

The Impact of Disruptive Disasters on Socioeconomic Activities and the Effectiveness of Regional BCM

"Discussions through a case study of the Area-BCM project (SATREPS) to build Interoperability and enhance resilience for sustainable employment"

September 8th 2023

Kenji Watanabe

Professor at Graduate School of Social Engineering and Head of Disaster & Safety Management Nagoya Institute of Technology

Background: Emerging Flood Risks in Socioeconomic Activities Impacts of flood disaster has been getting severe with higher frequency by climate change

Germany (July 2021)



Newsweek JAPAN::(https://www.newsweekjapan.jp/stories/world/2021/07/1201300.php)

Turkey (August 2021)



AFP BB News (https://www.afpbb.com/articles/-/3361755)

Japan (August 2021)



NHK: https://www3.nhk.or.jp/news/html/20210820/k10013213441000.html

Thailand (September 2021)

Australia (March 2022)

Pakistan (June 2022)



https://www.reuters.com/world/asia-pacific/thai-volunteer-takes-skies-drop-supplies-flood-victims-2021-09-28/

Credit: Wes Thompson, YouTube channel

https://www.jrc.or.jp/international/news/2022/0906_028257.html

Background: Major flood in Thailand [Jul.-Nov., 2011]

"the connected the dots"









- Climate change as one of macro factors
- Concentration of and increasing interdependencies among urban functions
- Rapid growth of population in the large cities
- Delayed disaster information sharing among stakeholders
- Lack of synergies and interoperability among individual BCPs/BCMs

Cascading disaster damages through global supply chain and limitations of individual BCP(Business Continuity Plan) had been recognized.

Case Study: SATREPS Area-BCM Project

Resilience enhancement of local industries as a sustainable platform for well-being of people

2011 Southern Thailand flood as a trigger event for Area-BCM



Objectives: Increase awareness of & readiness for flood risks Resilience enhancement with incentives for sustainable society



Project Structure Overview: 4 Major R&D Items

Project Overview (Thailand-Japan Joint Team)



Project Structure Overview: Organizations

Project Overview (Thailand-Japan Joint Team)



*College of Population Studies **Social Research Institute ***Environment Research Institute

Approach: Expanding Scope of Flood Risk Management

Impact areas of flood are expanding and multidisciplinary approach is required



Long-term Goals: UN & UNDRR actions-focused

High-level Project Targets focus on SDGs and SFDRR(Sendai Framework for Disaster Risk Reduction)

