



Japan-ASEAN STI Collaboration and Networking: Progress and Perspectives

**Leader of JASTIP Headquarters, Prof. Mamoru SHIBAYAMA
Headquarters Bangkok Office, Thailand**

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JASTIP supported by JST takes a role as Research Hubs,
World-wide Network in ASEAN region.

JASTIP Vision

JASTIP will be catalyst to explore new horizons in Science Technology innovation through **all-ASEAN and All-Japan** relationship based on En (縁: Connectedness) and Wa (輪: Harmonious human relationships and networks), **aiming to enrich ASEAN's potential and to pursue SDG's research promotion.**

JASTIP Goals

- Establishing platform for Japan-ASEAN collaboration of science, technology and innovation toward SDGs goal.
- Promoting transdisciplinary researches and enhancing human development including non-academic stakeholders.



JASTIP organization and main partners



JASTIP Head Office
Kyoto University ASEAN Center



Environment and Energy
National Science and Technology
Development Agency (NSTDA, Thailand)



Disaster Prevention
Malaysia-Japan International Institute of
Technology (MJIIT)



Bioresources and Biodiversity
Indonesian Institute of Sciences (LIPI)





Head office: Coordination of the whole JASTIP project

- Project management
- Collecting Information and Public Relation
 - Collection of research projects information
 - Opening and regularly updating homepage
 - Exploring and expanding research network across ASEAN

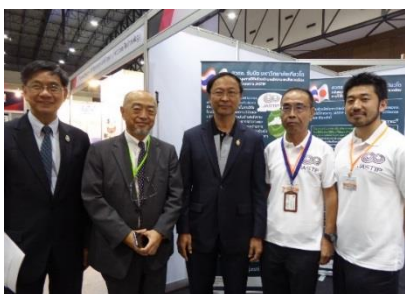


Opening ceremony of JASTIP



<https://www.facebook.com/jastip/>

- Networking
 - Dialogue between academia and non-academics
 - Linkage between academics and the private sectors



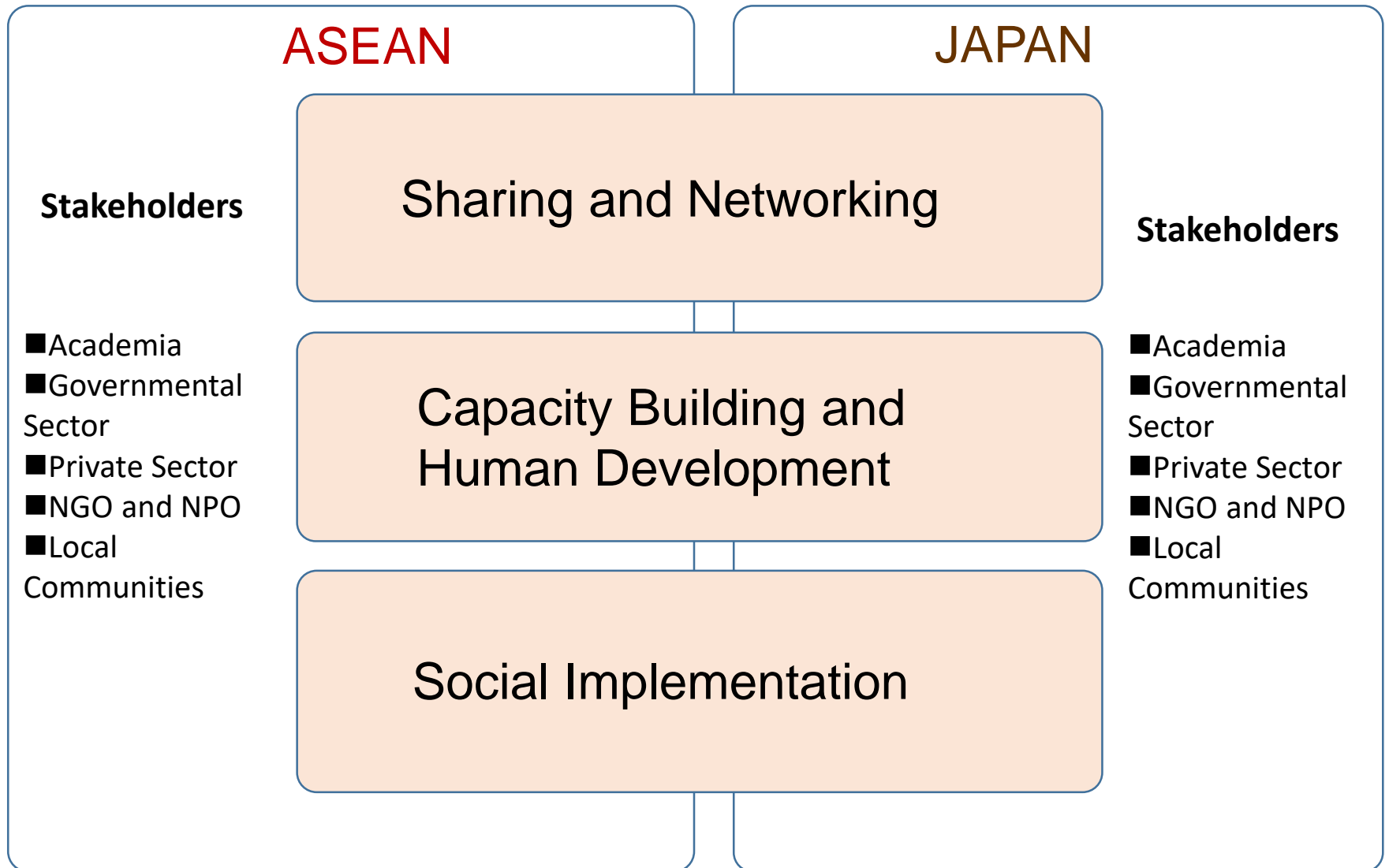
National science and technology fair 2016 Thailand



