Workbook

Name	

“How We Can Overcome a Disaster”

‘’Project for Development of a Comprehensive Disaster Resilience System and Collaboration Platform in Myanmar”

YTU-JICA project

Project WEB site

http://www.disasterinfo.jp/bs/mmr/

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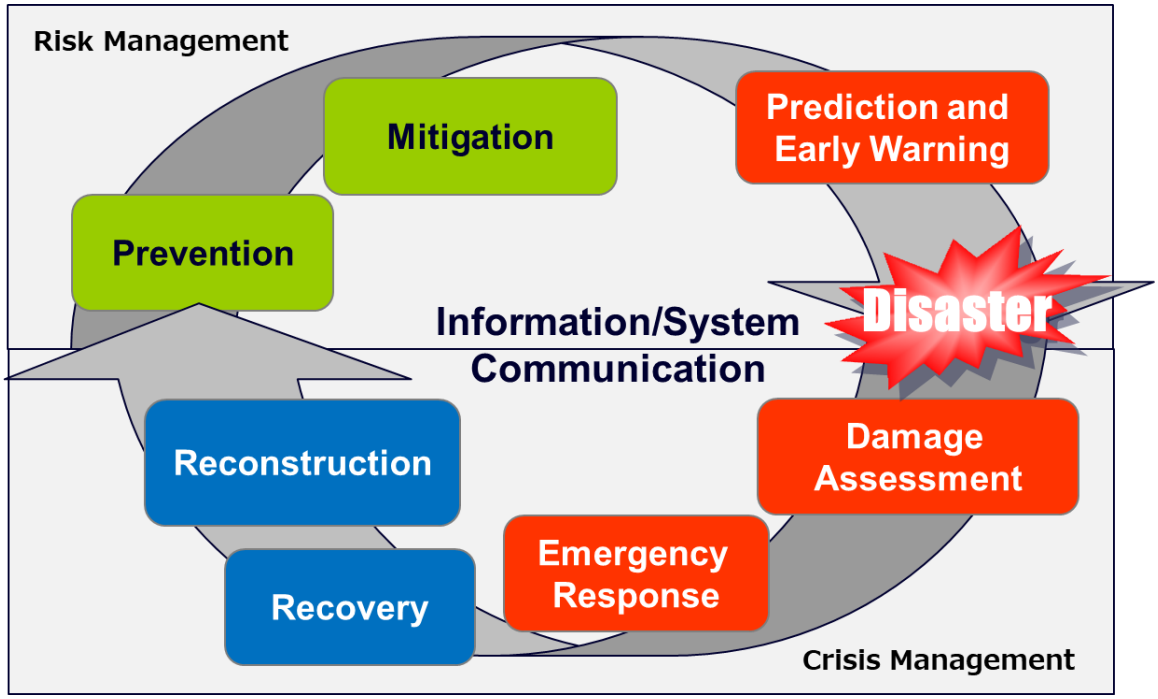
The University of Tokyo

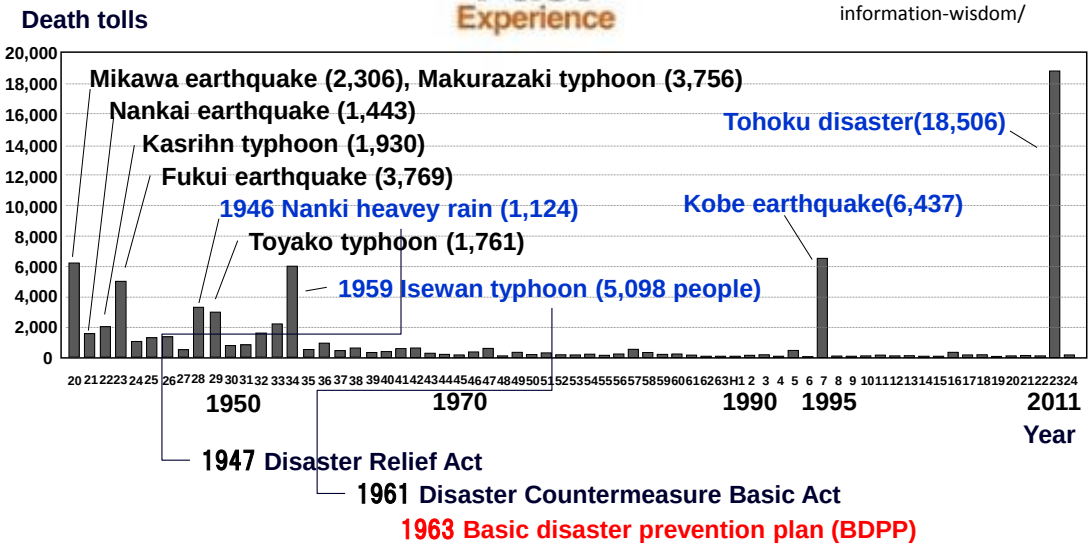
7 Disaster Countermeasure Phases

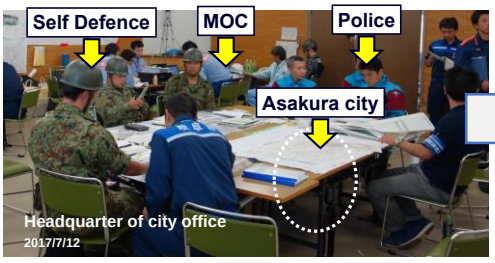


Phase	Examples
Prevention	Primarily improving the structural performance and preventing damages by adding amendments to land-use policy.
Mitigation	Seismic reinforcement of buildings and various structures, reinforcement to resilient structure, liquefaction countermeasures, earthquake-proofing residential homes, prevention of collapse of road bridge
Prediction	To predict and forecast disasters in advance and issue warnings
Damage Assessment	To assess with high accuracy the location as well as the degree of damage as soon as possible.
Emergency Response	Based on the damage evaluation results, the carrying out of rescue operations and recovery of region's basic functions.
Recovery	The general definition of recovery is the restoration to the state before the disaster.
Restoration	Since the former state of the region is not disaster-resilient, there is a need to rebuild the region with stronger disaster resilience. This is called reconstruction.

