

# Cooperation between MJIT and Japanese Universities

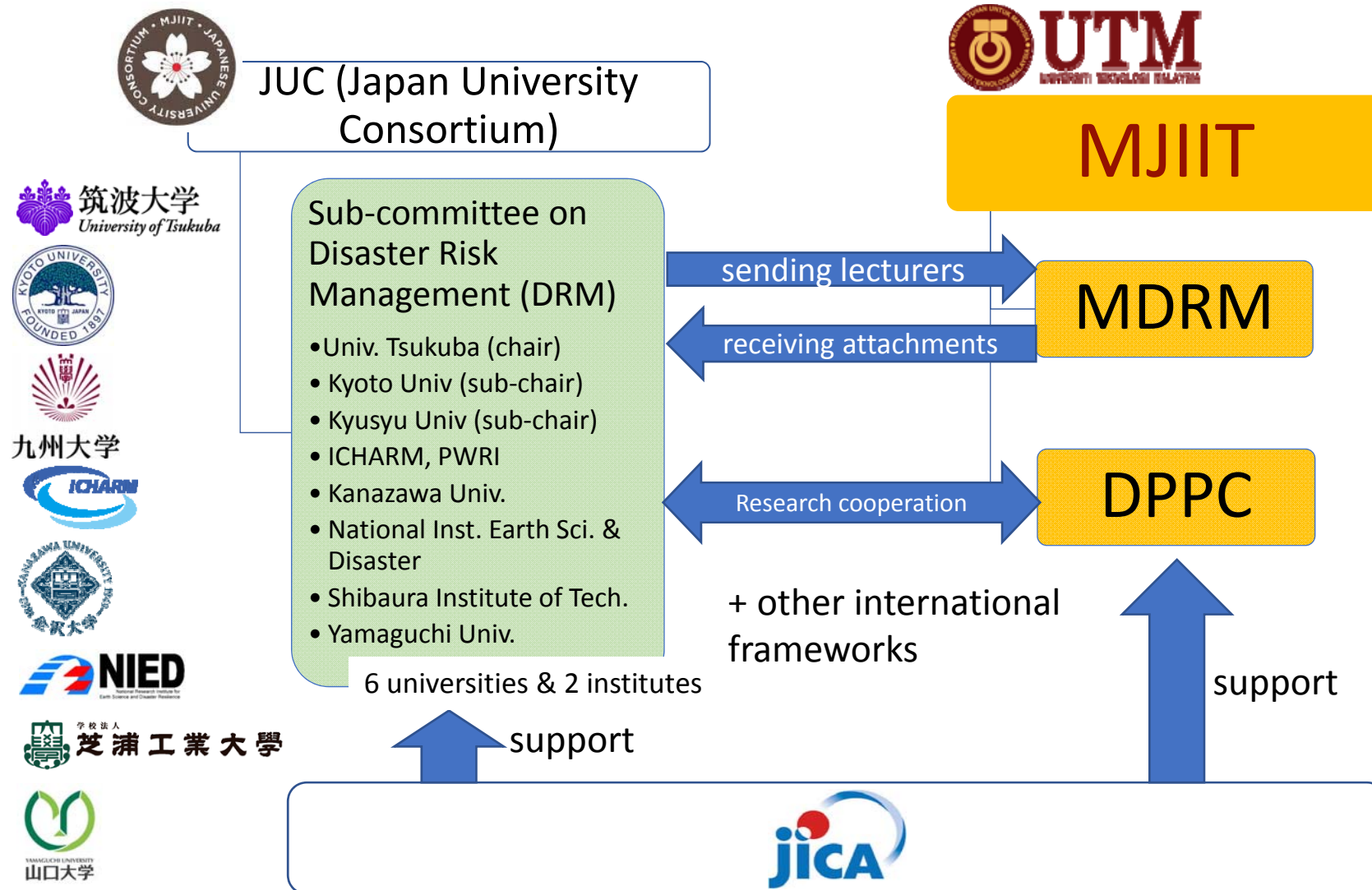
Jun Asanuma

CRiED, U. Tsukuba

On behalf of JUC, DRM subcommittee  
for MJIT

Some slides are prepared for JICA mid-term evaluation by  
MDRM professors and staffs

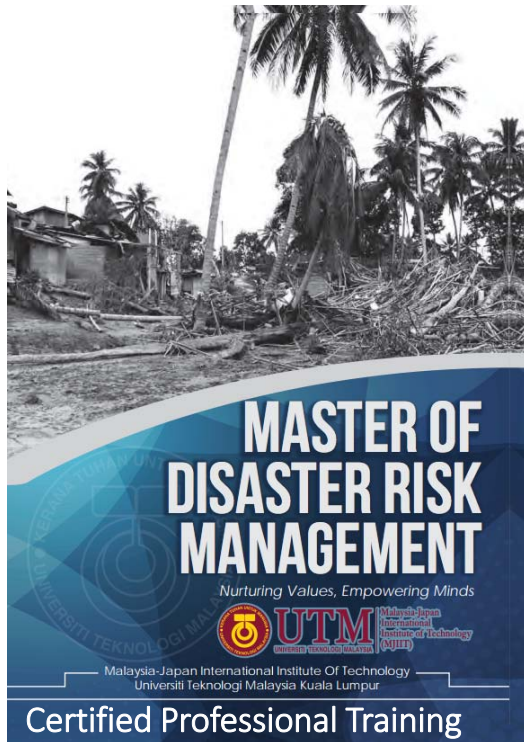
# JUC's supports to MDRM & DPPC



# MASTER OF DISASTER RISK MANAGEMENT (MDRM)

*MDRM @ MJIT UTM KL is the first Master's degree in disaster risk management in Malaysia that is taught by both Japanese and Malaysian DRM experts.*

