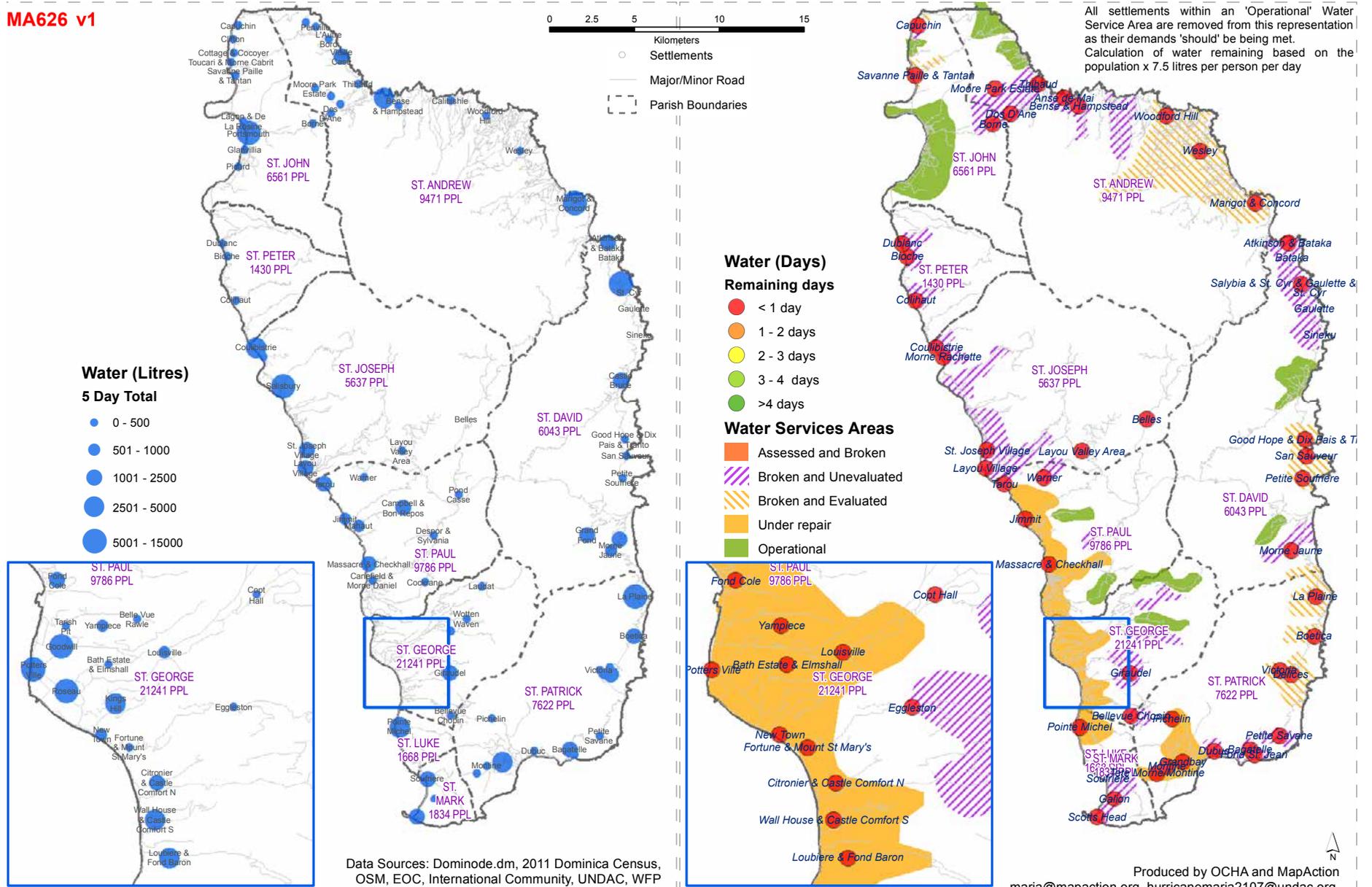


Dominica

In 2017, Hurricanes Irma and Maria devastated parts of the Caribbean.

MapAction responded quickly and in numbers, producing hundreds of maps, including this one showing the urgent need for water in Dominica, which took a direct hit from Category 5 Hurricane Maria. MapAction volunteers were amongst the first to arrive, and were in the midst of the response throughout.

MA626 v1





In the aftermath of a disaster, the entire landscape can be transformed. Maps are crucial to help make rapid sense of the chaos and plan the best response to save lives, minimise suffering and reduce long-term impacts. Without maps telling them what's happening on the ground, aid-givers can be blindfolded.

MapAction works across the globe to ensure disaster response teams have access to the maps and data they need whenever they're needed. As well as helping to prepare for emergencies before they happen, our team of expert volunteers is ready to respond to disasters in-country or remotely, anywhere in the world and at very



short notice, to provide life-saving maps and data.

Although MapAction is a small organisation, by working through a team of highly skilled volunteers and operating at the heart of humanitarian responses to improve their effectiveness, we are able to have a profound and far-reaching impact, making aid go much further.



Message from HRH The Duke of Sussex



I have been extremely impressed with MapAction's volunteer members' work during my time as Patron - applying their expert knowledge in a smart and focused way for maximum humanitarian benefit.

As a result, MapAction's work has saved and improved the lives of many millions of people around the world.

I am proud to support this unique and impactful organisation. I hope you too will be inspired to support its valuable work.

It started with a good idea...

An emergency water engineer working in Bosnia in 1994 found that he and his colleagues lacked maps to plan and coordinate the delivery of aid that was urgently needed, as well as help them avoid stumbling into danger.