How we can learn from lessons of past experience

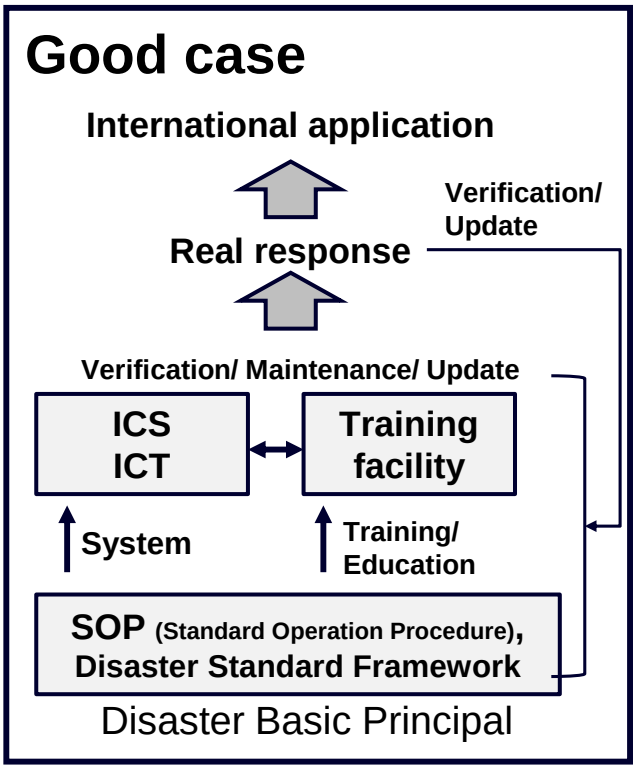
https://kvaes.wordpress.com/2013/05/31/data-knowledge-information-wisdom/