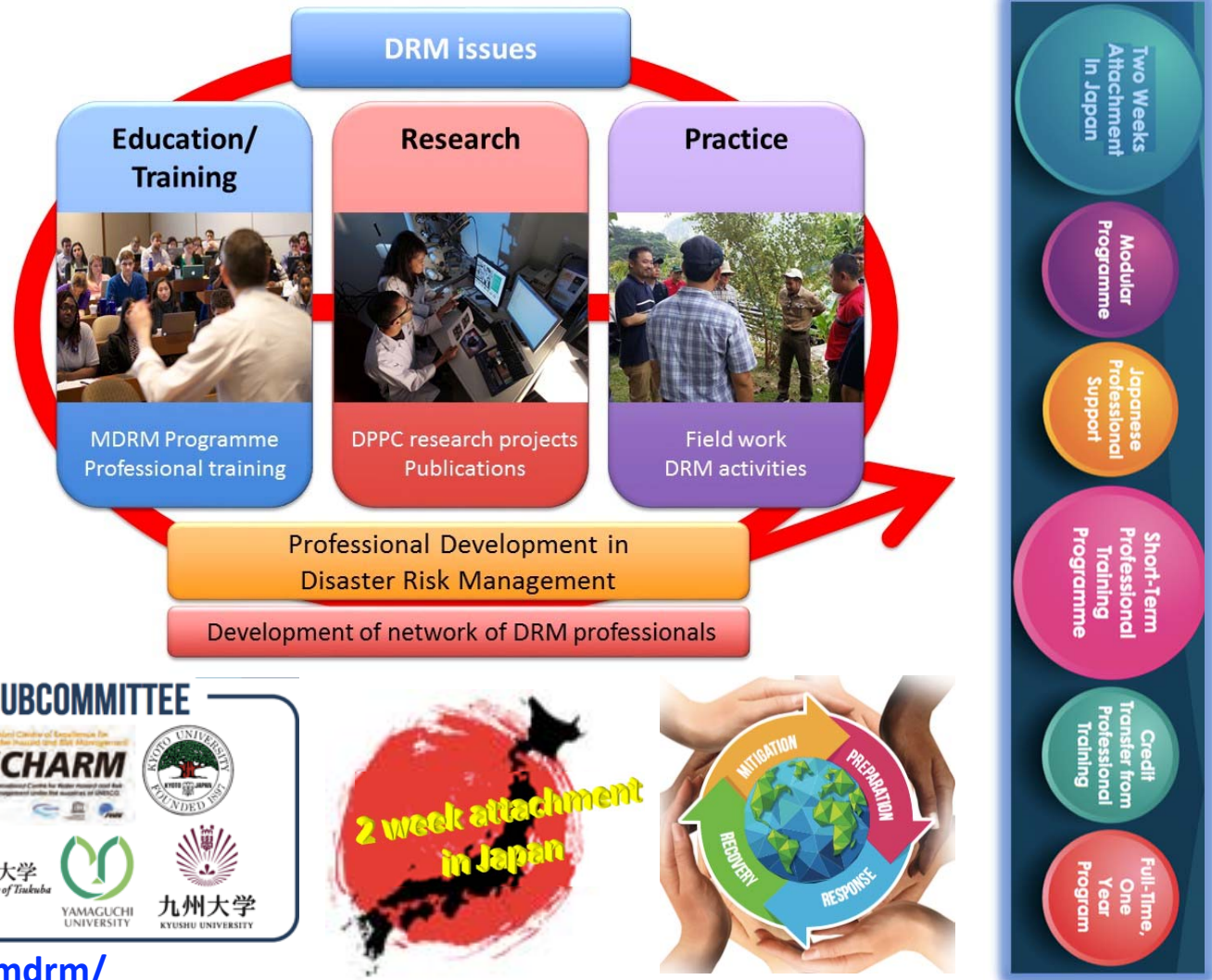
**Facilitating Disaster Risk Reduction in Asia through Training – Research – Field Practice**



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# Advertising & Networking MDRM



## 2 August 2016 Open Day and Master of Disaster Management (MDRM) Seminar



### UTM tawar Sarjana Pengurusan Risiko Bencana

**KUALA LUMPUR 2 Ogos** - Seajar dengan hasrat kerajaan mahu menimba pengalaman dan pengetahuan Jepun dalam pengurusan bencana alam, Universiti Teknologi Malaysia (UTM) mewujudkan program Sarjana Pengurusan Risiko Bencana (MDRM) mulai September ini.

Dekan Institut Teknologi Antarabangsa Malaysia-Jepun (MJIT), **Prof. Datin Rubiyah Yusof** berkata, program setahun itu dijalankan dengan kerjasama Agensi Kerjasama Antarabangsa Jepun (JICA).

Menurutnya, pelajar akan didedahkan dengan pelbagai inovasi serta peralatan canggih yang diguna pakai Jepun ketika menghadapi situasi bencana alam khususnya gempa bumi, tanah runtuh dan banjir.

"Kita semua sedia maklum, Jepun merupakan sebuah negara yang sering dilanda bencana. Mereka mempunyai kepa-

karan dan pengalaman luas dalam mengurus mangsa bencana alam termasuk menempatkan semula penduduk serta membangunkan semula kawasan terjejas teruk akibat bencana itu. Ilmu itu boleh kita gunakan pada masa depan," katanya kepada pemberita selepas berucap dalam Seminar Pengurusan Risiko Bencana 2016 dan Hari Terbuka MDRM di sini hari ini.



**RUBIYAH YUSOF**

Antara yang hadir dalam seminar itu, Timbalan Ketua Pengarah Agensi Pengurusan Bencana Negara (NADMA), Mohd. Ariff Baharom dan pakar JICA, Dr. Shohei Matsuura.

