

# JICA Research & Grant Opportunities



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## What is JICA?

Japan International Cooperation Agency (JICA) is a governmental agency that coordinates and implements official development assistance (ODA) projects for the Government of Japan.

It is chartered with assisting economic and social growth in developing countries, and the promotion of international cooperation.

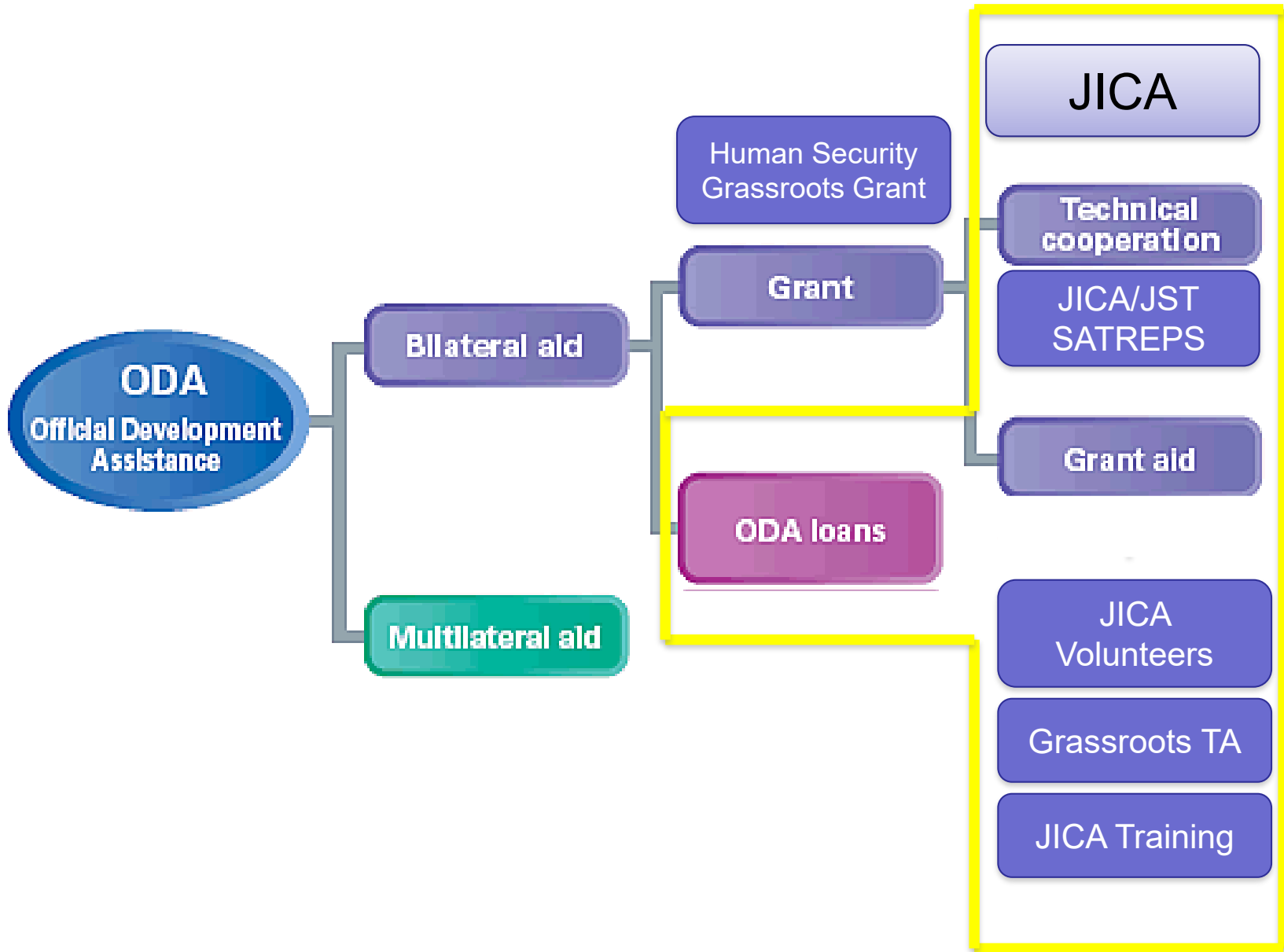


Japan International  
Cooperation Agency

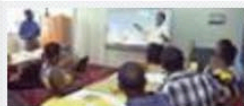


- JICA is not a research funding agency, but do implement G-G projects that involves researchers in Japan and client countries (e.g. SATREPS)

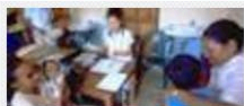
# How JICA supports developing countries



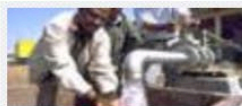
# Thematic issues covered by JICA



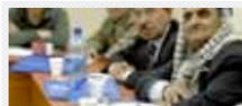
> [Education](#)



> [Health](#)



> [Water Resources](#)



> [Governance](#)



> [Peace-Building](#)



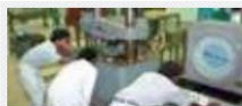
> [Social Security](#)



> [Transportation](#)



> [ICT](#)



> [Energy and Mining](#)



> [Economic Policy](#)



> [Private Sector Development](#)



> [Agricultural/  
Rural Development](#)



> [Natural Environment Conservation](#)



> [Fisheries](#)



> [Gender and Development](#)



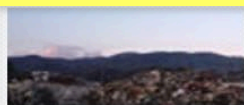
> [Urban/Regional Development](#)



> [Poverty Reduction](#)



> [Environmental Management](#)

