







Community Mapping for Refugees in Uganda

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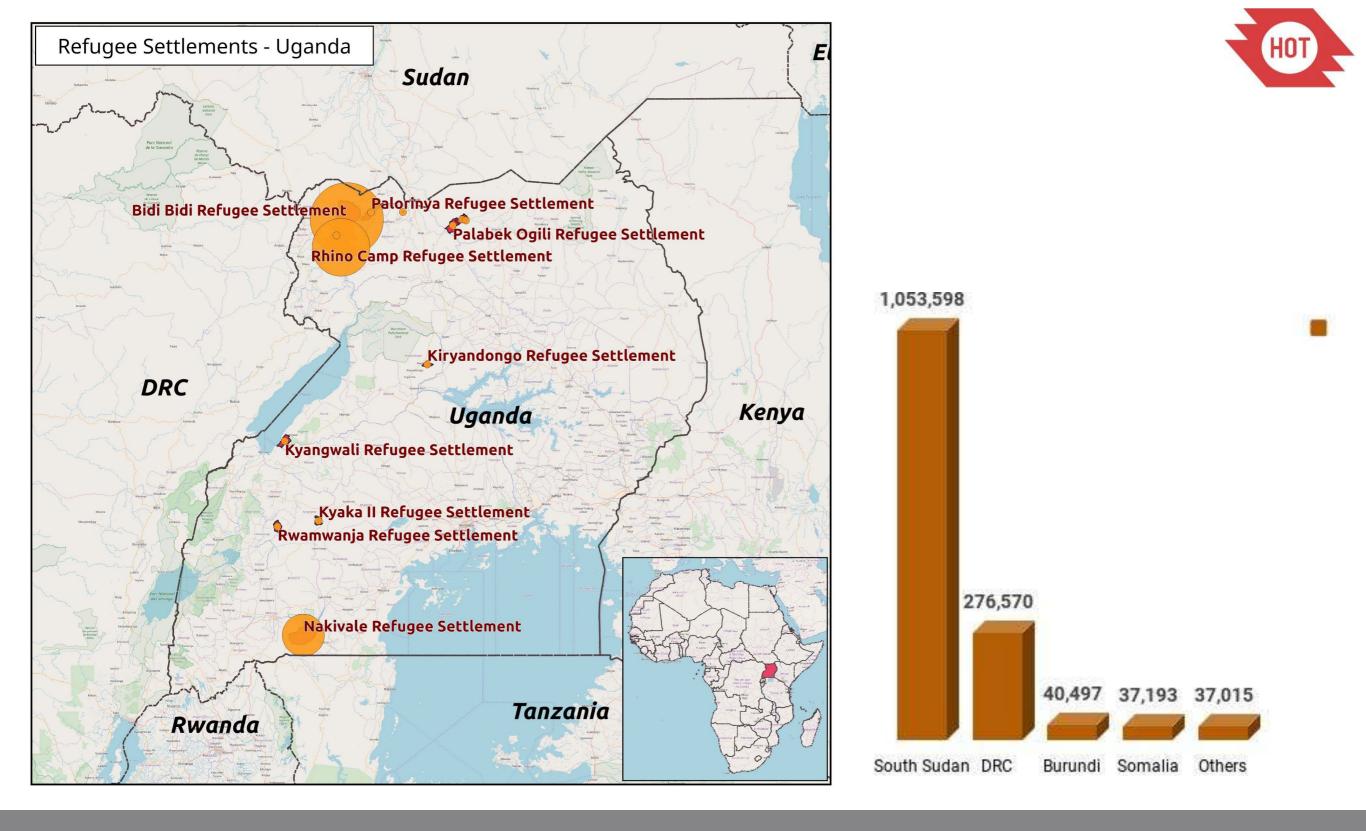




Gift of the United States Government -Bureau of Population, Refugees, and Migration - US Department of State