MDRM yang mendapat sokongan NADMA merupakan program sepenuh masa dengan menggunakan tenaga pakar pengurusan bencana Malaysia dan Jepun. Para penuntut juga akan berpeluang untuk mengikuti lawatan sambil belajar ke Jepun bagi melihat sendiri pengurusan bencana di situ.

Top left: With over 100 participants, active discussions on DRM were held in the seminar.

Bottom left: The seminar was attended by Prof. Rubiyah Yusof (Dean MJIT), Mohd Ariff Bin Baharom (Deputy Director, NADMA) and officers from Civil Defense Department.

Right: Coverage by local media

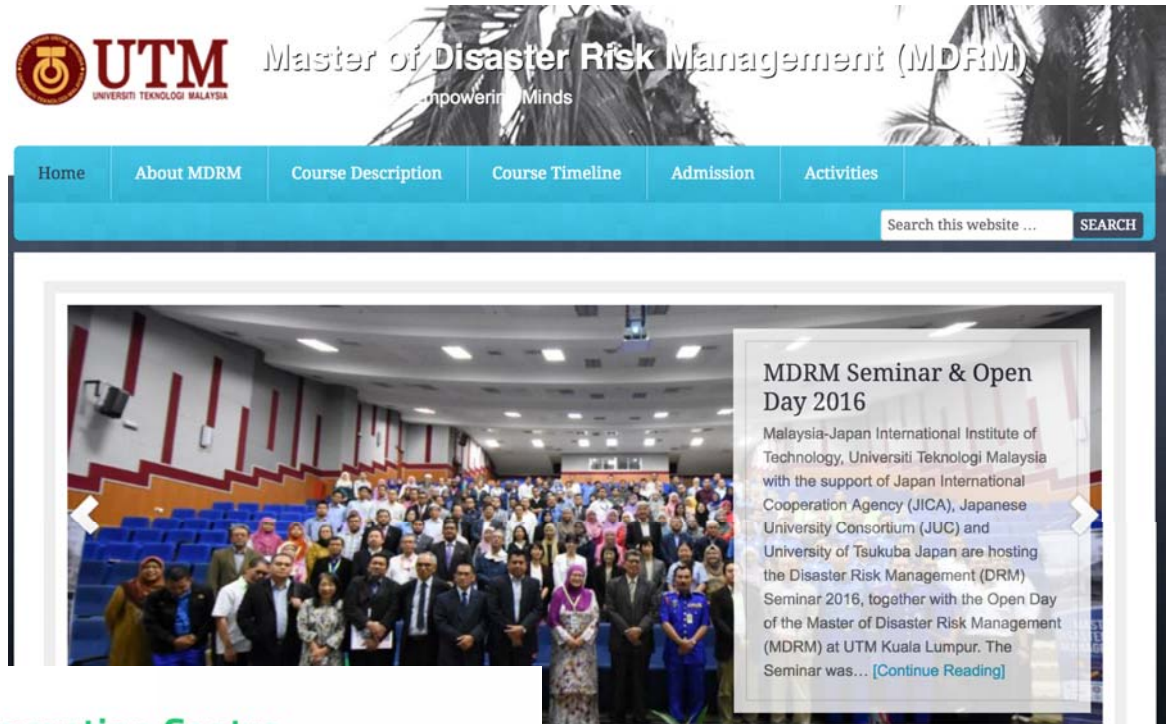


## MDRM/DPPC Website

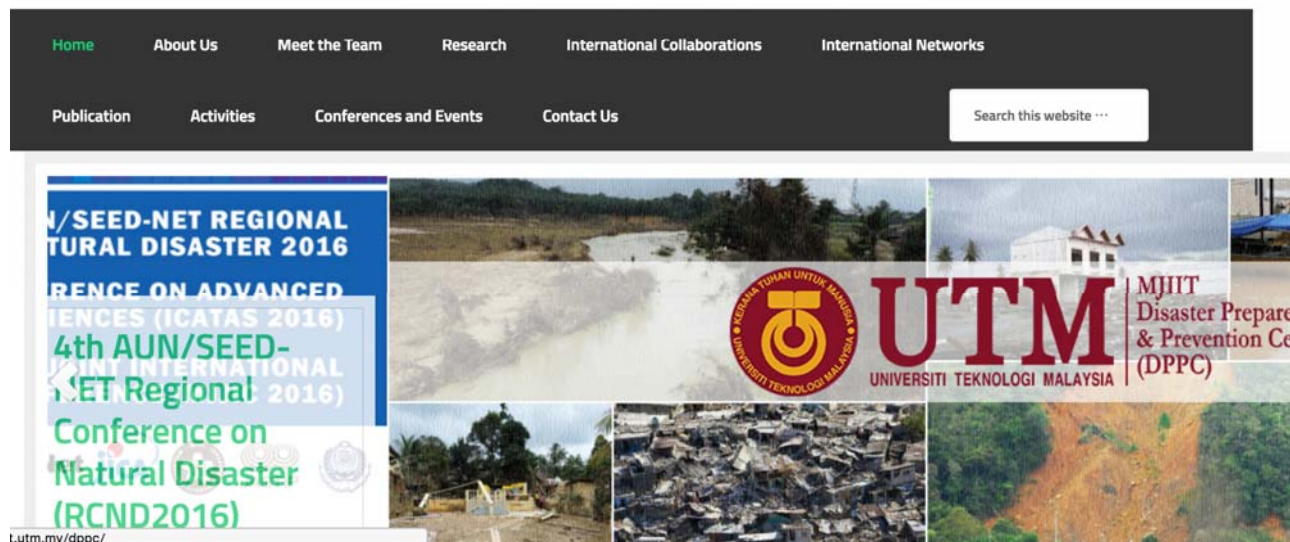
<http://mjiit.utm.my/dppc/>



MALAYSIA-JAPAN INTERNATIONAL INSTITUTE OF TECHNOLOGY, UTM KUALA LUMPUR



<http://mjiit.utm.my/mdrm/>




t.utm.my/dppc/

## 5 August 2016 TV Appearance by MDRM/DPPC members (Astro Awani 501)



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## Master of Disaster Risk Management

