

*15th EAS-ECTF
7 April 2011
Medan, Indonesia*

*Next Step of Research
Invitation Program 2011
(Toward Industrialization)*

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Promotion Office
New Energy Foundation
Tokyo, Japan*

<http://www.nef.or.jp/> ; <http://www.asiabiomass.jp/>

Asia Biomass Office

NEF > International Cooperation Division

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

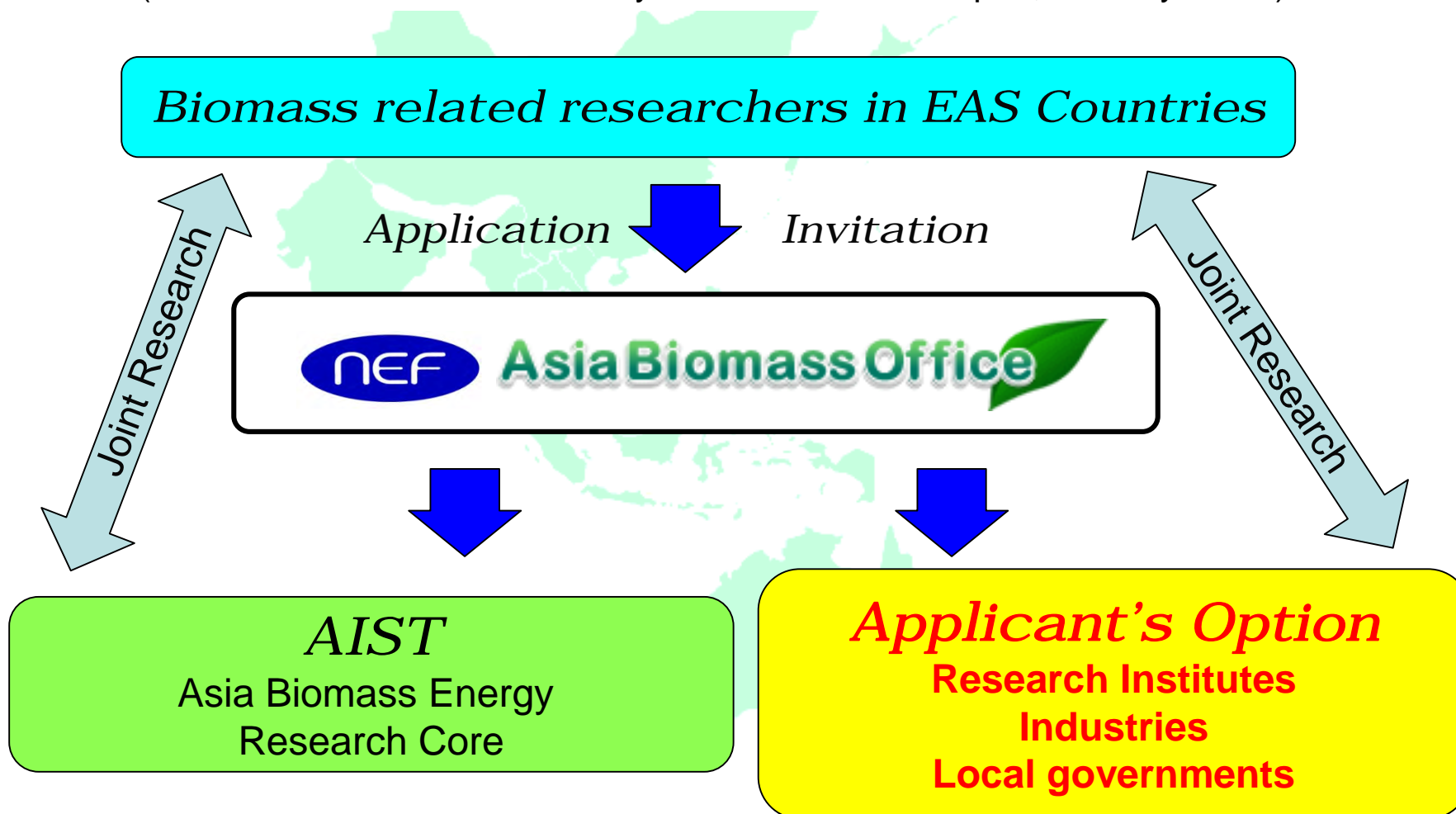
*Established in July 2007 under the Cebu Declaration at
The 2nd East Asia Summit in January 2007.*