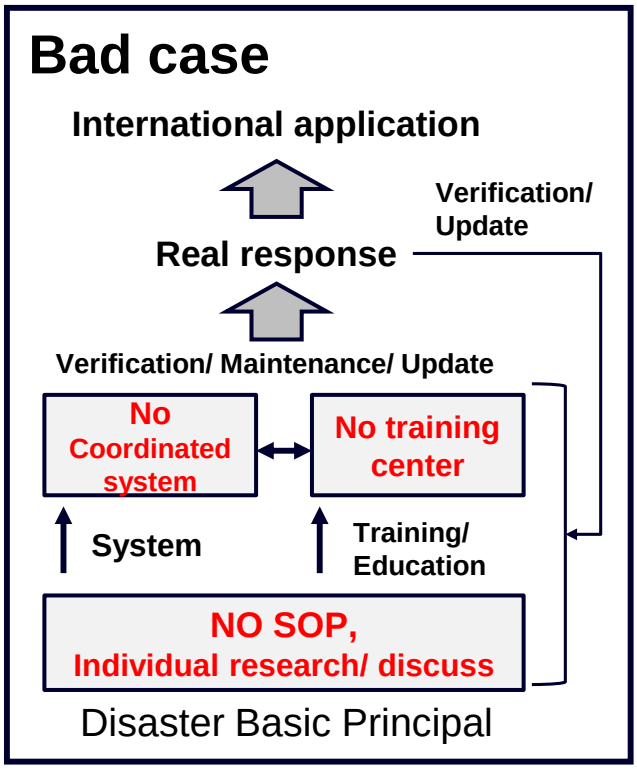


Before **After**

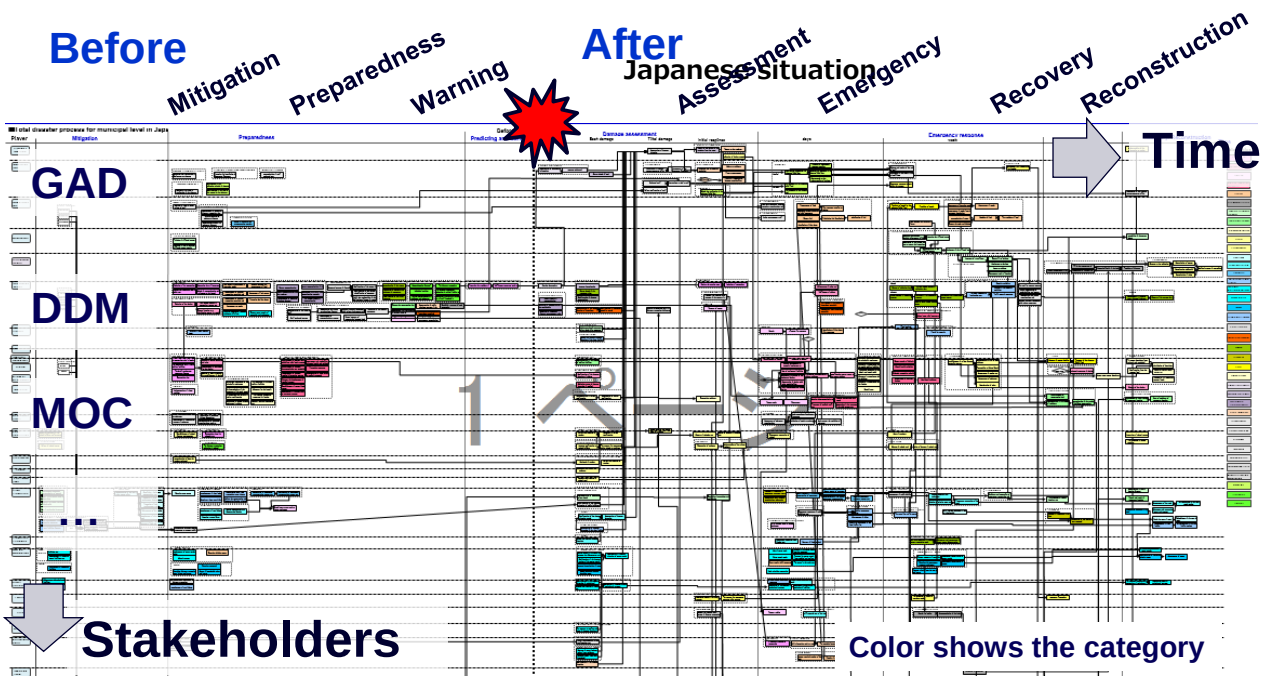
Good case



Bad case



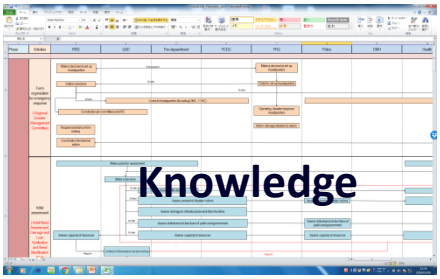
SOP



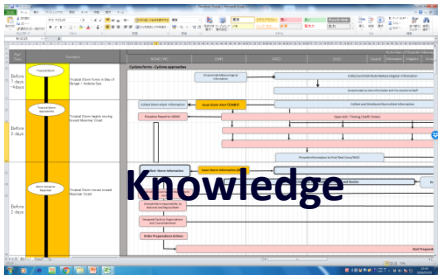
Developed system: Work flow chart system

How we can share the knowledge of disaster management with young staffs ?

