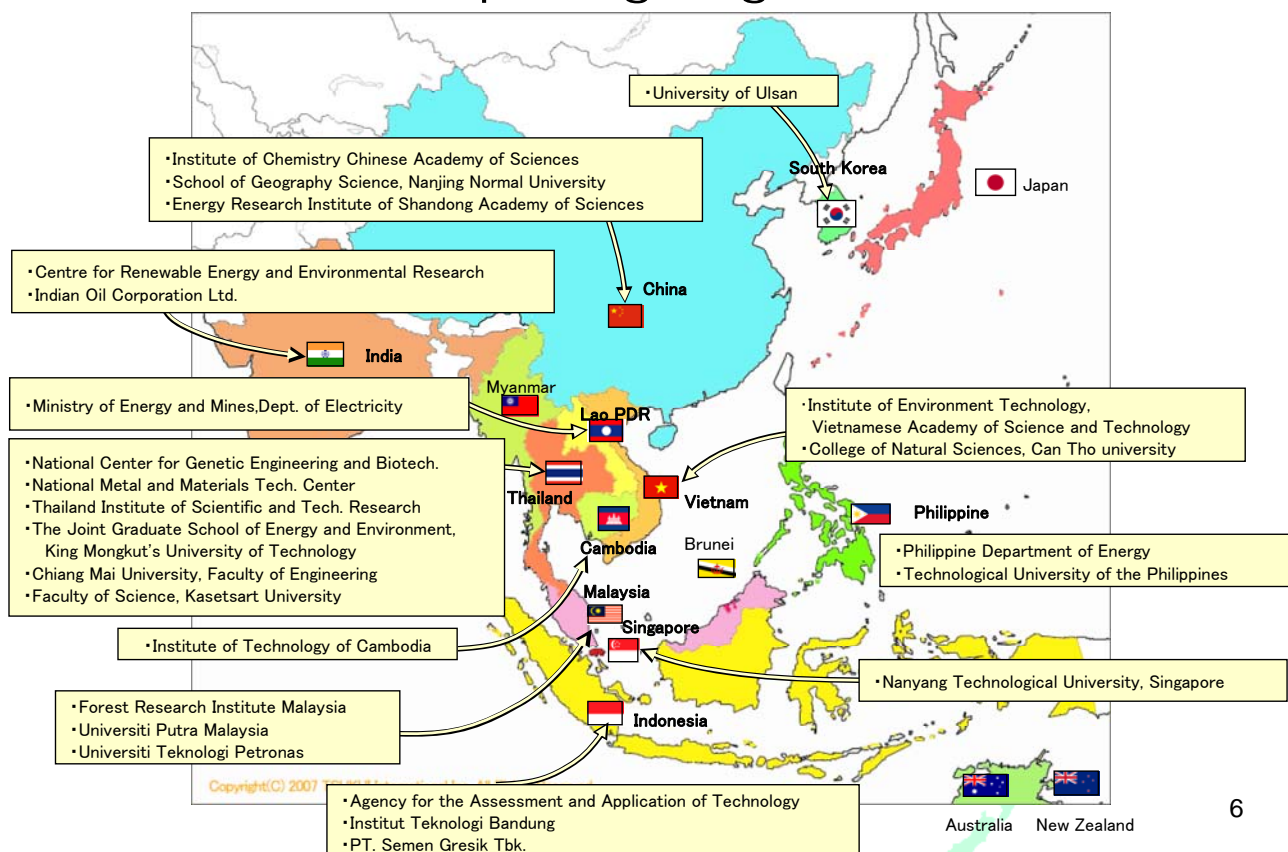


# Result of Invitation Program

Year		2008	2009	2010	2011	TOTAL
Number of Invited Researchers		19	24	21	15	79
<b>1. Utilization and Production</b>		5	6	7	3	21
<b>2. Quality Standards, Control</b>		11	9	9	4	33
<b>3. Life Cycle Assessment</b>		3	4	2	2	11
<b>4. Applicant's Option</b>		-	5	3	6	14
Number of Participating Countries		6	8	9	9	32
Country	<b>Cambodia</b>	-	-	-	1	1
	<b>China</b>	1	1	3	1	6
	<b>India</b>	-	3	1	1	5
	<b>Indonesia</b>	4	5	6	5	20
	<b>Lao PDR</b>	-	-	1	-	1
	<b>Malaysia</b>	-	2	2	2	6
	<b>Philippines</b>	2	1	1	1	5
	<b>Singapore</b>	1	1	1	-	3
	<b>South Korea</b>	-	-	-	1	1
	<b>Thailand</b>	10	6	2	2	20
	<b>Vietnam</b>	1	5	4	1	11