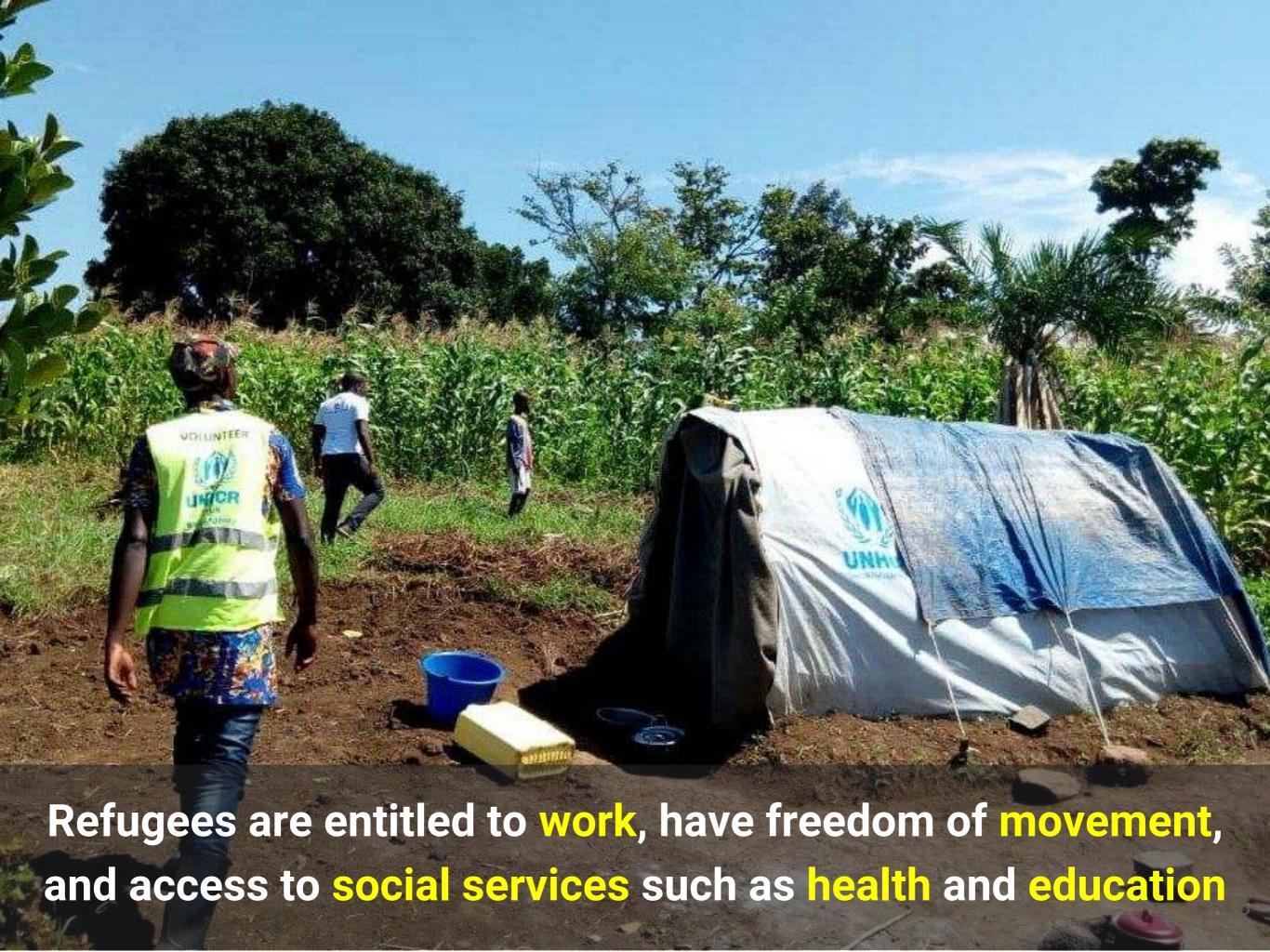
Uganda is renowned for its incredibly progressive policy towards refugees, one of the best in the world.



Uganda hosts an estimated 1.3 million refugees. It is Africa's largest refugee hosting country and one of the top five worldwide.



The profile of these refugees is characterised by a high proportion of women and children representing approximately 84%