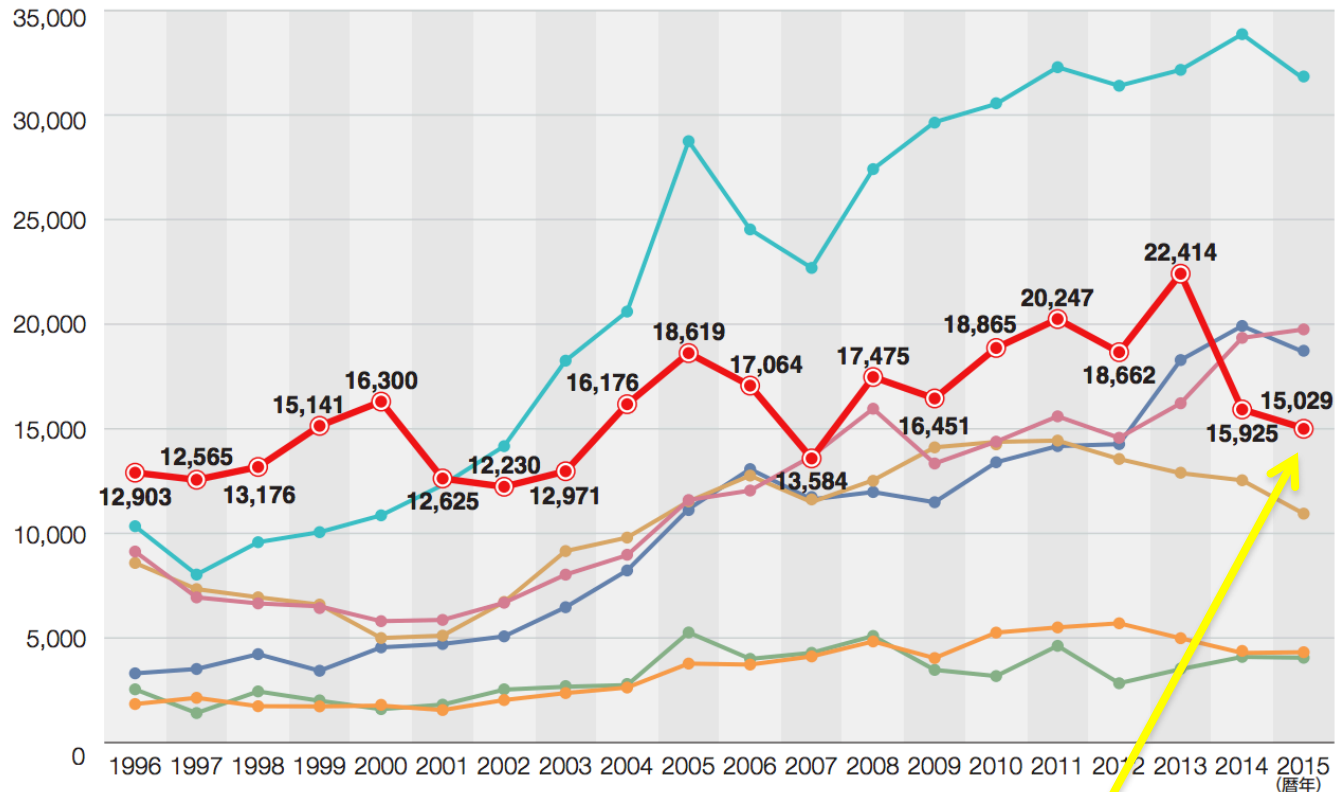


> [Disaster Risk Reduction](#)



> [South-South and Triangular Cooperation](#)