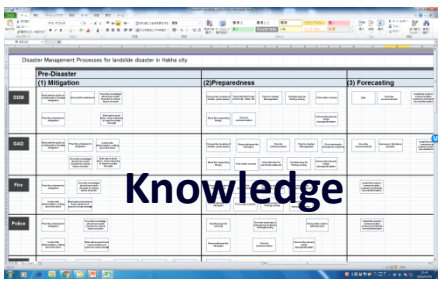
Earthquake



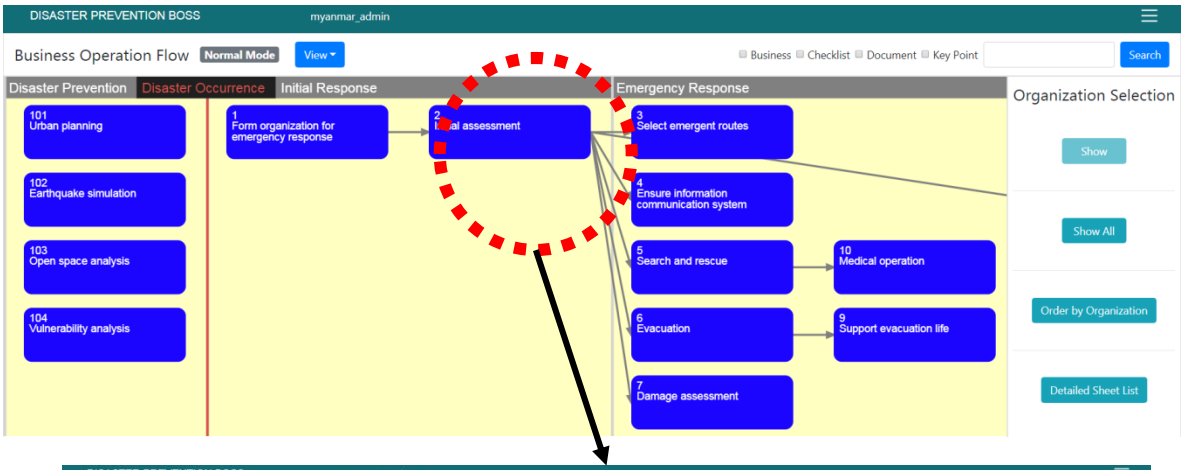
Floods

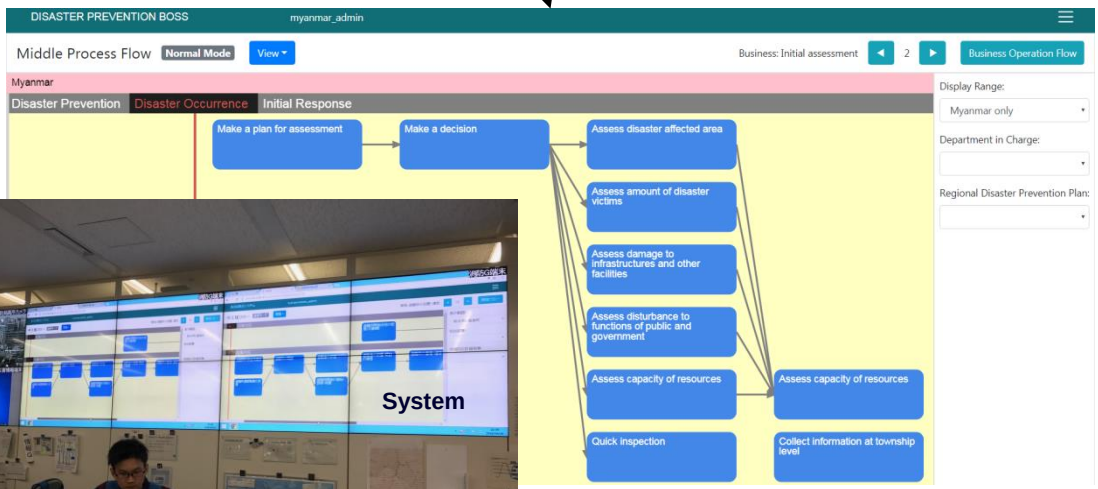


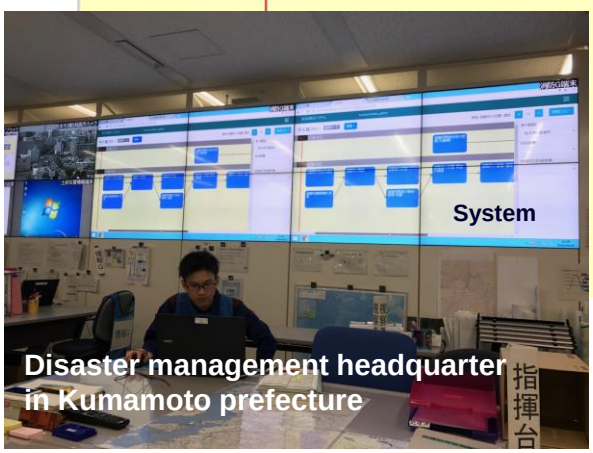
Landslide



Knowledge sharing by the system



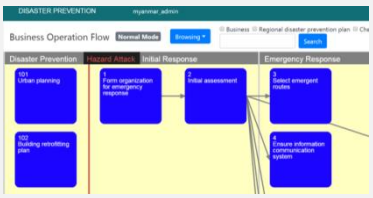




http://eng.iis-boss.com/work-flowchart

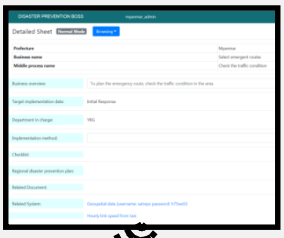
Developed system: overview

Layer 1: Overview

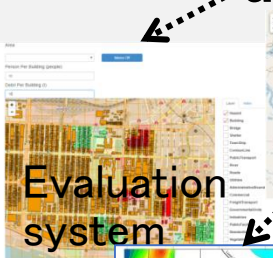


Layer 2: Detail flow

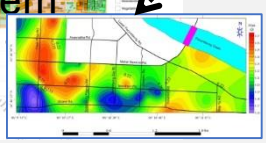
Layer 3: Detail info.



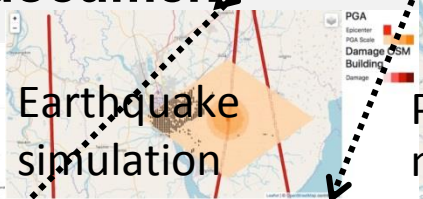
Layer 4: Necessary data/ system/ information/ document