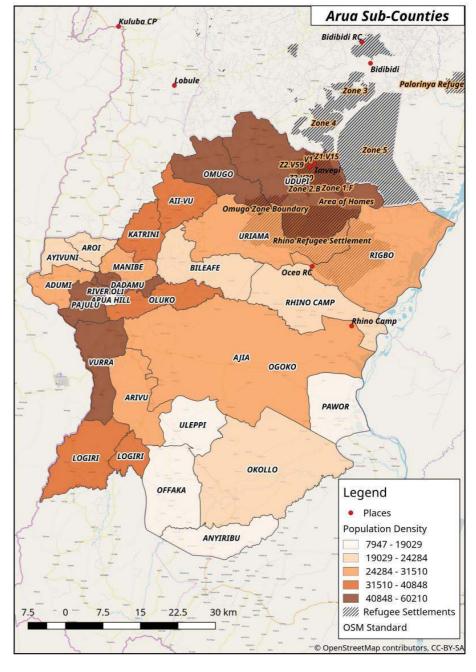


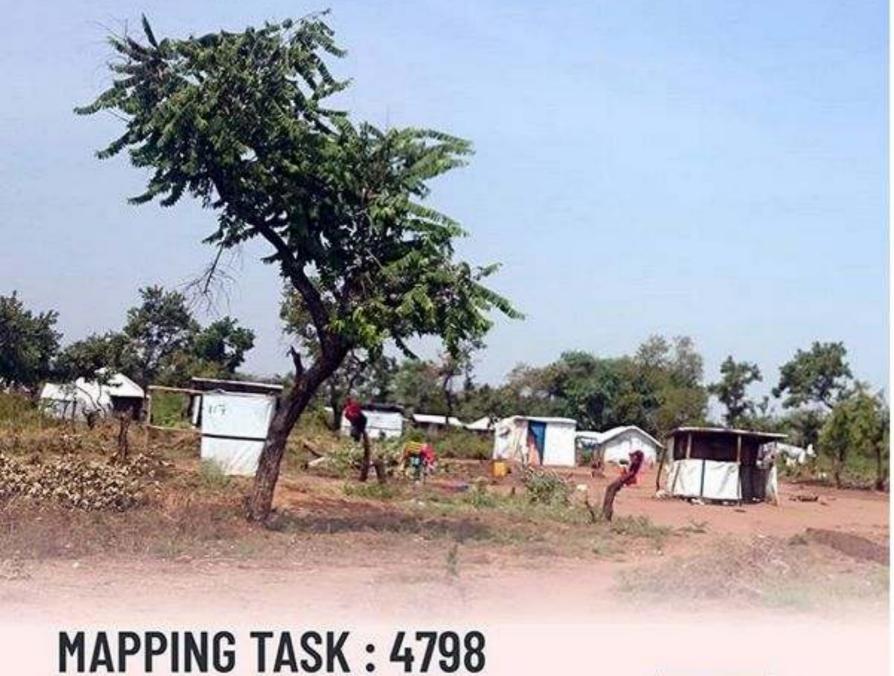


Uganda has the world's youngest population with over 78% of its population below the age of 30. The median age is 15.9 years.









DIFFICULTY: BEGINNER

PRIORITY: HIGH





hotosm_uganda · Following

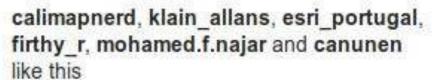
hotosm_uganda OSM mappers, can you help please? New mapping task tracing buildings for the Water and Sanitation needs of the DRC refugee community in Uganda:

tasks.hotosm.org/project/4798

An increase in violence in Eastern Congo (DRC) has led to repeated incidents of sudden exodus of the local population. The total number of new arrivals since 1st January 2018 is 48,105. Relief organisations are struggling to accommodate these large numbers of traumatised people and there have been cases of cholera among the displaced. In a rapidly developing situation such as this, it is vital that accurate and up-to-date







JUNE 27

Add a comment...





Health Facilities

key		values
addr:district	name of district	
addr:county	name of county	
addr:subcounty	name of subcounty	
addr:parish	name of parish	
addr:village	name of village	
addr:settlement	name of settlement	
addr:place	name of village,zone	
addr:point	name of point	
addr:block	block number in the settlement	
name	name of the facility	
	doctors -> health centre I	
	\$1 50 52 525 W 100000000	

Water points

key		values
addr:district	name of district	
addr:county	name of county	
addr:subcounty	name of subcounty	
addr:parish	name of parish	
addr:village	name of village	
addr:settlement	name of settlement	
addr:zone	name of zone	
addr:point	name of point	
addr:block	block number in the settlement	
start_date	date	
amenity	drinking_water, water_point	
name	name of water point	
noname	if no name yes	

Water and Sanitation Hygiene (WASH) facilities

Sanitation

key	values	sett
addr:district	name of district	bot
addr:county	name of county	bot
addr:subcounty	name of subcounty	bot
addr:parish	name of parish	bot
addr:village	name of village	bot
addr:settlement	name of settlement	sett
addr:zone	name of zone	sett
addr:point	name of point	sett

