



CAPABILITIES STATEMENT

DISASTER RISK REDUCTION (DRR) AND DISASTER RESPONSE

iMAP supports Disaster Risk Reduction (DRR) with information management (IM) services that build capacity, facilitate coordination, and enhance preparedness and response operations, **assisting our partners** (UN, NGOs, Governments) to make progress towards achieving the goals of the **Sendai Framework for Disaster Risk Reduction**.

CAPABILITIES



IM Surge Capacity and Capacity Building in DRR systems, covering data collection, analysis and visualization, database administration, software development and management, communication and coordination.



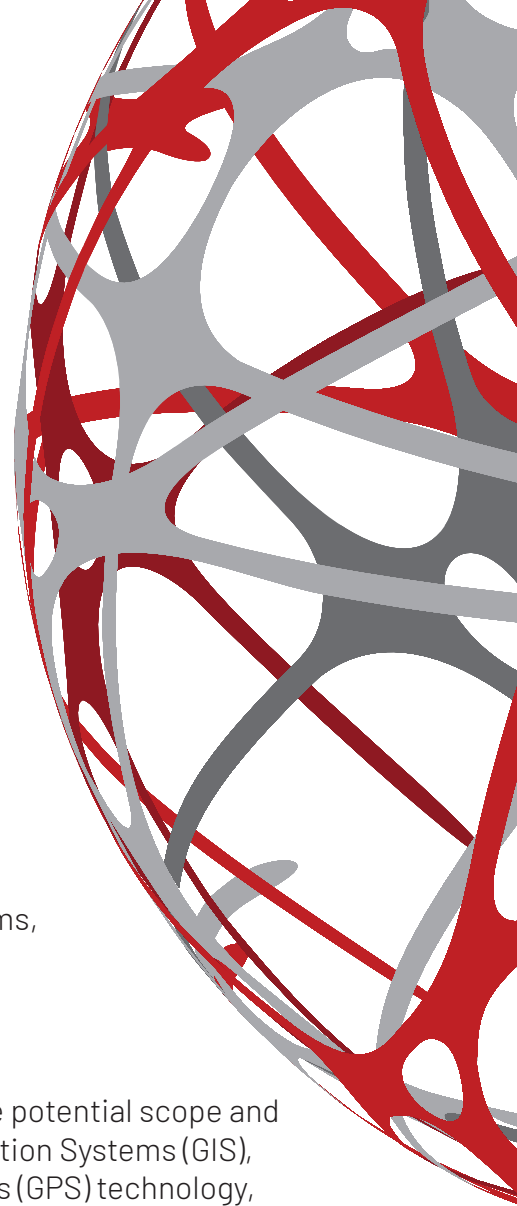
Hazard Modelling and Risk Assessment identifying the potential scope and impact of disasters supported by Geographical Information Systems (GIS), remote sensing capabilities, Global Positioning Systems (GPS) technology, crowd sourcing, participatory mapping, and mobile data capture tools.



Common Operating Picture (COP) of humanitarian needs, resources, and activities, including gap analysis and response plan, through compilation and distribution of critical DRR and relief operations information.



System Integration and Workflow Management to enable streamlined information flows within and across government bodies, funding agencies, implementing organizations and other stakeholders.



DIFFERENTIATORS

Cross-sector presence enabling successful and sustainable information management (IM) systems. With DRR as a cross-cutting theme, we support all clusters and sectors, such as Food Security, Early Warning, WASH, or Health.

Customized technology including proprietary and open source, spatial and non-spatial, new and existing tools.



Long-term and diverse experience addressing technical and political challenges in humanitarian crisis settings, including disaster-prone regions.

Functional expertise including health, food security, environmental science, social science, security and protection, disaster response and recovery, and humanitarian coordination.

CURRENT AND PAST PERFORMANCE

Country-based humanitarian IM services for early warning, disaster preparedness and response:

AFGHANISTAN:

- **USAID OFDA DRR Program:** Data analysis and data visualization services on landslides, droughts, avalanches, and earthquakes.
- **Vulnerability and Hazard Mapping:** Climate Change, Drought Severity, Drought Risk Probability, and Vegetation Health Index.
- Afghanistan Resilience Consortium's **Community-Based Disaster Preparedness Plans Dashboard.**



PAKISTAN:

- **COP for National Disaster Management System** through USAID OFDA.



Surge capacity and rapid deployment for emergency response operations and coordination in post-disaster settings:

- **IM officers deployed** in Panama, Mali, Sudan, South Sudan, Somalia and Mozambique through the **UN Stand-by Partnership Programme (SBPP).**
- Support to WHO for **Health Cluster activities in disaster response operations** in South Sudan, Central African Republic, Jordan, Iraq, the Philippines, Nepal, and Mozambique.
- Facilitation of Colombian floods national and international response with IM support through CDC.
- **Haiti disaster needs assessment** and energy infrastructure survey with BKW-FMB Energy Group.



Development and implementation of IM tools and systems to facilitate DRR activities:

- **Afghanistan Spatial Data Center:** remote sensing and GIS for prediction of potential damage to populations, infrastructure, and cultivated lands from floods, landslides, droughts, avalanches, and earthquakes facilitating operational planning, emergency response, and M&E.
- Development of **Incident Management System (IMS) for the Afghan Ministry of Public Health's Command Control Center**, tracking all incidents in the country, including those caused by natural disasters.
- Development of a **Central Asia Regional Climate Information Platform** in partnership with the International Center for Agricultural Research in the Dry Areas (ICARDA).



BETTER DATA

Improve data quality, collection and timeliness to stimulate sharing and coordination



BETTER DECISIONS

Analyze and visualize data to support evidence-based decision-making



BETTER OUTCOMES

Maximize program outcomes and make a measurable difference