Evaluation system

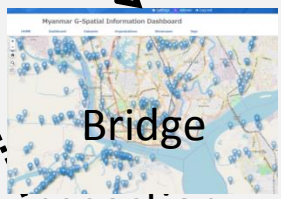


Peak Ground Acceleration, PGA



Earthquake simulation

Past inundation map



Bridge

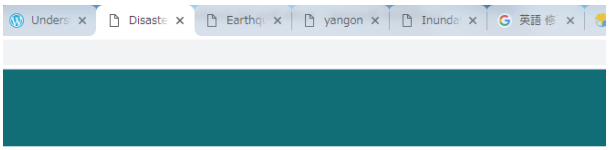
Information sharing

Quick inspection system

How to use the system

http://eng.iis-boss.com/

1. Login



ID: Myanmar_admin
Pass: kumamon

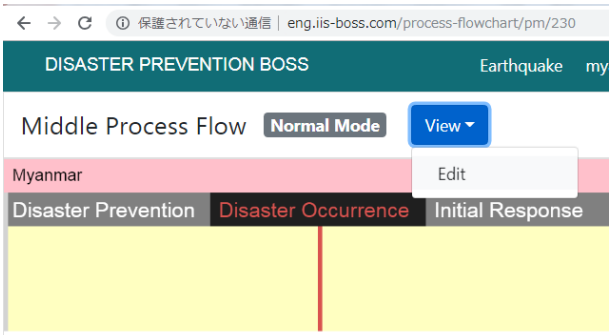
Earthquake
Flood
Landslide

LOGIN

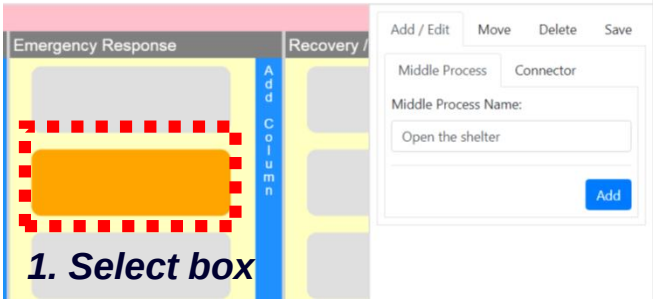
2. Select your Group ID