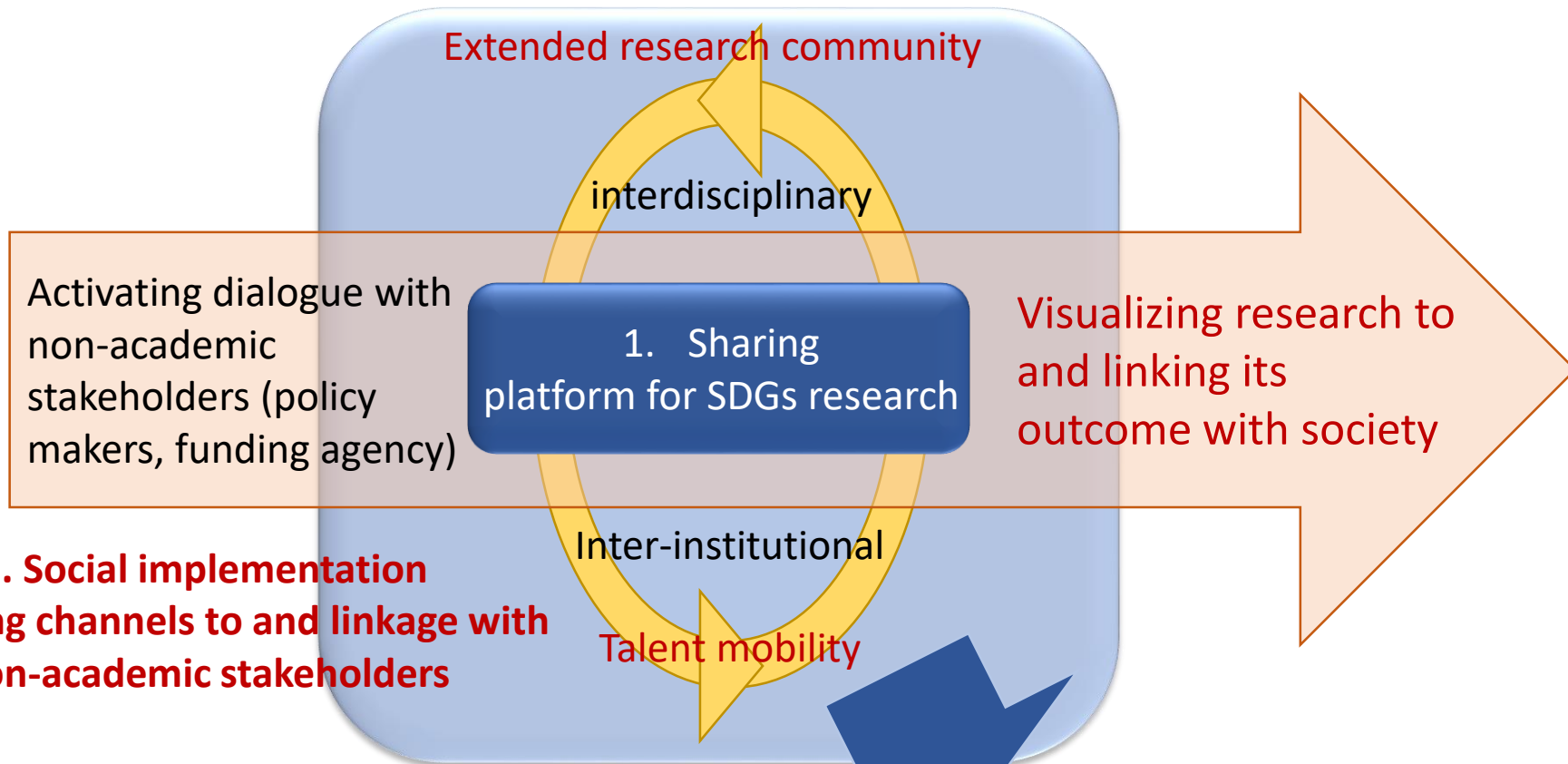
meeting with private sectors
for an exchange of ideas