*For functioning smooth operation of cooperation, information-
sharing on biomass energy and as a window for biomass
energy information.*



Program Structure

Cooperation Initiative for Clean Energy and Sustainable Growth
(at The 2nd East Asia Summit by Prime Minister of Japan, January 2007)



<http://www.asiabiomass.jp/english/receipt.html>

Asia Biomass Energy Researchers Invitation Program

- *Cooperate with EAS countries
in biomass energy sector*
- *Invite biomass energy researchers
from EAS countries*
- *Promote research activities in each
country*

Research Field

- 1. Sustainable Utilization and Production
Technology of Biofuel for Asian Countries*
- 2. Quality Standards, Quality Control and
Distribution Management of Biofuel*
- 3. Environmental and Socio-Economic Impact
Assessment of Biofuel*
- 4. Applicant's Option*

Number of Invited Researchers

		2008	2009	2010	Total
Number of Invited Researchers		19	24	21	64
1.	<i>Sustainable Utilization and Production Technology</i>	5	6	7	18
2.	<i>Quality Standards, Quality Control and Distribution Management</i>	11	9	9	29
3.	<i>Environmental and Socio-Economic Impact Assessment</i>	3	4	2	9
4.	<i>Applicant's Option (from FY 2009)</i>	-	5	3	8
Country	China	1	1	3	5
	India		3	1	4
	Indonesia	4	5	6	15
	Laos			1	1
	Malaysia		2	2	4
	Philippines	2	1	1	4
	Singapore	1	1	1	3
	Thailand	10	6	2	18
	Vietnam	1	5	4	10

Participating Organizations

2008 - 2010

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
Lao P.D.R	Ministry of Energy and Mines, Department of Electricity
Malaysia	Forest Research Institute Malaysia (FRIM)
	Universiti Putra Malaysia
Philippine	Philippine Department of Energy
Singapore	Institute of Environmental Science and Engineering (IESE), Nanyang Technological University, Singapore
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	Institute of Environment Technology, Vietnamese Academy of Science and Technology (VAST)
	College of Natural Sciences, Can Tho university

Invitation Program of 2011

- ◆ 2011 is the last year of 5 years' program
- ◆ Preparation of next new program
- ◆ Emphasize of “Utilization or Industrialization” of research outcomes
- ◆ Provide the opportunities of “Arrangement” between “SEEDs” from researches and “NEEDs” of Industries
- ◆ Participations of private industries are highly encouraged for embodiment of plan.

Implementation of New Concept

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- ◆ **Expand Invited Research Field**
 - ◆ **Investigate “Needs” and “Seeds” from industries and institute**
 - ◆ **Create “Need - Seeds” matching data-base**
 - ◆ **Provide mating opportunities**

Expansion of Invited Research Field



Biofuel Production in AIST
Quality Control and Standardization in AIST
LCA in AIST
Applicants' Option
Practical Utilization/Industrialization

New Research Field

v. Practical utilization/Industrialization (DRAFT)

Potentials of practical utilization/industrialization are studied for the purpose of making a plan of collaborative work among governmental laboratories, local governments, universities, private companies, etc. in Japan and EAS countries. The study is based on the research outcomes implemented under the Asia Biomass Energy Researchers Invitation Program from 2008 to 2011. The study outcomes from a new subjects in 2011 will be also welcomed.