TRAINING from [Universiti Teknologi Malaysia](#)

Registration deadline: 29 Aug 2016 — Training date: 05 Sep 2016 to 31 Aug 2017 — [More Information](#)

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### INTRODUCTION:

This master program initiated by Malaysia-Japan International Institute of Technology (MJIT) of Universiti Teknologi Malaysia (UTM) in Kuala Lumpur is the first Master's degree in Disaster Risk Management in Malaysia that is taught by both Japanese and Malaysian DRM experts. It aims to develop highly-skilled human resources who can be leaders in the field of disaster risk management. This program is designed mainly for entry to mid-career professionals for them to expand and upgrade their knowledge and skills in disaster risk management. This is a one-year full time program covering

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Serving the information needs of the disaster reduction community.

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### ACADEMIC PROGRAMME

## Master of Disaster Risk Management

MAIN ORGANIZATION(S): [MALAYSIAN UNIVERSITY OF TECHNOLOGY \(UTM\)](#)

### Degree/Diploma/Certificate

Master of Disaster Risk Management (MDRM)

### Description

#### Introduction

This master program initiated by Malaysia-Japan International Institute of Technology (MJIT) of Universiti Teknologi Malaysia (UTM) in Kuala Lumpur is the first Master's degree in Disaster Risk Management in Malaysia that is taught by both Japanese and Malaysian DRM experts. It aims to develop highly-skilled human resources who can be leaders in the field of disaster risk management. This program is designed mainly for entry to mid-career professionals for them to expand and upgrade their knowledge and skills in disaster risk management. This is a one-year full time program covering fundamental principle, technical skills and scientific knowledge related to disaster risk management.



## Branding & Networking

### MDRM Seminar 2016



**MDRM Seminar  
(August)**

### UTM Disaster Risk Reduction (DRR) Forum 2016



**UTM DRR Day  
(October 13)**

### UTM Disaster Risk Reduction (DRR) Day 2016



**UTM DRR Forum  
(November)**



# Program Design

# Offered Courses

**(5 core & 10 elective taught courses)**

## MDRM Core Course

Code	Course title	Course dates
MMJD 1113	Integrated Disaster Management	5 September - 23 September, 2016
MMJD 1123	Disaster Data Management and Forecasting	26 September - 7 October, 2016
MMJD 1133	Control Measures and Mitigation Planning	10 October - 21 October, 2016
MMJD 1143	Emergency Response Planning and Communication	14 November - 25 November, 2016
MMJD 1153	Recovery and Reconstruction Management	28 November - 6 December, 2016

MMJP 1113	Research Methodology	05 September - 16 December 2016*
MMJP 1123	Quantitative Data Analysis for Disaster Management	13 February - 24 February 2017

MMJD1266	Project 1	
MMJD1266	Project 2	

## MDRM Elective Course (subject to change)

Code	Course title	Course dates**
MMJD 1213	Control Measures for Land Slides and Debris Flow	27 February - 10 March 2017
MMJD 1223	Flood Forecasting and Hazard Mapping	13 March - 24 March 2017
MMJD 1233	River Channel and Irrigation Design	27 March - 7 April 2017
MMJD 1243	Geo Information in Disaster Risk Assessment	10 April - 21 April 2017
MMJD 1253	Flood Hydraulics and Mechanics of Sediment Transportation	24 April to 5 May 2017
MMJD 1263	Disaster Education and Preparedness	8 May - 19 May 2017
MMJD 1273	Community and Social Resilience	22 May - 2 June 2017
MMJD 1283	Public Health Policy and Management	5 June - 16 June 2017
MMJD 1293	Healthcare in Emergencies and Rehabilitation	19 June - 30 June 2017
MMJD 1203	Disaster Psychology	03 July - 14 July 2017

\* will be decided later.

\*\* subject to amendment



The program started in  
Sep. 2016

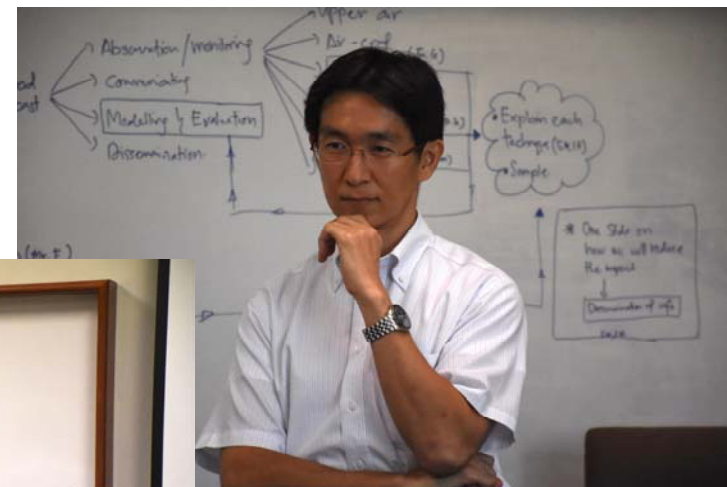
## Core Courses

<u>Integrated Disaster Management</u>	5 Sept – 23 Sept 2016
<u>Disaster Data Management and Forecasting</u>	26 Sept – 7 Oct 2016
<u>Control Measures and Mitigation Planning</u>	10 Oct – 21 Oct 2016
<u>Emergency Response Planning and Communication</u>	14 Nov – 25 Nov 2016
<u>Recovery and Reconstruction Management</u>	05 Dec – 23 Dec 2016*



