

Japan – ASEAN Collaboration Research Center

Background

1. ASEAN Intensive strategy (Japanese government, PM. Abe)
2. Needs of new “branding” of STI between ASEAN and Japan
3. MEXT Japan is preparing new funding scheme for STI between ASEAN and Japan
⇒ JST Collaboration Hubs for International Research Program

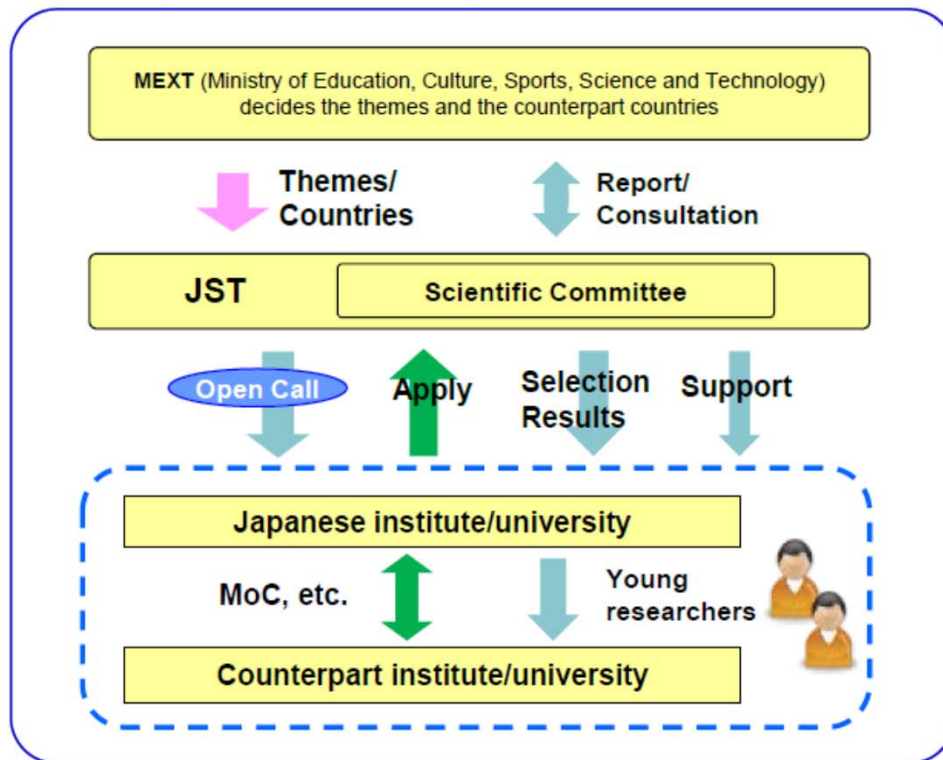


JST CHIRP (Collaboration Hubs for International Research Program) 2015

PURPOSE

- This program seeks long-term collaboration in developing International Joint-Research Bases together with ASEAN countries and India for the purpose of cooperative open-innovation that is accessible to industries and aims to provide direct solutions to locally and globally shared challenges.
- This program promotes Japan's identifiable and continuous support to collaborative research, leveraging Japanese scientific discoveries to advance industrial production and social development in ASEAN countries and India.

- The overseas counterpart institutes are expected to provide suitable space for the joint-research bases
- Young Japanese researchers and collaboration coordinators will be dispatched to the counterpart institutes



MEXT'S POLICY & DECISION

The Japanese government decided to strengthen the nation's strategic networking dynamic in exchange of capable and promising young researchers among Japan and friendly overseas countries, based on a new science & technology diplomatic foundation of joint-research bases in leading countries.

- Counterpart institute locations: ASEAN countries, India
- Research budget for each project: 100 million JPY (840 thousand USD) per annum
- Funding period: five years per project