# Assistance in the Asia-Pacific Region

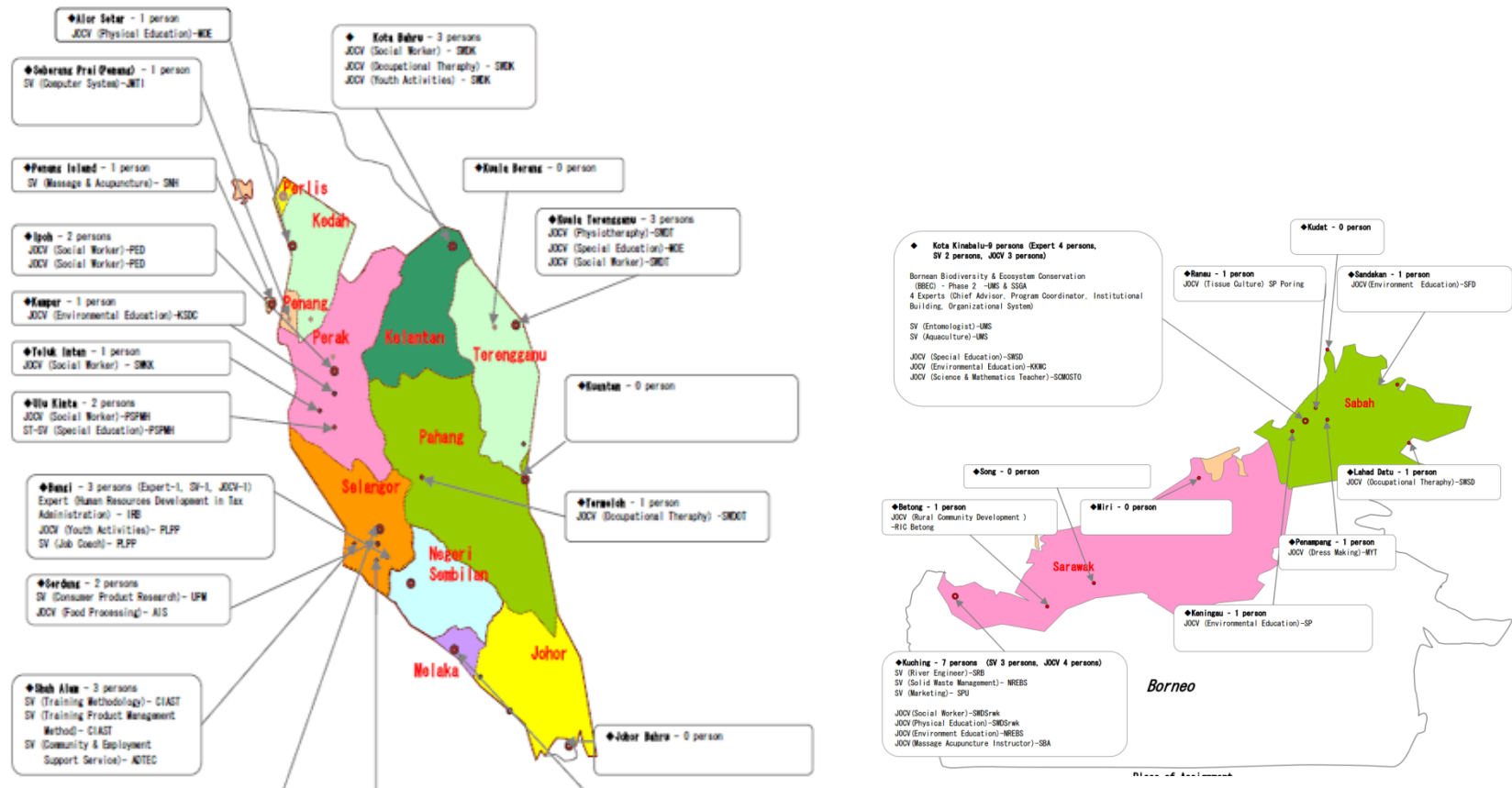


USD15 billion as of 2015

- Historically, 50-60% has been allocated to Asia-Pacific Region
- Malaysia has graduated from receiving ODA grant assistance in 1991 and soft loan assistance in 2009



# Ongoing assistance in Malaysia



Current assistance for Malaysia focus on training for officials in government and industries, environment and social welfare issues

**Kuala Lumpur International Airport (KLIA) was built with funding from Japanese ODA loan in 1994 (MYR 2.4 billion)**



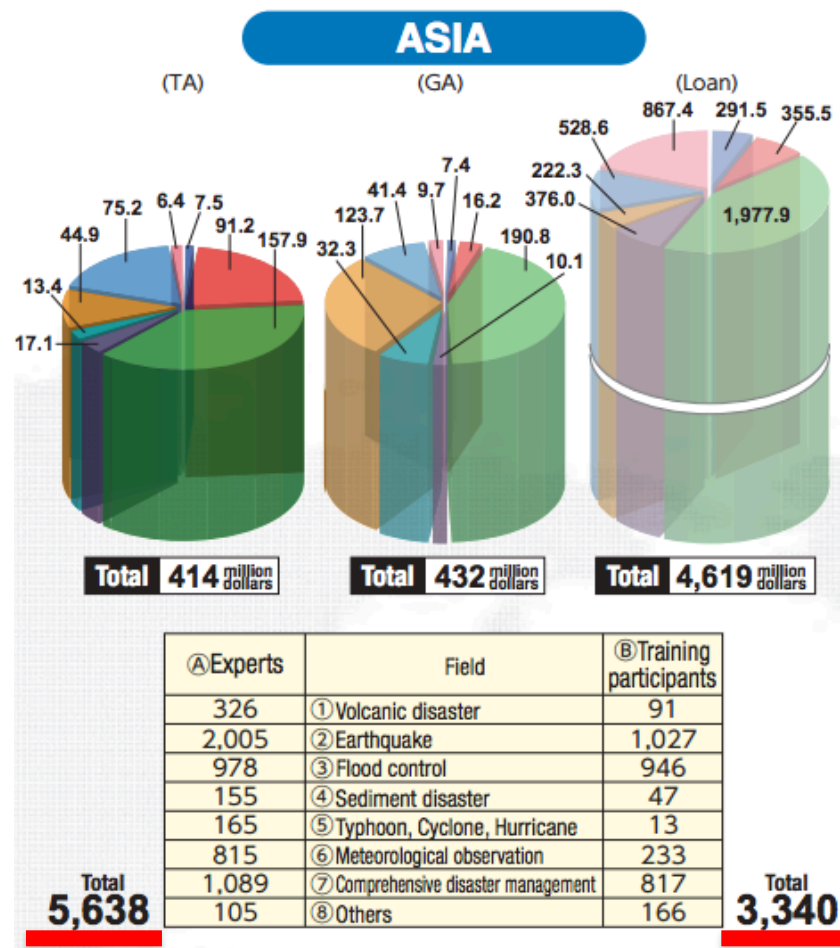


# Assistance in Disaster Risk Reduction

## How does JICA assist in Disaster Management?

Assist partner countries to:

1. Establish and strengthen disaster management system
2. Understand natural disaster risks and promote common Understanding
3. Implement risk reduction measures for sustainable development
4. Enable speedy and effective preparedness and response
5. Help in seamless recovery and reconstruction after disasters for building disaster resilient society

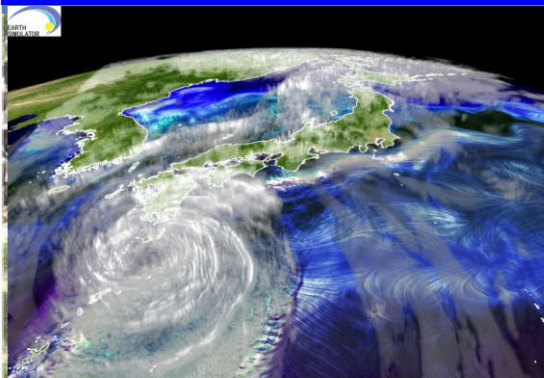


# Building disaster resilience by combining hard & software measures

Community Based Disaster Risk Reduction



Hazard Mapping  
Climate Change Modeling



DRM Planning and Financing



DRM Facilities Training



Infrastructure Development



Emergency Relief  
Recovery Support



# Malaysia Japan Institute of Technology (MJIT)

USD 60 mil ¥ loan –state of the art facilities, consultancy service and coupled with technical assistance

A G-G Project aimed to set up an educational Institute in Malaysia offering Japanese Style Engineering Education