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# Participating Organizations



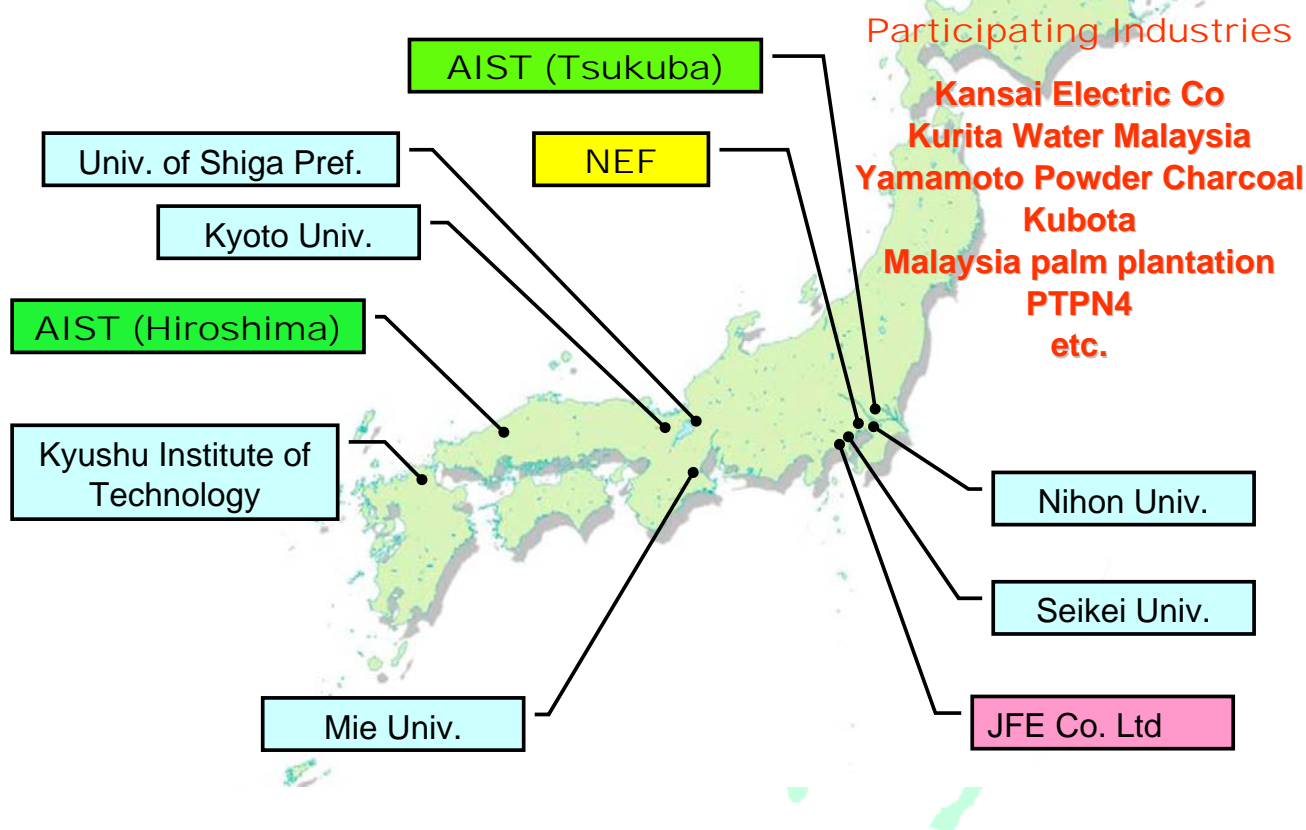
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# Participating Organizations