【Expected Outcomes】

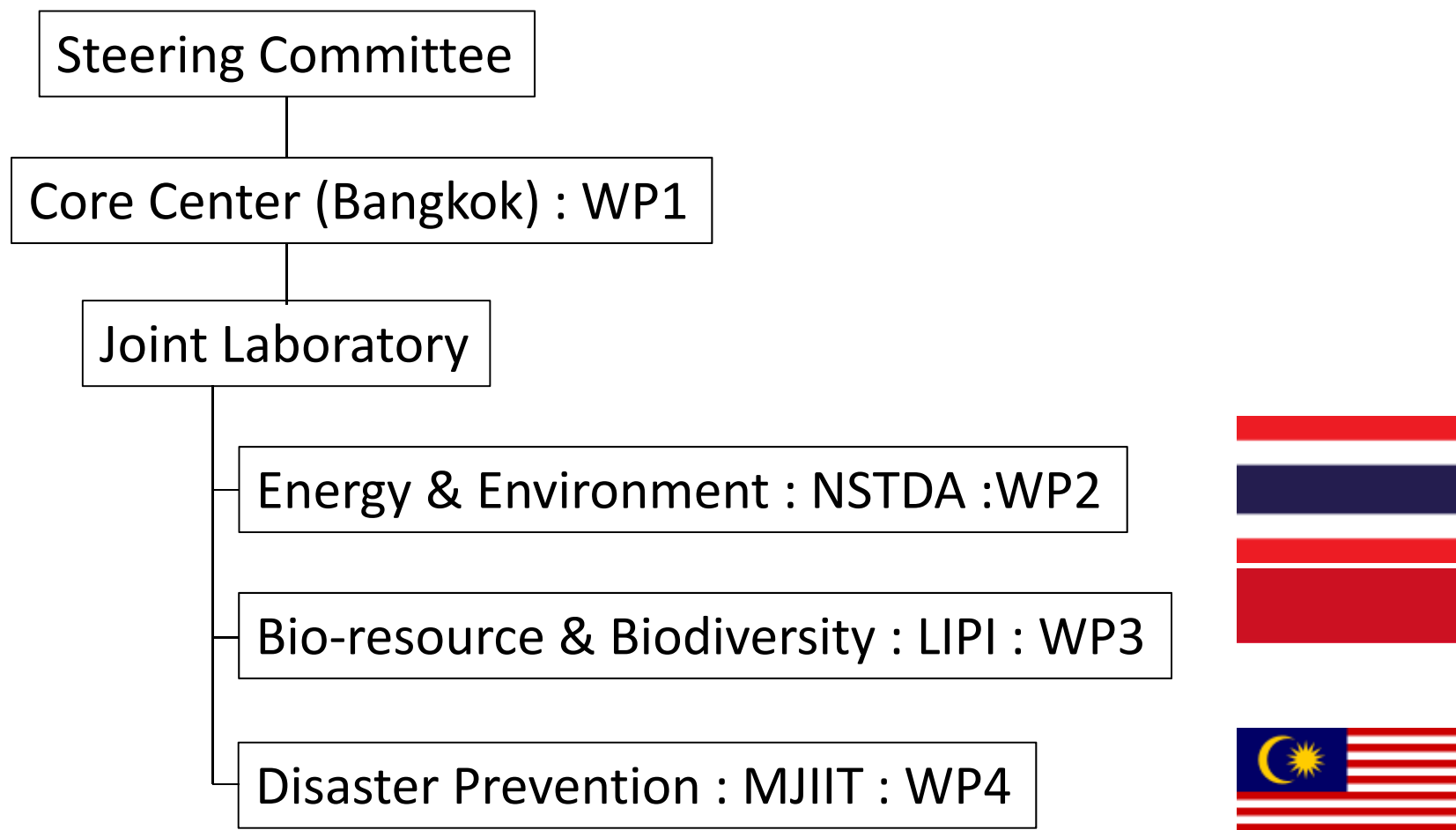
- ◆ Rapid progress in locally relevant scientific research fields and creation of new innovative technologies by the counterpart institutes
- ◆ Industrial collaboration to solve locally and globally shared challenges
- ◆ Overseas counterpart institutes function as central Hubs in international exchange of human resources among Japan, India and ASEAN countries

JASTIP (Japan ASEAN Science and Technology Innovation Platform) Program

To establish the “Japan – ASEAN Collaborative Research **Framework**”

- To solve the global issues through promoting international (ASEAN-Japan) collaboration researches in the fields of
environment & energy,
bio-resource & biodiversity,
disaster prevention.
- To implement the collaboration research outcomes.

