



# **Activities in ASEAN by Kyoto University**

## **-Topics on Activities by Graduate School of Engineering-**



**Dr. Hiroyasu Ohtsu, Professor**  
**Vice Dean of Graduate School of Engineering**  
**Re-Inventing Japan Project, DRC Project Director**



# Past and Present

## Typical International Education/Research Projects

Since 2008

Global COE: “Human Security Engineering in Asian Mega-Cities”

Establishment of **Doctoral Course** on Human Security Engineering

Internationalization of  
Education & Research Topics

Accept foreign students

Since 2009

University Network for Internationalization (G30)

Establishment of **International Courses** for Foreign /Japanese Undergraduate Students

Internationalization of  
Education & Administration System

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Internationalization of  
Education & Human Resources

Since 2011

Accept ASEAN students & Dispatch KU students

Re-Inventing Japan University Project  
“International Course on Approaches for Disaster Resilience”

Establishment of **Consortium for Collaborative Education Program** between Kyoto Univ. & ASEAN Alliance Universities

FY2011

FY2012

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# Past: Global COE Project

## "Human Security Engineering in Asian Mega-Cities"

### 4 Disciplines on HSE program

- ◆ Urban Governance
- ◆ Urban Infrastructure Management
- ◆ Health Risk Management
- ◆ Disaster Risk Management

*Engineering is not skill to produce products and construct infrastructure*

**Engineering** requires essentially interdisciplinary knowledge, which is combination of engineering principles with sound business practices and socio-economic theory and so on, from viewpoint of people who live there.

