

Information Management for CSOs in Disaster response and management

Asian Disaster Reduction and
Response Network
Alan Mills
8 September 2020

What we do

- Humanitarian mapping charity that works through skilled volunteers.
- We help target and coordinate the delivery of humanitarian aid.
- Since 2002 we have responded to around 100 emergencies (plus many more remotely).
- In 2020 - Beirut field mission, over 20 projects worldwide remotely.

About MapAction



Our vision



Our vision

A world where people vulnerable to humanitarian emergencies are more resilient and those assisting them are more effective through the use of technological advances in information management. .

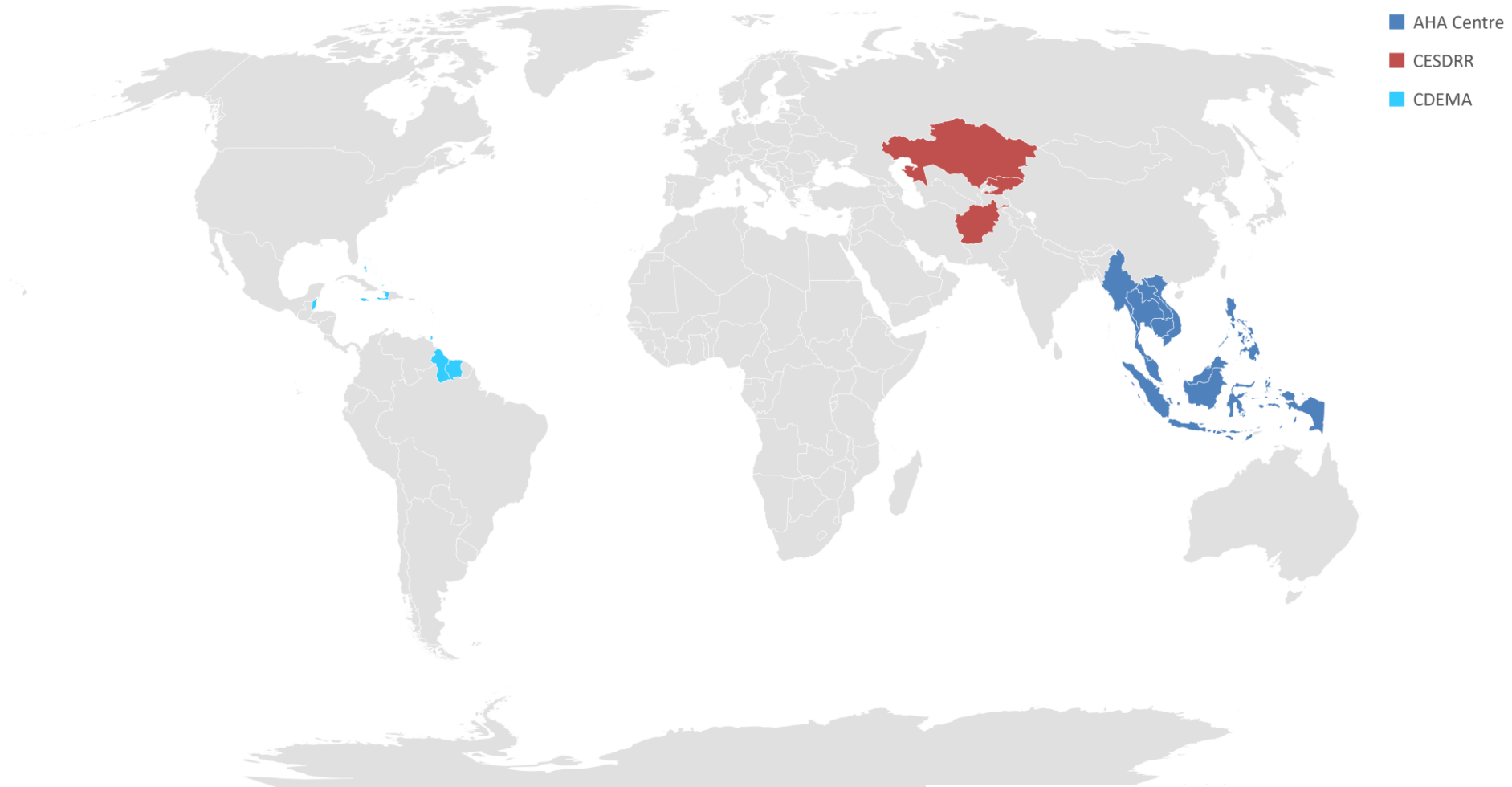
Where we have worked



How we work



Regional partnerships

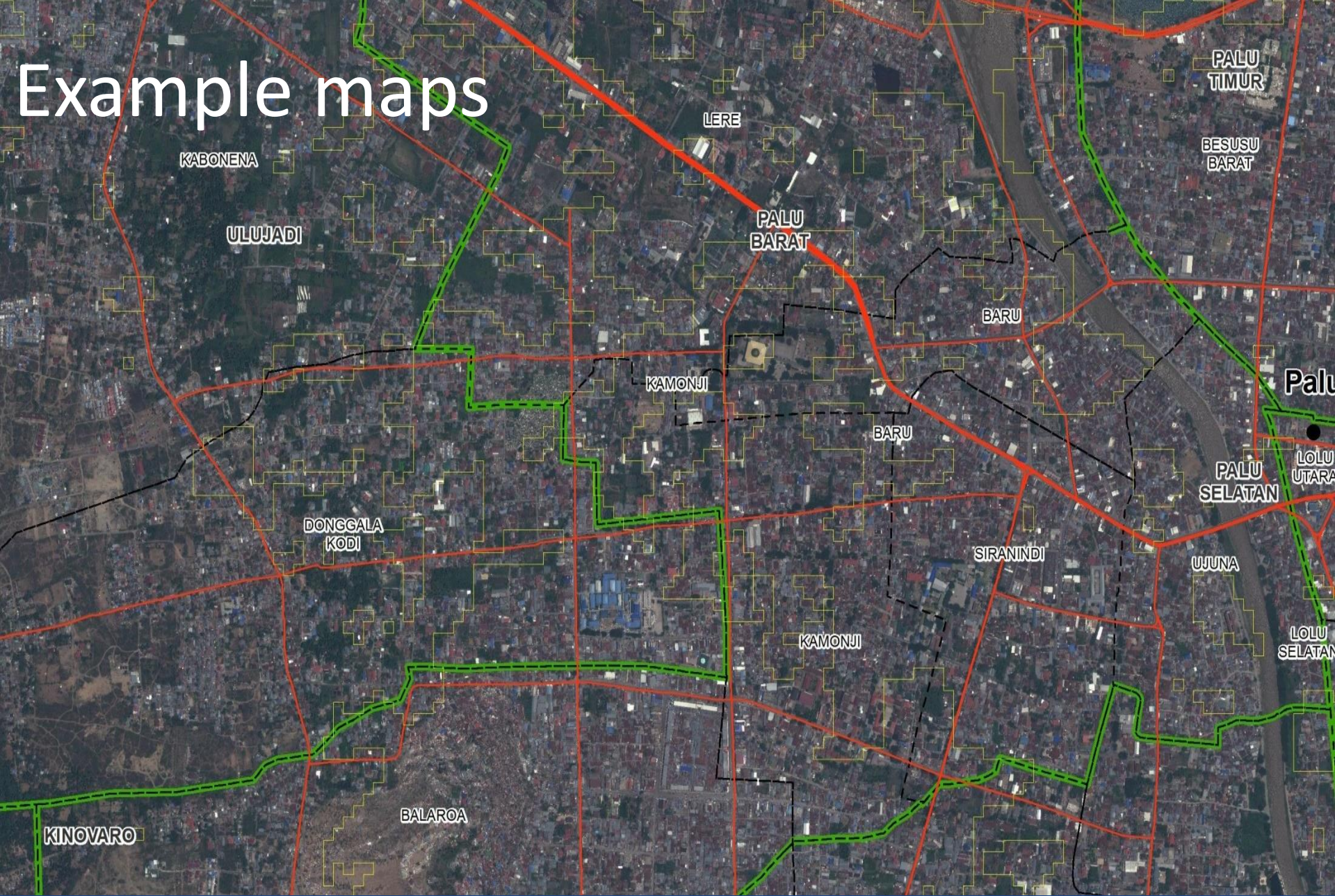


How can IM help?