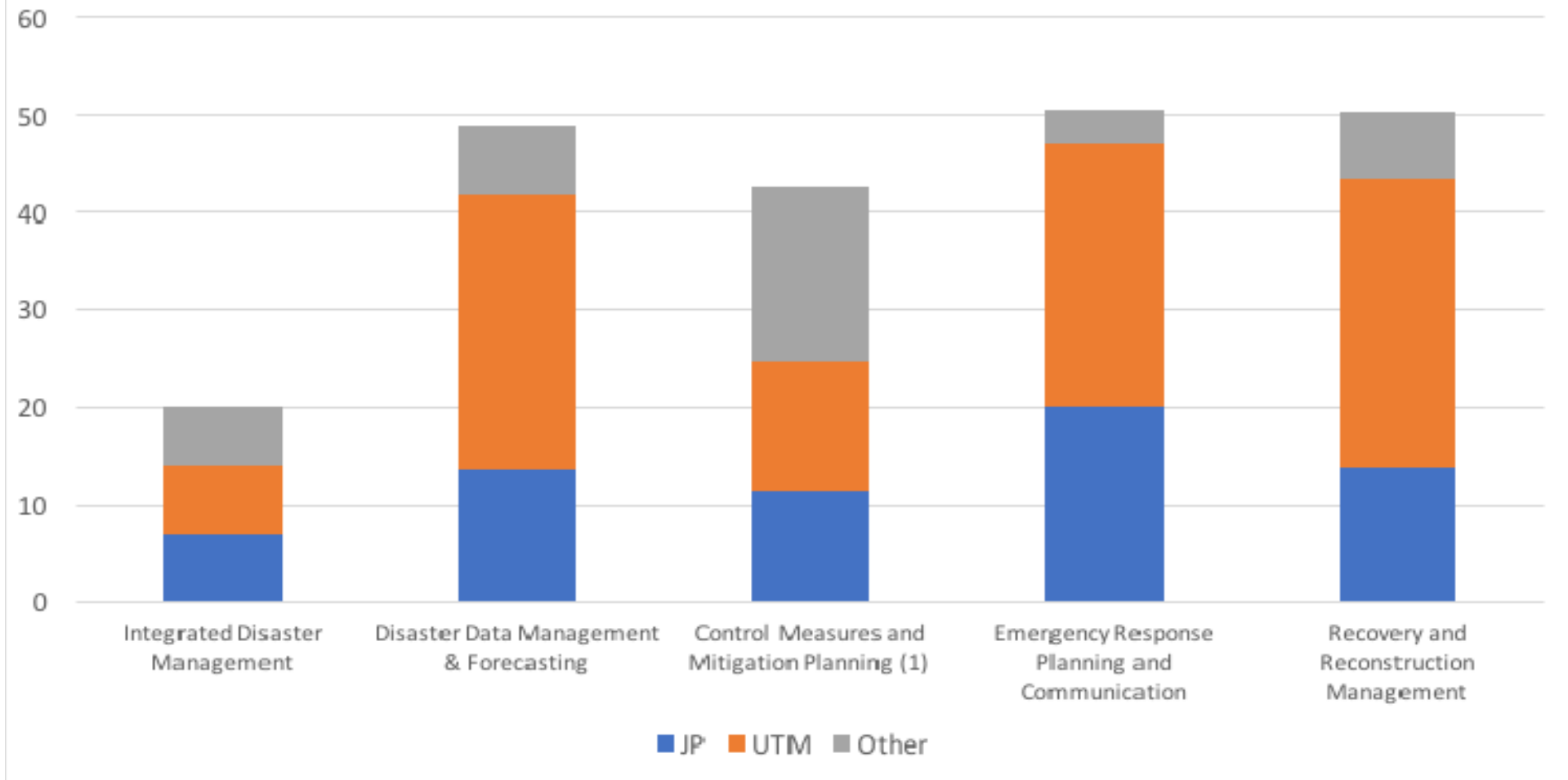
Prof. Emeritus Kuniyoshi Takeuchi  
Yamanashi University and ICHARM

Prof. Kenichi Tsukahara  
Kyushu University



Dr. Koji Dairaku, NIED

## Teaching hours w.r.t affiliation of the teachers: core courses



Theory & universal issues by Japanese teachers & local applications by Malaysian teachers: good practice of classroom for DRM



# What can classroom be?

Conversation w/ a professor

A, “How was teaching a class to students?”

P, “I would say that I came to KL to have opportunities for academic conversation with experienced governmental officers and rescuers who will be at the front when disaster happen.”

# Attachment: possible visits

- Eastern Japan: 1 week
  - Sites of ep. 2015 Heavy rainfall disaster
  - etc.



- Western Japan: 1 week
  - DPRI, Kyoto Univ.
  - etc

# 2015.9 Kanto-Tohoku Heavy Rainfall Disa







From Nikkei Newspaper



by MLIT



from Sankei News



by MLIT



# 2015.9 Kanto-Tohoku Heavy Rainfall Disaster



(関東地方、特に茨城県常総市)