Set up in 2010 in UTMKL and the first intake of Students in September 2011

Continuous Support from both Government of Malaysia and Government of Japan

A part of Malaysian Government Initiatives for Look East Policy

Tagline

“Engineering the Nation with Precision for Sustainable Development”

research

Missions

- Providing **Japanese style engineering education** blended with Malaysia distinctiveness for sustainable industry and society
- Leading in **academic and research excellence** in Electronics, Precision, Environmental & Green Engineering and Management of Technology



# Establishment of DRM Program at MJIT



**2014 Malaysian Floods**  
Historical flood disaster killing 21 and affecting more than 200,000 residents



**Global frameworks adopted in 2015**  
Sendai Framework for DRR, SDGs, Paris Agreement – Japan pledges to support Malaysia

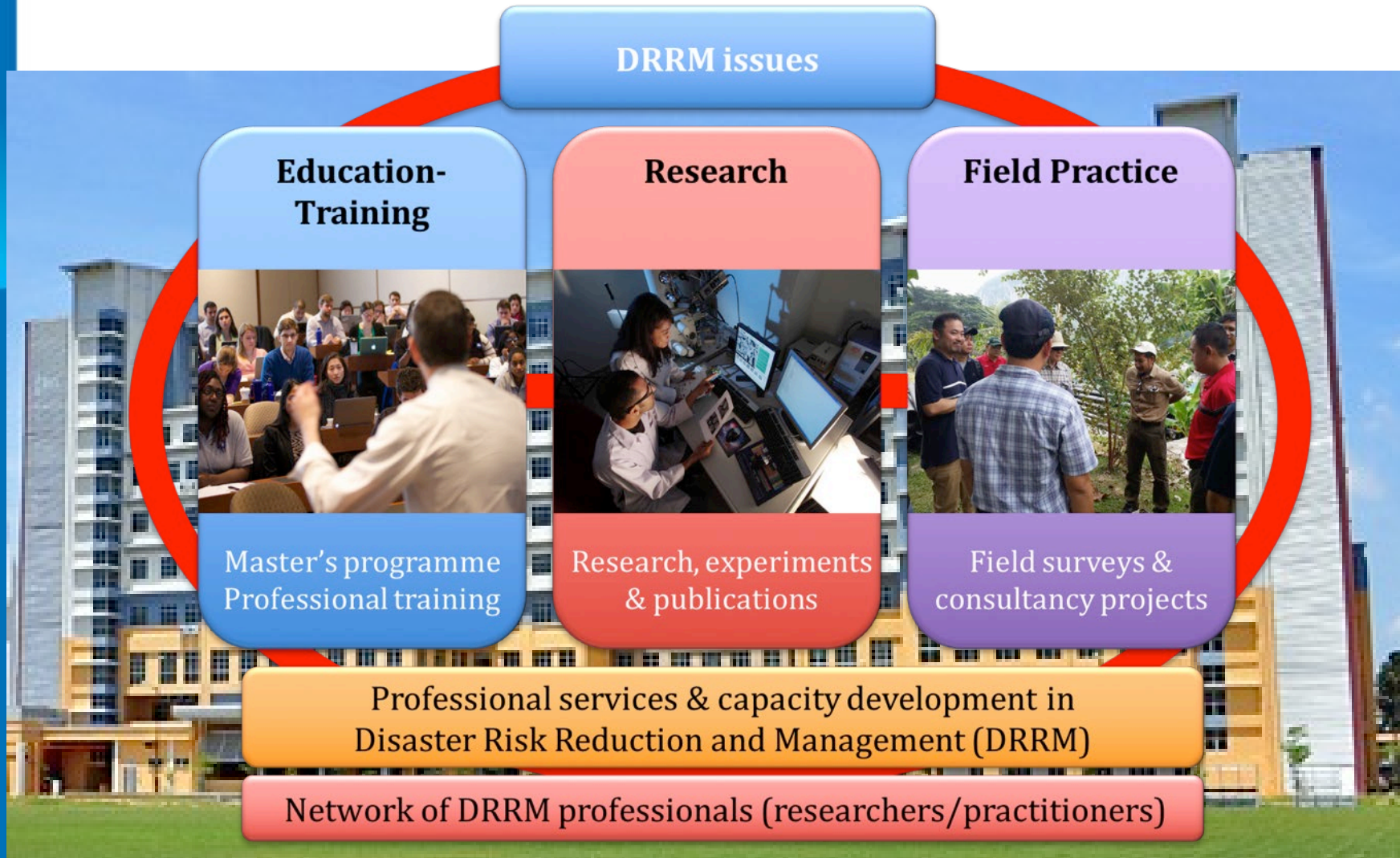


**Implementation of MJIT DRM Program 2016**  
DRM Program starts - highlighted by Master of Disaster Risk Management (MDRM) program

**DISASTER RISK MANAGEMENT SUBCOMMITTEE**

**Establishment of DRM Sub Committee 2015**  
8 leading Japan research institutes to support MJIT to partner with DRM organizations/practitioners





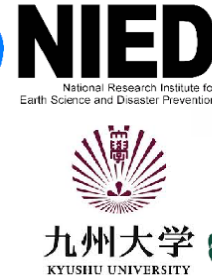
## Objectives:

- Train & build network of DRR organizations and professionals
- Provide scientific information to plan & implement DRRM measures

# Networks with Japanese and Asia-Pacific Partners in DRR



Learning from prominent Japanese experts in DRM  
**Master of Disaster Risk Management (MDRM)**  
**& Certified Professional Training (CPT)**





# Learning about Japan with JICA training programs

↓ Training in Japan for UTM students and faculty members with DRM agency officials



↑ Community engagement program in Rantau Panjang, Kelantan using CBDRM tools from Japan



# Linking with key DRM stakeholders through JICA support

Meeting with Deputy Prime Minister Datuk Seri Wan Azizah at Asian Ministerial Conference on DRR, Ulaanbaatar Mongolia (July 2018)