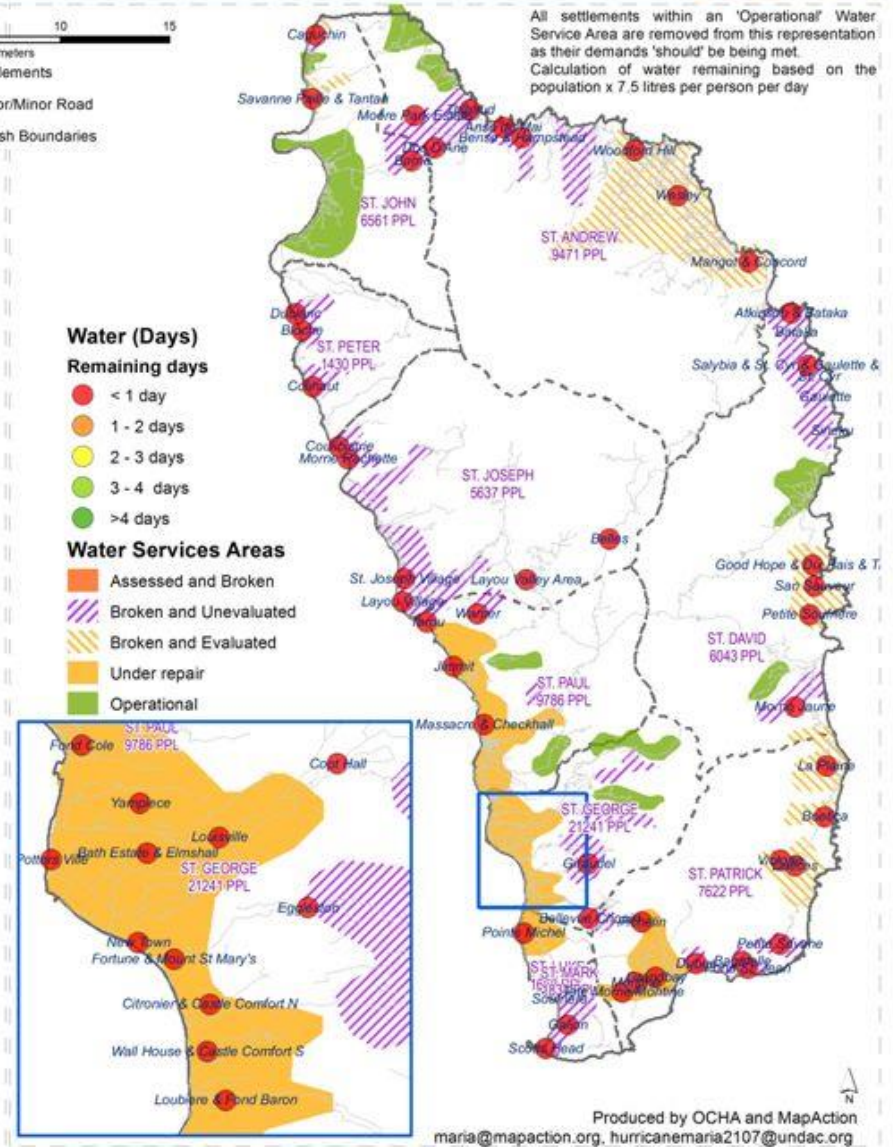
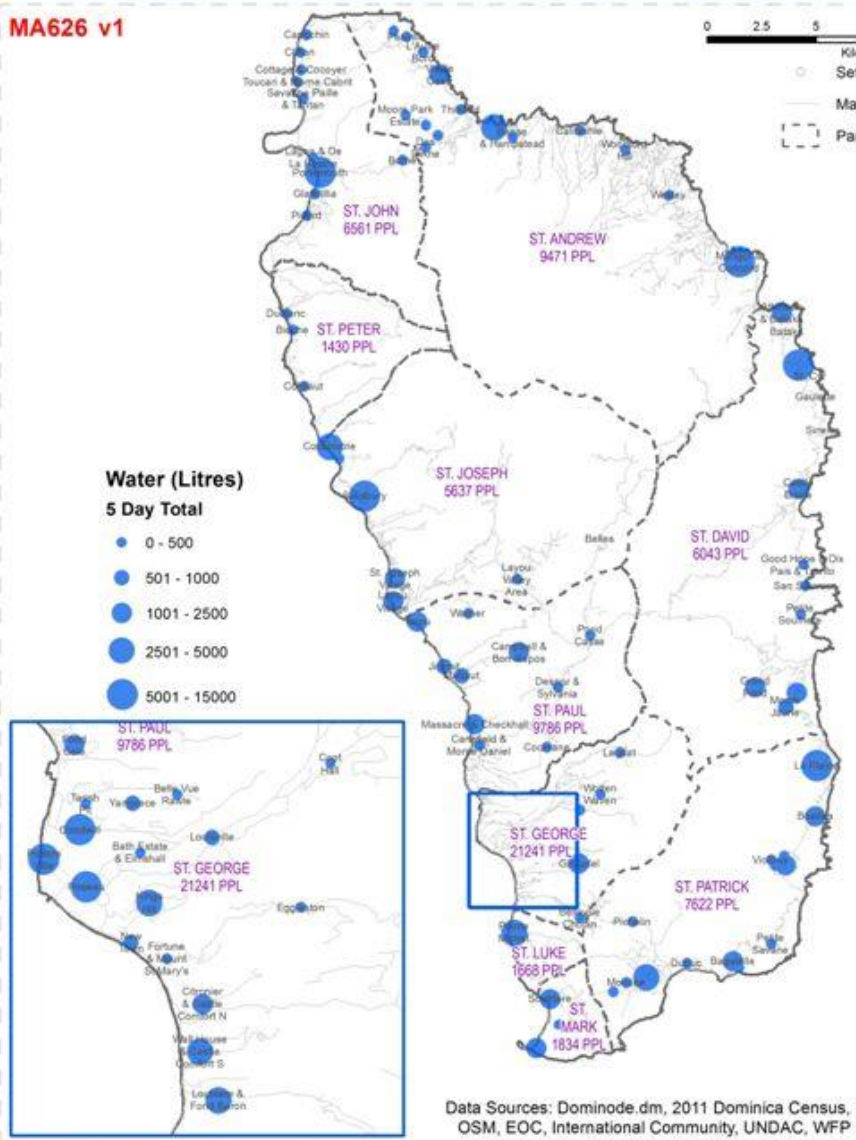
Photo: EU/N Mazars

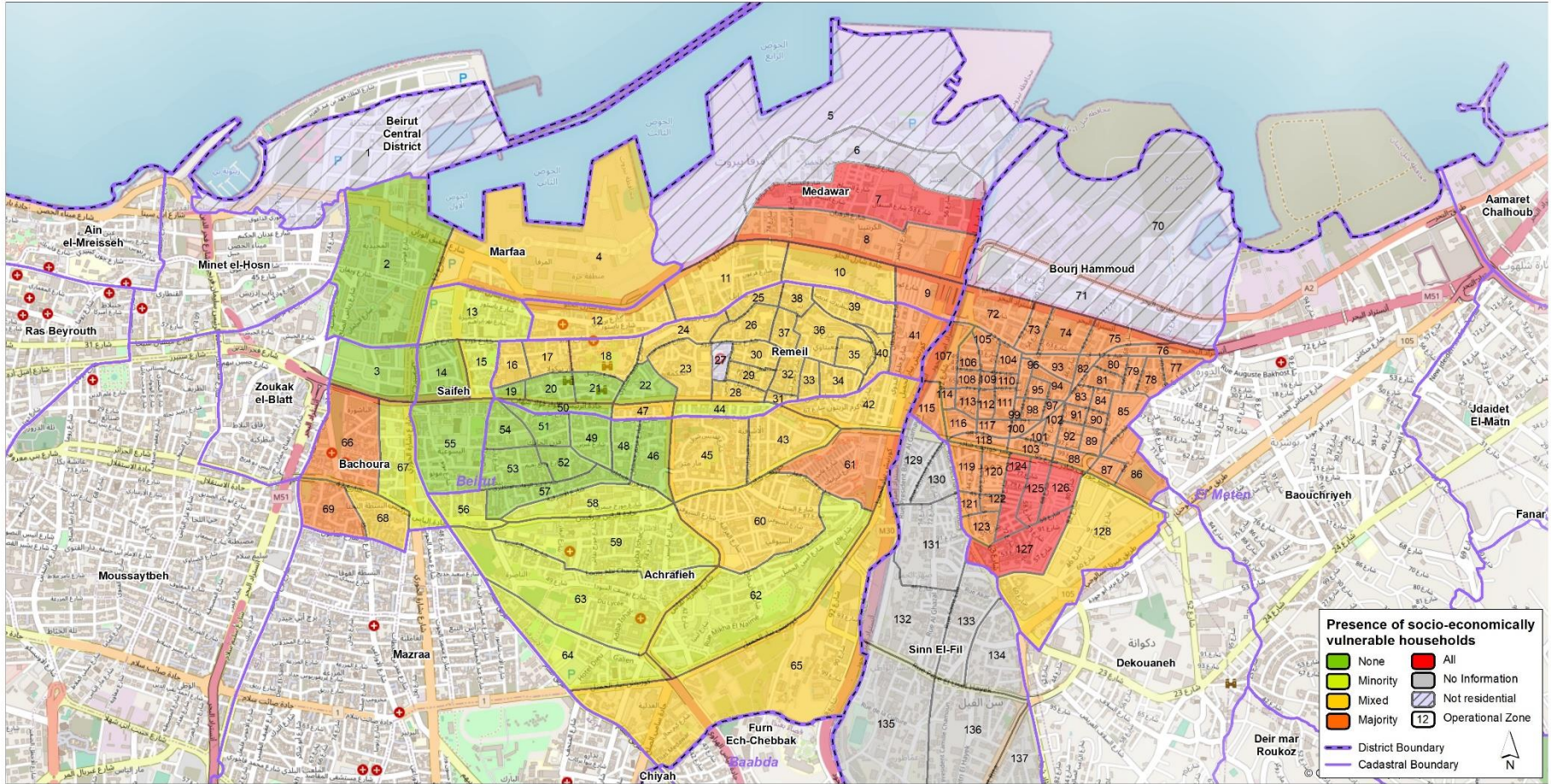
- Communicate / Report
 - Presence, programmes, issues,
- Visualize
 - Immediate impact, patterns, stories
- Strategize
 - Scenario building, What if? Conflict Resolution