9/9-10 鬼怒川上流域にて550ミリの降雨

常総市内で鬼怒川が破堤、溢水

床上浸水: 約4400戸、床下浸水: 約6000戸

出典: 日経新聞、朝日新聞



# Bank break

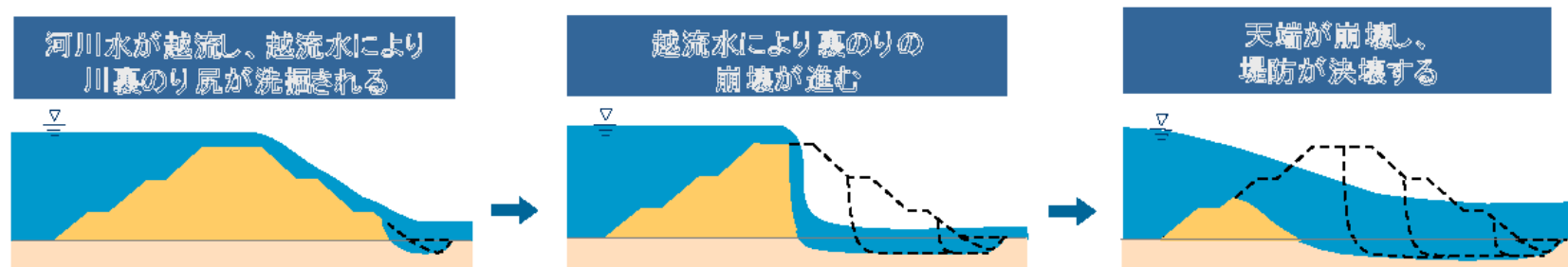


平成 18 年撮影



平成 27 年 9 月 12 日撮影

図 3.7 決壊区間の決壊前後の状況



国土交通省堤防調査委員会報告書より 図 3.1 越水による堤防決壊のイメージ図

Future plan

# Future perspective:

## Activities under JICA support

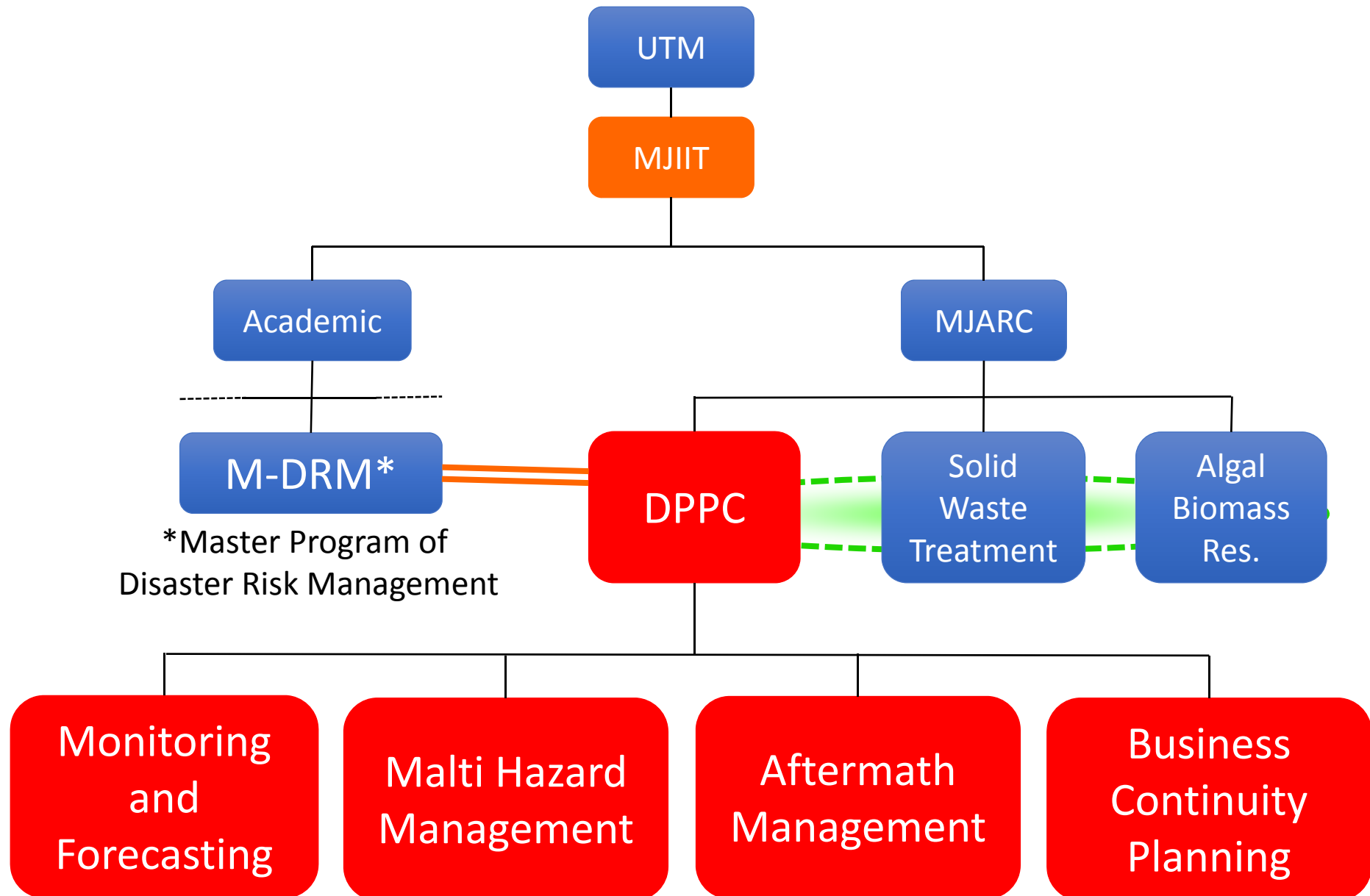
- Current JICA project: Jul., 2013 - Jun, 2018.
  - MDRM started Sep, 2016.-
- Next phase: Jul, 2018 - 2023 is currently under discussion.
  - Principle: Sustainable cooperation beyond 2023.
  - Cooperative research, student exchange with mobility exchange is under discussion