Education facilities [nodes]

key	values
addr:district	name of district
addr:county	name of county
addr:subcounty	name of subcounty
addr:parish	name of parish
addr:village	name of village
addr:settlement	name of settlement
addr:zone	name of zone
addr:point	name of point
addr:block	block number in the settlement
name	name of school
start_date	date
amenity	kindergarten, school, college, university, childcare
isced:level	0 Pre-primary education 1 Primary education 2 Lower secondary 3 Upper secondary education 4 Post-secondary of tertiary education



Main Page

The map

Map Features

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ze Discussion

Proposed features/Refugee Camp Boundaries

< Proposed features

Refugee Camp Boundaries

Status:

Proposed (under way)

Proposed by: Kateregga1

Tagging:

boundary=refugee_camp

Applies to:



Definition:

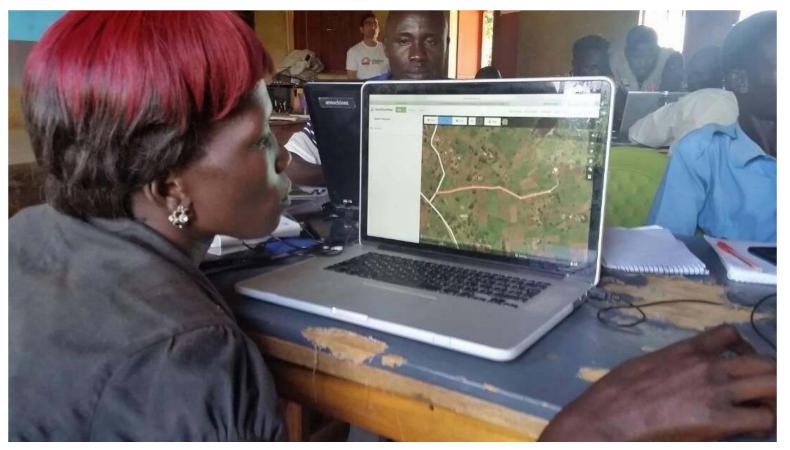
Refugee camp/settlement boundary tagging

There is a need for a consistent settlement/camp boundaries tagging system to reflect the growing need for representing refugees and displaced persons on a map.



- **OSM** as the standard.
- Sharing as the Standard.
- Sensitive/Confidential data split at source.
- Geographical Data Only on OSM.

Sustaining Partner AND community Capacity by: Collaborative Base-Map Updating, through Public Engagement







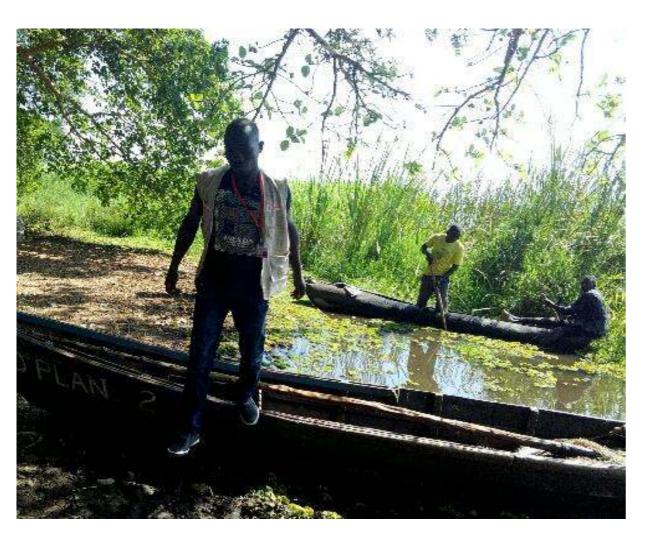
The shared map evolves, fed by multiple and continued data sources