***Establishment of OVERSEA Bases***

***Focus on actual problems occurring in Asian Mega-cities  
from viewpoints of people who live there***



# 7 Oversea Bases of GCOE Project

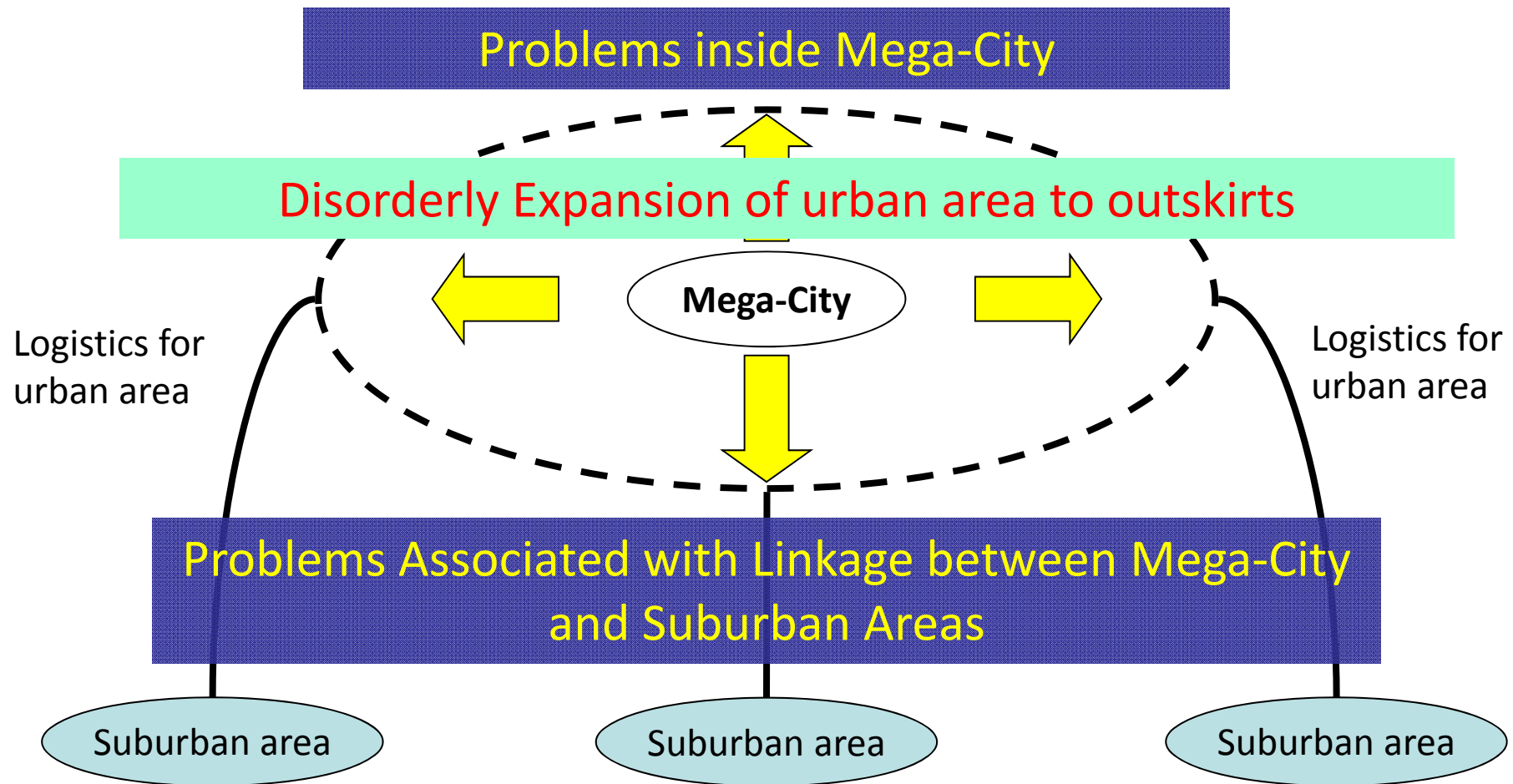


World Map Finder: <http://www.worldmapfinder.com/Jp/Asia/>



# Focal Points

## Linkage between Mega-city and Suburban Areas





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## Establishment of New Paradigm, “Disaster Resilient Countries”

- ◆ Development of collaborative education program focusing on **Disaster Risk Mitigation/Recovery/Reconstruction** among ASEAN Alliance Universities, ASALUs and Kyoto University
- ◆ Promotion of exchange of graduate students for the education program among ASALUs and Kyoto University to share the experience associated with disaster recovery/reconstruction

