

Participatory 3-Dimensional Mapping for Disaster Risk Reduction



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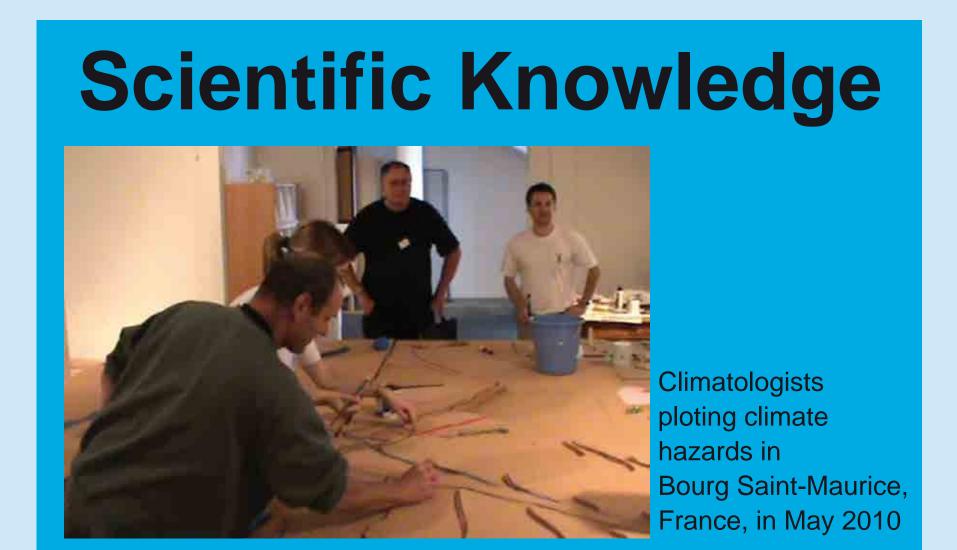
What is Participatory 3-Dimensional Mapping or P3DM?

Participatory 3-Dimensional Mapping (P3DM) consists of building stand-alone large-scale relief maps made of locally available and cheap materials (e.g. carton, paper, cork) over people overlap thematic layers of geographic information. P3DM enables the mapping of landforms and topographic landmarks, land cover and use, and anthropogenic features (assets, vulnerabilities and capacities), which are depicted by push-pins (points), yarn (lines), and paint (polygons). Scales range from 1:500 to 1:1000 and enable mapping and planning at the

