

Fostering dialogue and building trust for DRR through participatory 3-dimensional mapping

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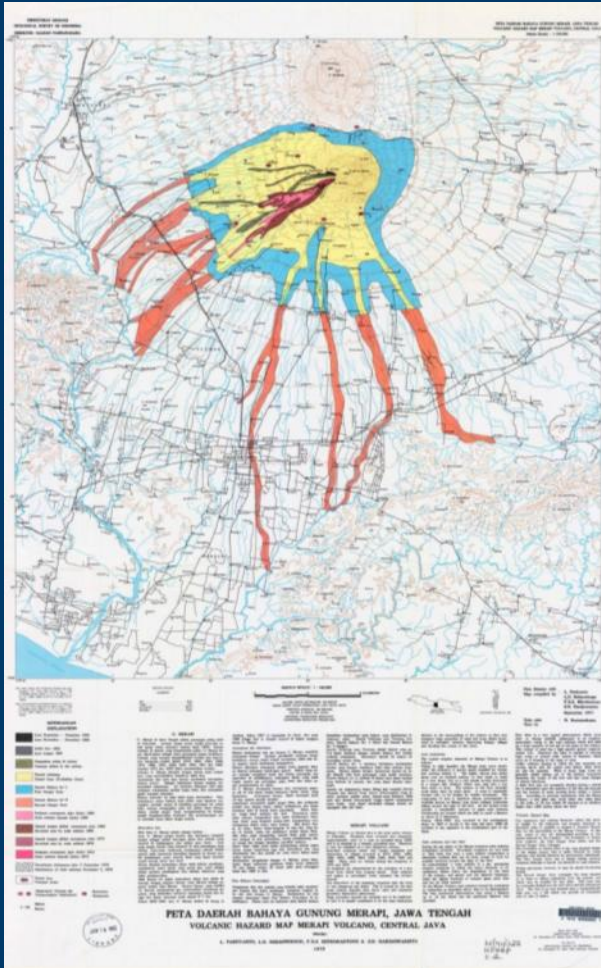
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Participatory 3-Dimensional Mapping



Top down actions
-
Scientific knowledge



GAP
?

