

RESEARCH ON FLOOD HAZARD MAPPING FOR DEVELOPING COUNTRIES

In this research, we examined more efficient, effective methods for the production and use of flood hazard maps (FHM) to promote their use in developing countries. To this end, we investigated various aspects related to FHMs, including their current production and use, local needs, and local mapping capability, by collecting information through overseas field investigations and participants of flood hazard mapping training and seminars. After the investigation, we identified problems in the promotion of the use, rather than production, of FHMs. Many of the developing countries investigated for this research showed a reasonable level of progress in the production of FHMs, but were not able to distribute them to the public yet. In the meantime, we found some cases in which community-based flood hazard mapping improved public awareness toward disaster preparedness. Those cases indicated that to reduce flood disaster damage, FHMs did not necessarily have to be based on elaborated simulation data. We finally developed a guideline for the production and use of FHMs based on such research results.

Key words : Flood hazard mapping, Community Disaster Management, Guideline, SRTM Data