Meeting with prominent DRM researchers at the Global Forum on Science and Technology for Disaster Resilience in Tokyo Japan (November 2017)





## JICA Partnership Program (JPP)

**Project for Strengthening the disaster risk reduction capacity to improve the safety and security of communities by understanding disaster risks (SeDAR Project) – Selangor State, Tohoku University, Sendai City, MJIT/UTM**

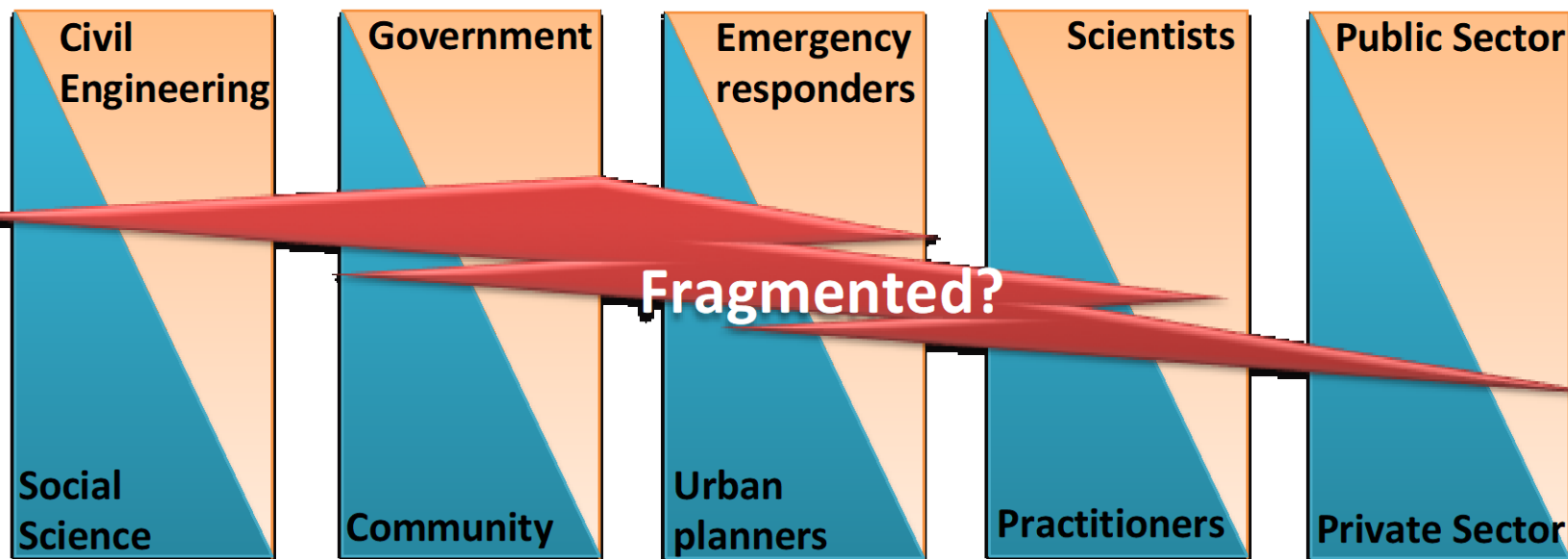
### Objectives:

1. Local disaster **risks are understood** by DRR-related departments in the Selangor state and the targeted communities;
2. DRR **awareness programs** are conducted **by DRR-related departments and community leaders**;
3. Community-led **DRR model activities** are implemented **by DRR-related departments and communities**





## **Transdisciplinary Approach (TDA) for DRM**



*Possibly leading to:*

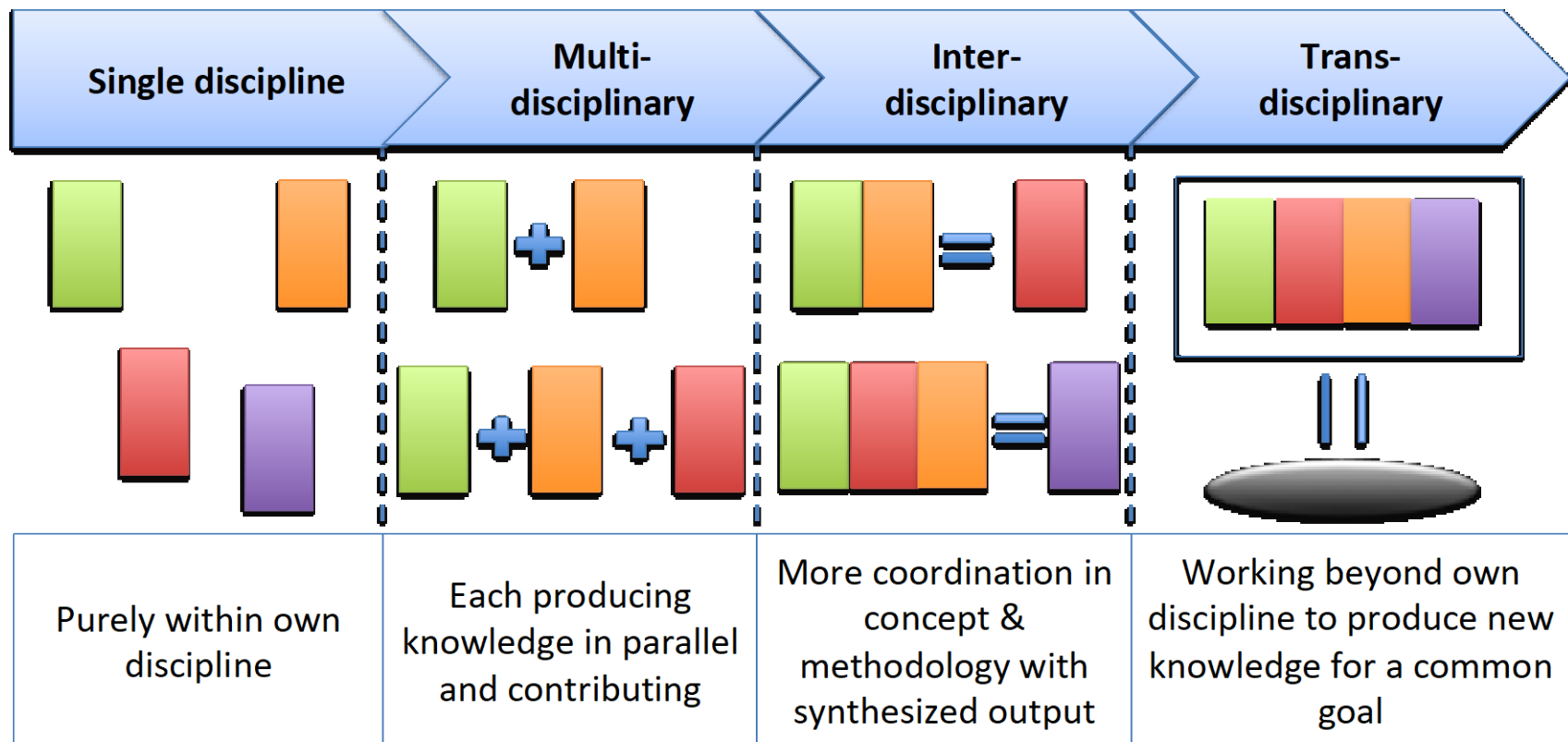
- Irrational decision making process based on unfairness, corruption, poor judgment, etc.
- Unnecessary overlaps in efforts – inefficiency in utilizing financial, human, knowledge resources – lack of synergies
- Over reliance either on technology (e.g. engineering) or past experience