“ The best information we could get in the chaos of the Idai response was YOUR map of health facilities with GPS coordinates and full name in a concise map. Thank you for that and all your fantastic work! Your presence in any disaster is really important and it is amazing what you are doing, knowing that you’re making your incredible contribution as volunteers. ”

Axel Schmidt,
Emergency Response Coordinator,
ASB (German international NGO)
and Sphere Focal Point, Germany

Realising that this was a common problem, he began working, together with his father, on a solution that ultimately took the form of MapAction. Today we are a leading humanitarian mapping organisation.

Since 2003, MapAction has deployed humanitarian mapping experts to more than 80 disasters and emergencies and provided remote support to teams responding to countless more. This has

enabled us to build up a deep, broad and highly valuable body of experience and understanding of all aspects of humanitarian information management. We use this expertise to help organisations and governments around the world prepare for and respond to disasters and emergencies.

Our work depends on our team of over 70 highly skilled, trained and dedicated volunteers, supported by a much smaller

number of staff and trustees. In their day jobs, MapAction volunteers work in a range of fields from Antarctic surveying to engineering. They come to us with expertise and experience in mapping, data science and geographical information systems (GIS) and our intensive training programme equips them with all the skills they need to work effectively in humanitarian situations.



How we work

MapAction never works in isolation. We hold long-term relationships with key partners including the United Nations, non-governmental organisations (NGOs) and regional disaster management agencies.

 We collaborate with our partners to understand exactly what information they need and then ensure that requirement is met, quickly and proficiently. We recognise that there are hundreds of agencies out there that are well placed to deliver aid and emergency support – our niche is to work with them to help them do that as effectively as possible.

Our vision is for a world where vulnerable people are resilient to humanitarian emergencies and those assisting them are better informed through effective use of technology. As the global humanitarian environment is evolving, so are we. Technical advances, an increasing number of information providers, localisation of humanitarian assistance and rapid urbanisation are among the changes

creating new opportunities for us to continuously enhance and expand our reach and impact.



“ MapAction is one of the few entities that can use data analysis to quickly inform strategic decisions when data is limited, dirty or unstructured. ”

Mark McCarthy

Information Management and Analysis
at United Nations Human Rights



“ I would like to thank the MapAction team for its flexibility and professionalism throughout the mission... Once again, MapAction has demonstrated its added value to the UNDAC system. ”

Rudolf Müller

Chief, Emergency Response Support Branch (ERSB),
United Nations Office for the Coordination of Humanitarian Affairs (UN OCHA)

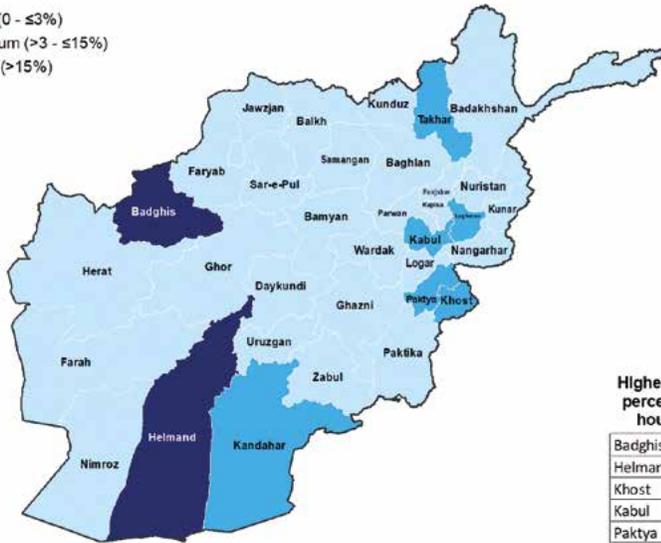


Afghanistan

In 2018, a MapAction volunteer worked with our partner REACH in Kabul, Afghanistan, to oversee the collection, visualisation and mapping of hard-to-reach data across the country to help humanitarians meet the needs of the population.

Severity

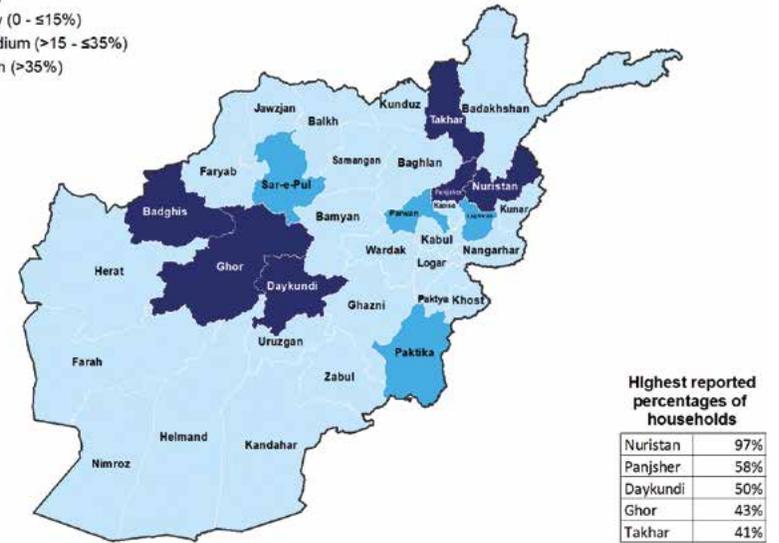
- Low (0 - ≤3%)
- Medium (>3 - ≤15%)
- High (>15%)



