Development of "Disaster Management Literacy Hub" (DMLH) to Enhance Disaster Management Literacy

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The concept we propose for a disaster management literacy hub (DMLH) involves systemizing and generalizing disaster management literacy (DML) and discussing how to design such a DMLH where the general public and disaster responders share materials on DML.

In the early 21st century, measures against large-scale earthquakes should essentially include both hardware disaster mitigation measures like the construction of appropriate structures and software measures like disaster preparedness among people and organizations such as the general public, disaster responders and related organizations. We define knowledge about disaster response management and competency as DML.

We proposed that DML consist of three elements: knowledge for learning about disaster management and mitigation, skills required for effective disaster response, and basic competency and attitudes for coping with disasters. For conceptual DMLH design based on the Instructional Design (ID), we propose three types of learning:

1) The general public and disaster responders learn audiovisually using training videos and materials and review tests on learn from videos.

2) People who want to provide education and training at schools or in regions or municipalities with school teacher guidance/teaching plans learn how to do so.

3) People learn DML by posting or searching for (collecting and arranging) materials.

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