Database of Biomass Research Organizations in East Asia



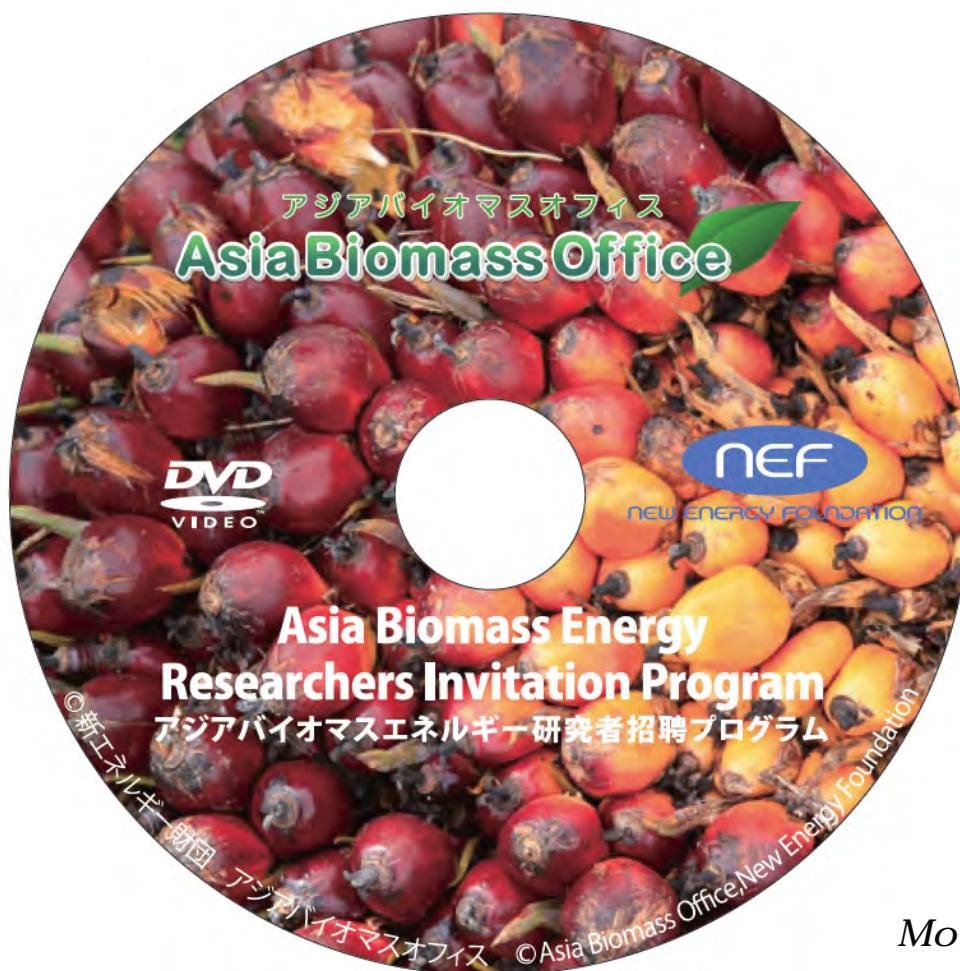
The screenshot shows the website's search interface. At the top, it identifies the 'Asia Biomass Energy Cooperation Promotion Office' and offers a 'Japanese' language option. The main title is 'Database of Biomass Research Organizations in East Asia', with the NEF logo and tagline 'New Energy for New Life'. Navigation buttons for 'Top', 'Data base', 'Links', and 'Contacts' are present. A large banner image of a tropical landscape features the title. Below this is a 'Detailed Search' section with filters for 'Biomass category' (Woody fuel, Biogas, Bioethanol, Biodiesel, Carbonization, Others) and 'Organization type' (Research institute, Local government, Private company, University, Others). A map of East Asia is shown. A 'Words' search box is at the bottom. A right sidebar contains a 'Database of Biomass Research Organizations in East Asia' box with a brief description and a 'Contacts' button. The browser status bar at the bottom shows 'インターネット | 保護モード: 有効' and a 125% zoom level.

“Need - Seeds” matching data-base is to be annexed

CD “Biomass Topics in East Asia”



DVD “Asia Biomass Energy Researchers Invitation Program”



Movie shoot at Jalan Serdang, Perbaungan,
PTPN IV Kebun Adolina



Thank you for your attention

*Your contact to nagao@nef.or.jp
is welcomed.*

Remarks

Preferable applicants are those research institutes or industries that are

- *Working with Japanese organizations in biomass energy field. It needs some level of feasibility study or additional research activities before industrializations.*
- *Having plan of feasibility study for industrialization with Japanese organizations.*

Asia Biomass Office would like to ask you to introduce this new concept in 2011 to those concerned in your countries.

Call for application will be announced in the web site NEF “Asia Biomass Office” around May 2011.