

# What we offer

We enable organisations to use maps and data in effective and innovative ways to assist all aspects of humanitarian work, including emergency response, emergency preparedness and anticipatory action.

**We can help you with:**

**DATA**

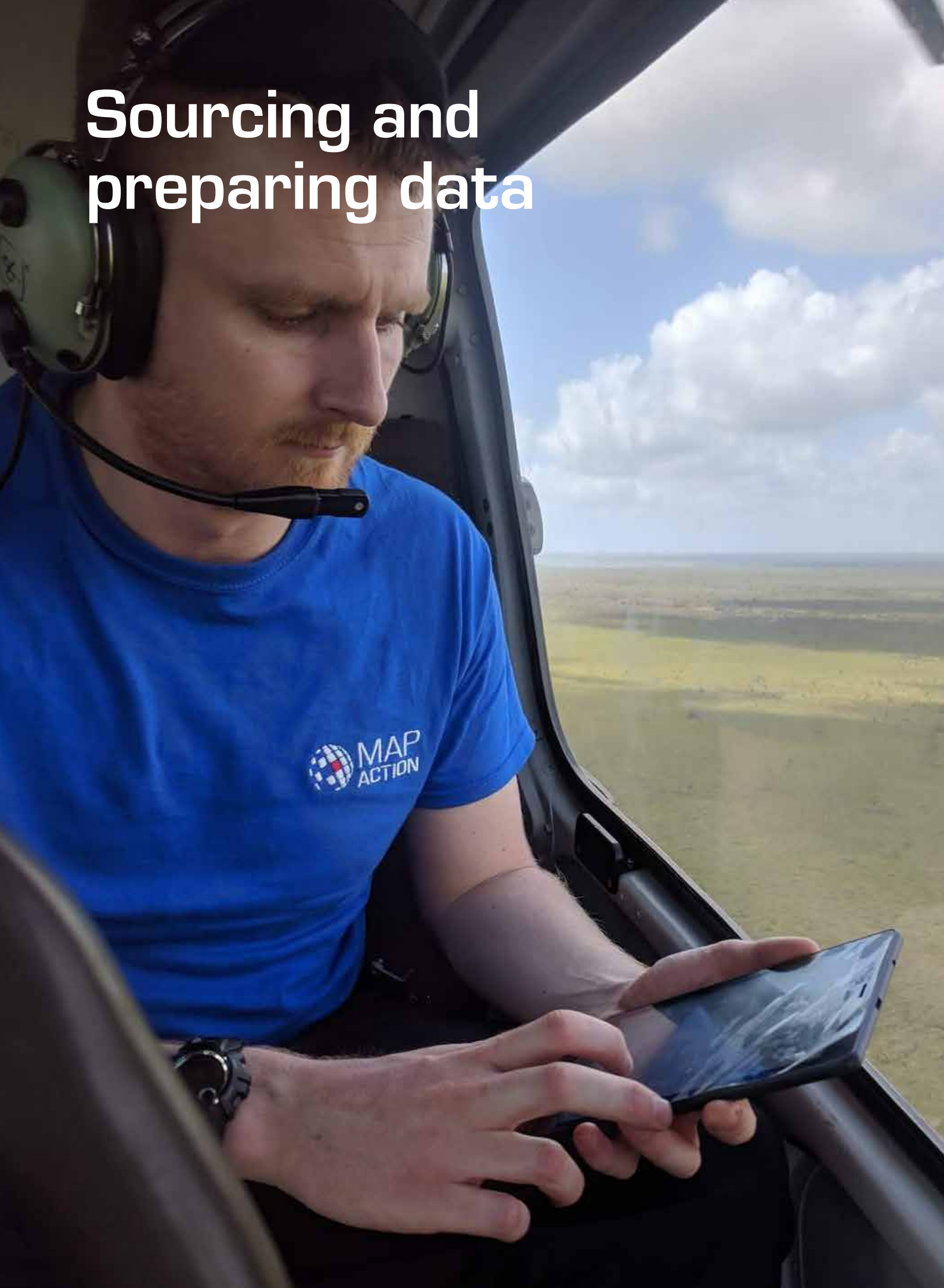
**ANALYSIS**

**VISUALISATION**

**TRAINING**



# Sourcing and preparing data

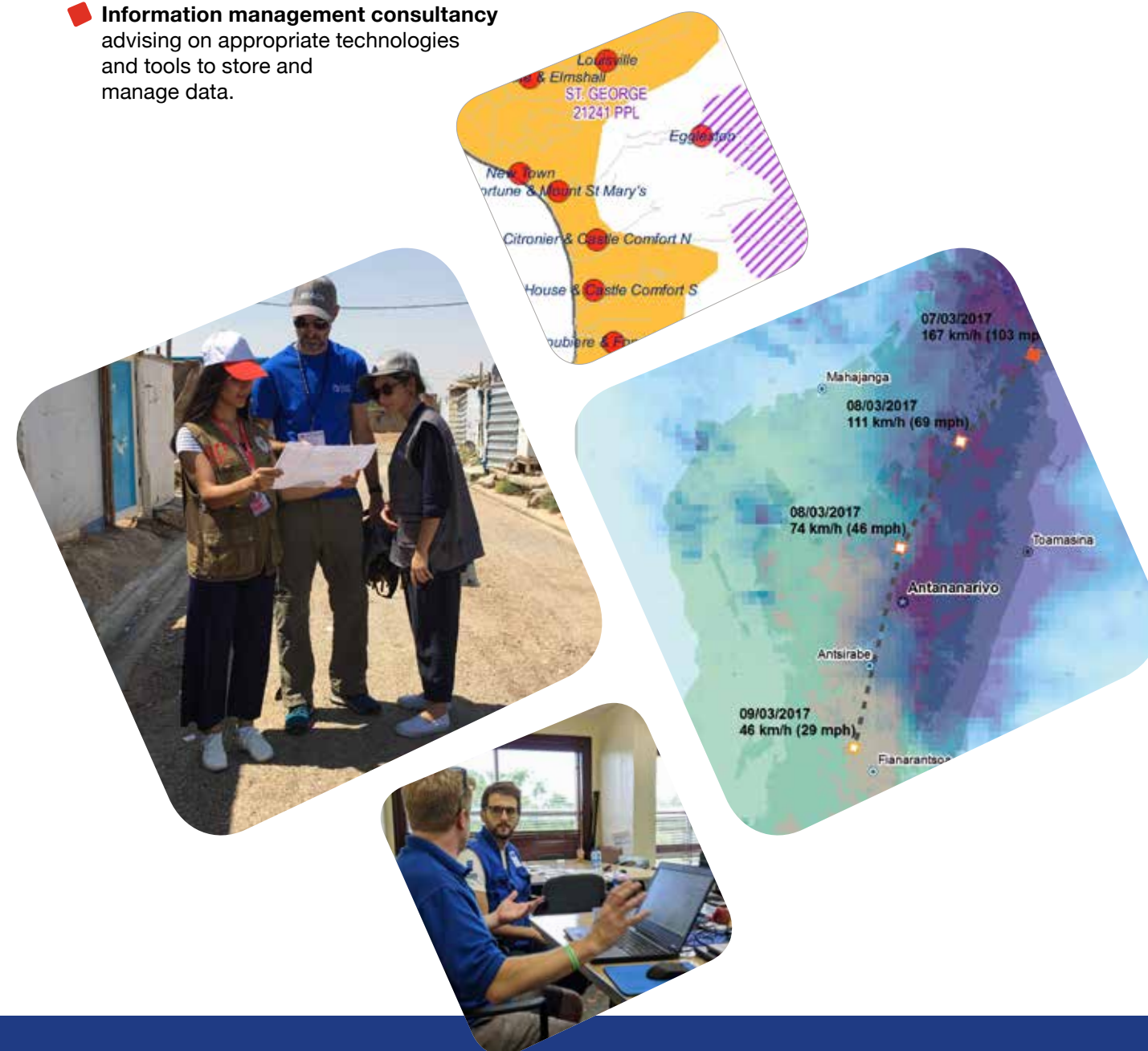


## Preparedness and anticipatory action:

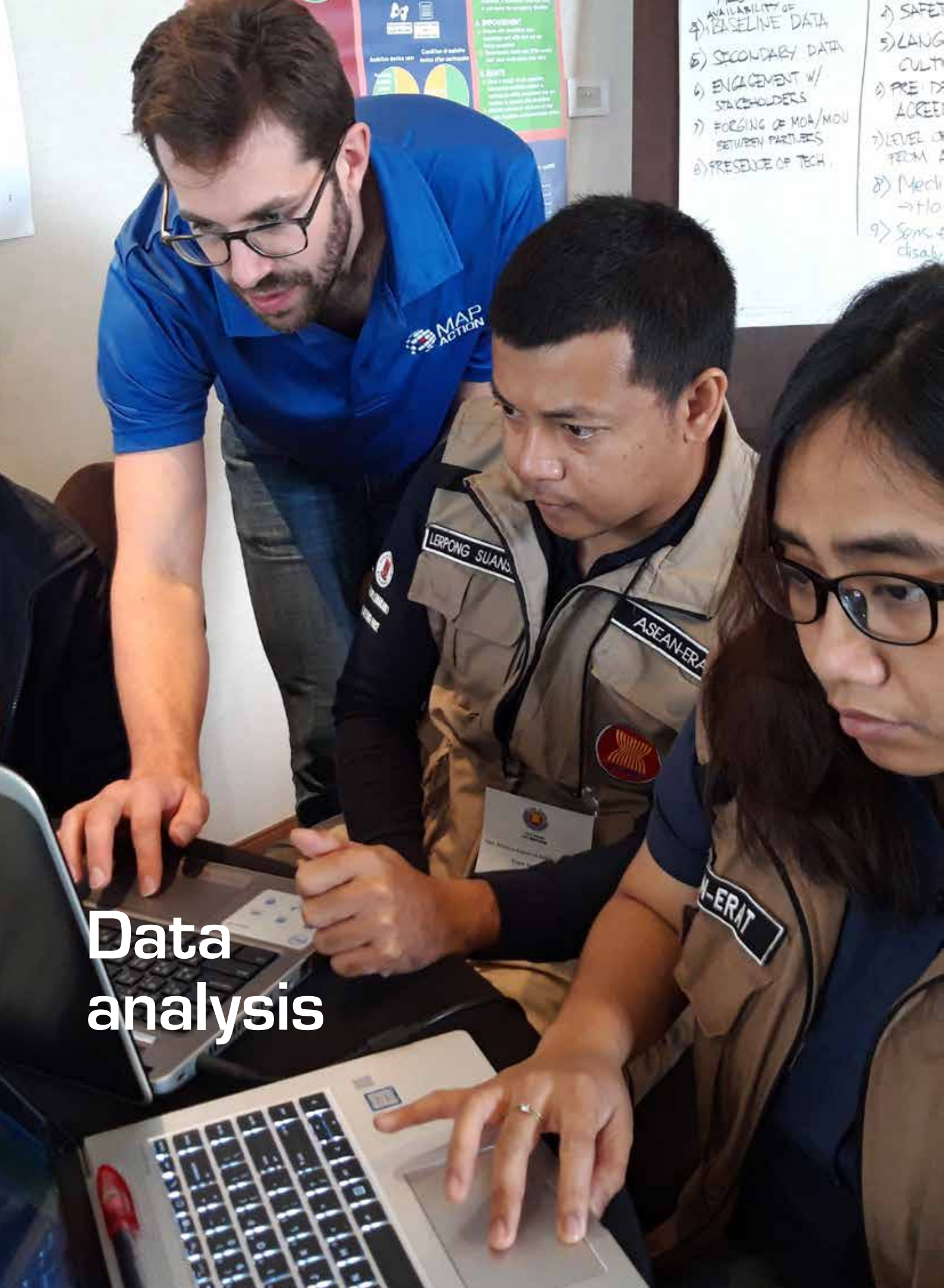
- ◆ **Country/regional data preparedness**  
acquiring and preparing the best-available data, ensuring it is immediately usable in the event of a humanitarian crisis
- ◆ **Data deep dives**  