Combining local knowledge with mobile data collection tools







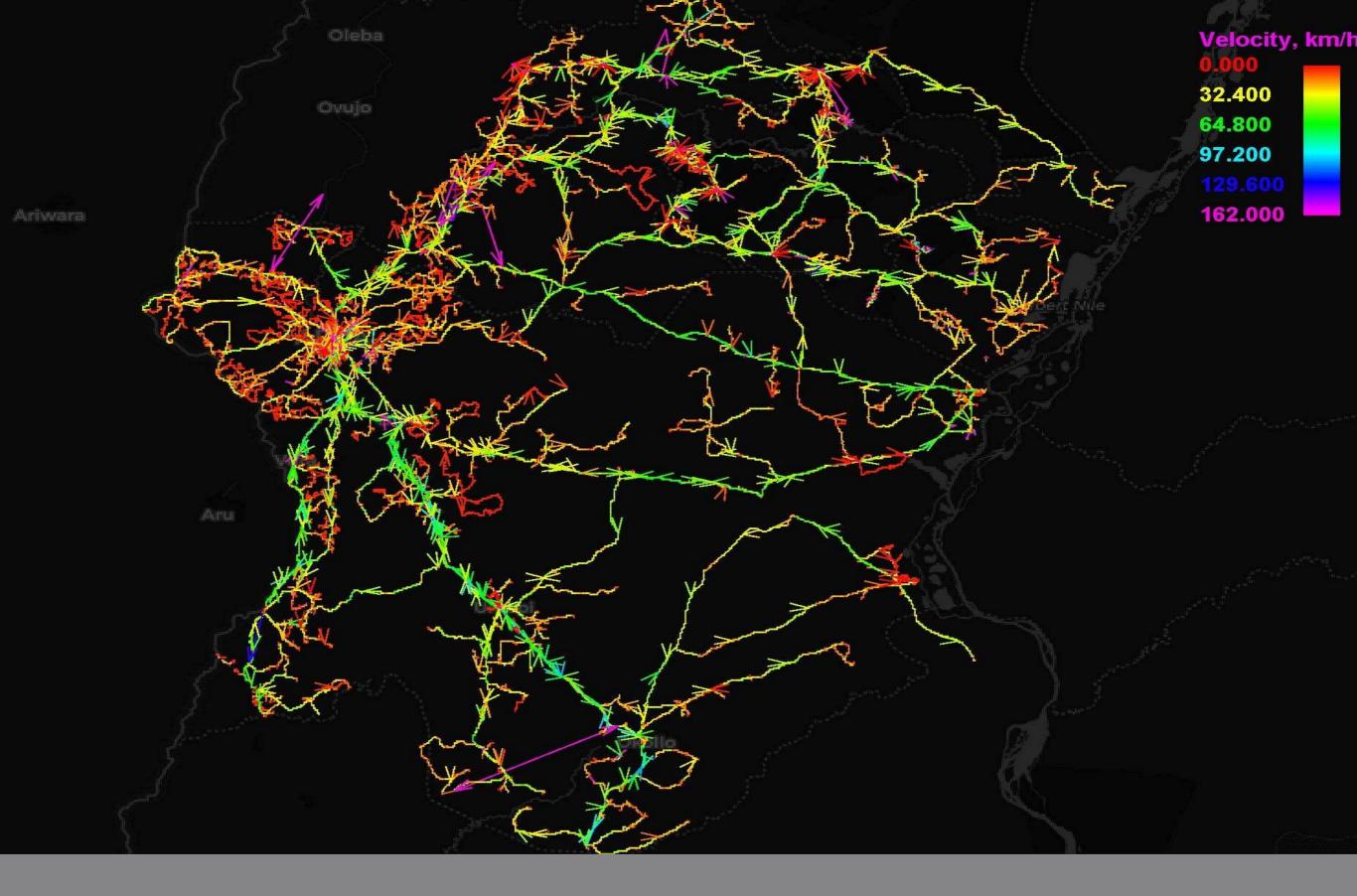
Some places are hard to reach and require crossing rivers on a canoe with a motorbike