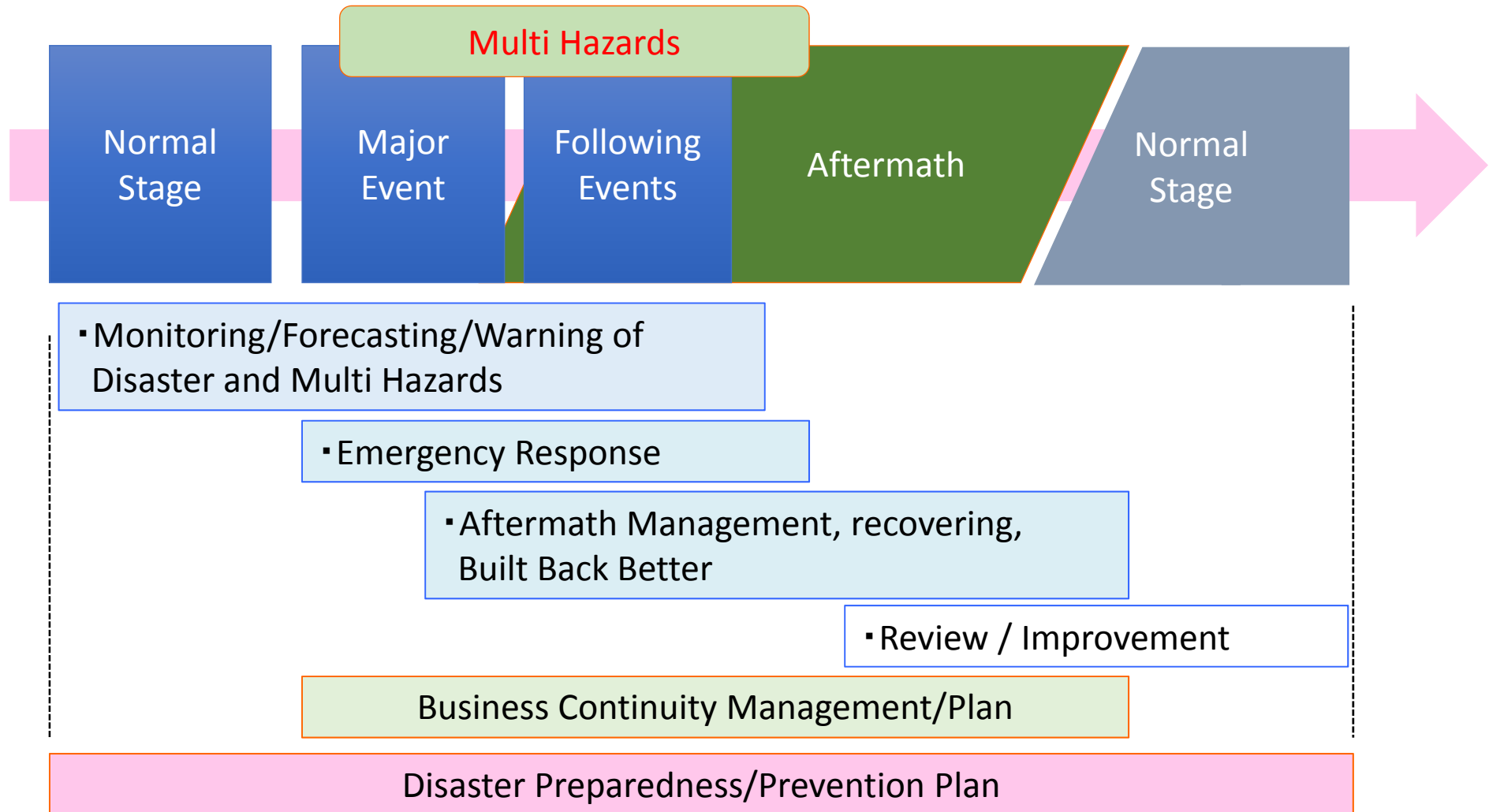


# Research Organization at MJIIT

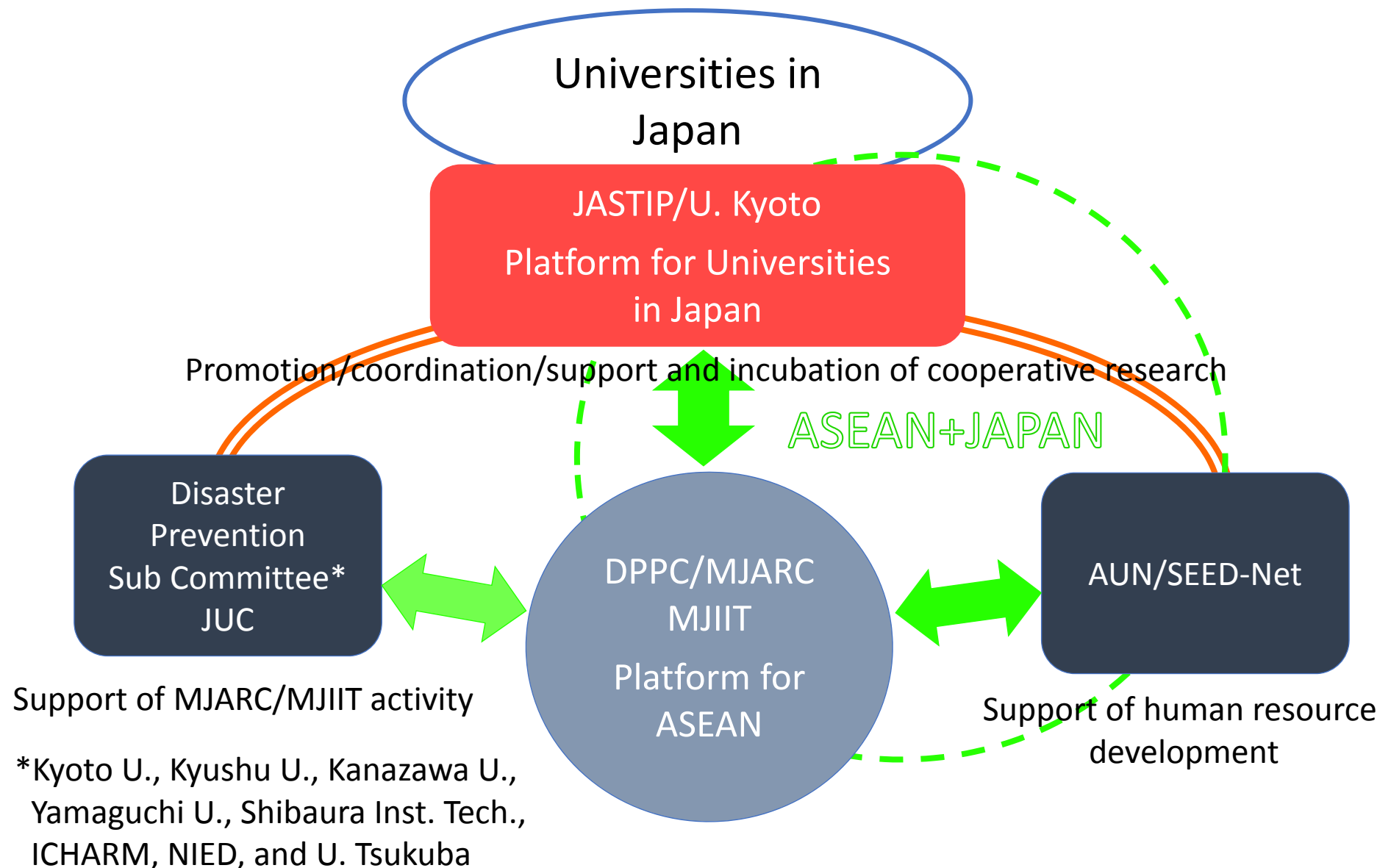
# Organization of DPPC (Disaster Preparedness and Prevention Center)