% of displaced households living in open areas/tents

Severity

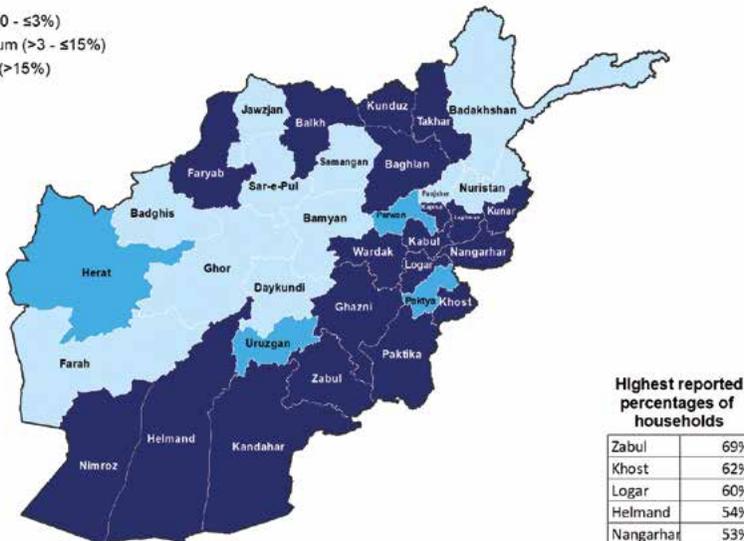
- Low (0 - ≤15%)
- Medium (>15 - ≤35%)
- High (>35%)



% of displaced households without access to improved water sources

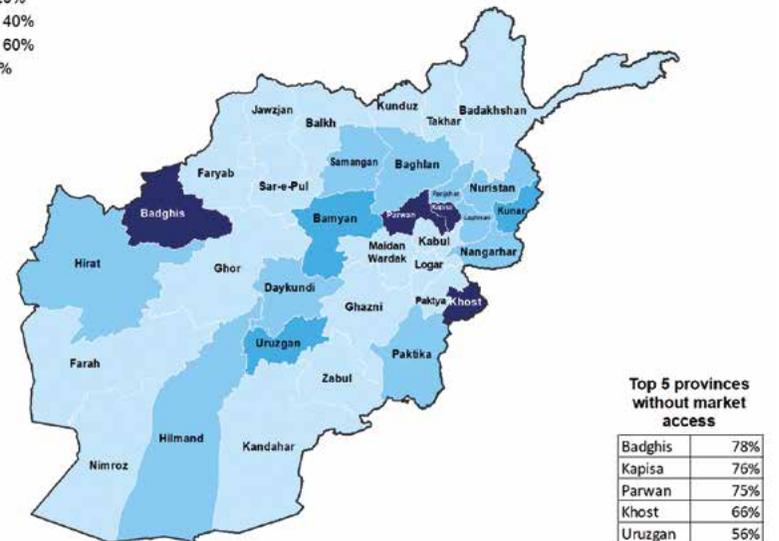
Severity

- Low (0 - ≤3%)
- Medium (>3 - ≤15%)
- High (>15%)



% of displaced households reporting that their child is most at risk on their way to or at school