**The 21<sup>st</sup> Century is the era of disaster.**

### Earthquake/Tsunami

East Japan Disaster 2011



**Mar., 2011**

### Flood

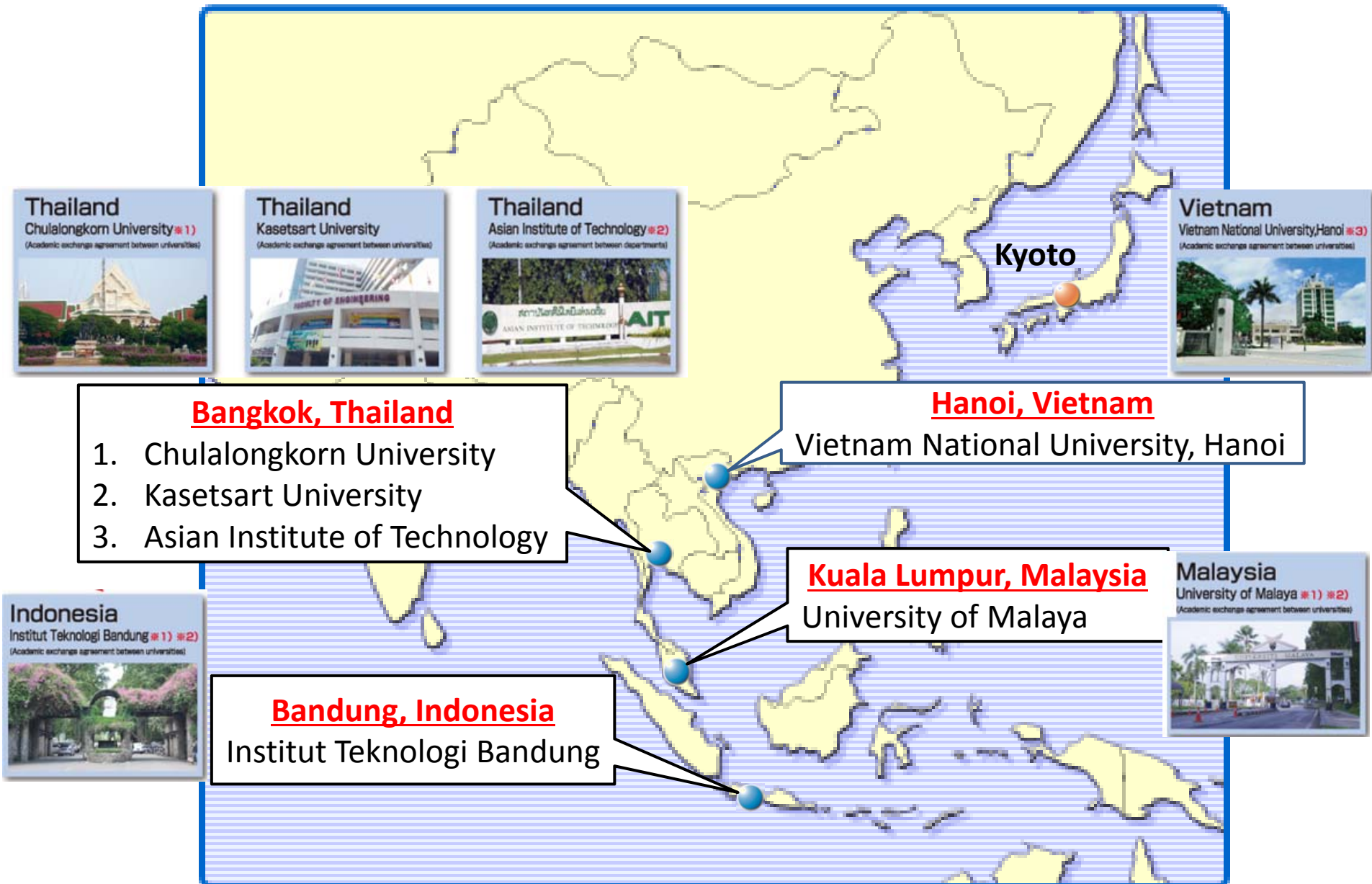
