

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.

Keywords: disaster management literacy, Instructional Design (ID), competencies for disaster responses, education and training

The screenshot shows the 'Literacy HUB' website interface. At the top, there are navigation links and a search bar. Below the search bar, there are filters for '主体' (Subject) and '災害の種類' (Disaster Type). The main content area displays a grid of search results for disaster management literacy materials. Each result includes a title, year, and a brief description. Visible results include:

- WebEOC** (2010): WebEOCは、災害対策本部スタッフが災害の被害、対応状況を正確に認識し、迅速かつ的確な意思決定を支援することで被害の拡大を防ぎます。災害対策本部のあり方をICTで実現する危機管理支援システムです。
- 被災者台帳** (2010): 被災者台帳に関する内部府の資料のページです。被災者台帳とは、被災者支援について「支援票れ」や「手帳の重復」をなくし、中長期にわたる被災者支援を総合かつ効率的に実施するため、個々の被災者の被害状況や支援状況、設備事項等を一元的に集約する...
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