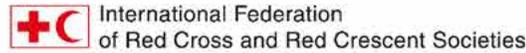
- 0 - 20%
- 21 - 40%
- 41 - 60%
- >60%



% of displaced households without physical access to a market

Cyclone Idai - results and analysis of aerial survey

As of 29 March 2019



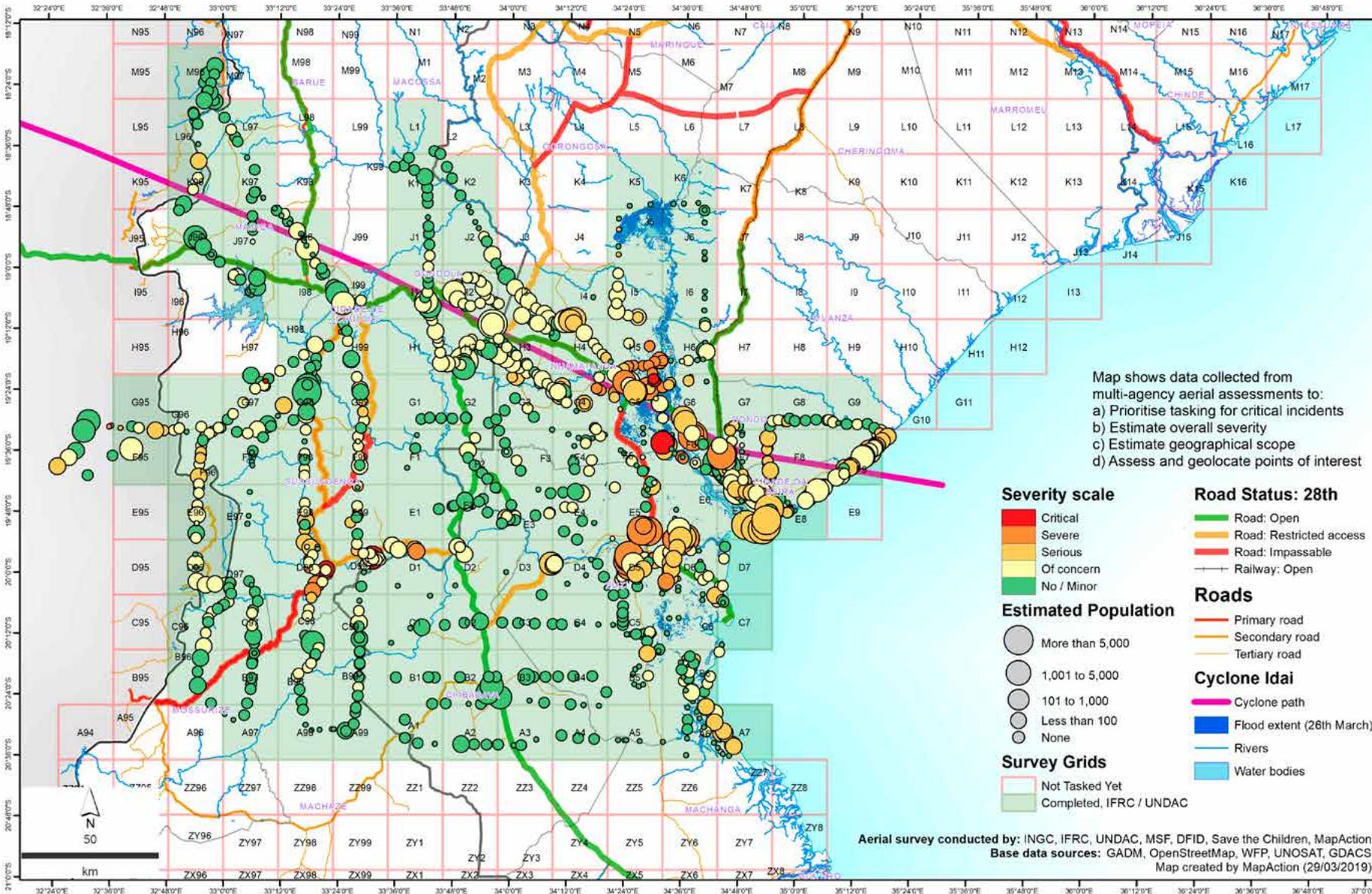
Mozambique

MapAction supported the response to Cyclone Idai in Mozambique working closely with the UN, the Government of Mozambique and other partners.

Over 2,000 copies of different iterations of this aerial survey map were printed and used by agencies getting help to those affected.

“As always, MapAction is really making a difference to the response. The whole system is reliant on your products and I'm using them to brief the Minister daily. He values them highly as do I in supporting both strategic and operational planning. You have once again made yourselves indispensable...”

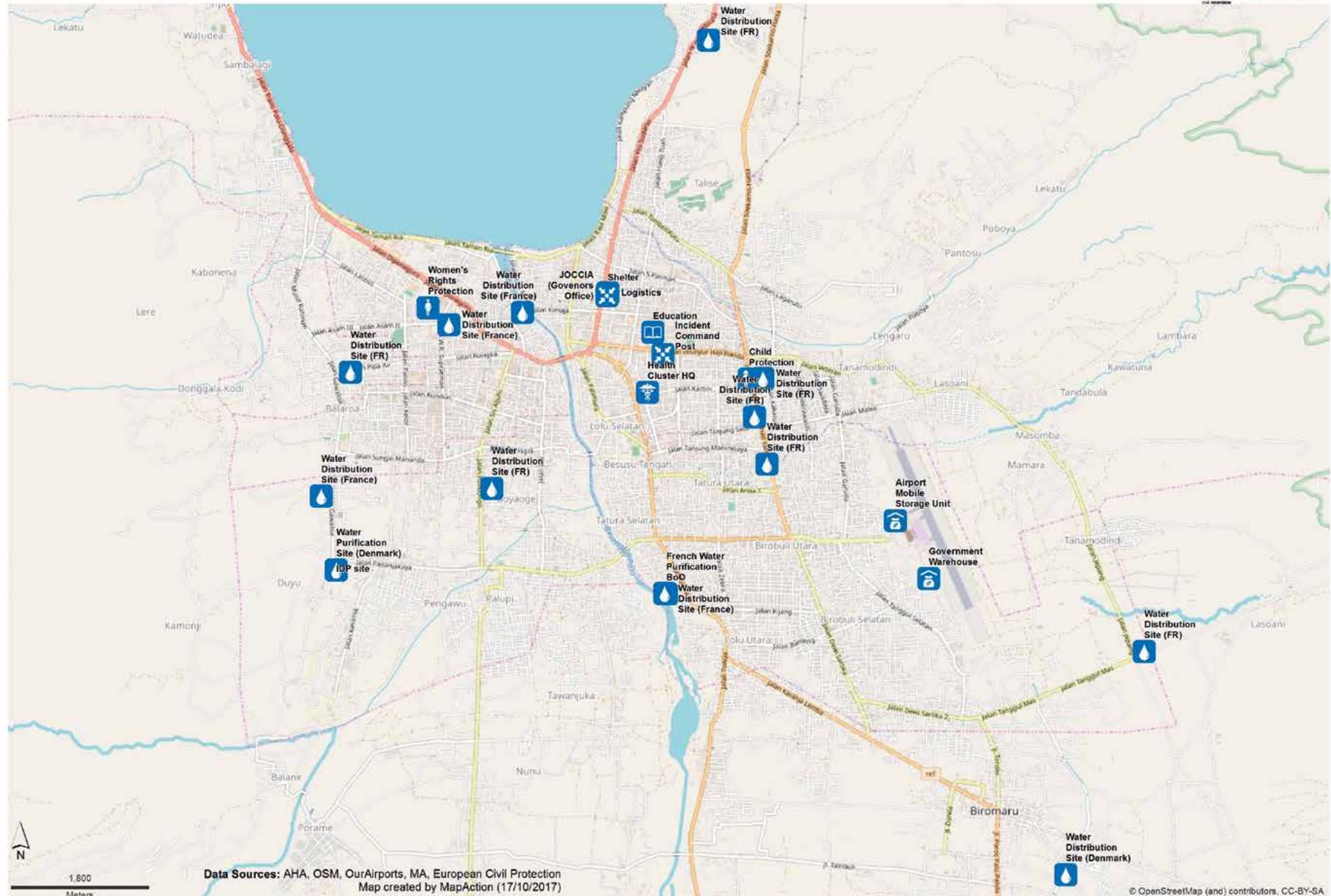
Sebastian Rhodes Stampa, UN Deputy Humanitarian Coordinator for Mozambique



Indonesia

Thanks to our close working relationship with the AHA Centre, the regional disaster management body for Southeast Asia, we were able to directly support the response to the 2018 Sulawesi earthquake and tsunami.