Project Structure



JASTIP NET

- Collaboration Research Proposal **opened for ASEAN researchers** to implement “ALL ASEAN – ALL JAPAN” policy.
- ~13 proposals / year (start from 2016)
- 1M JPY (~9,000 USD) / CR
- Energy&Environment, Bio-resource&Biodiversity, Disaster Prevention, and Interdisciplinary Research
- KU researcher has to be dispatched each CR.
 - budget management

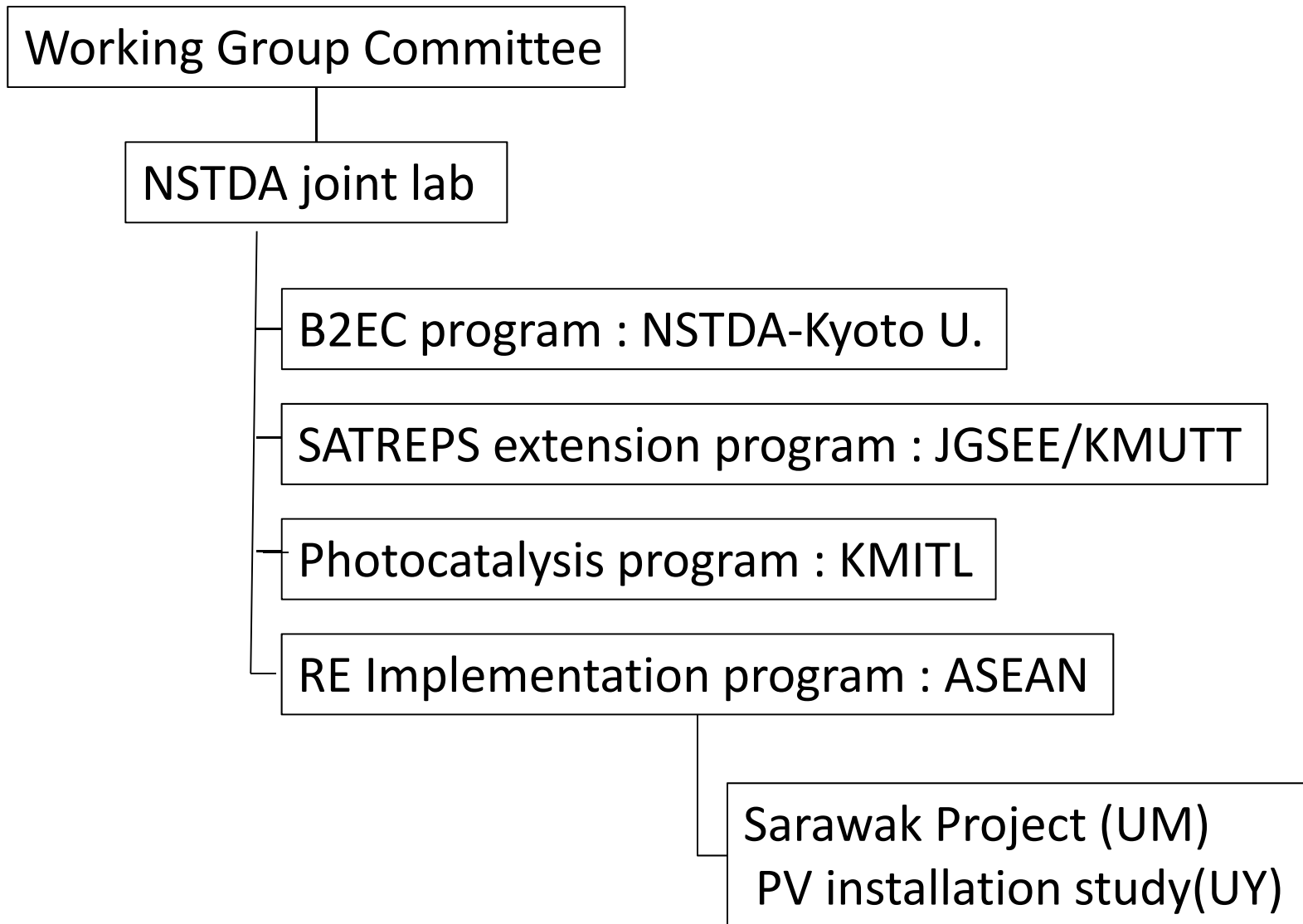
Core Center

- Place : Kyoto University ASEAN Center
 - Project leader : Prof. Yasuyuki Kono
 - Center Director : Prof. Mamoru Shibayama
 - URA : Dr. Taro SONOBE
- Function :
 - Linking (satellite centers, ASEAN research networks, Industries, ASEAN-COST)
 - Social implementation
 - Getting External Budget

Energy & Environment Joint Lab.(WP2)

- Place : National Science and Technology Development Agency, Thailand
 - President, Dr. Thaweesak
 - Project leader : Dr. Thumrongrut Mungcharoen,
 - Japan side representative : Prof. Hideaki Ohgaki
- Function
 - Promotion of collaboration researches (including “JASTIP NET” CRs)
 - Training young researchers/Technology Transfer

Structure of the Joint Lab.