Example maps



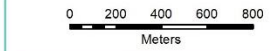
MA626 v1





These zones were developed to help coordinate and collaborate on relief efforts at the operational level. Level 3 Administrative boundaries in Lebanon 'Cadastrers' were divided into Zones. Those zones will be used as a reference to facilitate the data collection for all different aspects of the response. A Zone can be defined as a cluster of built-up plots separated by the road network within the Administrative Level 3 – Cadastrers of Lebanon.

The socio-economic status of households living pre-blast in each zone was estimated by UN-Habitat based on (1) a national ranking of 498 disadvantaged area undertaken to inform the ongoing UN-Habitat-UNICEF Neighbourhood Profiling project and (2) a visual assessment in the field on 12 August 2020.



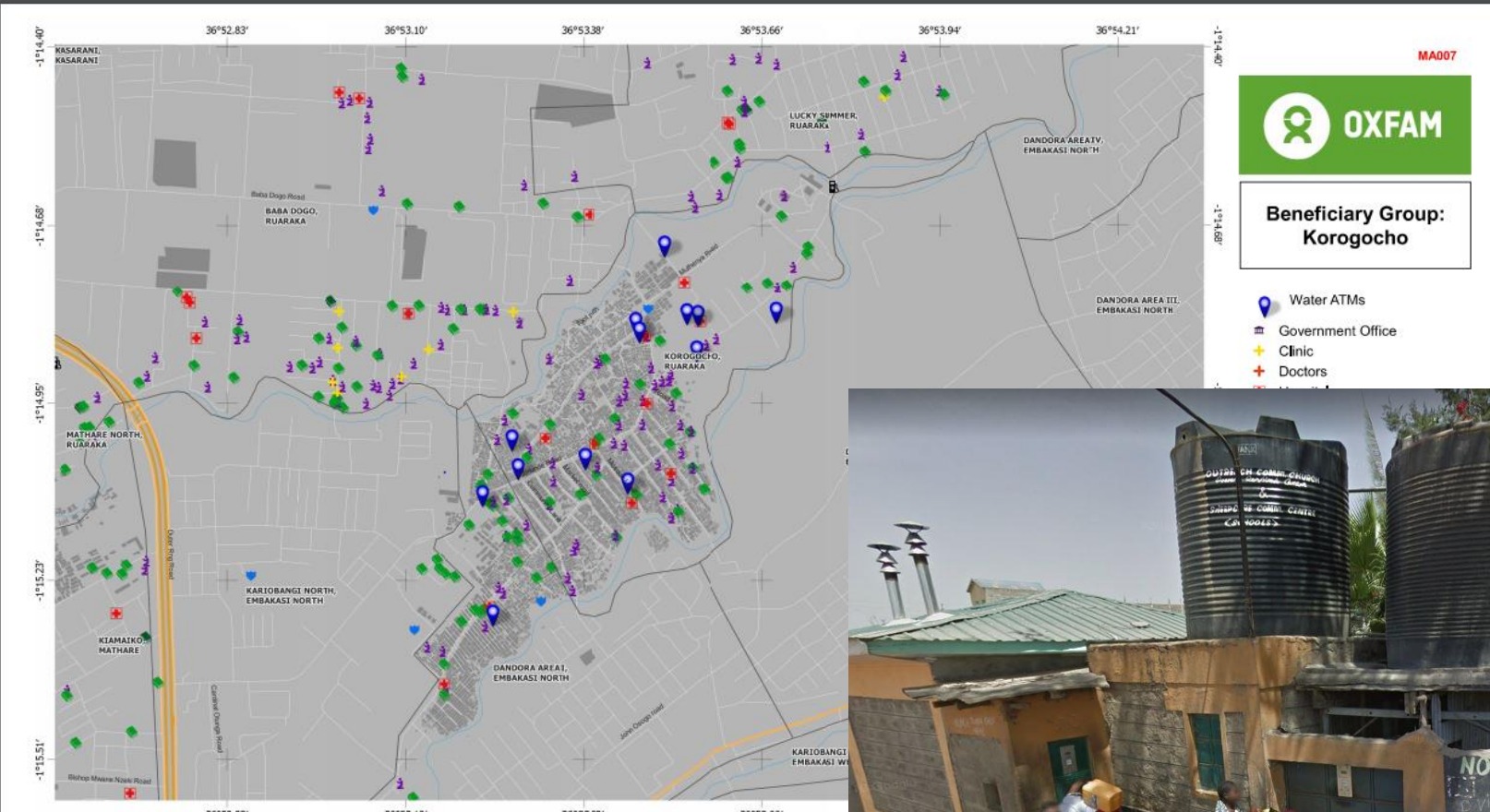
Data Sources: OpenStreetMap, Lebanese Red Cross, OCHA, HDX, UN Habitat, UNICEF