*An approach to achieve a common societal goal, by all players and stakeholders at all levels of all related disciplines (natural, social and humanity sciences) and sectors (public, private, academia and civil) working together, going beyond the limit of disciplinary knowledge and sectoral capacities by creating innovative means, and making holistic and transformative solutions possible (Takeuchi, 2017)*

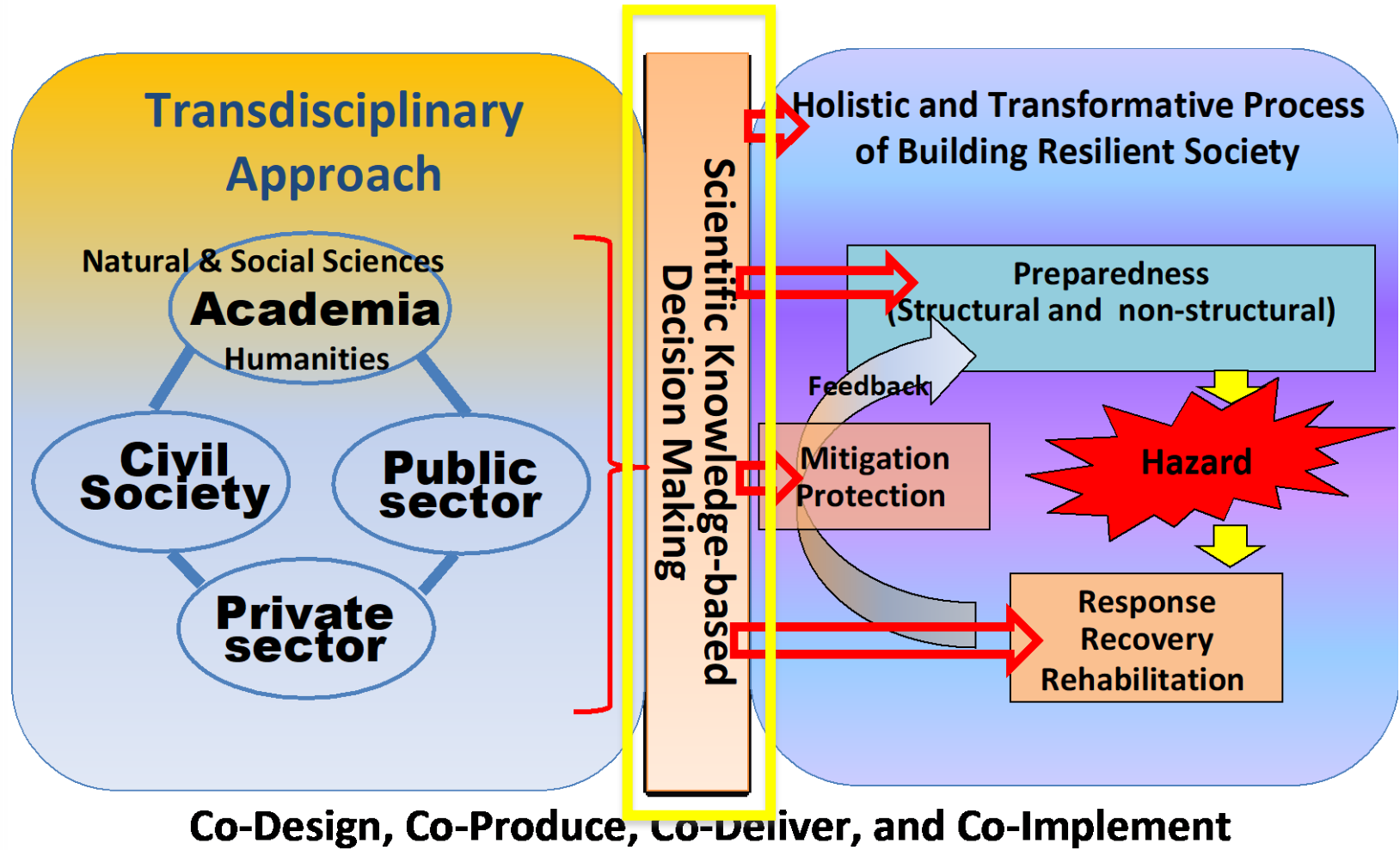
- **Scientific knowledge-based decision making** for DRM can help societal transformation through transdisciplinary approach
- **Decision making based on scientific evidence** can enhance transparency that will help institutions and people act with honesty, integrity and fairness.