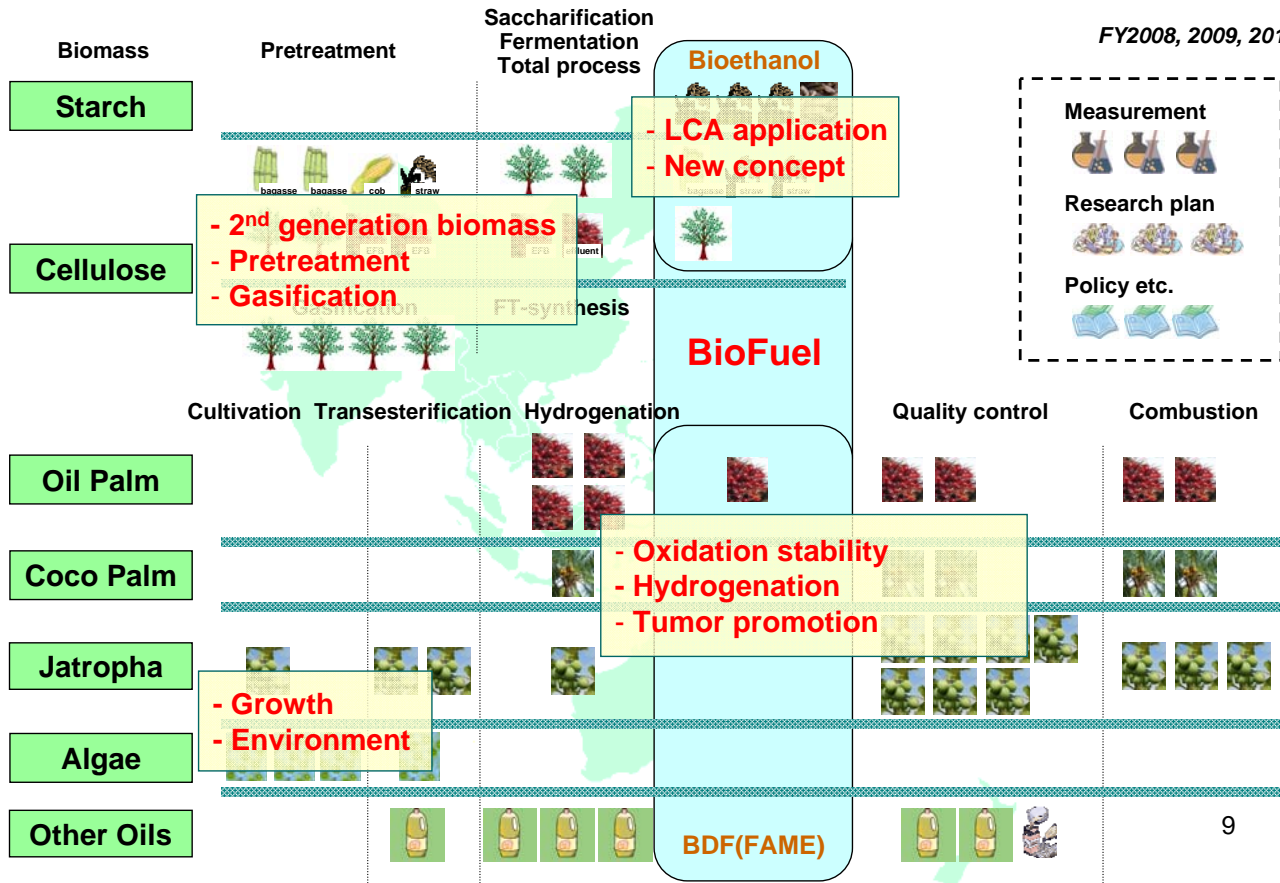
2008-2011

Cambodia	Institute of Technology of Cambodia
China	Institute of Chemistry Chinese Academy of Sciences
	School of Geography Science, Nanjing Normal University
	Energy Research Institute of Shandong Academy of Sciences(SDERI)
India	Indian Oil Corporation Ltd.
	Centre for Renewable Energy and Environmental Research
Indonesia	Agency for the Assessment and Application of Technology (BPPT)
	Institut Teknologi Bandung
	PT. Semen Gresik Tbk.
Lao P.D.R	Ministry of Energy and Mines, Department of Electricity
Malaysia	Forest Research Institute Malaysia (FRIM)
	Universiti Putra Malaysia
	Universiti Teknologi Petronas
Philippine	Philippine Department of Energy
	Technological University of the Philippines
Singapore	Institute of Environmental Science and Engineering (IESE), Nanyang Technological University, Singapore
South Korea	School of Mechanical and Automotive Engineering, University of Ulsan
Thailand	National Center for Genetic Engineering and Biotechnology (BIOTEC)
	National Metal and Materials Technology Center
	Thailand Institute of Scientific and Technological Research
	The Joint Graduate School of Energy and Environment, King Mongkut's University of Technology
	Chiang Mai University, Faculty of Engineering
Vietnam	Faculty of Science, Kasetsart University
	Vietnamese Academy of Science and Technology (VAST)
	College of Natural Sciences, Can Tho university