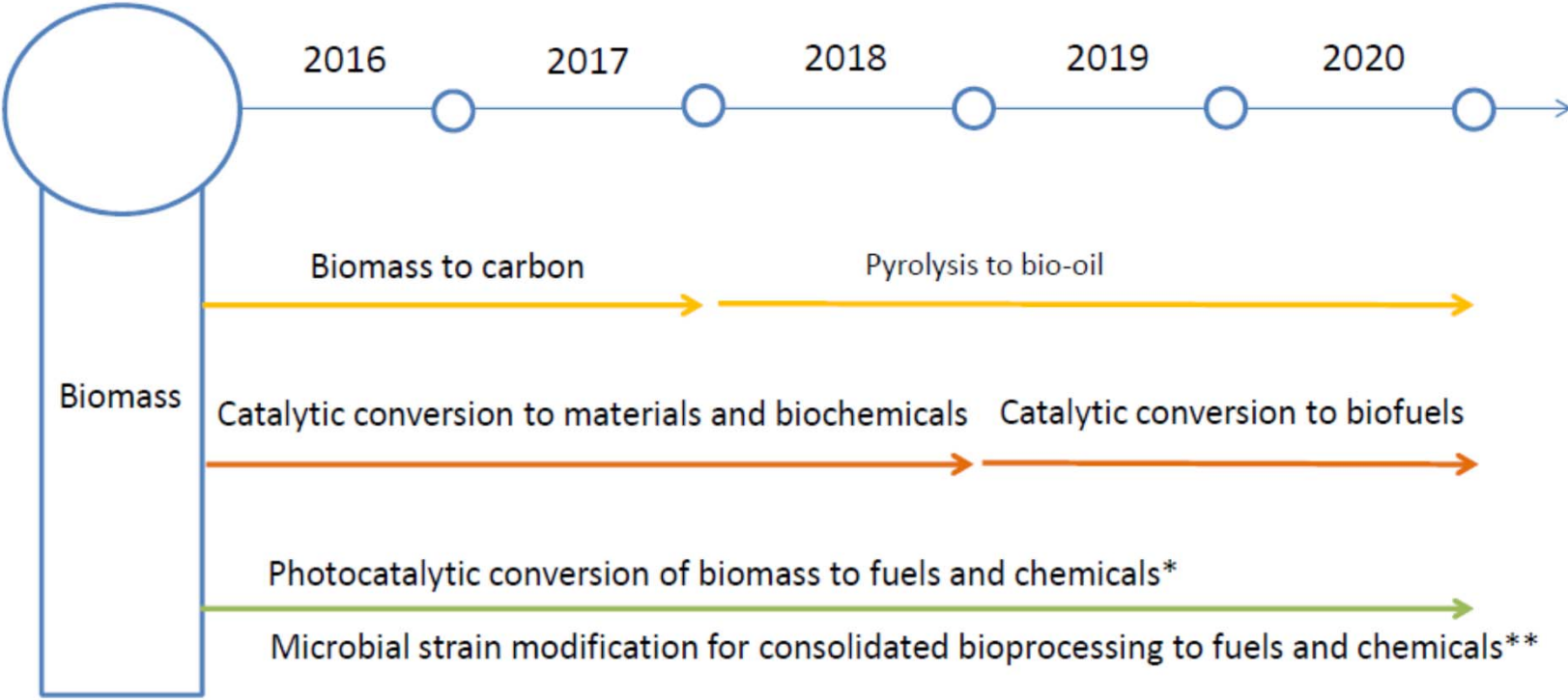
Project member

Steering Committee member

	Thailand	Japan
Joint Lab. leader	Thumrongrut Mungcharoen (NSTDA)	Hideaki Ohgaki(Kyoto)
Biomass to Energy and Chemicals @ NSTDA	Sumittra Charojrochkul (MTEC)	Takeshi Abe(Kyoto)
	Kajornsak Funawakij (NANOTEC)	Noriaki Sano(Kyoto)
	Verawat Champreda (BIOTEC) Navadol Laosiripojana(JGSEE)	Takeshi Sagawa(Kyoto)
SATREPS extension @ JGSEE/KMUTT	Bundit Fungtammasan (KMUTT)	Koichi Miura(Kyoto), Katsuyasu Sugawara(Akita U)
Photo catalysis program @ KMITL	Wisanu Pecharapa (KMITL)	Keiichi Ishihara(Kyoto)
RE implementation program @ ASEAN	Nasurdin Bin Abd Rahim (UM) Hla Toe (UY-SU)	Hideaki Ohgaki(Kyoto), Keiichi Ishihara(Kyoto)