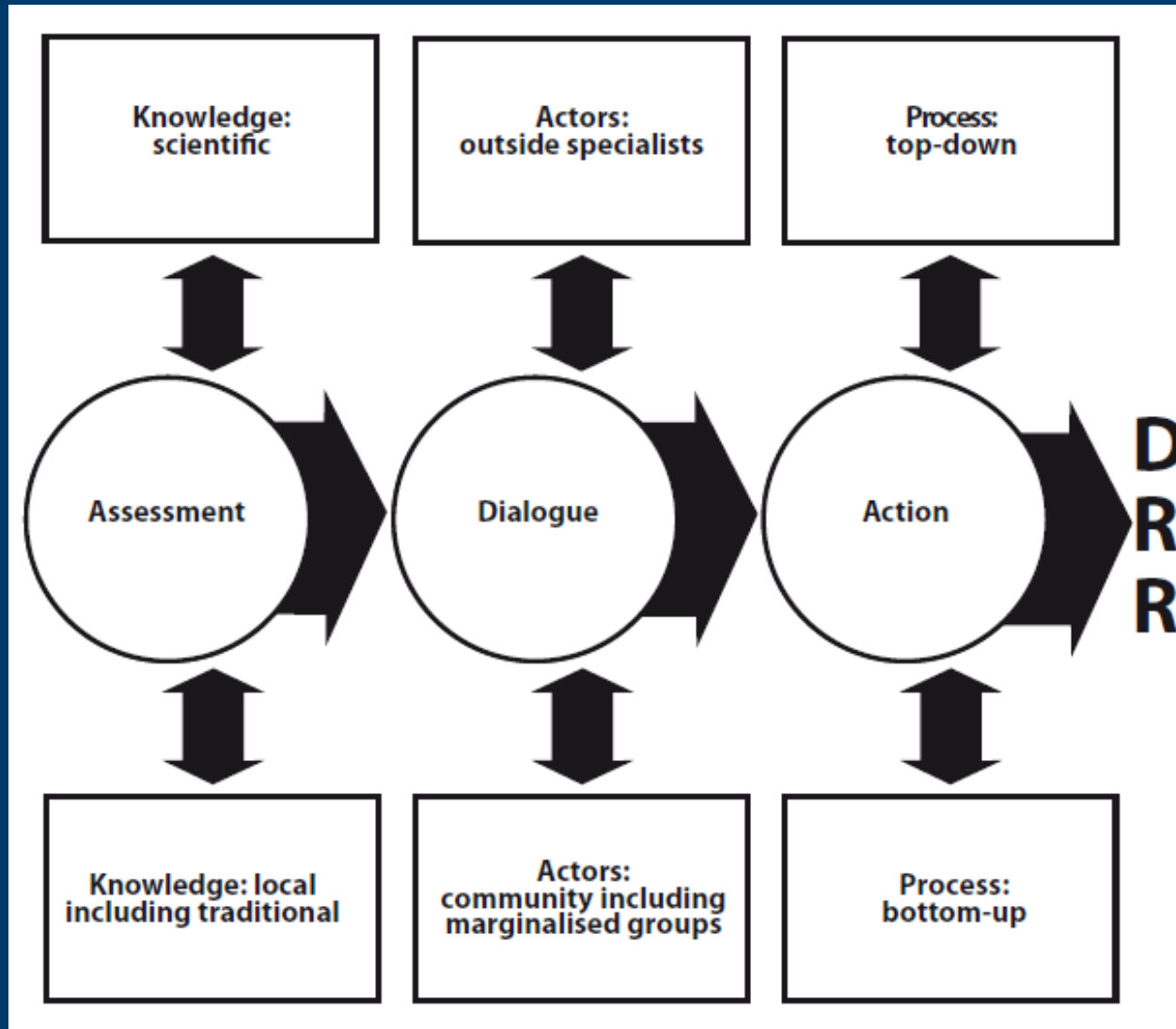


Bottom up actions
-
Local knowledge



Participatory 2D sketch map of a village on the slope of Merapi volcano, Indonesia, July 2009

Participatory 3-Dimensional Mapping



A framework for integrating knowledge and actions in DRR

P3DM: an example of tool to bridge the gap



Participatory 3-dimensional mapping (P3DM) in Borongan, Philippines, August 2007

Participatory 3-Dimensional Mapping

Local knowledge



Members of the local community plotting land-use in La Carlota, Philippines, in August 2007