MapAction team members were stationed in the worst-hit city of Palu and the regional coordination centre in Jakarta, as well as helping remotely.



Responding to humanitarian emergencies

Our well-rehearsed deployment model means our volunteer mapping professionals can be at the scene of a disaster within 24-48 hours. Even before they arrive in-country, we start collecting data and information that will be crucial in helping coordinate the world's response.

 In the first phase of a humanitarian emergency, our maps help identify and communicate the areas of greatest need as well as hazards and barriers such as blocked roads or landslide risks that could hamper rescue efforts. As the situation on the ground evolves, our volunteers help national authorities, aid agencies and emergency teams

understand and respond to the fast-changing needs of affected communities.

As well as rapid-onset disasters such as tropical storms, earthquakes, floods and landslides, we are called upon to assist in longer-term, complex emergencies such as epidemics, conflict and population displacement. MapAction has played

a vital role in the co-ordination of the international responses to some of the most serious emergencies of recent times, including the Ebola epidemic of 2014, the Haiti, Nepal and Indonesian earthquakes, the Iraq war, refugee crises in Europe, Africa, Asia and Latin America and major storms such as Hurricanes Winston, Irma and Maria and Typhoon Haiyan.



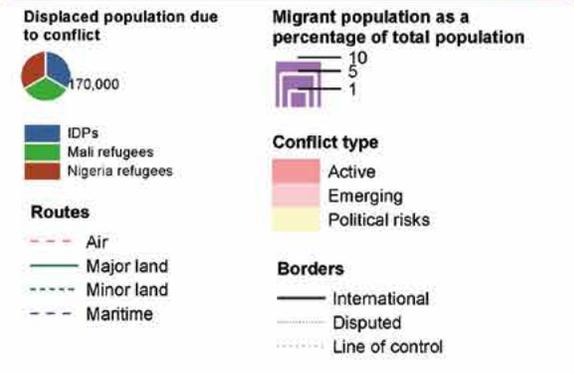
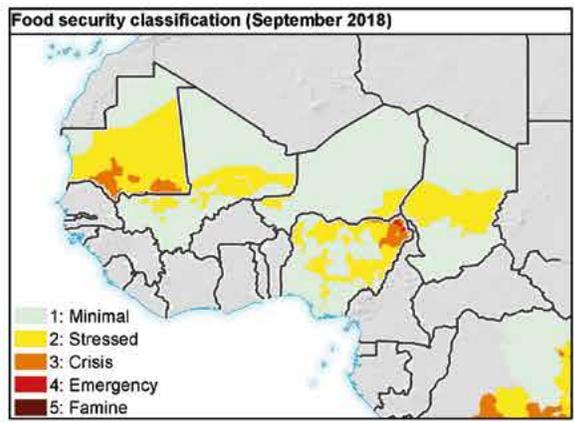
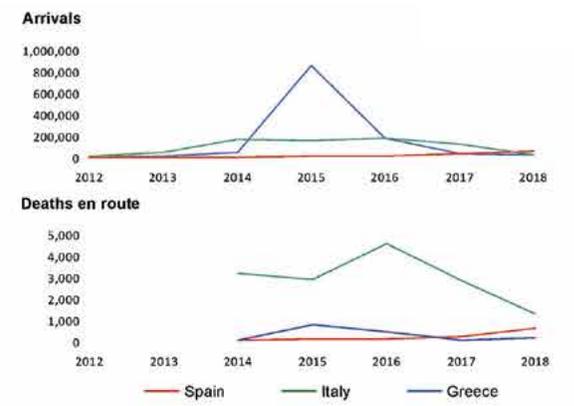
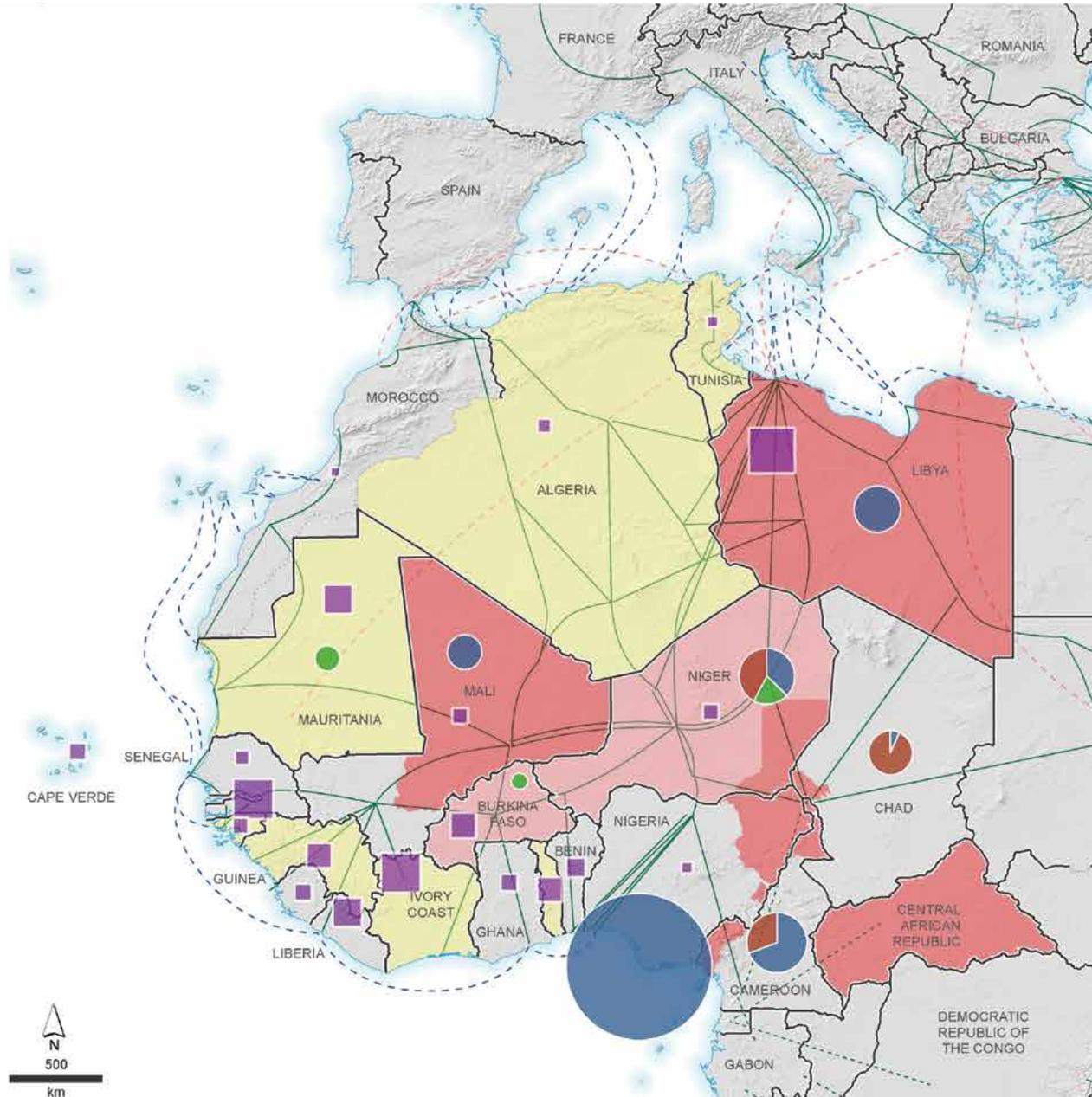
“ The MapAction volunteer updated maps based on the situation assessments which were happening each day, bringing together data on property damage levels, electricity blackouts and numbers of properties assessed all on one map. This was used at a national level to improve coverage and reduce duplication across the response. ”