Renewable energy and new energy technology program

NSTDA-Kyoto U: Biomass to Energy and Chemicals[B2EC]



→ **MTEC**
is member of NSTDA

→ **NANOTEC**
is member of NSTDA

→ **BIOTEC**
is member of NSTDA

JGSEE
The Joint Graduate School of Energy and Environment

:Prof.Takeshi Abe

:Assoc.Prof. Noriaki Sano, Department of Chemical Engineering

*Existing collaboration via JGSEE/ **under contact

SATREPS extension

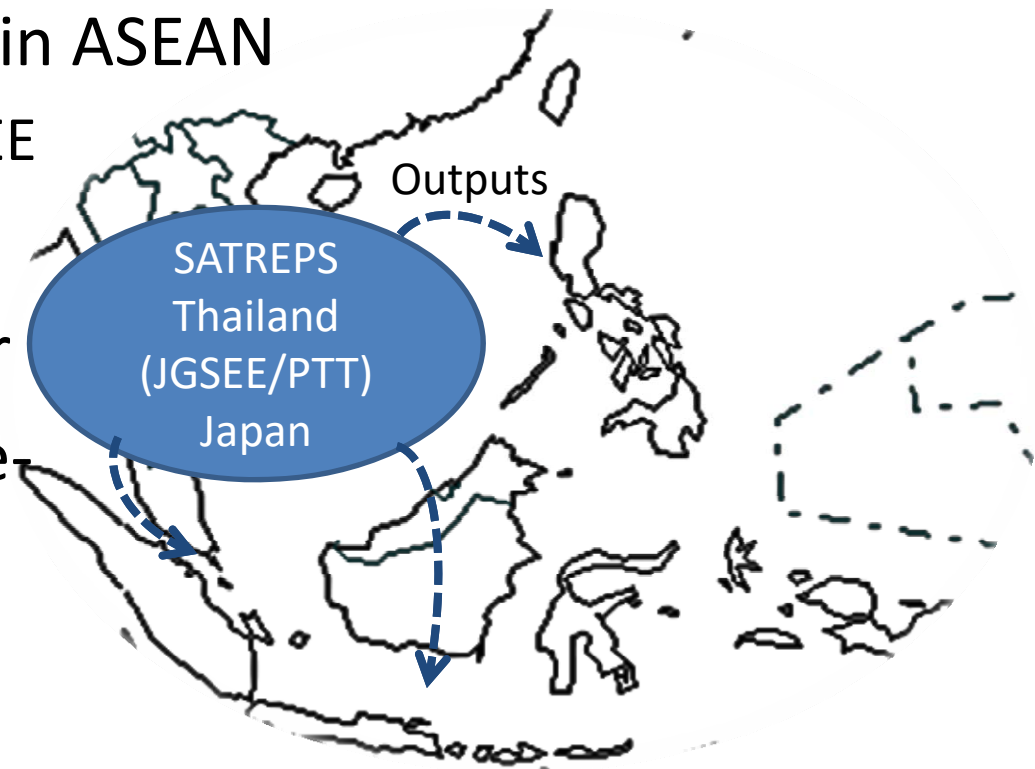
Extension of “Solvent Treatment Method” developed by SATREPS program to ASEAN region

– Basic study on possibility for application of biomass resources in ASEAN

- Satellite lab in JGSEE

If possible,

– technology transfer
– promotion of implementation in other Countries (budget!!)



Activities

- Annual workshop and steering committee meeting
- Researcher dispatch and invitation for collaboration research
- Lab work (+ individual budget)
- Promotion of collaboration research selected as “JASTIP NET” (WP1’s budget)

Scope of 2015 (– March 2016)

Target:

To set-up the cooperative framework and select the collaboration research themes

Actions:

- Design the joint lab structure
- Rent and set-up the collaboration laboratory office in TSP, NSTDA
- Select the research topics from the existing research project at NSTDA
- Kick-off workshop of the joint laboratory and steering committee meeting

Thank you for your kind attention.