# Relationship between Every Component of DPPC and Disaster

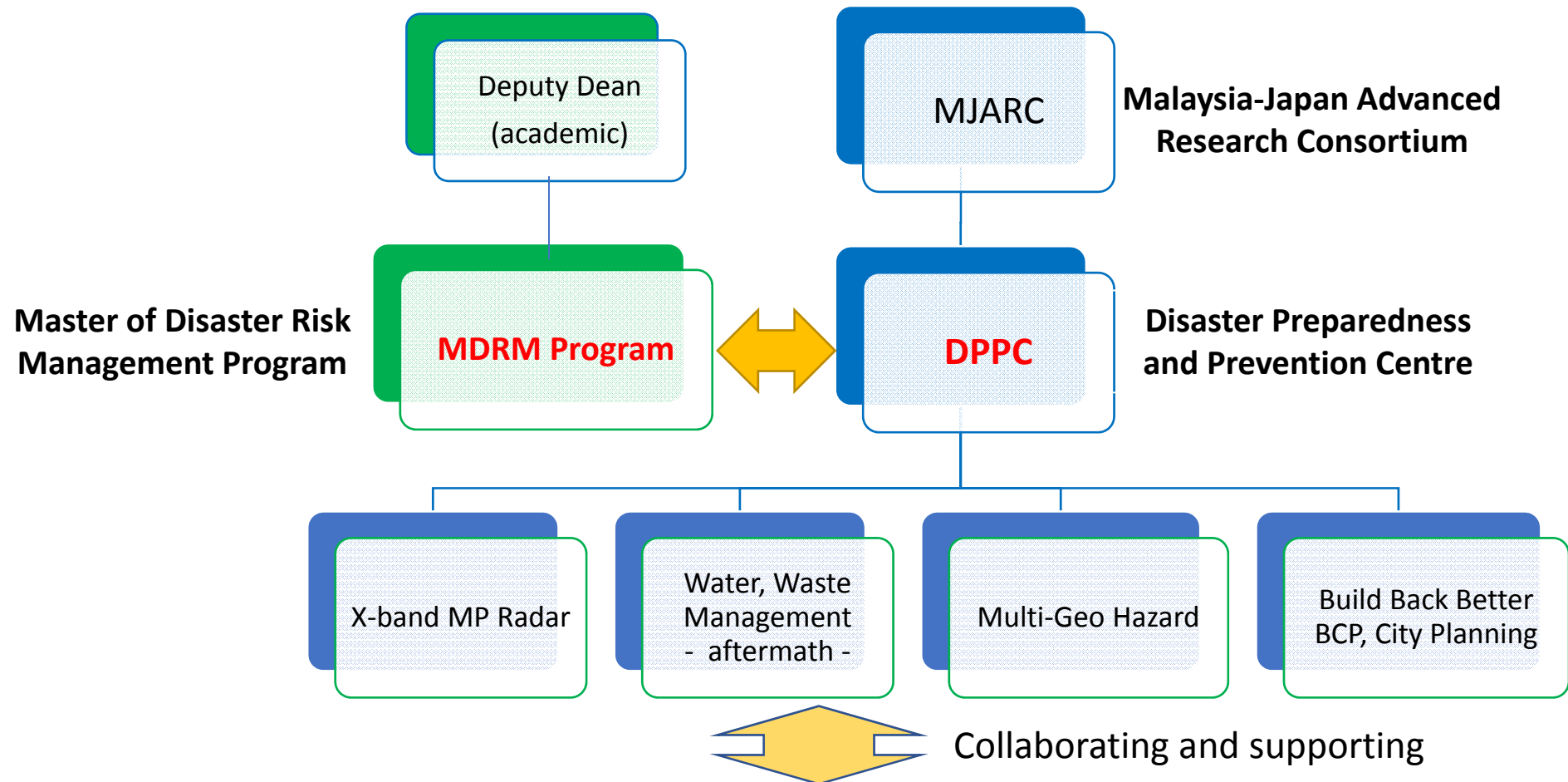


# Collaboration Network with MJARC/MJIIT in JAPAN





# Organization structures: MDRM & DPPC



JUC Disaster Risk Management sub-committee



芝浦工業大学