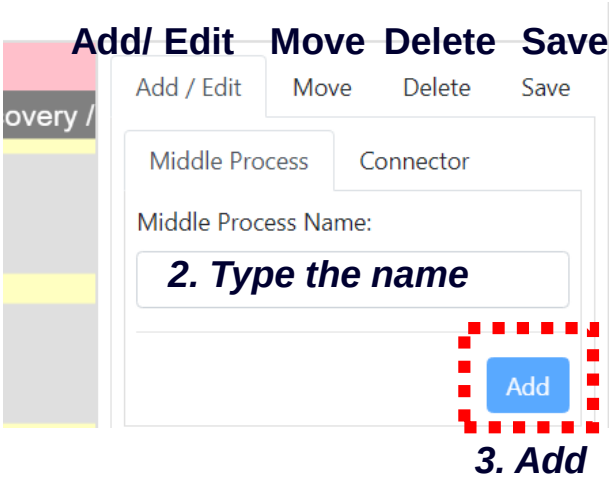
Select your Group number

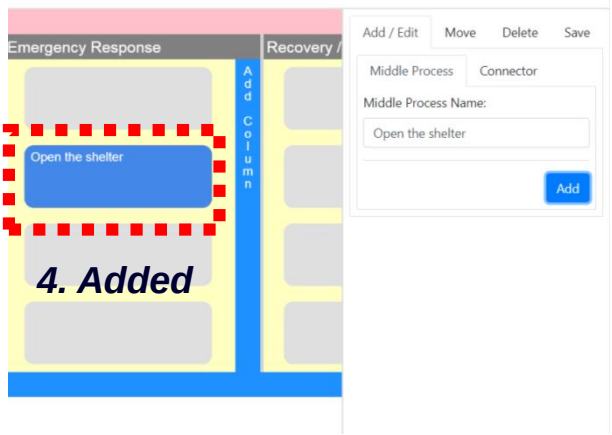
3. Change from “View” to “Edit” mode



4. Make your flow chart

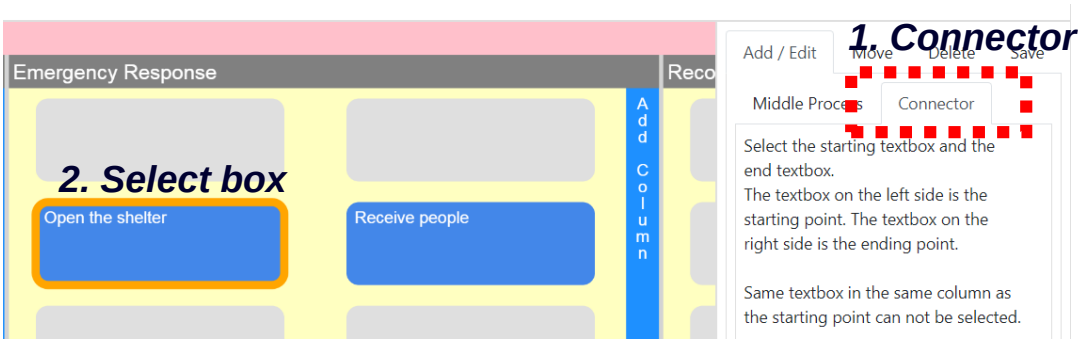


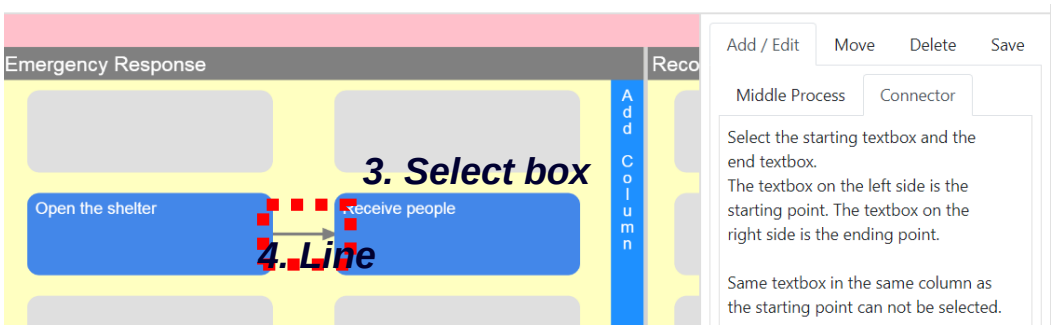




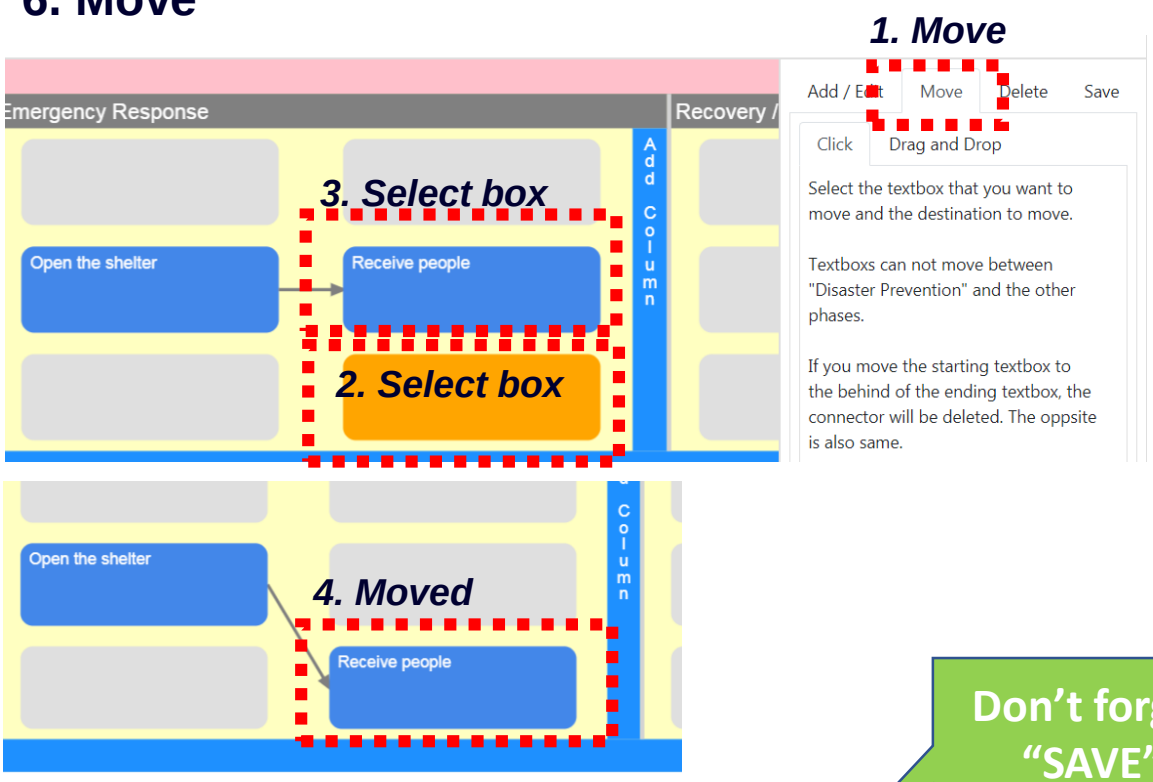
How to use the system

5. Connector



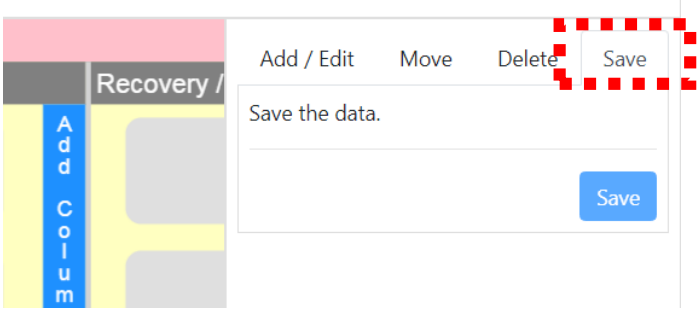


6. Move



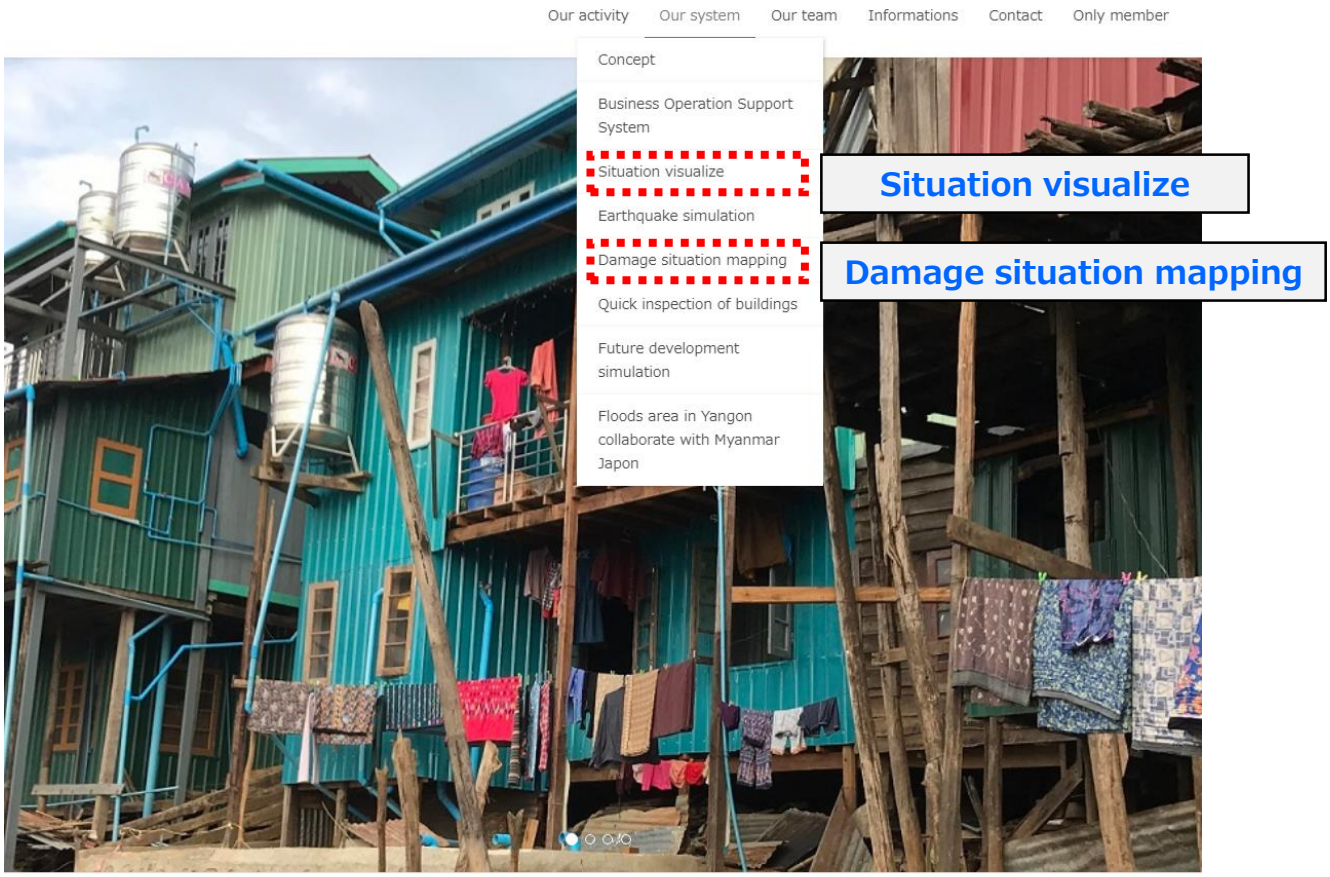
Don’t forget “SAVE”