# Defining Transdisciplinary Approach (TDA)



(adopted from Ismail-Zadeh, 2016)



Source: TC21 Transdisciplinary Approach for Building Societal Resilience to Disasters, Asian Civil Engineering Coordinating Council (ACECC)

# Opportunities for funding from Japan

## SATREPS



**THE TOYOTA FOUNDATION**



## JSPS



**AUN/SEED-Net**



Promoting International exchange, International cooperation, International understanding.

**THE SASAKAWA PEACE FOUNDATION**

## By organization type

|                          |  |
|--------------------------|--|
| Government               | MEXT, JSPS, JICA, Japan Foundation     |
| Non-profit organizations | Sasakawa Foundation, Nippon Foundation |
| Private sector           | Sumitomo, Toyota, Mitsubishi, etc.     |

## By activities

|                        |  |
|------------------------|--|
| Research grant         | For ASEAN countries, with Japanese partners              |
| Seminars/Workshops     | International workshops (usually with Japanese partners) |
| Attachments/internship | To Japanese universities, companies, etc.                |



## Science and Technology Research Partnership for Sustainable Development (SATREPS) – joint funding scheme by JICA and JST

### 1. International Cooperation

Enhancing international cooperation in science and technology between Japan and developing countries

### 2. Addressing Global Issues and Advancing Science

Acquiring new knowledge and technology that lead to the resolution of global issues and the advance of science and technology, and through this process, creating innovations

### 3. Capacity Development

Boosting self-reliant research and development capacity in developing countries through international joint research, constructing sustainable research systems that can contribute to resolving issues, coordinating networking between researchers, and training future human resources in developing countries and in Japan.

- Need partner institution(s) in Japan and high profile team members
- Budget about RM 4 million per year
- First deadline by MoE around September every year
- Usually requires prior groundwork and several applications

## Japan Society for the Promotion of Science (JSPS) Core-to-Core Program – funding under auspices of MEXT

### Objectives:

Network building of Japanese and international researchers through joint research, workshops and exchange of staffs, capacity building of young researchers

### Targeted Research Fields:

Research topics considered to be cutting-edge and internationally important in Japan. (All fields of the humanities, social sciences and natural sciences.)

- Initiated and applied by Japanese institution with 2 overseas partner institutions
- Budget about RM 700K per year
- Matching fund may be required from partner institutions

## Nippon Foundation (non-profit philanthropic organization)

### 1. Improvement of Basic Human Needs

Initiatives to assist people throughout the world to meet their basic human needs, and to contribute to the improvement of human welfare through programs in such areas as healthcare, support of disabled persons and those who are socially vulnerable, agricultural development, population issues, community development, refugee aid, and disaster relief. Projects comprising novel ideas, approaches, and technology, as well as those that involve multilateral undertakings, such as south-south cooperation, will receive higher priority.

### 2. Human Resources Development

Initiatives to foster a new generation of professionals, scholars, and students with a strong potential for future leadership. We support training and educational programs designed and executed by non-profit organizations and institutions of higher education. Our intention is to promote the formulation of an international network of professional people with shared goals and concerns.

### 3. Promotion of International Collaborative Undertakings

Initiatives to foster cooperative approaches that meet the changing needs of the global community. We support cultural, social, and intellectual exchanges and collaborative undertakings which contribute to the development of greater mutual understanding and cooperative mindset in order to bring about social changes.

- Non-profit activities
- Need to address current social issues in the region
- Less priority for basic research – need to be applicable to the society



## Toyota Foundation: Research Grant Program 2017 “Exploring New Values for Society”

|                            |   |
|----------------------------|---|
| Grant Amount (Total)       | 100 million yen (Joint Research Grants: Approx. 80 million yen, Individual Research Grants: Approx. 20 million yen)   |
| Grant Amount (per Project) | (A) Joint Research Grants: Up to around 4 million yen per year  |
|                            | (B) Individual Research Grants: Up to around 1 million yen per year   |
| Grant Periods              | One year or two years, beginning May 1, 2018  |
| Requirements               | No restrictions are placed on proposals with regard to the areas of research or the methods employed; nor is there any limitation with regard to the nationality or place of residence of the project representative or participants, or their affiliation (or lack thereof) with a university, research institute, NPO/NGO, or other organization. |
| Grant Selection            | Formal decisions on the awarding of grants will be made at the Toyota Foundation Board of Directors meetings scheduled to be held in March 2018, based on the deliberations of a selection committee composed of outside experts.   |

- Application eligibility and research topics are flexible, but highly competitive (less than 5% accepted)
- Need to address social issues and innovative ways to solve them

Generally...

- Need good partners in Japan, preferably with existing collaborative records, as some grants requires Japanese institutes to apply (especially for government funding)
- Advantageous to have some knowledge on trending social issues in Japan. Some funders would like to see application of Japanese knowledge and experiences in other countries
- Research that contributes in solving social issues that are replicable
- Need uniqueness and innovation in content

Specifically...

- Some faculty staff are involved in MJIIT's DPPC/MDRM activities in Disaster Risk Management they have:
  - ✓ Access to Japanese university network through Japan University Consortium (JUC)
  - ✓ MDRM Japan Attachment participants have access to JICA's follow-up funding
  
- UTM is a Member Institute (MI) to AUN/Seed-Net which can fund for joint workshops, staff/student exchange and joint research with Japanese and ASEAN MI's.