MapAction 18-month review of recent responses
December 2018

West and Central Africa

MapAction provides remote mapping support to partners around the world to help them understand and respond to humanitarian emergencies.

This map was created for MapAction partner ACAPS as part of a piece of analysis considering how migration dynamics within and via West and North Africa (including across the Mediterranean Sea) might evolve in the first half of 2019 and the potential humanitarian consequences.



Data Sources: Natural Earth, IOM, UNHCR, FEWSNet, Missing Migrants Project, WorldBank. Created by MapAction (28/11/2018).



Disaster preparedness

MapAction uses its experience of humanitarian mapping and information management to help disaster management agencies around the world put in place the data, technology and skills needed to be well-prepared for any type of large-scale

emergency. We work closely with country teams to understand which data and maps are likely to be most helpful, sharing our own experience of what has worked in different contexts and learning from their experiences.

“ The MapAction team had great interpersonal skills and made technical information easy to understand. They were very knowledgeable and gave excellent assistance when needed. ”

Participant on MapAction preparedness activity, Jamaica

Training & skills sharing

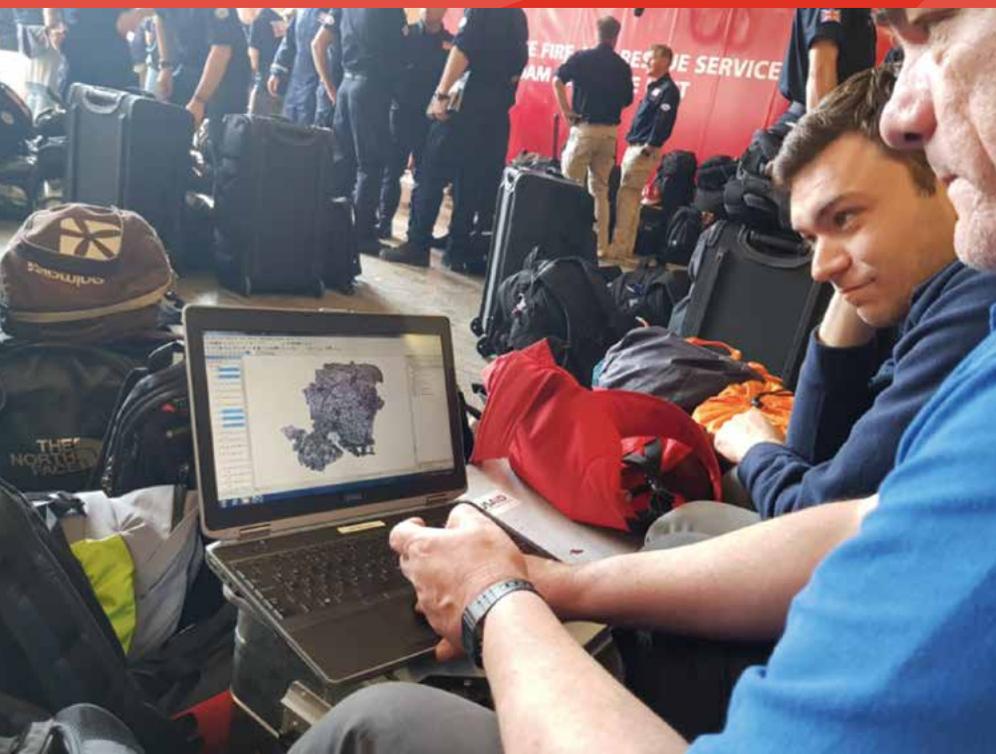
Rigorous training underpins the reliability and professionalism of our service.