recruit new members through the JASTIP-Net



2. Capacity building and research toward SDGs



3. Social implementation

Exploring channels to and linkage with non-academic stakeholders

Establishing **platform for Japan-ASEAN collaboration** of science, technology and innovation
 Promoting **transdisciplinary research** and enhancing talent mobility including non-academic stakeholders

Sharing and Networking

● ASEAN framework for STI research

- ◆ **To develop substantial mechanism** in terms of sharing knowledge, financial and human resources, and space and materials to promote STI research with sharing issues and research agenda in ASEAN.
- ◆ **To explore collaborative linkage** among ASEAN countries with choosing common and mutually beneficial issues for collective actions of ASEAN. Alternatively, regional framework depending on issues must be considered on loosely-coupled relationship.

Action Plan

- (1) To create new channel among academia and/or non-academic stakeholders **via the diplomatic establishments abroad.**
- (2) To pursue to link mutual information among academia and/or non-academic stakeholders including Intl. STI cooperation programs.
- (3) To explore opportunities of matching on sharing knowledge, financial and human resources, and space and materials.
- (4) To set up arena to discuss the future plans.

Activities on Sharing and Networking

◆ Dialog for Introducing JASTIP's program and discussing with consultations

◆ From/to JAPAN

¶ The diplomatic establishments abroad : the Japanese Embassy in Thailand, Indonesia, Malaysia, Myanmar, Laos, and Vietnam – **6 countries**.

¶ Local Japanese Governmental and Academia organizations – **63 times**.
ex: AUN/SEED-Net Regional Conference , Tokyo Metropolitan Industrial Technology Research Institute, Japanese Chamber of Commerce
“JASTIP-News” – **26 times for around 200 subscribers**.

¶ JASTIP attended the meeting of JUNThai) which 43 universities.

◆ From/to ASEAN

¶ ASEAN-COST, SEAMEO and related organizations

¶ NSTDA, LIPI, MJIIT and other research Institutes

¶ 26 universities/research institutes

¶ Funding and Matching I-U Agencies and Centers

◆ ASEAN-JAPAN

¶ JASTIP Symposium, Workshop and Forums – **4 times, 653 participants**.
(except WP2-WP4)



Collaboration with Kyoto University ASEAN Center in Kyoto ASEAN Forum

Kyoto University's Outstanding Research, Nine Nobel Laureates



Kyoto University proudly presents **KYOTO - ASEAN FORUM 2016**

8th-9th September 2016
Kuala Lumpur, Malaysia
330 participants

September 8 and 9 2016
Pullman Kuala Lumpur City Center
Hotel Kuala Lumpur, Malaysia

FREE REGISTRATION (Open symposium) on Day 1

Open symposium
Keynote speech 1: Y.B. Mr. Khairy Jamaluddin Abu Bakar
Minister for Youth and Sports, Malaysia
Keynote speech 2: Dr. Juichi Yamagiwa
President, Kyoto University



Dialogue with Minister of Sports and Youth, Malaysia

Kyoto-ASEAN Forum 2016
WINDOW to ASEAN: International and Innovative
-Exploring New Horizons in Collaborations between ASEAN and Kyoto University



Japan Science Technology Agency



Ministry of Education, Culture, Sports, Science and Technology (MEXT)



JASTIP HQ
in Bangkok, Thailand

2017's Action Plan in Sharing and Networking

● ASEAN framework for STI research

- ◆ To develop substantial mechanism with surveys in terms of sharing knowledge, financial and human resources, and space and materials to promote STI research with sharing issues and research agenda in ASEAN.
- ◆ To explore collaborative linkage among ASEAN countries with choosing common and mutually beneficial issues for collective actions of ASEAN. Alternatively, regional framework depending on issues must be considered on loosely-coupled relationship.

