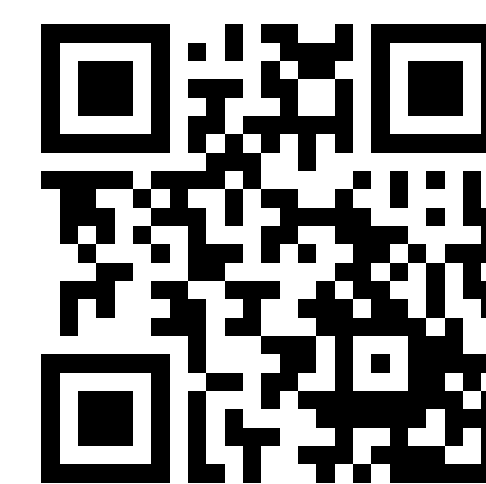# Numada lab.
Disaster Management Training by critical thinking

Department of Human and Social Systems

Emerging design and informatics course, Interfaculty Initiative in Information Studies

Civil engineering   Disaster management   http://tdmtc.tokyo/

Past experience → Standard Process/ modeling → Technology/ Social System → Training → Real Disaster

☆ Past experience

2011 Tohoku disaster
...

2016年 Kumamoto earthquake

Database of past experience

North Kyusyu heavy rain

2017

2018 Western Japan heavy rain

☆ Standard Process/ modeling

Stakeholder | Mitigation | Preparedness | Warning | Assessment | Emergency | Recovery | Reconstruction

Before | After | Phase

Organization

Based on the past disaster management research results, 47 kinds of response categories and 500 processes are defined

Color: category

☆ Technology/ Social System

- Business Operation Support System (BOSS)
Detail p... - Voice – text Analyzer
- Drone system
Detail explanation
- Ground survey system etc.

Plan, Manual, Law, Form

☆ Training

All phots: Trial training

(1) Nov. 27th to 30th, 2018 (4days) @Minami izu town: 70 participants

(2) Dec. 19th to 21th, 2018 (3days) @IIS: 50 participants

(3) Feb. 12th to 15th, 2019 (4days) @Minami izu town: 120 participants

(4) March 13th to 15th, 2019 (3days) @IIS: 60 participants

Use of former Mihama Elementary School which became abolished school in Minamiizu Town. For regional revitalization Contribution

☆ Real Disaster

2016 central Italy earthquake

Support for the real disaster field by DMTC team

2018 Kurasiki city

Training starts from October 2019: Systematic and practical training for central and local governments, business sectors/ companies, local disaster prevention leaders, etc.

Institute of Industrial Science, The University of Tokyo