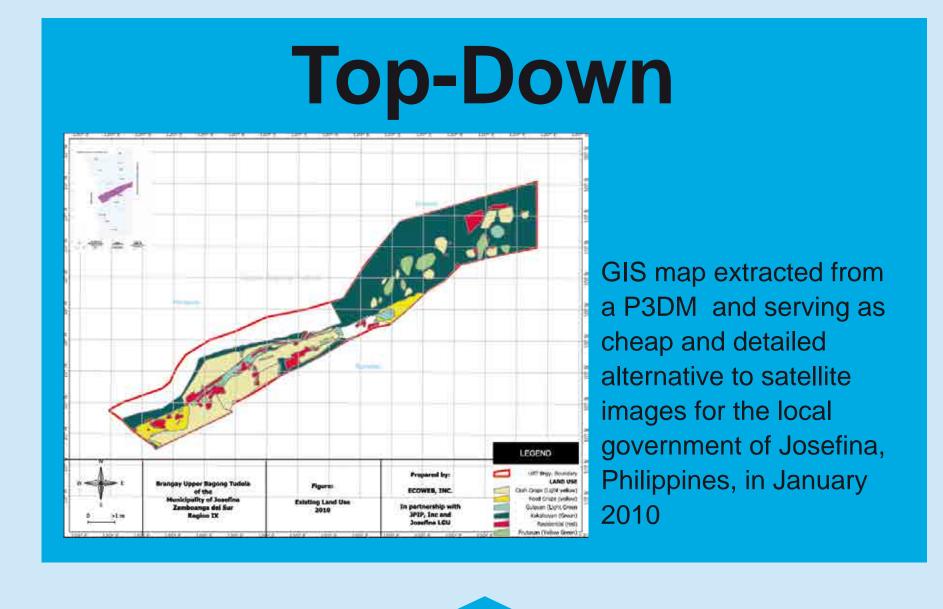


P3DM in Bourg Saint-Maurice, France, in May 2010

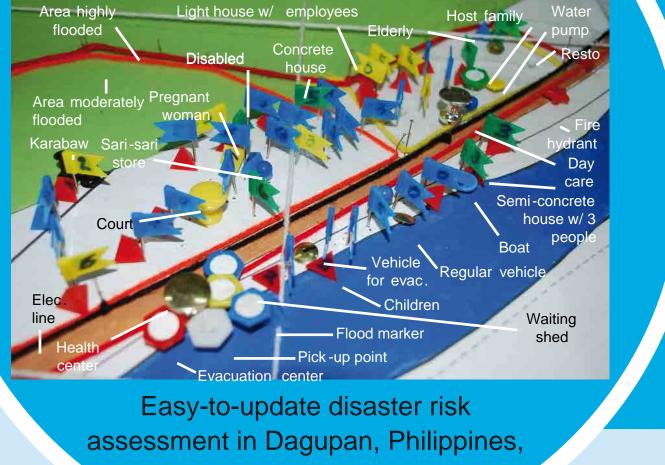
P3DM as an integrative tool for Disaster Risk Reduction (DRR)