Action Plan

- (1) To create new channel among academia and/or non-academic stakeholders via the diplomatic establishments abroad.
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- (3) To explore opportunities of matching on sharing knowledge, financial and human resources, and space and materials.

Capacity Building and Human Development

- Talent Mobility – Brain Circulation System
- Development of Capability – Fostering Innovators and R&D researchers
- Linkage with other related human development activities

Action Plan

- (1) To find out opportunities to discuss issues as symposium or workshop on STI human development with related organizations and stakeholders.
- (2) To promote the student mobility for reeducation and skill up for ASEAN people including non-academia stakeholders.

Activities on Capacity Building and Human Development

- ◆ Human Development Activities in each Environment and Energy, Bioresources and Biodiversity, and Disaster Prevention field.
- ◆ JASTIP has started collaboration with Japanese Embassy in Thailand for **Industrial Human Resource Development program**.
- ◆ **Collaboration event with JSPS** on Oct. 18th.
Japan Society for the Promotion of Science (JSPS) organized a promotion event "Sharing information about research opportunity in Japan" in NSTDA.
- ◆ On 21 to 23 Sep, **ASEAN STI forum 2016**
Prof. Kono JASTIP project leader was invited to a session "Talent Mobility and Policy platform in ASEAN". He introduced JASTIP activity especially for research network within ASEAN and JAPAN related with talent mobility.

Activities on Social Implementation

- To pursue good cases with win-win relationship for both academia and non-academia stakeholders.
- To find out and create appropriate opportunities on concrete theme and scope.
- It is to try to develop and realize good practices on Environment and Energy, Bioresources and Biodiversity, and Disaster Prevention

Action Plan

- (1) To promote collaborations and exchanges with local platforms on STI including Japanese sites.
- (2) To enhance opportunities of matching among academia and non-academia stakeholder depending on issues or themes.

Social Implementation

- ◆ Exhibited to **National Science and Technology Fair 2016**
- ◆ Discussed about the possibility of future collaboration between JASTIP and **funding agencies** such as Thailand Research Fund (TRF) and JST.
- ◆ Discussed with **the matching agencies and centers for Industry-University Cooperation.**
- ◆ Ensure the high quality basic research environment in ASEAN countries collaborate **with specialized trading company** that sells scientific instruments and reagents.
- ◆ Contacted with **some private companies** and some chamber of commerce and industry through **the Japanese Chambers of Commerce network.**



Social Implementation

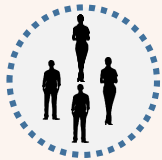
- (1) To explore **the matching mechanism with surveys** for academia and non-academia stakeholders
- (2) To try to **develop and realize good practices** on Environment and Energy, Bioresources and Biodiversity, and Disaster Prevention
- (3) To promote collaborations and exchanges with **local platforms on STI including Japanese sites.**
- (4) To enhance **opportunities of matching** among academia and non-academia stakeholder depending on issues or themes.