Improvisation to get the job done - Hacking phone charging



GPX tracks used to improve the road network,

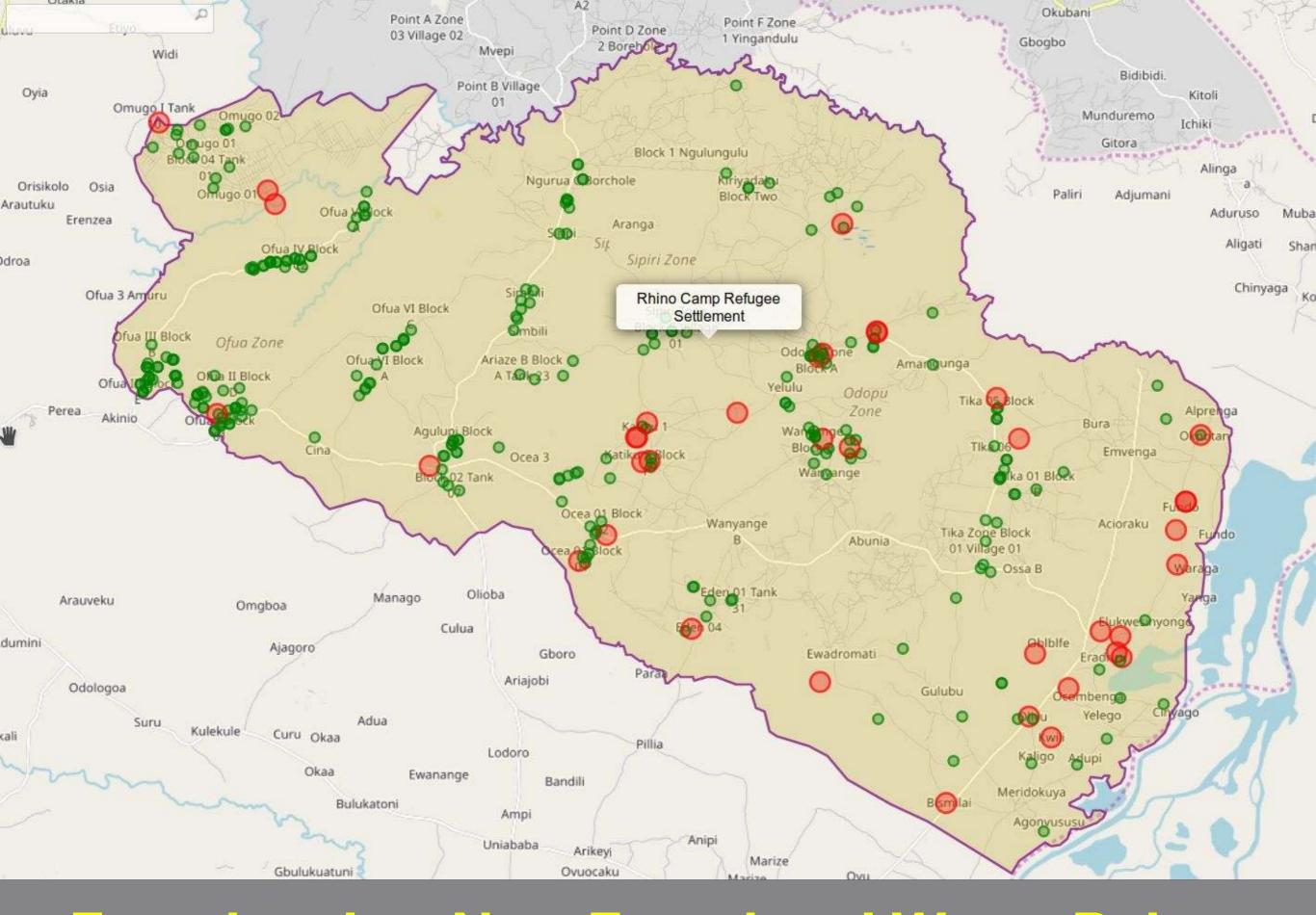


A water point in the hosting community vs a water point in the refugee settlement