# ANNEX: List of funding schemes

| Name of scheme      | Contents   | URL   |
|---------------------|--|---|
| JSPS                | Funding for workshops, research attachments and joint research with Japanese Universities                | <a href="https://www.jsps.go.jp/english/index.html">https://www.jsps.go.jp/english/index.html</a>   |
| SATREPS (JICA, JST) | Applied research projects with Japanese university(s)  | <a href="http://www.jst.go.jp/global/english/index.html">http://www.jst.go.jp/global/english/index.html</a>   |
| AUN/Seed-Net (JICA) | Funding for workshops, research attachments and joint research with Japanese and ASEAN universities      | <a href="http://www.seed-net.org/application-forms/">http://www.seed-net.org/application-forms/</a>   |
| Other JICA funds    | Community based projects with Japanese partners (JPP)<br>JICA follow up fund for ex-JICA trainees        | <a href="https://www.jica.go.jp/english/our_work/types_of_assistance/citizen/partner.html">https://www.jica.go.jp/english/our_work/types_of_assistance/citizen/partner.html</a> |
| Japan Foundation    | Activities to deepen understanding of Japan - Asia Center Small Grant for intellectual exchange programs | <a href="https://www.jfkl.org.my/grants/grants-for-arts-studies/small-grant/">https://www.jfkl.org.my/grants/grants-for-arts-studies/small-grant/</a>                           |



# ANNEX: List of funding schemes

| Name of scheme                          | Contents   | URL   |
|---|--|---|
| Sasakawa Peace Foundation               | Projects to promote sustainable development, science & technology and understanding of Japan                   | <a href="https://www.spf.org/e/grants/point.html#link01">https://www.spf.org/e/grants/point.html#link01</a>   |
| Nippon Foundation                       | Project to promote and improve various social issues and promotion of international collaborations             | <a href="http://www.nippon-foundation.or.jp/en/what/grant/application/other_fields/">http://www.nippon-foundation.or.jp/en/what/grant/application/other_fields/</a>                     |
| Toyota Foundation                       | Any issues based on set theme every year (e.g. 2017 - “Exploring New Values for Society”)                      | <a href="https://www.toyotafound.or.jp/english/research/2017/">https://www.toyotafound.or.jp/english/research/2017/</a>   |
| Sumitomo Foundation                     | Basic science research, environmental research, etc.   | <a href="http://www.sumitomo.or.jp/e/">http://www.sumitomo.or.jp/e/</a>   |
| Konosuke Matsushita Memorial Foundation | Research activities of social, academic and international needs in the areas of humanities and social sciences | <a href="http://matsushita-konosuke-zaidan.or.jp/en/works/research/promotion_research_01.html">http://matsushita-konosuke-zaidan.or.jp/en/works/research/promotion_research_01.html</a> |

# ASEAN University Network/Southeast Asia Engineering Education Development Network (AUN/SEED-Net)

## Network of 40 Engineering Universities in ASEAN and Japan

**10 ASEAN countries**  
26 Member Universities

**Japan**  
14 Supporting Universities

- University of Yangon
- Yangon Technological University

- National University of Laos

- Hanoi University of Science and Technology
- Ho Chi Minh City University of Technology

- Chulalongkorn University
- King Mongkut's Institute of Technology Ladkrabang
- Burapha University
- Kasetsart University
- Thammasat University

- Institute of Technology of Cambodia

- Universiti Sains Malaysia
- Universiti Malaya
- Universiti Putra Malaysia
- Universiti Teknologi Malaysia

- National University of Singapore
- Nanyang Technological University

- University of the Philippines - Diliman
- De La Salle University
- Mindanao State University Iligan Institute of Technology

- Universiti Brunei Darussalam
- Institut Teknologi Brunei

- Institut Teknologi Bandung
- Universitas Gadjah Mada
- Institut Teknologi Sepuluh Nopember
- Universitas Indonesia

- Hokkaido University
- Keio University
- Kyoto University
- Kyushu University
- Nagoya University
- National Graduate Institute for Policy Studies
- Osaka University
- Shibaura Institute of Technology
- Tohoku University
- Tokai University
- Tokyo Institute of Technology
- Toyohashi University of Technology
- University of Tokyo
- Waseda University

**MJIT is regional DRM hub for AUN/SEED-Net**

# JASTIP Joint Laboratories for Research Activities

Researchers from all ASEAN and Japan



Community Initiative  
Research for SDG

Joint lab  
Environment · Energy

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



Japan-ASEAN Joint Research  
to Achieve SDGs

Disaster Prevention

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



Joint lab

Bio-resources ·  
Biodiversity

Joint lab

Disaster Prevention X Biodiversity

Research into prevention of peat bog fires for  
biodiversity conservation and ecological restoration

Bio-resources · Biodiversity  
Indonesian Institute of  
Sciences (LIPI)





# THE 5th JASTIP SYMPOSIUM

- Disaster Risk Reduction & Environmental Sustainability for Social Resilience -

16 - 19 October 2018

Sama-Sama Hotel, Kuala Lumpur, Malaysia

## OBJECTIVES

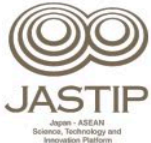
- The 5th Japan-ASEAN Science, Technology and Innovation Platform (JASTIP) Symposium brings together researchers and other experts in the field of Energy and Environment, Bioresources and Biodiversity and Disaster Prevention from Japan and ASEAN countries to share research and field practices to facilitate and realize collaborative activities that contribute to regional sustainable development.
- With the theme, “Disaster Risk Reduction and Environmental Sustainability for Social Resilience,” this symposium doubles as a series of the 4th JASTIP WP4 Symposium on Disaster Prevention International Cooperation Research.
- The symposium also invites local stakeholders to showcase and discuss the key issues and practices observed in Malaysia.





**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

Malaysia-Japan  
International  
Institute of Technology  
(MJIT)



**JAPAN-ASEAN SCIENCE, TECHNOLOGY AND INNOVATION  
PLATFORM (JASTIP) JOINT SYMPOSIUM 2018**

<http://mjiit.utm.my/conference2018/jastip-2018>

# 1<sup>ST</sup> PUBLIC-PRIVATE-ACADEMIA PARTNERSHIP (PPAP) MEETING FOR DISASTER RISK REDUCTION (DRR)

*"Facilitating DRR Partnership with the Private Sector in Malaysia"*



**Thank you for your attention!**