Dialogue with non-academic stakeholders

Environment and Energy

Disaster Prevention

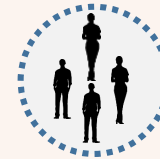
Bioresources and Biodiversity



All-ASEAN SDGs
stakeholders,
private sector



All-ASEAN
universities and
research institutes



Japanese SDGs
stakeholders,
private sector



Japanese universities
and research
institutes

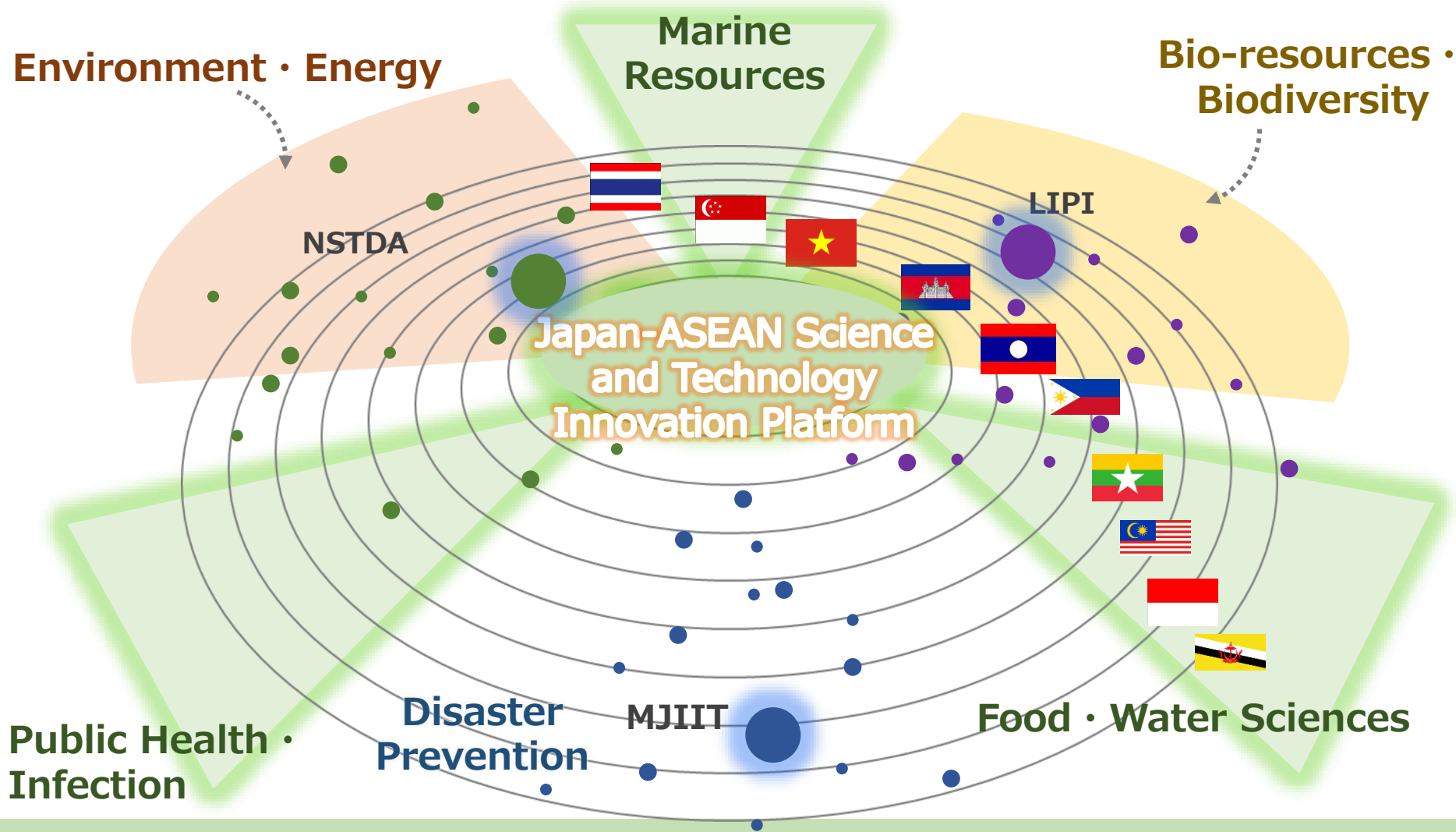
JASTIP-Net

JASTIP-Net: Expanding network

- ◆ Total number of **application: 21 groups**.
New Entrants **are 14 groups**.
- ◆ New research group leaders belong to :
 - 3 Japanese universities (Ehime, Kobe, Tohoku)
 - 4 non-Japanese universities
 - 1 NPO
 - 1 private company

- ◆ Research themes e.g.
 - New engaging way for STI collaboration to the Society in the ASEAN regions.
 - Community renewable energy implementation
 - Development of integrated process for conversion of sugarcane trash to bioethanol
 - ICT use in disaster evacuation of ASEAN citizens

Towards the Next Step



Creating a **Visible Platform** for Japan-ASEAN
STI Collaboration toward SDGs

The space of JASTIP Headquarters office opens to the stakeholders for seminars, workshops, meetings, and video conferences.

Please contact in advance by the following e-mail.

Capacity: 15 persons



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