

Climate Resilience and Disaster Management Seminar

Session 5: Strengthening Disaster Management through Integrated Geospatial Systems

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MapAction

About me

GIS and Web Mapping Specialist

British Antarctic Survey

Using Geospatial technologies for BAS Operations, including supporting fieldwork, air operations and ship operations.



**British
Antarctic Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

Geospatial Deployment Volunteer

MapAction

- Using GIS to support communities
- Anticipatory Action and Preparedness
- Emergency Response



**MAP
ACTION**







150+
Emergency Responses

500+
Training Events Conducted

60+
Expert Volunteer Members

4
Partnerships with Regional Disaster Management Agencies

9
Inhouse Data Scientists

35+
GIS Specialists

12+
Languages Spoken

16+
Earthquake Responses

110+
Countries Worked In

Putting humanitarian data on the map since 2002.
www.mapaction.org



Humanitarian crisis:

Nearly

300

million people were estimated to need humanitarian assistance in 2024*

Climate emergency:

2000-2024:

50+

cyclones in Madagascar alone

Depleted resources:

£bns

short of UN-estimated requirement to meet needs

MapAction #Ready2Respond:

75+

GIS-officers on-demand

150+

emergency responses since 2002



MapAction brings geospatial expertise and capability development to humanitarian and disaster management organisations worldwide.

Through locally-driven partnerships, we support operational decision-making before and during catastrophes, conflicts and health crises. Our mission is to contribute to a world in which...

...nobody is left behind when data could have helped





Towards local Anticipatory Action worldwide

July 2023: MapAction begins broad worldwide programme on Anticipatory Action (AA)



MapAction's service offer

Enabling better humanitarian decision making, through a clearer understanding of the available data.

01

Anticipatory action and early warning systems

- Identification of risk
 - AA risk model development support
 - Early warning system
 - Support simulation exercises and framework activation reviews/learning
- AA data standardisation
- Impact preparedness
- Support enacting AA and early action protocols
- Training and mentoring for local ownership

02

Disaster/Crisis response

- Data preparedness
- Crisis/Surge support
- Post disaster needs analysis
- Post disaster handover and support
- On site and remote

03

Geospatial and data training and capacity building

- Training courses
- Disaster simulations
- Troubleshooting workshops
- Coaching, mentoring and job shadowing

04

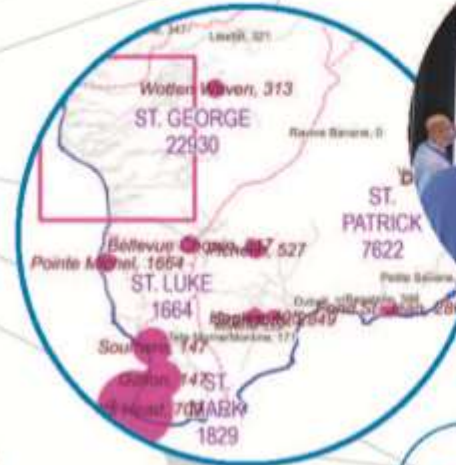
Health

- Stakeholder needs mapping
- Data quality
- Data collection assessment and advice
- Geospatial analysis
- Health emergency mapping

05

NGOs / INGOs

- Fractional geospatial teams
- Training and coaching
- GIS advisory services



Thank you

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