Participatory 3-Dimensional Mapping

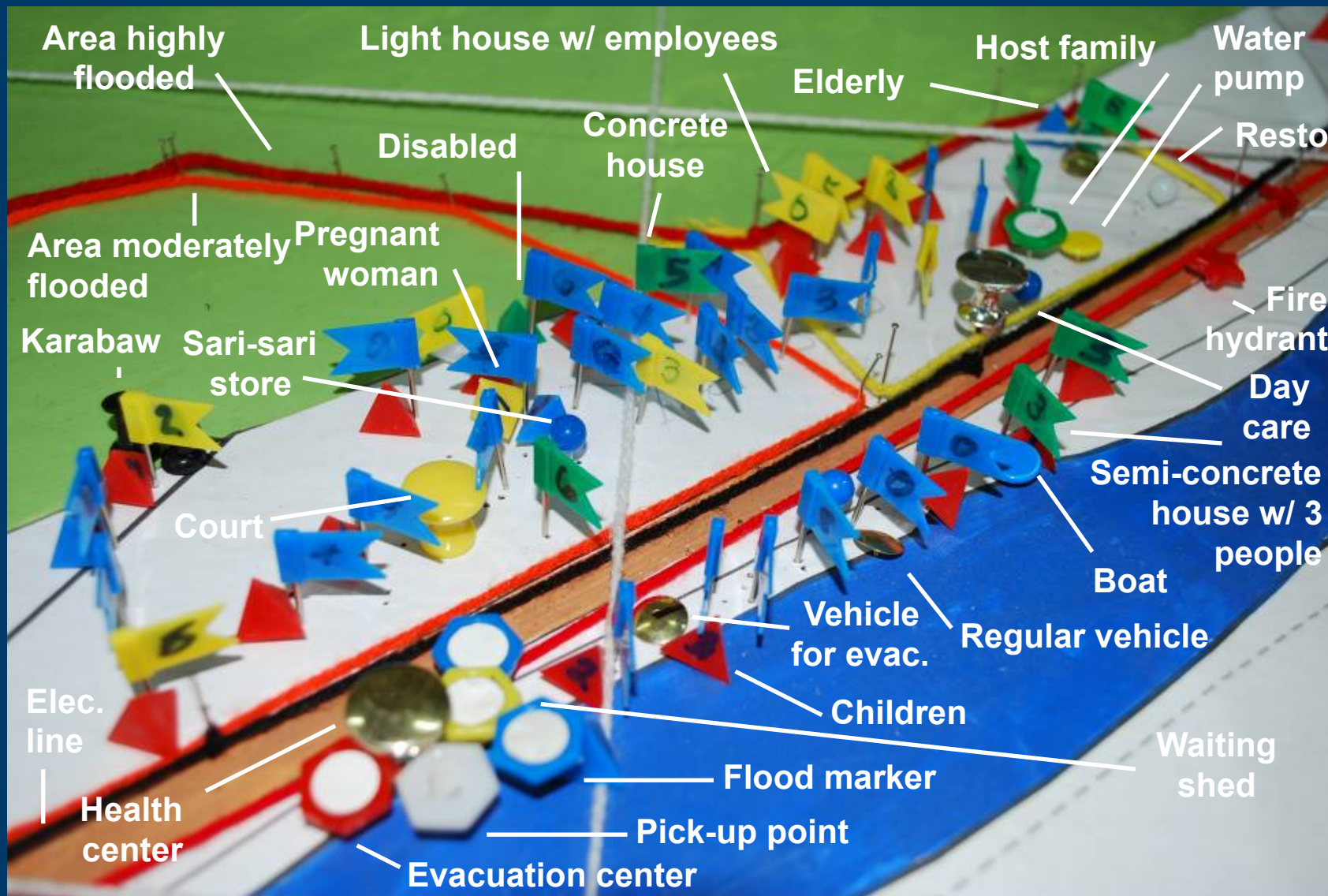
Scientific knowledge



Climatologists plotting climate hazards in Bourg Saint-Maurice, France, in May 2010

Participatory 3-Dimensional Mapping

Assessment



Easy-to-update disaster risk assessment in Dagupan, Philippines, in July 2009

Participatory 3-Dimensional Mapping

“Experts”



Local officials, NGO worker and community leaders discussing DRR in Josefina, Philippines, in January 2010

Participatory 3-Dimensional Mapping

Marginalized groups



Usually marginalized children engaged in face-to-face discussion with adults in Masantol, Philippines, August 2008