The depiction and use of boundaries, names and associated data shown here do not imply endorsement or acceptance by MapAction.

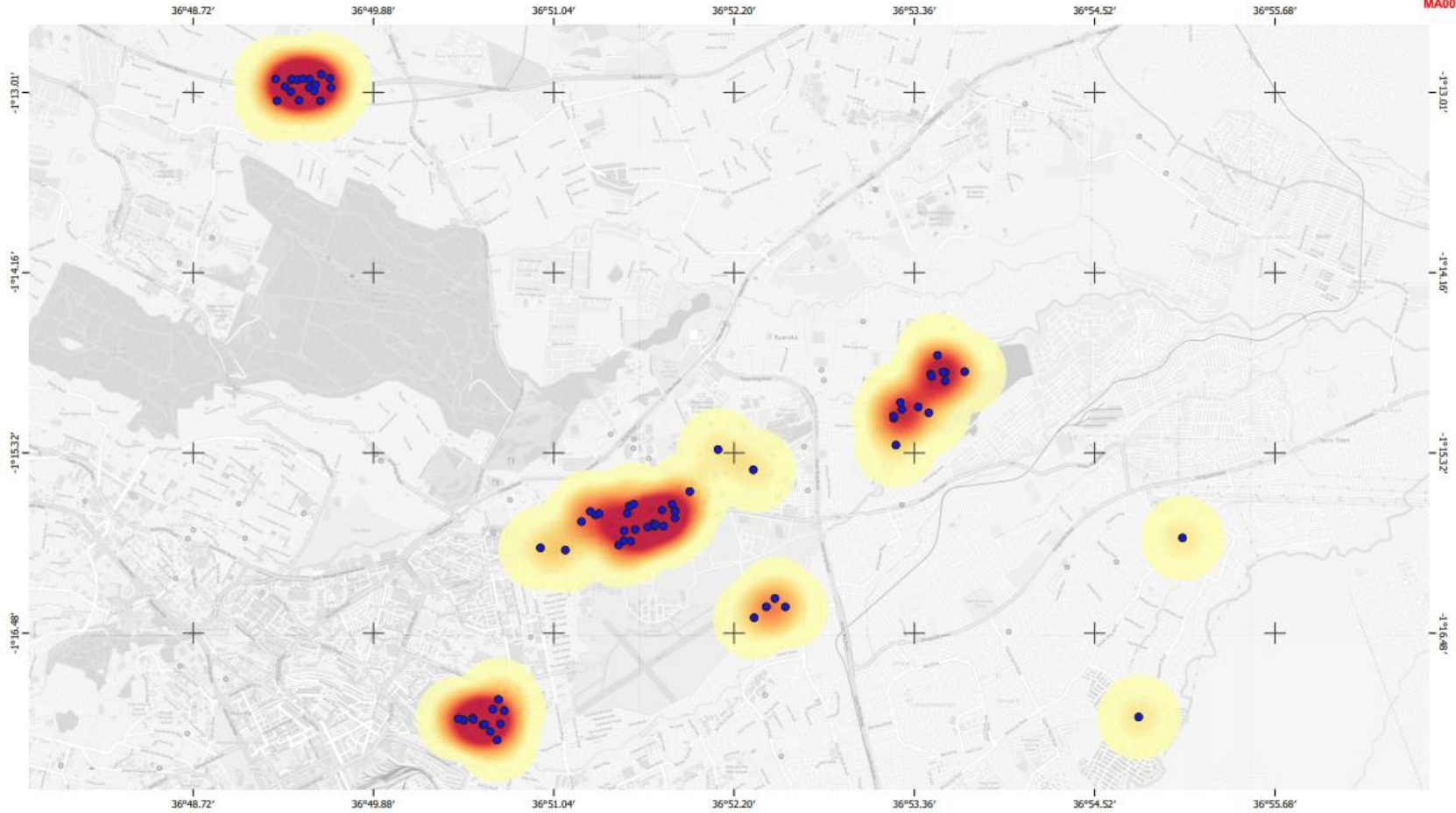

Created 15 Aug 2020 / 10:00 UTC +03.00
Projection & Datum WGS 1984 UTM Zone 36N / WGS
GLIDE Number OT-2020-000177-LBN

Produced by MapAction
 mapaction.org
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 Supported by the UK Department for International Development, the German Federal Foreign Office and the Ministry of Foreign Affairs of the Netherlands

WASH – Location of Water ATMS in Kenya




	<p>This Map shows the Water ATMs serving each beneficiary group within Nairobi wards.</p>	
<p>Country: Kenya Emergency: Covid-19 Response Title: The Location of Water ATMs in Nairobi County by Beneficiary Group</p>	<p>Data sources © OpenStreetMap contributors © 2018 GADM</p> <p>The depiction and use of boundaries, names and associated data shown here do not imply endorsement or acceptance by MapAction.</p>	

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Country: Kenya
 Emergency: Covid-19 Response
 Title: The Density of Water ATMs in Nairobi County



OXFAM

This map shows the density of Water ATMs within 500 meters.