## Accepting Organizations (2008-2011)



FY2008, 2009, 2010



## NEF Fellows



Completion Ceremony March, 2011



# New Policy of 2011

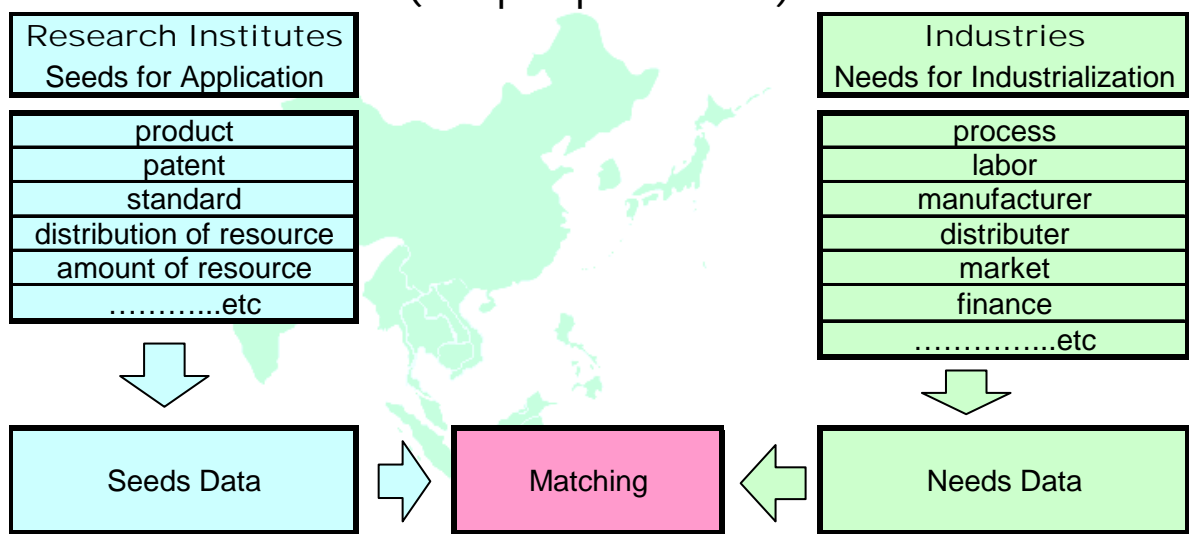
To utilize biomass energy related research outcomes and to foster industries.

1. Survey **SEEDS** from research outcomes to industrializations.
2. Survey **NEEDS and BARRIERS** of industrializations.
3. Create **NEEDS - SEEDS matching database**.
4. Provide **matching opportunities** between institutes and industries.



- Maintain and enhance research and human networks
- Increase associated research bodies. (Multi national, On-site research)
- Promote participation of industries for realization of plan.

## Asia Biomass Office Needs & Seeds Database ( in preparation )



Accessible on website  
Disclosed as necessary

Select matching candidate at Asia Biomass Office

Matching work by designated person in Asia Biomass Office



## **8<sup>th</sup> Biomass-Asia Workshop**

**“Biomass as Sustainable Energy and Environmental Technology”**

with

**Asia Biomass Office Conference**

**November 29 - December 1, 2011**

**Hanoi, Viet-Nam**

**Center for Women and Development (CWD) Hotel**

**20 Thuy Khue-Tay Ho-Hanoi, Vietnam**

**Vietnam :**

**Vietnam Academy of Science and Technology (VAST)**

**Japan:**

**National Institute of Advanced Industrial Science and Technology (AIST)**

**New Energy Foundation (NEF)**

**Biomass-Asia Research Consortium:**

**AsiaBiomassOffice** 



*Your cooperation on this matter are  
required and will be deeply  
appreciated.*

*Thank you very much*