Participatory 3-Dimensional Mapping

Dialogue

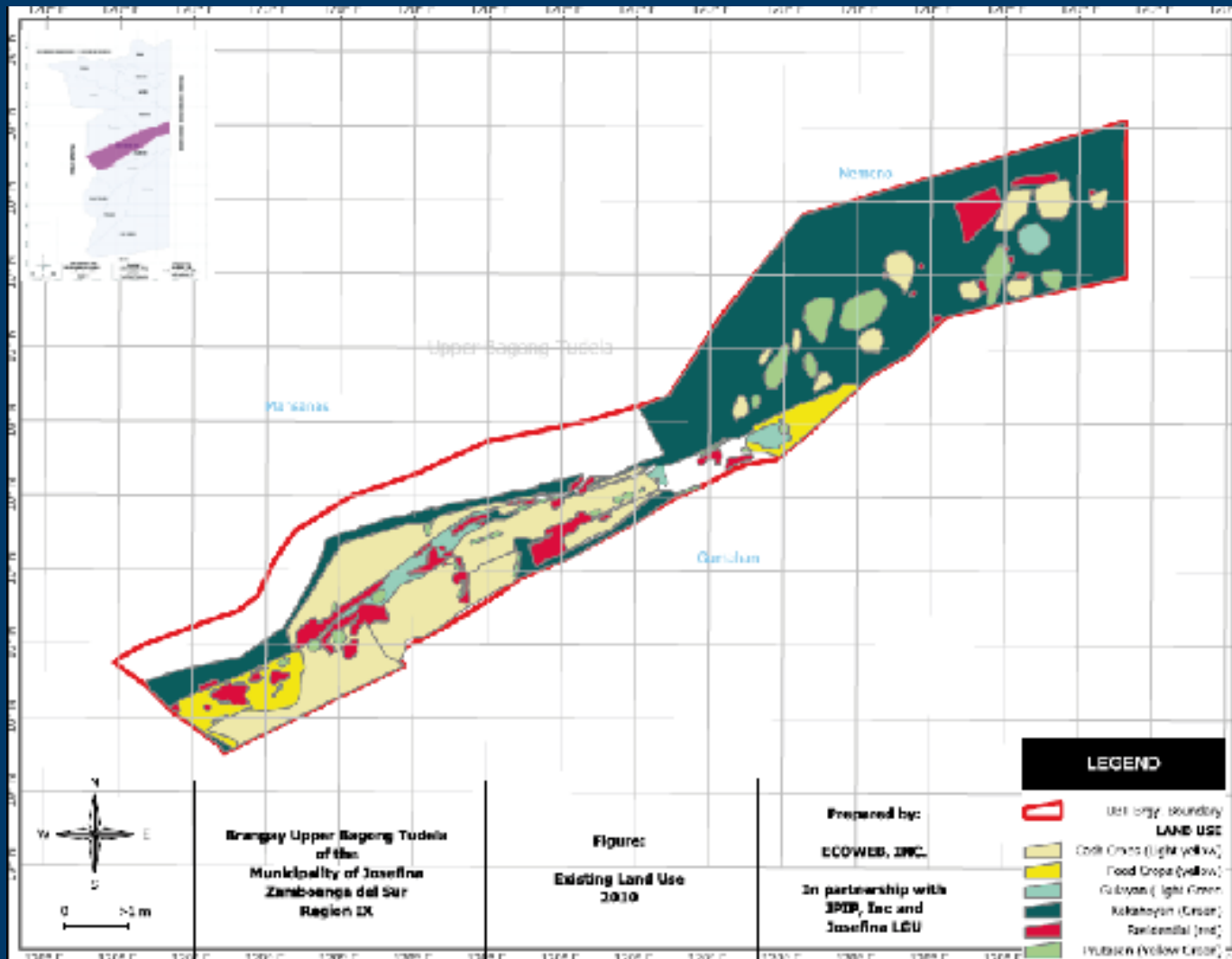


Volcanologist, municipal planning officer, school principal, village chief and locals discussing DRR in Irosin, Philippines, Jan. 2010

Integrating top-down and bottom-up

GEOG715 – 12 October 2010

Top-down



GIS map extracted from a P3DM and serving as cheap and detailed alternative to satellite images for the local government of Josefina, Philippines, in January 2010