Thailand Flooding 2011



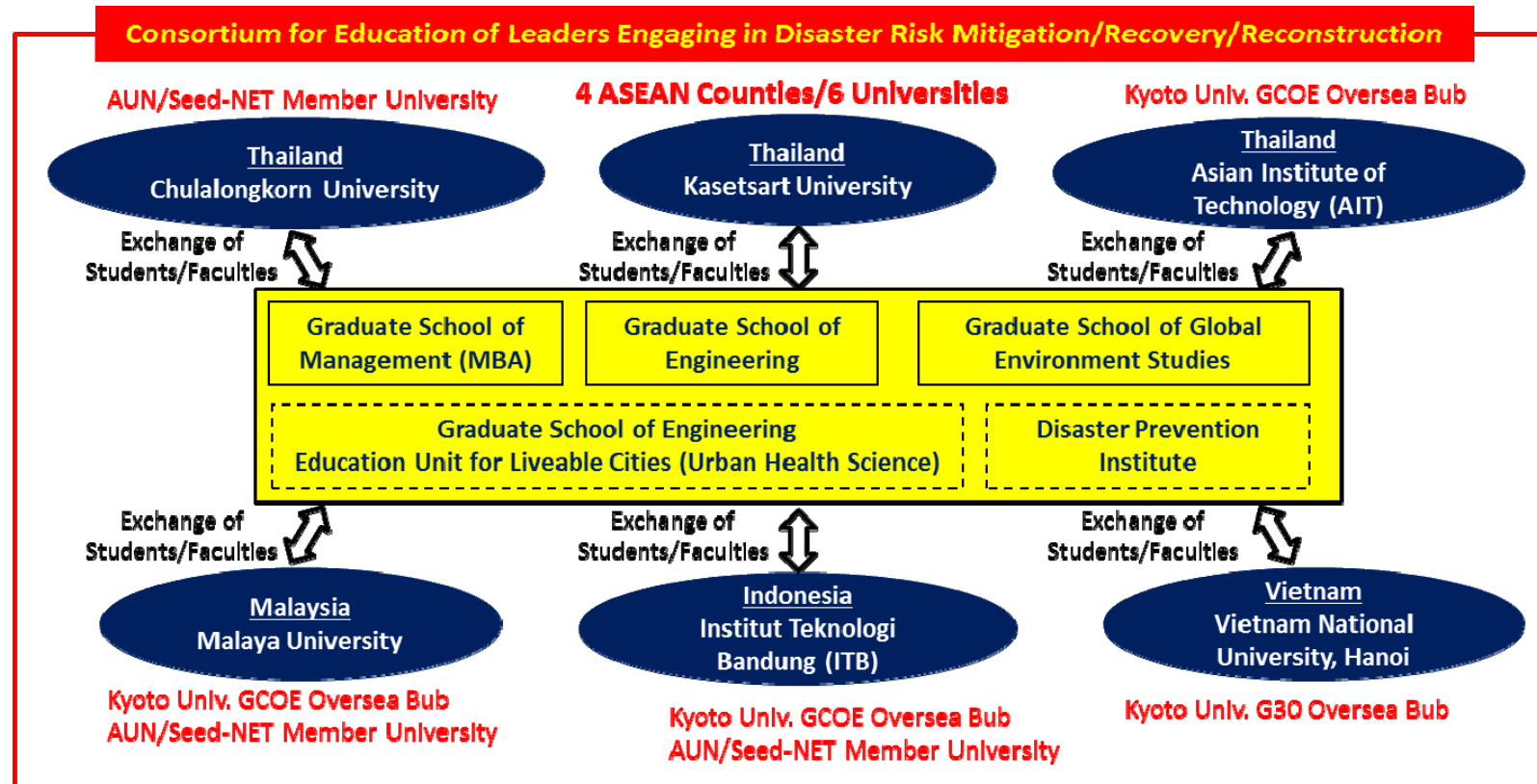
**Oct., 2011**



# ASEAN Alliance Universities, ASALUs



# DRC Alliance universities

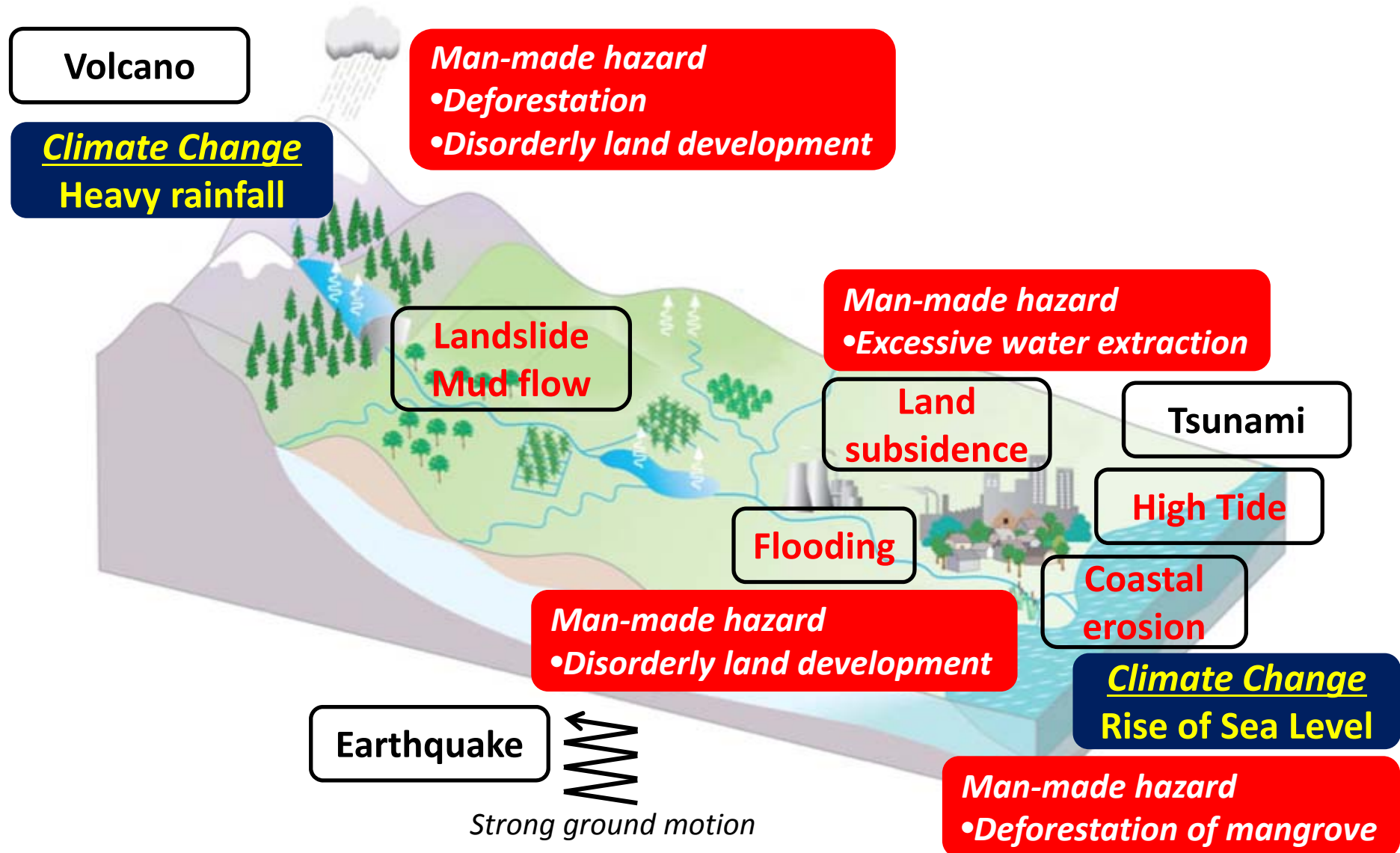