“ We’ve had an awakening as to what GIS data can be used for. ”

MapAction partner and training participant

Our volunteer training programme develops the skills needed to deliver our mapping service in the potentially challenging context of an emergency response. Our volunteers train regularly (at least seven weekends each year) including taking part in our annual intensive disaster simulation exercise.

We also train humanitarian professionals around the world to use the latest technologies to collect, manage and visualise data so they can create and use maps effectively in the field. We teach regularly on courses run by NGOs, the United Nations and regional and national disaster management agencies as well as running our own humanitarian mapping courses.





Our funders

MapAction's funding challenge and our wonderful funders

for every penny raised as we don't have vast numbers of supporters to rely upon.

Yet MapAction's work is only possible thanks to the organisations and people that help us. From the employers who release our dedicated volunteers for humanitarian work at short notice, to the many individuals, companies, community groups, fundraisers, trusts, foundations and government funders that support us financially – we simply could not do what we do without them.

We have long-term funding relationships with several leading donor governments, including the UK Department for International Development (DFID), European Civil Protection and Humanitarian Aid Operations (EU ECHO), the Netherlands Ministry of Foreign Affairs and the Office for US Foreign Disaster Assistance (USAID OFDA).

We have also been fortunate and privileged to receive regular support from long-standing supporters such as The Anson Charitable Trust, The Calleva Foundation, The Constance Travis Charitable Trust, The Dulverton Trust, Esri UK, Farhad Vladi and MapAction Deutschland EV, The G C Gibson Charitable Trust, The Fulmer Charitable Trust, the GEO Business Show, The Hydrographic Society of Scotland, The John Younger Trust, Ordnance Survey, Rotary Clubs across the UK, and thinkWhere, all of which has been vital.



We are always very keen to hear from people or organisations interested in supporting MapAction's work, and helping us to continue meeting the ongoing fundraising challenge. The scale of what MapAction can achieve depends upon it.

MapAction is unlikely to ever become a household name, and we're OK with that! (Providing mapping support to humanitarian emergency response makes us quite new and very 'niche' in charity terms). However it does mean that we must work that much harder