Data sources
 © OpenStreetMap contributors

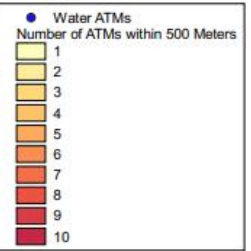
The depiction and use of boundaries, names and associated data shown here do not imply endorsement or acceptance by MapAction.



0 1 2 km


Created: 17th July 2020
 Map Document: MA009_Nairobi_Water_ATMs
 Projection / Datum: WGS 1984

Produced by MapAction
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Cash Transfer - Who What Where

MA3006_v1



Philippines: Typhoon Haiyan (Yolanda): Cash transfer programmes 3W snapshot (as at 30 Nov 2013)

Who-what-where snapshot of cash transfer relief assistance as at 30 November 2013. Data provided by Cash Working Group in the Philippines.

Sector/Cluster: Organisation

- Early Recovery
- Emergency Shelter
- Livelihoods
- Protection
- WASH

Status

- Completed
- Ongoing
- Planned

Activity

- Cash Grant
- Cash for Skills
- Cash for Work
- Cash for Work/FFW

ID* refers to information mapped at a province level, not municipal level


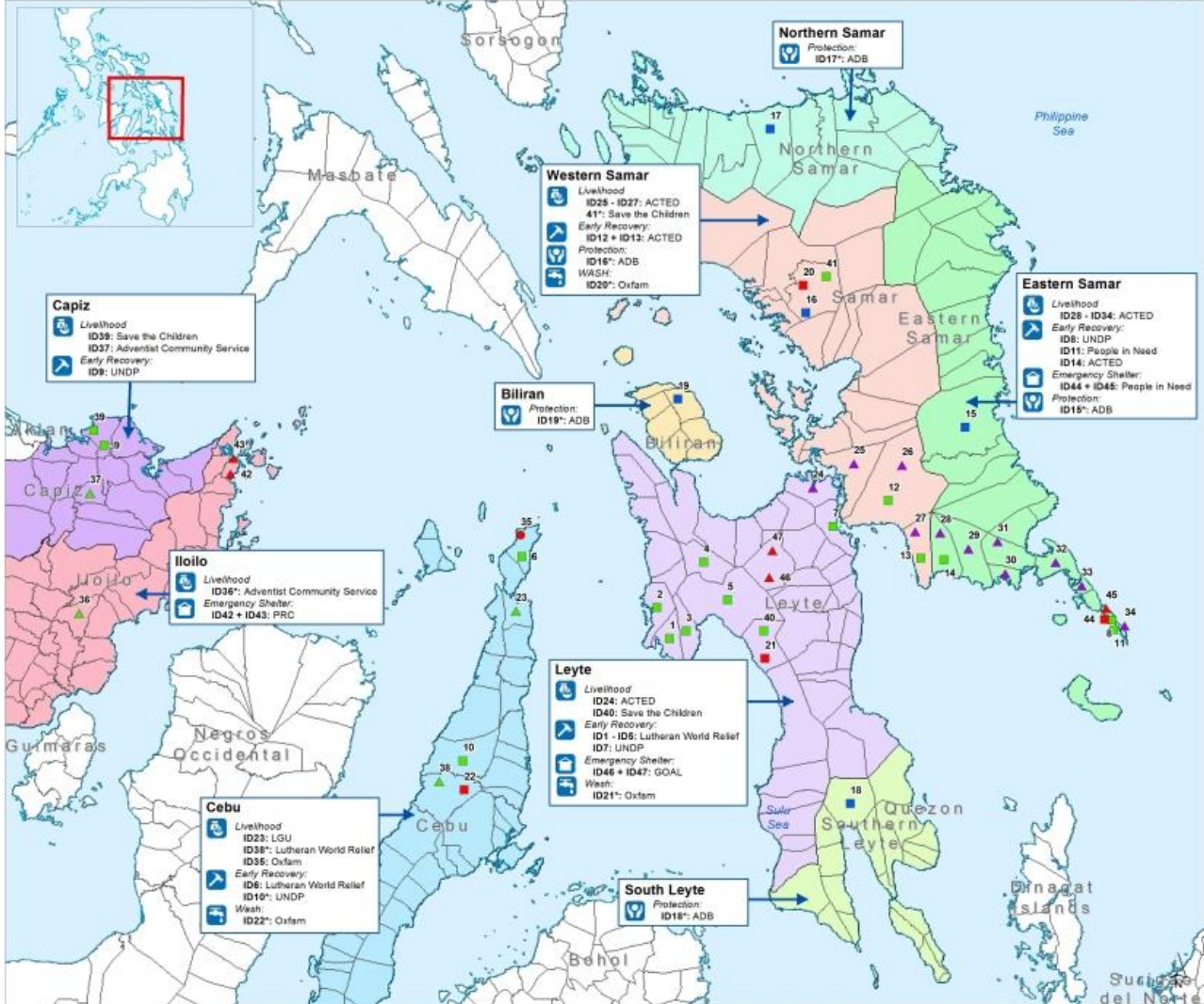
0 10 20 30 40 50
kilometres
Scale: 1:350,000 (at A3)

Data sources
 Stational: CaLP/Cash Transfer Working Group
 Boundaries: GADM

Created 6 Dec 2013 | 14:30 UTC +8
Map Document MA1006_3wCashTransfer_v01
Projection / Datum WGS 1984 UTM Zone 51N
Globe Number TC-2013-000139-PHL

The decision and use of boundaries, names and associated data shown here do not imply endorsement or acceptance by MapAction.