# Cause of Natural Disasters

Natural Hazard

Man-Made Hazard

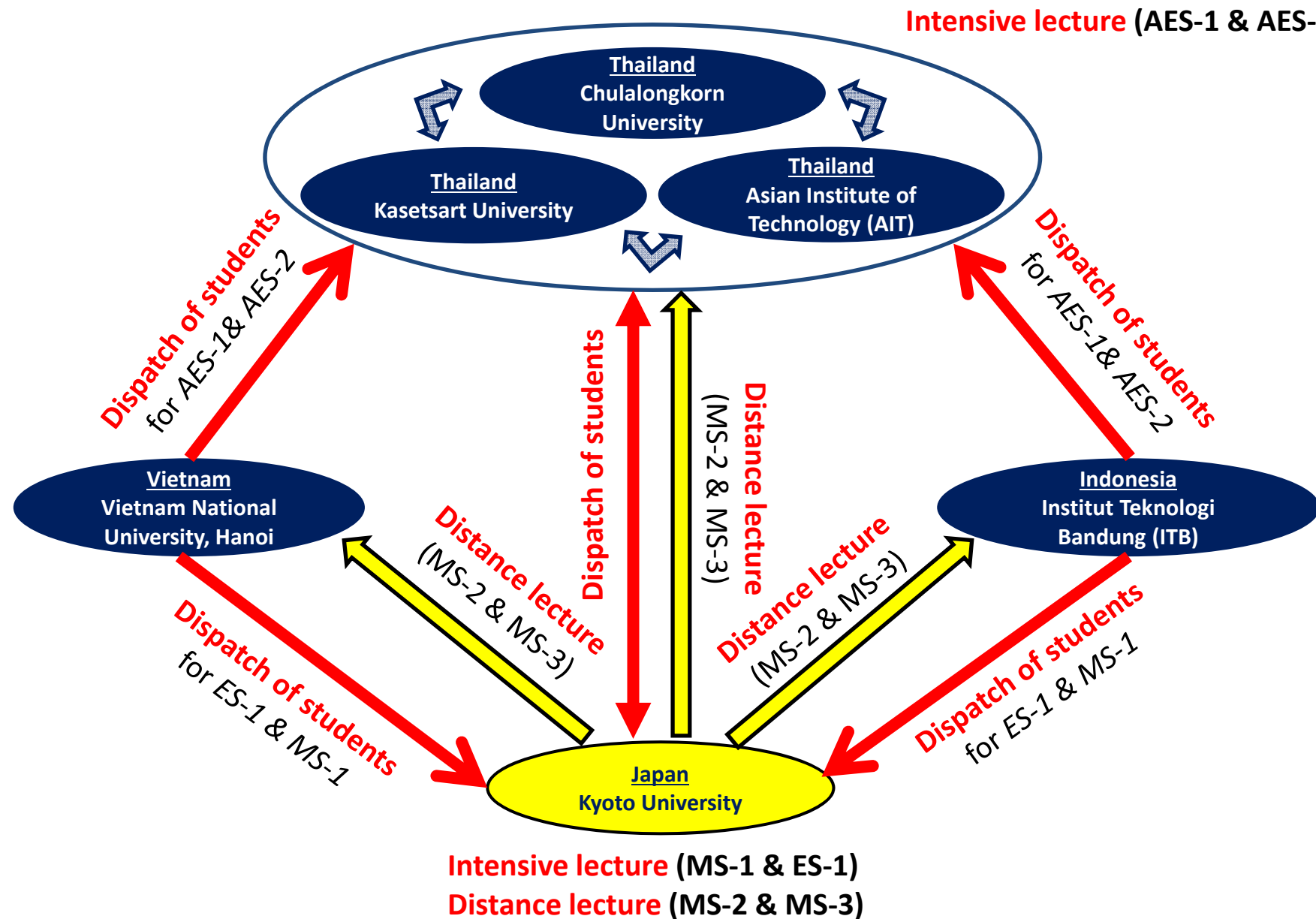
# Natural/Man-made Disaster along River Basin in Asian Countries