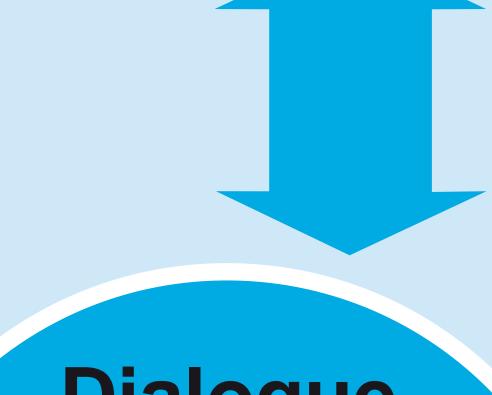


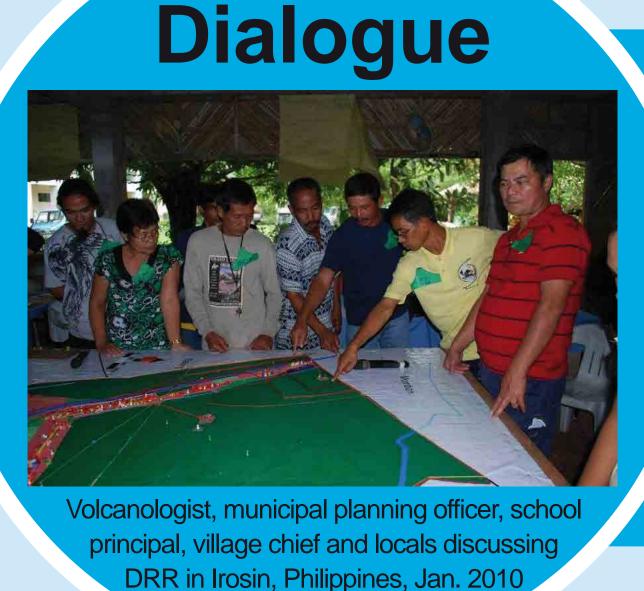




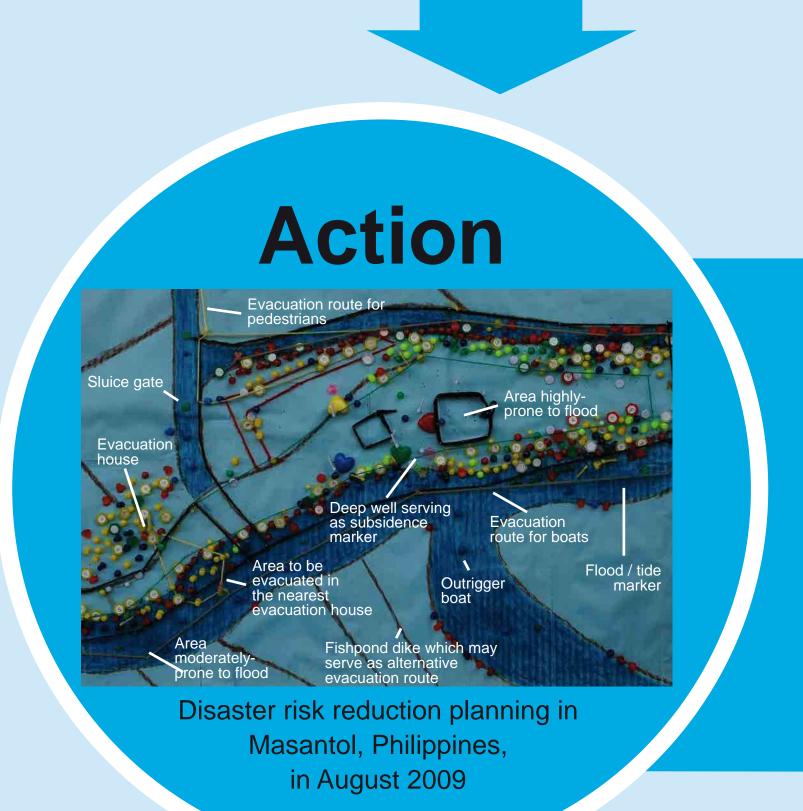


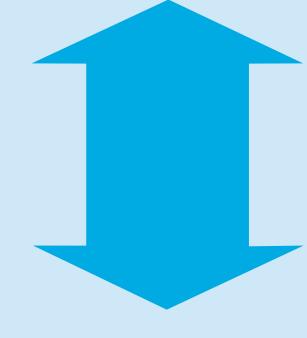
in July 2009

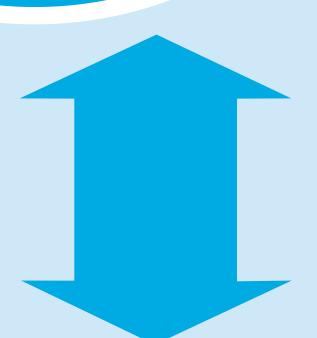


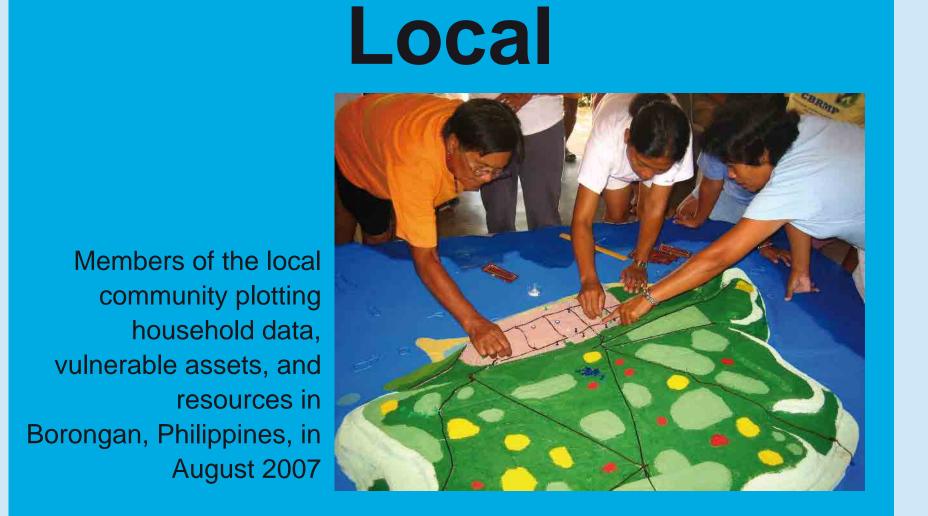












Marginalized Groups



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

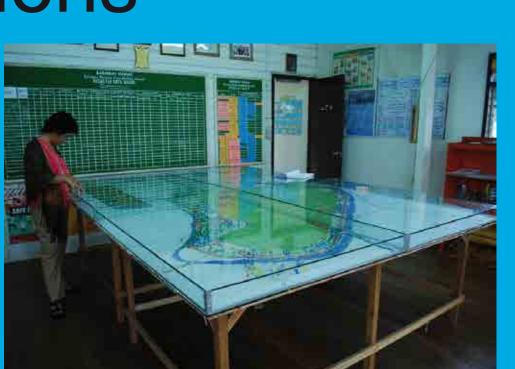
Bottom-Up Tabular household data records of the village health workers linked to houses on the P3DM in Irosin, Philippines, January 2010

References

Gaillard J.C., Cadag J.R.C. (2013) Participatory 3-dimensional mapping for disaster risk reduction: a field manual for practitioners. Catholic Agency for Overseas Development, London, .

Further scope and limitations

- P3DM allows livelihood mapping
- P3DM enables to integrate DRR into development planning
- P3DM facilitates the resolution of territorial conflicts
- But...
- P3DM is not a stand-alone tool
- P3DM offers limited possibilities to integrate time variations
- P3DM partially encompasses social relationships



P3DM in Dagupan, Philippines, in July

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