researching in depth the quality and availability of data and information available on a specific topic
- ◆ **Data quality assessments**  
evaluating available data, identifying gaps and quality issues and proposing solutions
- ◆ **Processing data**  
preparing authoritative reference data (Common Operational Datasets and other bespoke data packages) for use by non-data-specialists
- ◆ **Survey design**  
formulating effective data-collection surveys in Kobo or Survey 123
- ◆ **Information management consultancy**  
advising on appropriate technologies and tools to store and manage data.

## Emergency response:

- ◆ **Event-specific data sourcing**  
particularly where we have previously sourced and prepared relevant data
- ◆ **Design of event-specific data-collection mechanisms**  
e.g. structuring aerial assessments of disaster areas.







Data analysis



**Preparedness and anticipatory action:**

- **Supporting anticipatory action**  
applying advanced data analysis methods to predict and reduce the impacts of emergency events such as floods or droughts before they occur.

**Emergency response:**

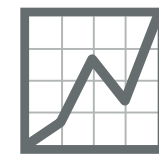
- **Operational data models**  
analysing data and devising ways to assess things like flood extents or transport routes
- **Who, what, where, why and when?**  
known as 3, 4 or 5W mapping, this helps operations teams see what each other are doing
- **Gap analysis**  
determining whether aid requirements are being met and flagging any unmet needs.