Sources: WDR team based on World Bank, forthcoming d; Bates and others 2008.

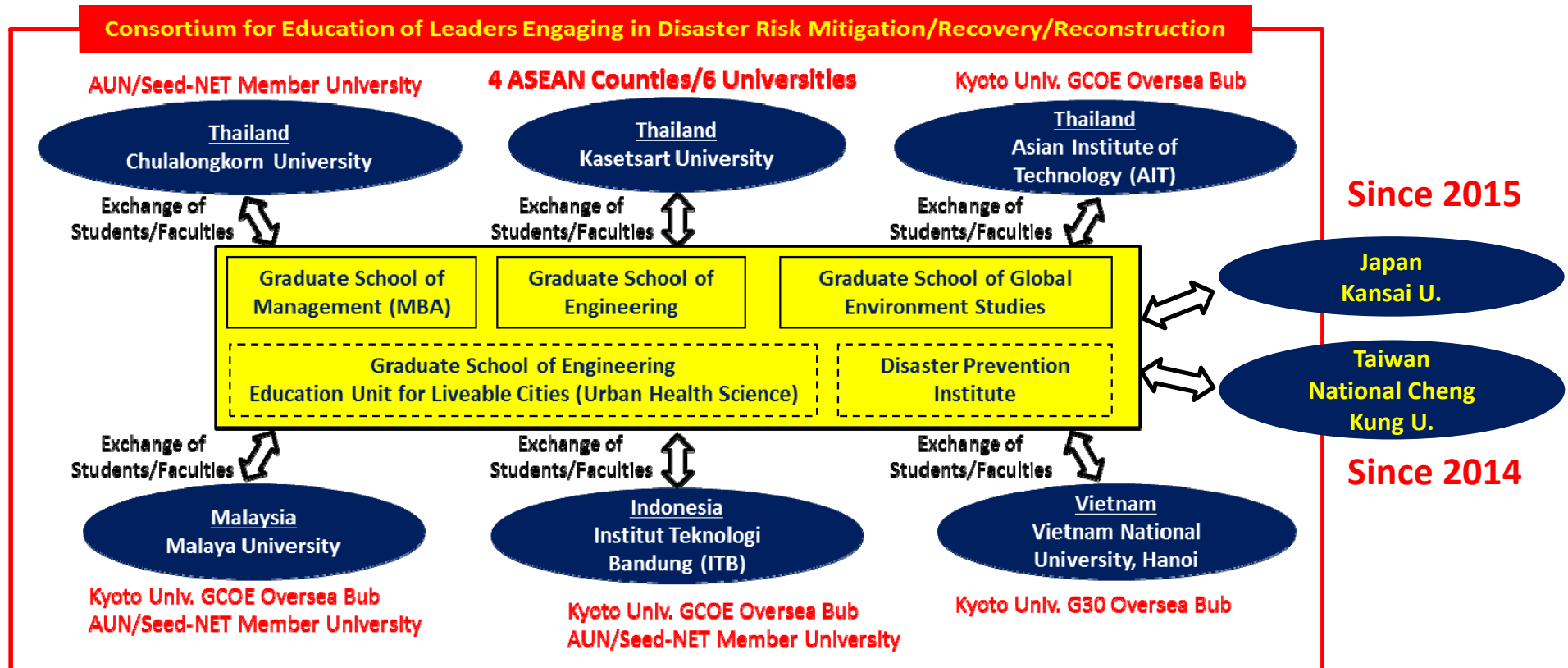


# Collaborative Education Program in 2013



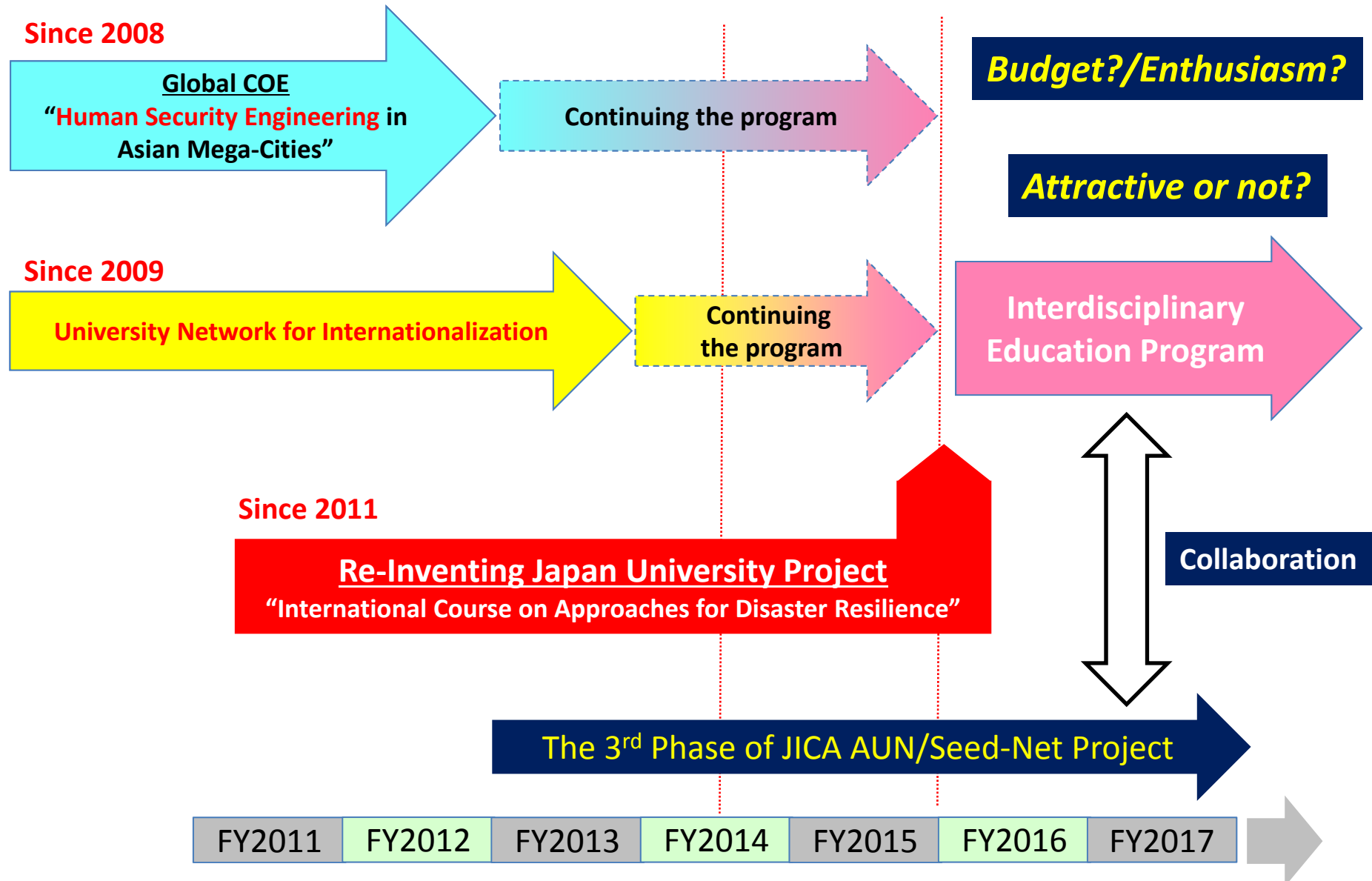


# DRC Alliance universities at present

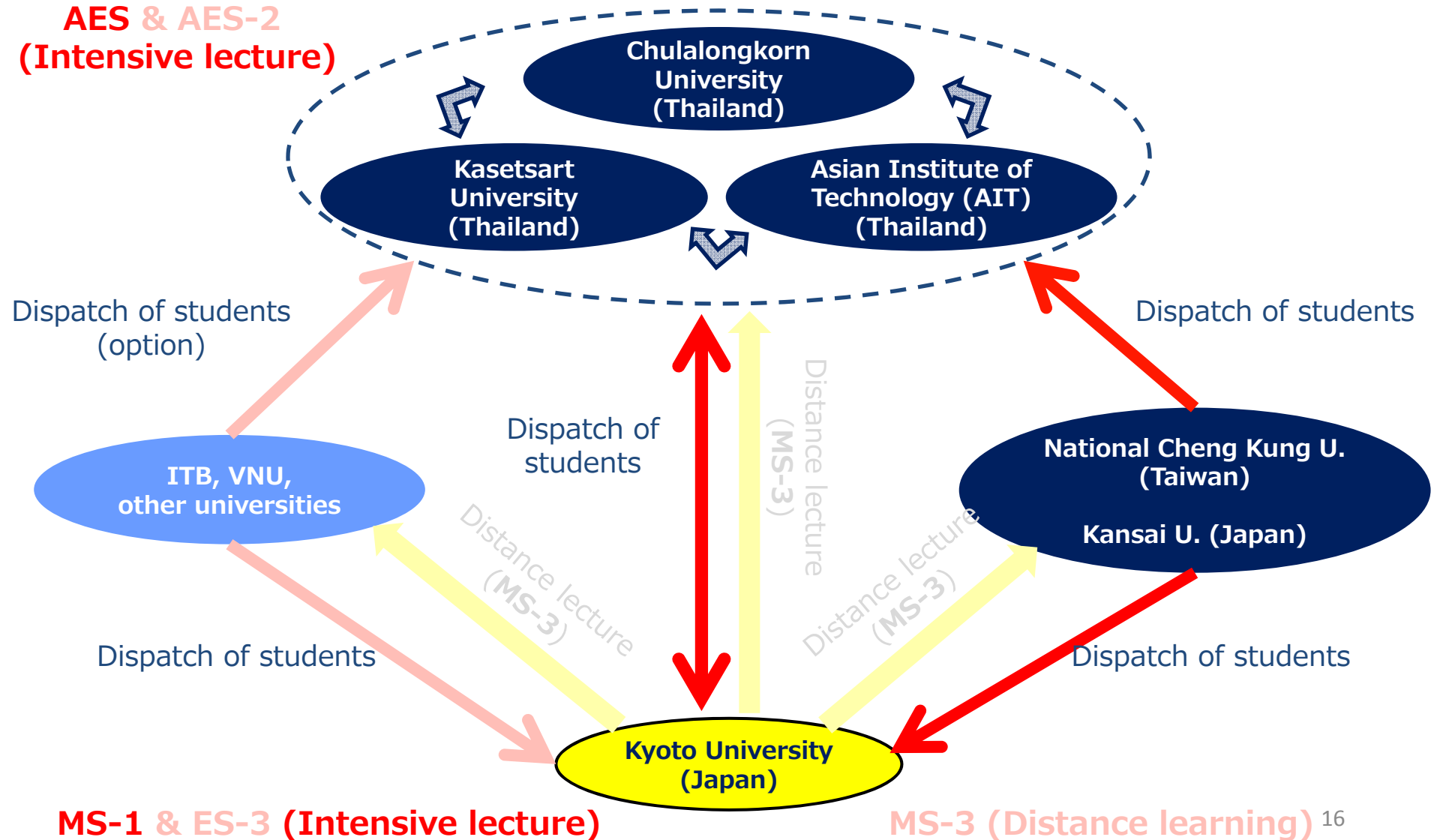


# Past, Present and Future

## Scope on International Education/Research Projects



# DRC Alliance University Network after 2016





# Concluding Remarks



Question?

**Why does your group continue activities with ASEAN countries?**

Answer

**The Promotion of “*Collaboration*” with ASEAN Alliance Universities is key issue for KU to survive under the situation of “*Globalization*” so that education program on engineering discipline should be internationalized.**

**“JASTIP” is expected to be the key engine to achieve the strategy to enhance quality of both education and research associated with Japan - ASEAN cooperation and also deepen mutual understandings between us.**

**Thank you for your attention**

**Thailand:**

**ขอบคุณครับ**

**Vietnam:**

**Xin cảm ơn**

**Malaysia & Indonesia: Terima kasih**

**Japanese:**

**ご清聴ありがとうございました**