7. Save

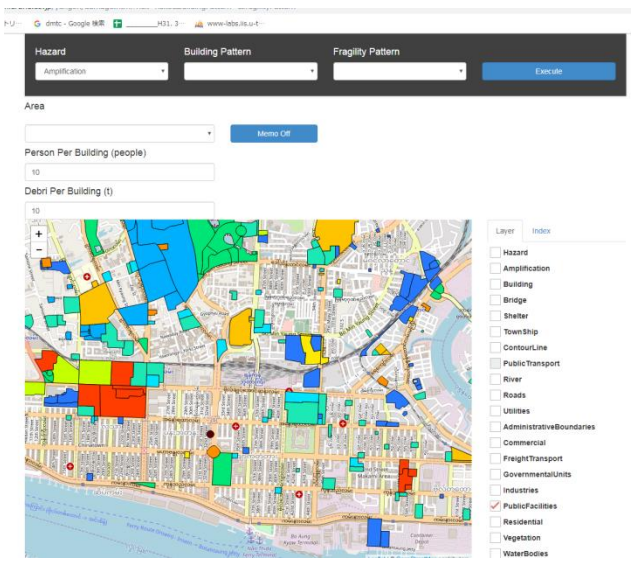


SAVE

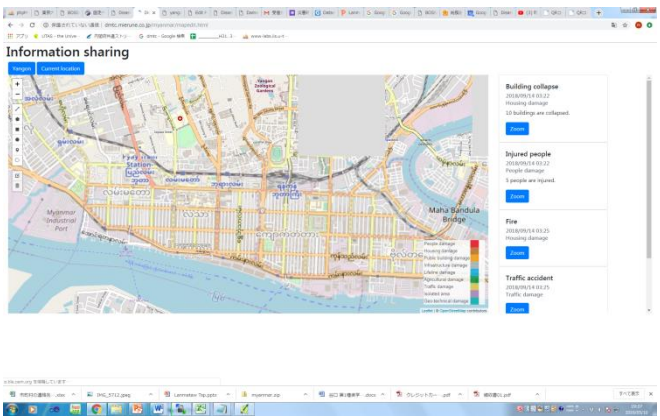
Situation visualize and Damage situation mapping



