

Capacity Building for Urban Disaster Resilience 都市防災の担い手の育成

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Expected Goal of Capacity Buildings for Urban Disaster Resilience

- ✓ Every individual must regard DRR their own responsibility. To achieve this, it is necessary to cultivate more people who possess a minimum level of disaster literacy.
- ✓ As the number of individuals who can evaluate DRR investments increases, social consensus on promoting such investments will be built, leading to practical implementation of DRR.

✓ For coping with the severe disaster risks that can cause catastrophic damage, developing leaders with demonstrating national-level leadership rooted in DRR is crucial.



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提言

災害レジリエンスの強化による持続可能な 国際社会実現のための学術からの提言 一知の統合を実践するためのオンライン・ システムの構築とファシリテータの育成一



令和2年(2020年)9月18日日本党統会議

科学技術を活かした防災・減災政策の国際的展開に関する検討委員会

RECOMMENDATION

Building a sustainable global society by strengthening disaster resilience:

- Developing an "Online Synthesis System (OSS)"

and fostering "Facilitators" to realize consilience -



September 18, 2020

Science Council of Japan

Committee on International Cooperation for Promoting Science-Based Disaster Risk Reduction





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- ✓ Facilitators are required to assist stakeholders who effectively apply science and technology, protect their lives and assets, and continue their livelihoods and businesses.
- ✓ Therefore, the scientific community should foster Facilitators in collaboration with local universities, disaster research centers, and scientific institutions and in mutual cooperation with society.





Current Issues of Capacity Buildings for Urban Disaster Resilience

- ✓ As the timing of future disasters is unpredictable, quantifying the benefits of capacity building is difficult. This leads to less motivation of building capacity in the organizations and/or for individuals.
- ✓ Disasters change from physical phenomena social phenomena with time passage after their occurrence. Large-scale disasters can even escalate into political or diplomatic issues. Disaster education tends to focus heavily on hazard-related learning, such as earthquake mechanisms, while integrated education covering natural sciences, social sciences, and health sciences.
- ✓ Basically, it is difficult for people to imagine disaster situations without their own experience. However, it is essential to foster individuals who can realistically imagine disaster situations.



Recommendation: Promote Cross-disciplinary Education to Enhance the Full Imaginations of Disasters

- ✓ Policies are needed to cultivate human resources capable of understanding the overall picture of disasters. As unprecedented disaster risks continue to rise, education must go beyond conventional disaster-prevention learning and include cross-disciplinary subjects such as national and historical perspectives on DRR, as well as training in leadership and cooperation to guide the nation and local communities.
- ✓ Education should develop the ability to design countermeasures using a backcasting approach. Building an educational framework that enables learners to understand disasters from both short- and long-term perspectives is essential for nurturing future leaders in urban DRR.



Recommendation: Establish a Social System that Give Incentives to DRR Learning

- ✓ A social system should be established so that learning about DRR provides incentives for individuals and benefits society at large. Both governments and industries need phase-free systems in learning serves as an incentive in daily life and also proves useful during emergencies.
- ✓ Scientific community must build networks connecting certified DRR specialists and explore ways to enhance the activities by diverse actors (multi-sector stakeholders) who possess knowledge and experience of DRR.
- ✓ If the content of education varies by region or provider, it becomes difficult to effectively utilize trained personnel. Therefore, standardization of learning content is essential.