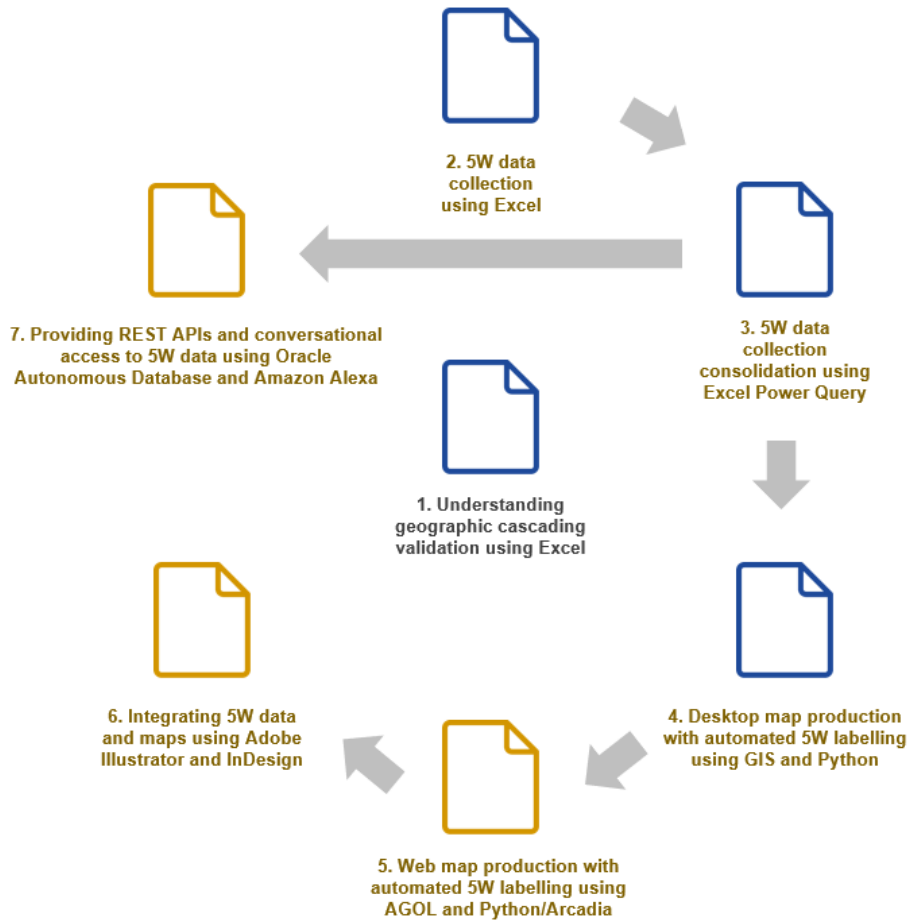
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Not just pretty maps.....

- While the end products are useful, other aspects of what we do..
 - Problem solving
 - Finding the right data
 - Mobile collection
 - Satellite/online/other sources
 - Organising the information
 - Sensible usage of information
 - Protecting the vulnerable
 - Sharing with the right people
 - Communities, peer organisations, the world.

Information flows and appropriate tools



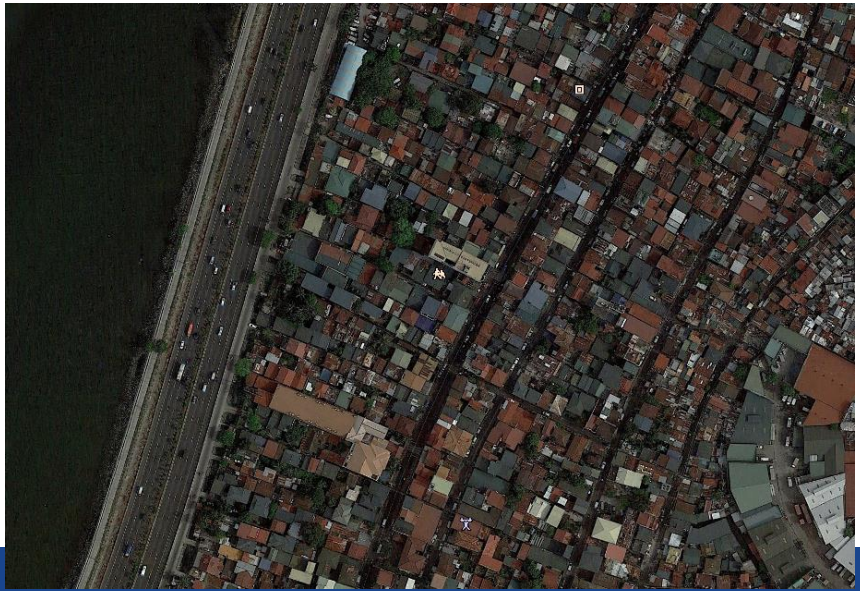
Choosing Data

The screenshot shows the HDX website interface. At the top, there are navigation links for 'Data Responsibility for COVID-19', 'FAQ', 'Log in', 'Sign up', and 'Switch to HDX Lite'. The main header includes the HDX logo, a search bar, and navigation tabs for 'DATA', 'LOCATIONS', 'ORGANISATIONS', and 'QUICKLINKS'. A red 'ADD DATA' button is visible. Below the header, the search results for 'Laos' are displayed, showing 94 data items. The results are filtered by 'Relevance' and show 25 items per page. Three featured datasets are listed:

- Laos - Populated places**: OCHA ROMP, 200+ Downloads, Updated August 15, 2018 | Dataset date: Sep 21, 2016. This spatial dataset provides the populated places in Laos. The original source of the data is Lao Statistics Bureau (LSB).
- Lao - Resilience Zones - WFP**: OCHA ROMP, 90+ Downloads, Updated August 15, 2018 | Dataset date: Sep 21, 2016. This spatial dataset provides the Resilience Zones Laos. The original source of the data is World Food Program (WFP).
- Lao PDR - Infrastructure**: World Bank Group, 50+ Downloads, Updated August 27, 2020 | Dataset date: Jan 1, 1960-Dec 31, 2019. Contains data from the World Bank's data portal. There is also a consolidated country dataset on HDX. Infrastructure helps determine the success of manufacturing and agricultural activities, investments in water, sanitation, energy, housing, and transport also improve lives and help reduce poverty. And new information and communication technologies promote growth. ... More