Integrating top-down and bottom-up

GEOG715 – 12 October 2010

Bottom-up

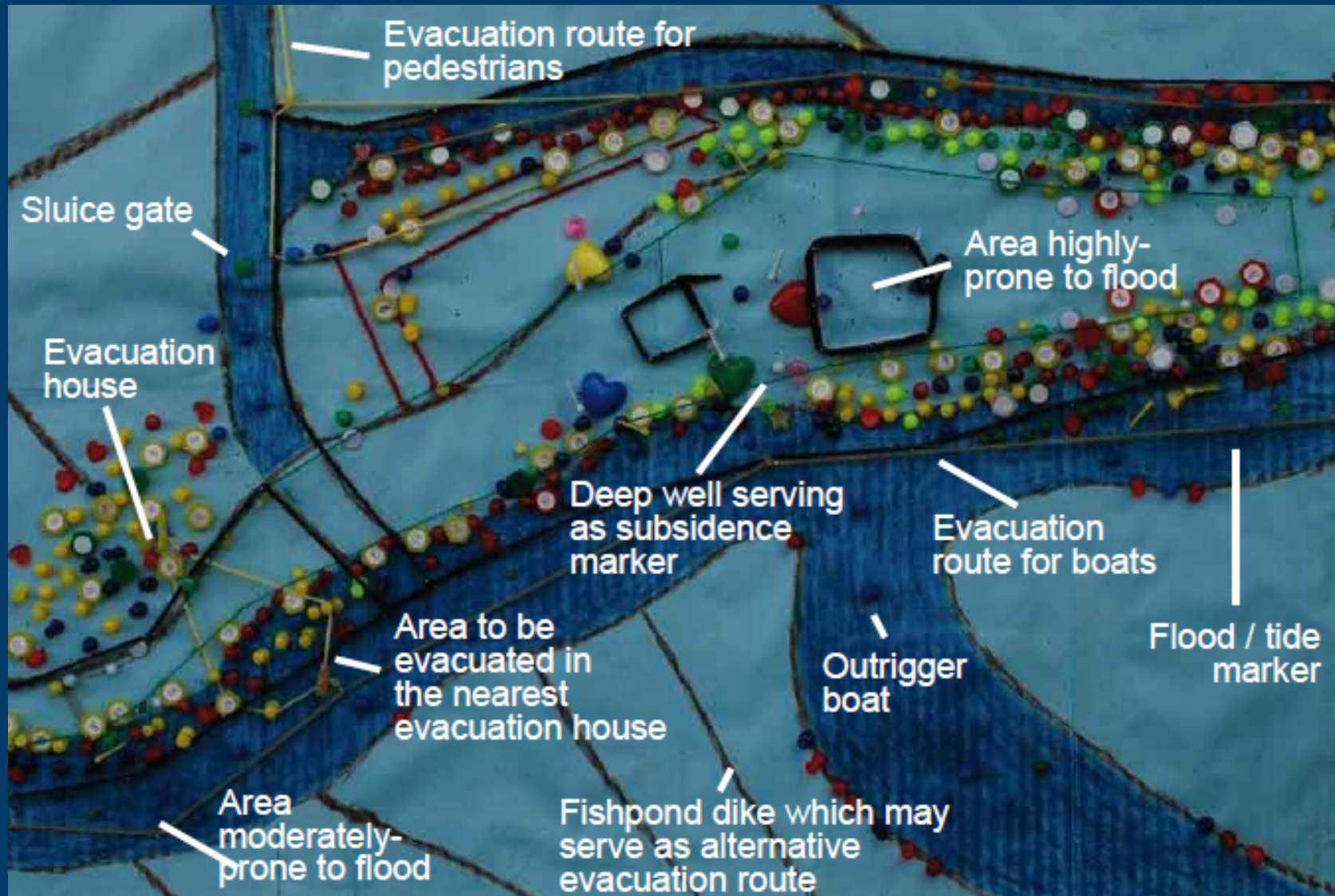


Tabular household data records of the village health workers linked to houses on the P3DM in Irosin, Philippines, January 2010

Integrating top-down and bottom-up

GEOG715 – 12 October 2010

Action



Disaster risk reduction planning in Masantol, Philippines, in August 2009

Participatory 3-Dimensional Mapping

Integration



Integrative planning in Masantol, Philippines, in August 2009

Limitations and perspectives

- P3DM is a tool which cannot stand alone. It should be combined with other tools common to vulnerability and capacities analysis (VCA) and participatory and learning actions (PLA).
- P3DM only partially covers social vulnerability / capacities and better applies to physical vulnerability / capacities.
- Variation of vulnerability and capacities in time (especially on the short term) according to population mobility, is another issue still to be addressed on the maps.
- P3DM is also highly dependent on the scale chosen for the map and thus on the space for storing it.
- Better sustainability is achieved when monitoring and upgrading of the map rely on the long-term implication of mapping facilitators from local NGOs or governments.

THE END

THANK YOU!

www.p3dmfordrr.com