Situation visualize



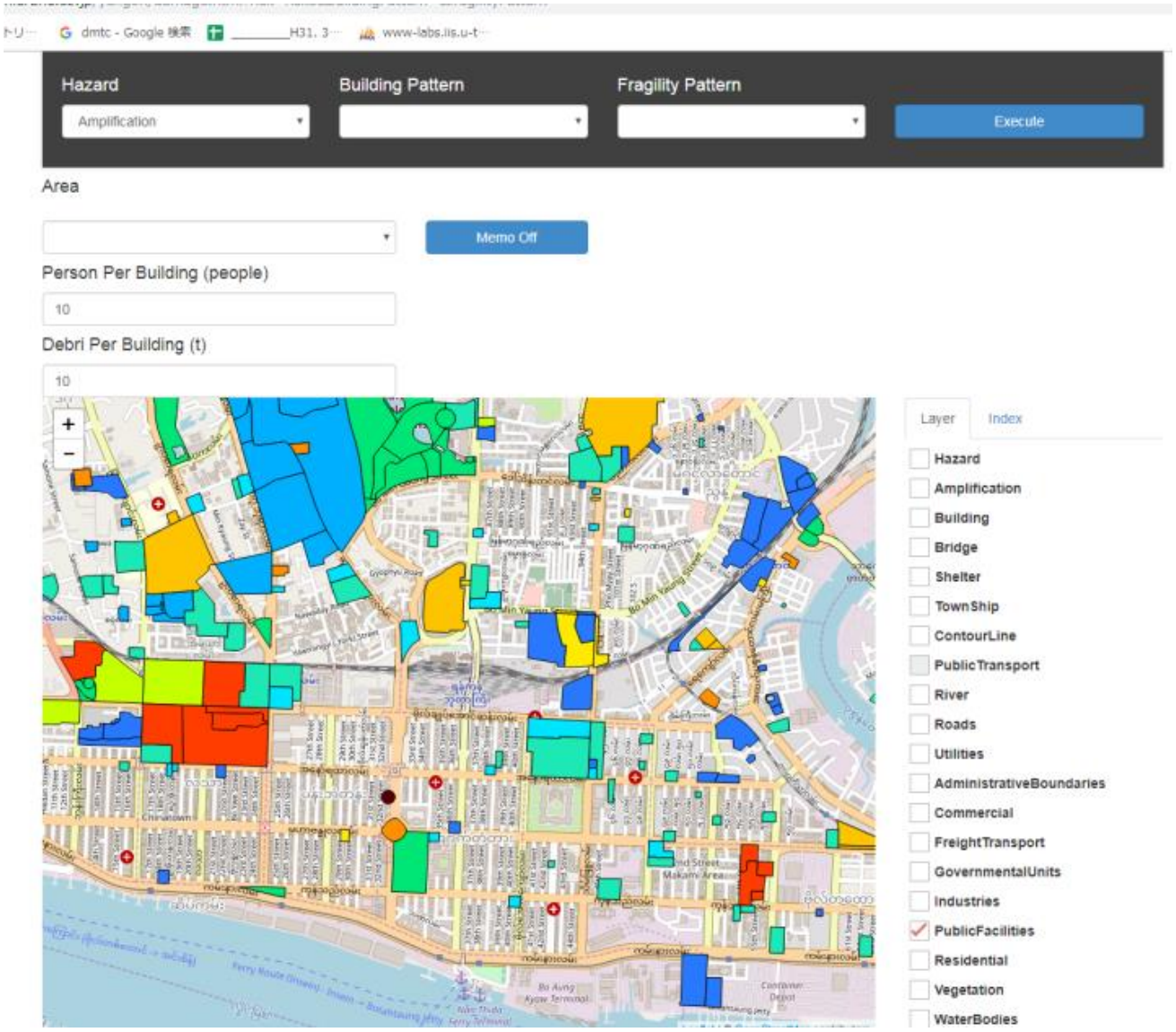
Damage situation mapping



Access

http://www.disasterinfo.jp/bs/mmr/

Situation visualize to understand the situation

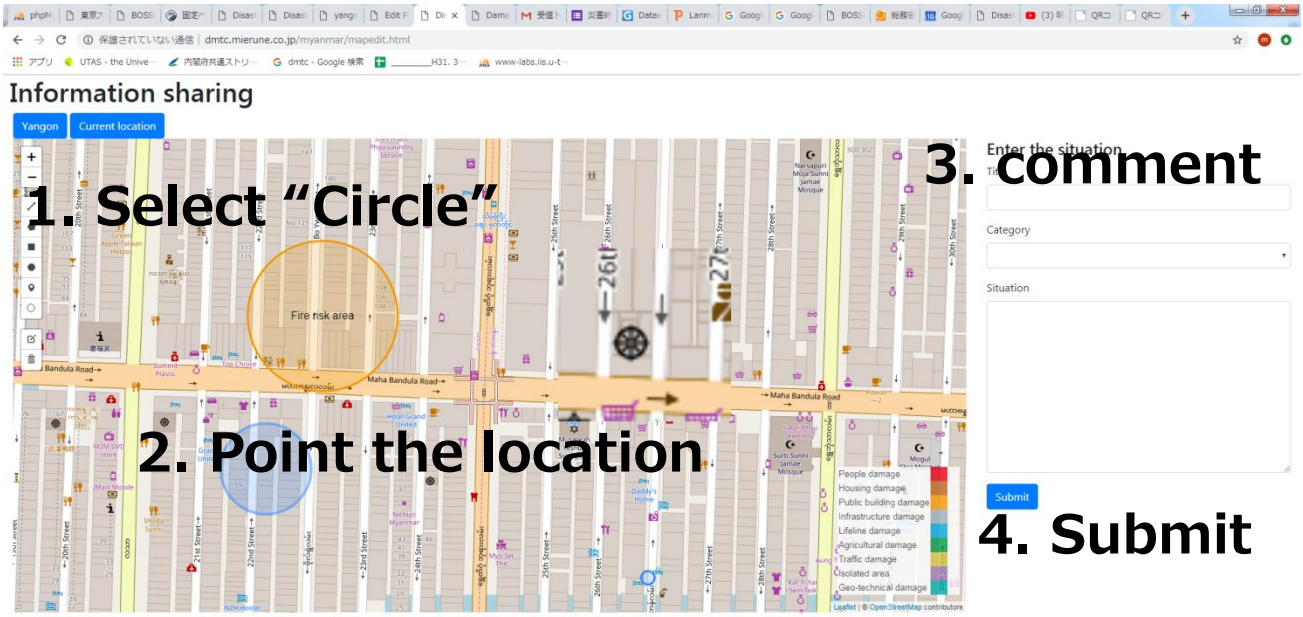


Explain about the risk situation in your township

Sketch up the risk condition on the map

dmtc.mierune.co.jp/myanmar/mapedit.html

How to use the system



What to sketch up

Step 1: Where are evacuation places ?

Step 2: How many people evacuate ?

Step 3: Where is dangerous road ?

Step 4: Where are dangerous buildings ?

DMTC

Disaster Management
Training Center

http://tdmtc.tokyo/

DMTC