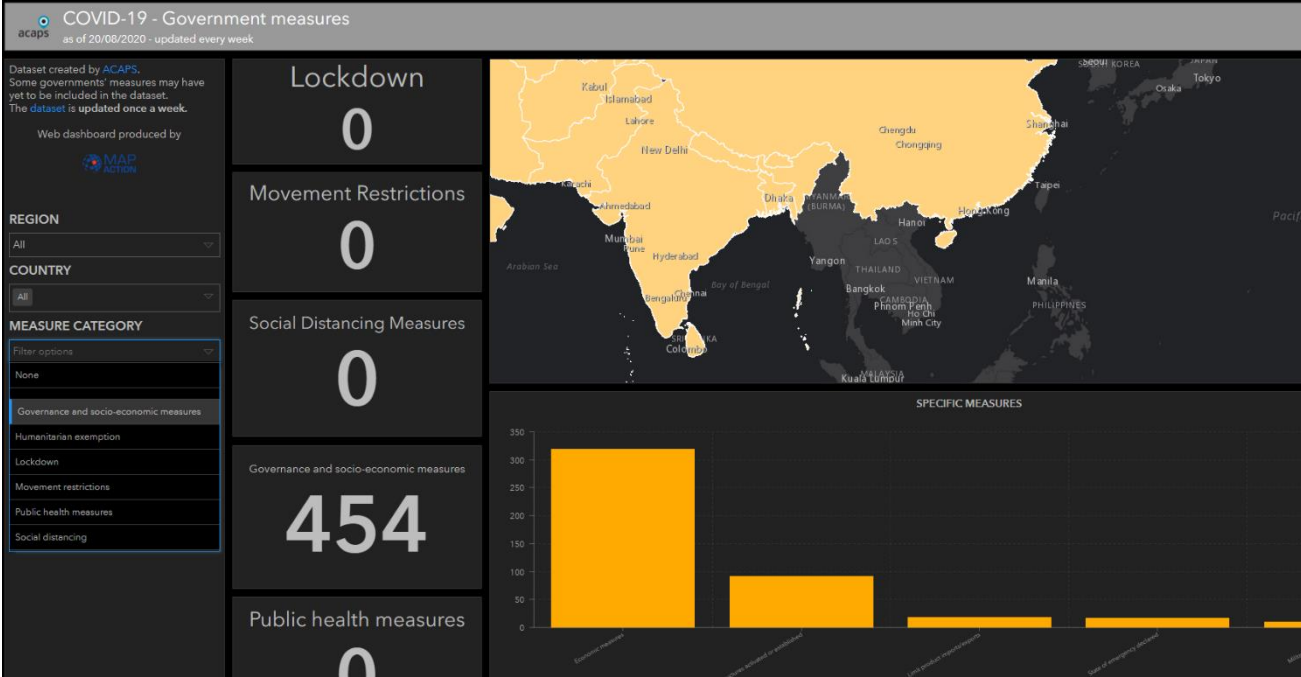
Other datasets listed include 'Lao PDR - Aid Effectiveness'.

The screenshot shows the OpenStreetMap website's 'Export' interface. The top navigation bar includes 'OpenStreetMap', 'Edit', 'History', and 'Export'. A search bar is present with the text 'Where is this?'. The 'Export' section shows a bounding box with coordinates: 12 4885, 99 6563, 100 1953, and 12 1800. Below the coordinates, there is a button labeled 'Export' and a note: 'Manually select a different area'. The 'Licence' section states: 'OpenStreetMap data is licenced under the Open Data Commons Open Database Licence (ODBL)'. There is an 'Export' button under the licence section. Below the licence section, there is a note: 'If the above export fails, please consider using one of the sources listed below:'. The sources listed are: 'Overpass API', 'Download this bounding box from a mirror of the OpenStreetMap database', 'Planet OSM', 'Regularly updated copies of the complete OpenStreetMap database', and 'Geofabrik Downloads'. A map of a region with green and blue areas is visible on the right side of the interface.



Organising and visualising

- [-] D:\mapaction\2019-12-05 - Djibouti\GIS
 - + 0_GIS_Tasking
 - + 1_Original_Data
 - [-] 2_Active_Data
 - + 200_data_name_lookup
 - + 201_3www
 - [-] 202_admn
 - + aoi_admn_ad0_ln_s0_gadm_pp.shp
 - + aoi_admn_ad0_py_s0_gadm_pp.shp
 - + dji_admn_ad0_ln_s0_fews_pp.shp
 - + dji_admn_ad0_ln_s0_gadm_pp.shp
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 - + dji_admn_ad1_py_s0_gadm_pp.shp
 - + dji_admn_ad2_ln_s0_gadm_pp.shp
 - + dji_admn_ad2_py_s0_fews_pp.shp
 - + dji_admn_ad2_py_s0_gadm_pp.shp
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 - + 204_agri
 - + 205_assm
 - + 206_bldg
 - + 207_carto
 - + 208_cash
 - + 209_cccm
 - + 210_educ
 - + 211_elev
 - + 212_envi
 - + 213_evnt
 - + 214_fsec



Training

- Capacity Building – Knowledge Sharing

- Learning together
 - Defining needs/field experience
 - Our connections to a large body of technical expertise.
 - Technical Skills; software and devices
 - Good Practice on IM





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