# Mapping and visualising data

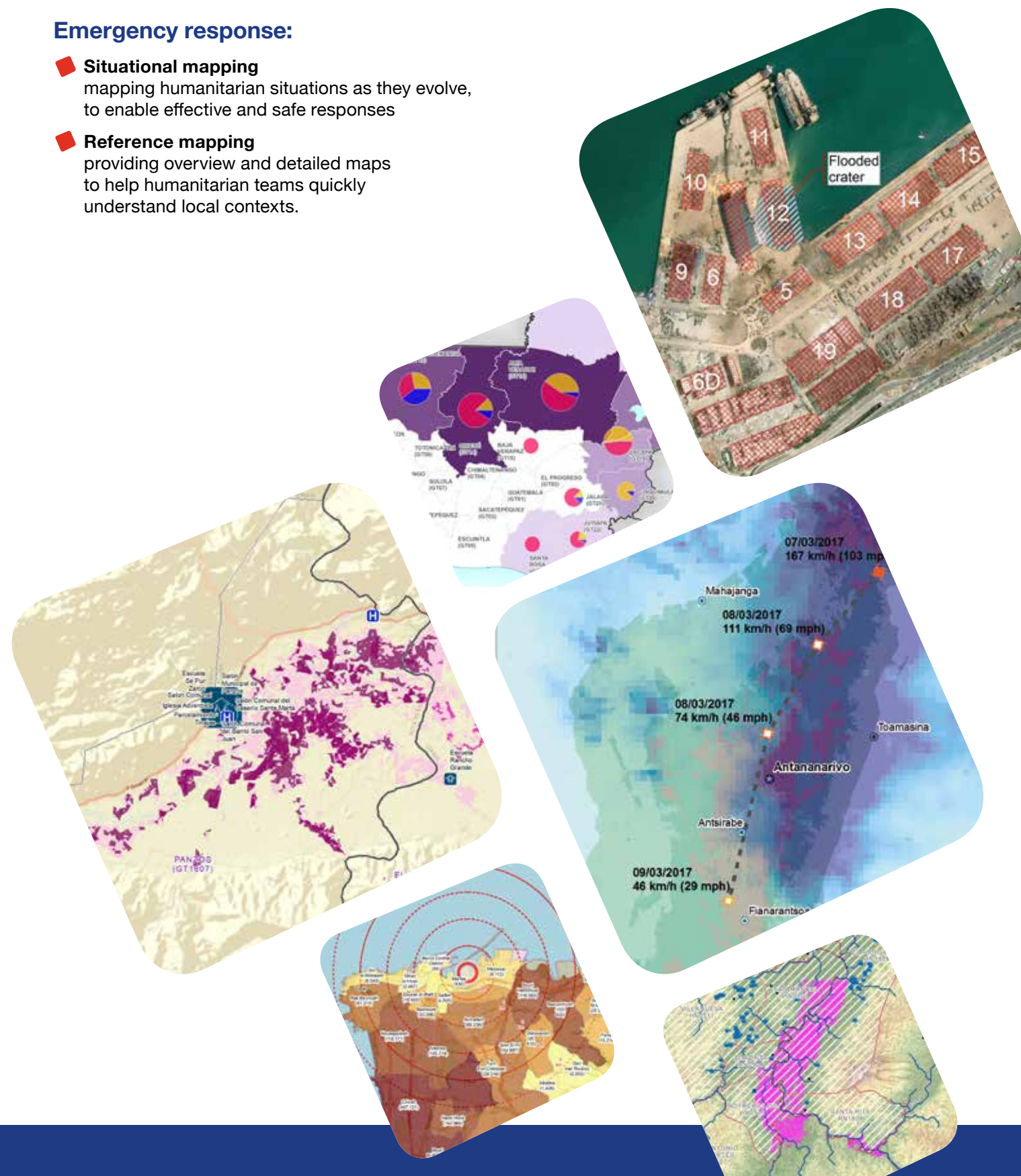


## Preparedness and anticipatory action:

- **Core and baseline maps**  
creating static and dynamic maps that are useful at anytime, before, during or after a humanitarian emergency
- **Bespoke maps**  
creating maps, either in-country or remotely, to fulfil specific identified needs.

## Emergency response:

- **Situational mapping**  
mapping humanitarian situations as they evolve, to enable effective and safe responses
- **Reference mapping**  
providing overview and detailed maps to help humanitarian teams quickly understand local contexts.







# Training and knowledge sharing

## Preparedness and anticipatory action:

- ◆ **Capacity building**  
training humanitarian staff at all levels to understand and use mapping and data tools and techniques effectively
- ◆ **Bespoke GIS courses**  
training in geographical information systems tailored to local/regional contexts or specific humanitarian situations
- ◆ **Simulation exercises**  
helping to design and deliver realistic disaster-simulation exercises to practice essential data and mapping skills.

## Emergency response:

- ◆ **Ad-hoc training**  
providing people with the skills they need to carry out data and mapping tasks related to a particular humanitarian response.





For more information about our services and how we can help you, please call us on **+44 (0) 1494 468 899** or email [info@mapaction.org](mailto:info@mapaction.org)



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