Community Resilience - Refugees creating small business in the settlements

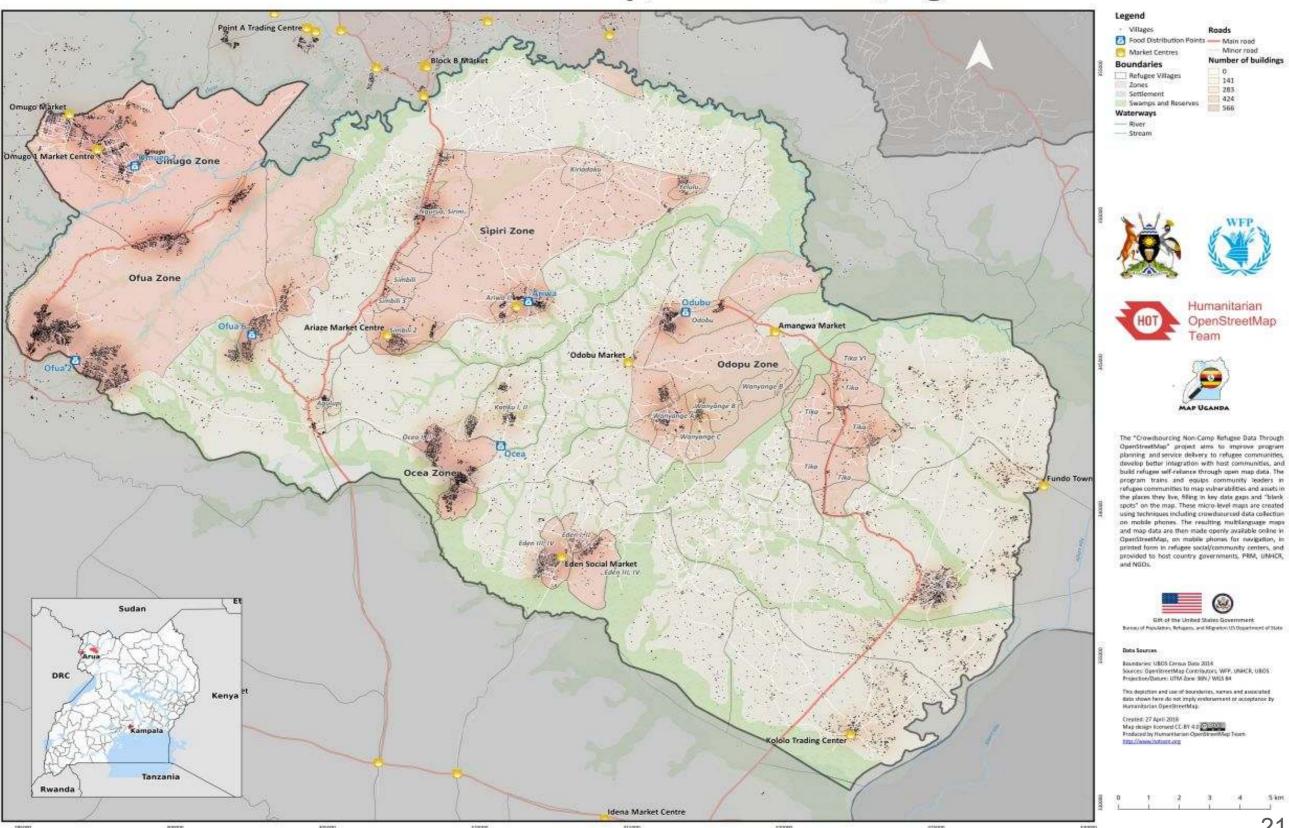


Functional vs Non-Functional Water Points

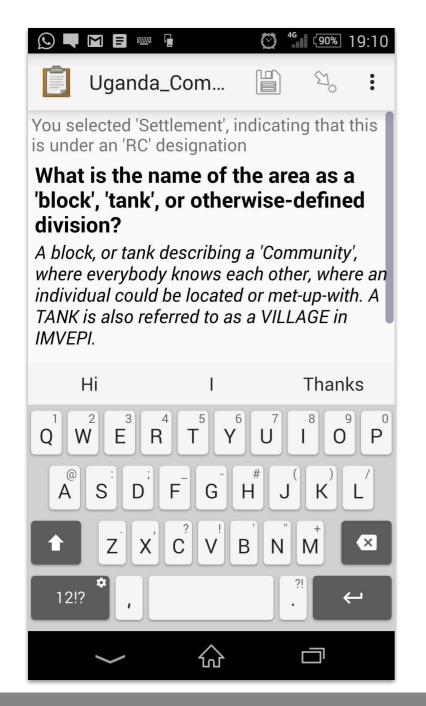


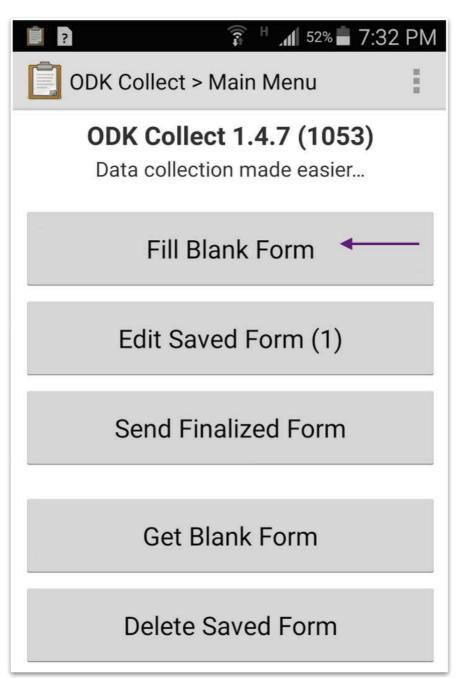
Food Distribution Points - Rhino Camp, Arua District, Uganda