Humanitarian Aid and Civil Protection



UKaid
from the British people

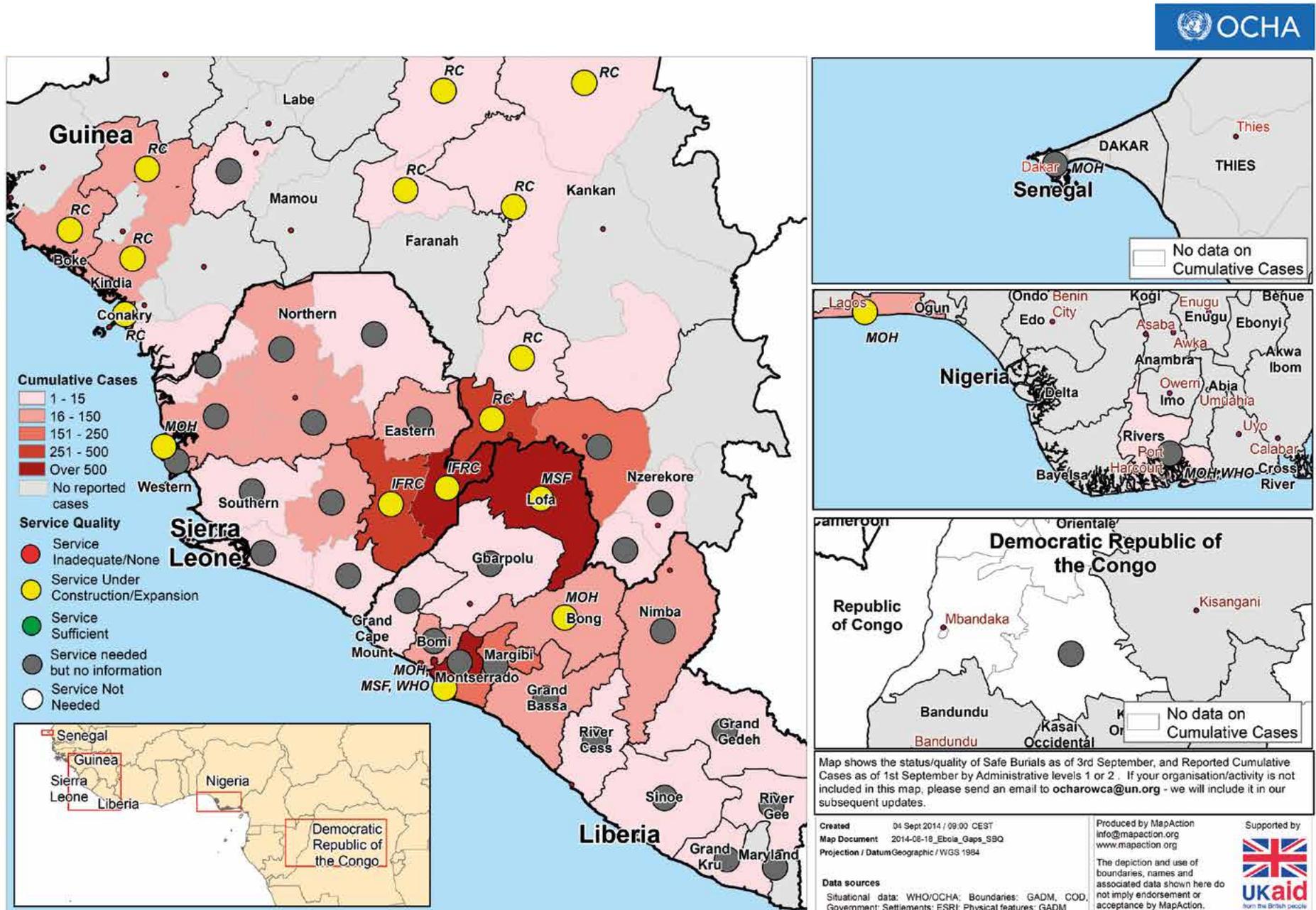


USAID
FROM THE AMERICAN PEOPLE



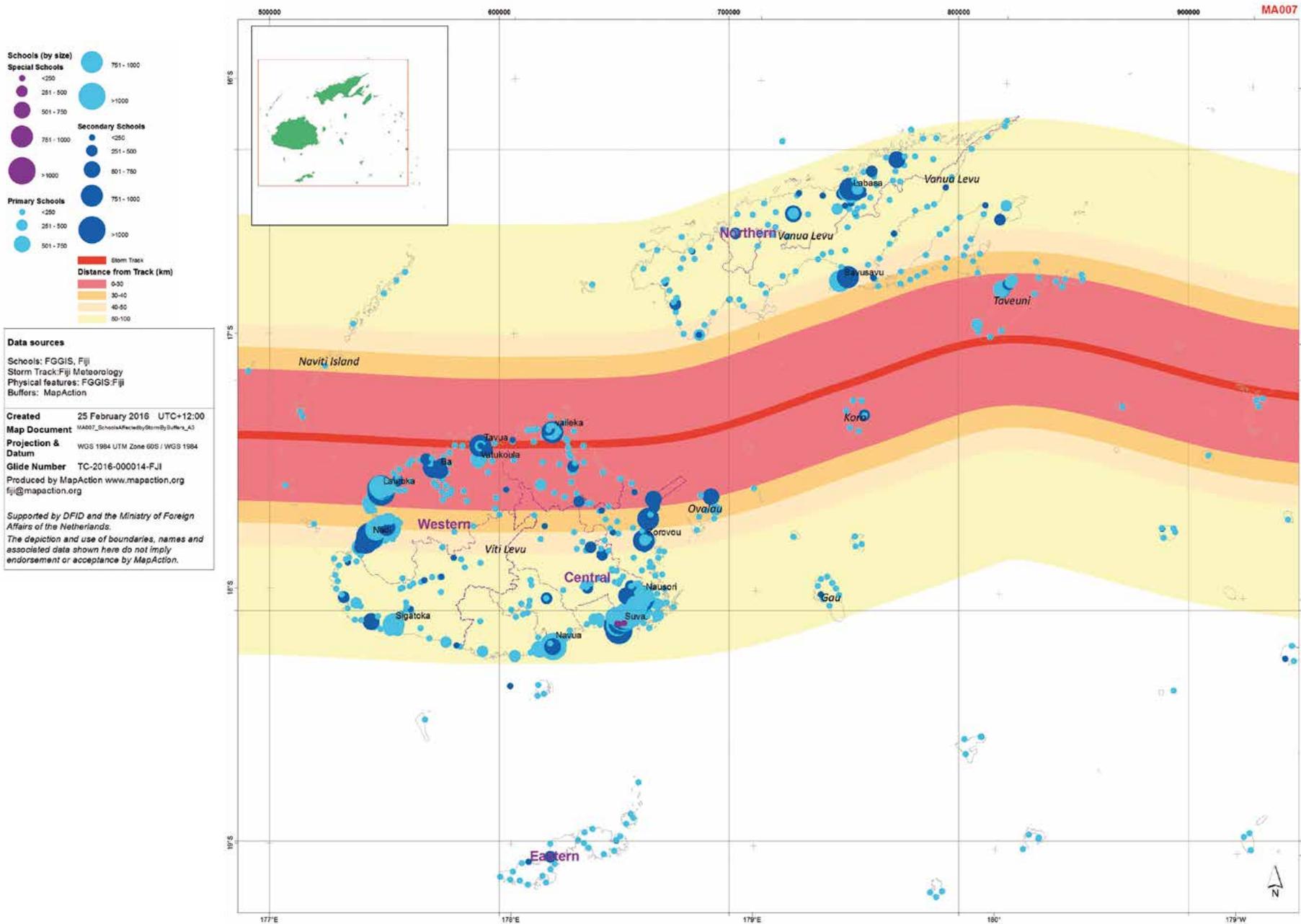
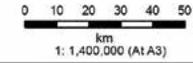
Ebola crisis

MapAction was actively involved in helping tackle the 2014 Ebola outbreak in West Africa, sending personnel to Liberia, Sierra Leone, Mali and Ghana, as well as supporting from a distance.



Cyclone Winston

Distribution of schools in the vicinity of the storm track



Fiji

In 2016, Fiji's northern islands were hit by a Category 5 storm.

MapAction supported the Fijian government and the UN to help prioritise and target the humanitarian response.

Please help us get aid
to more people more quickly

Call us on **+44 (0) 1494 568 899**
or email **fundraising@mapaction.org**



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