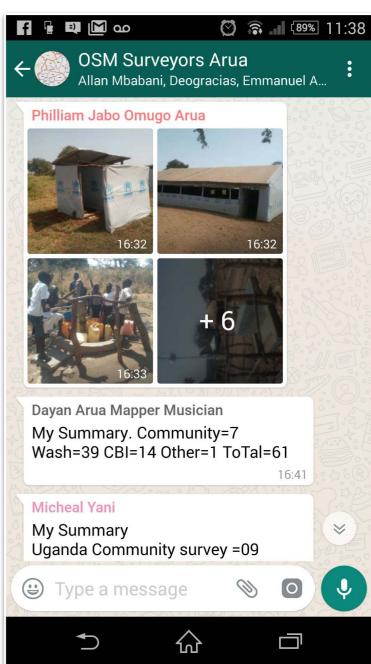
DRAFT - For Humanitarian Purposes Only Production Date: 27 April 2018



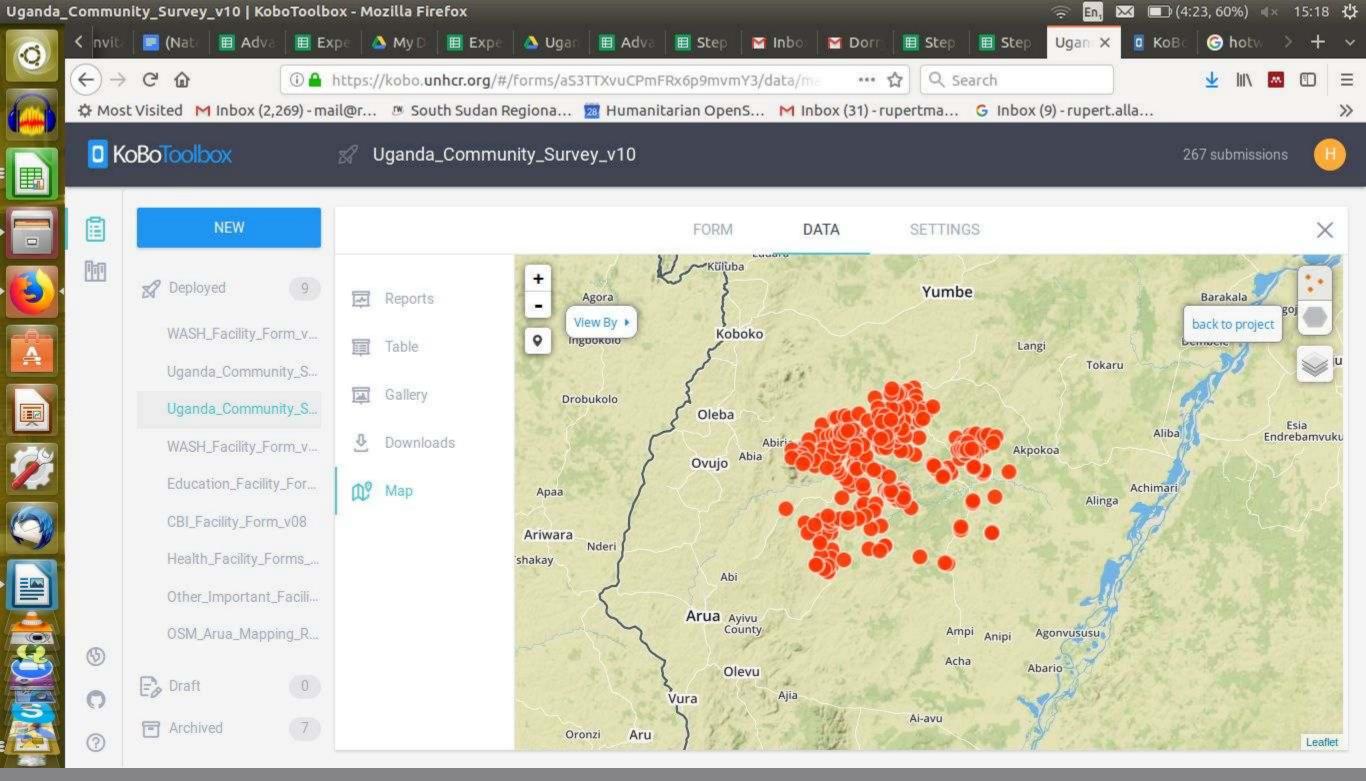






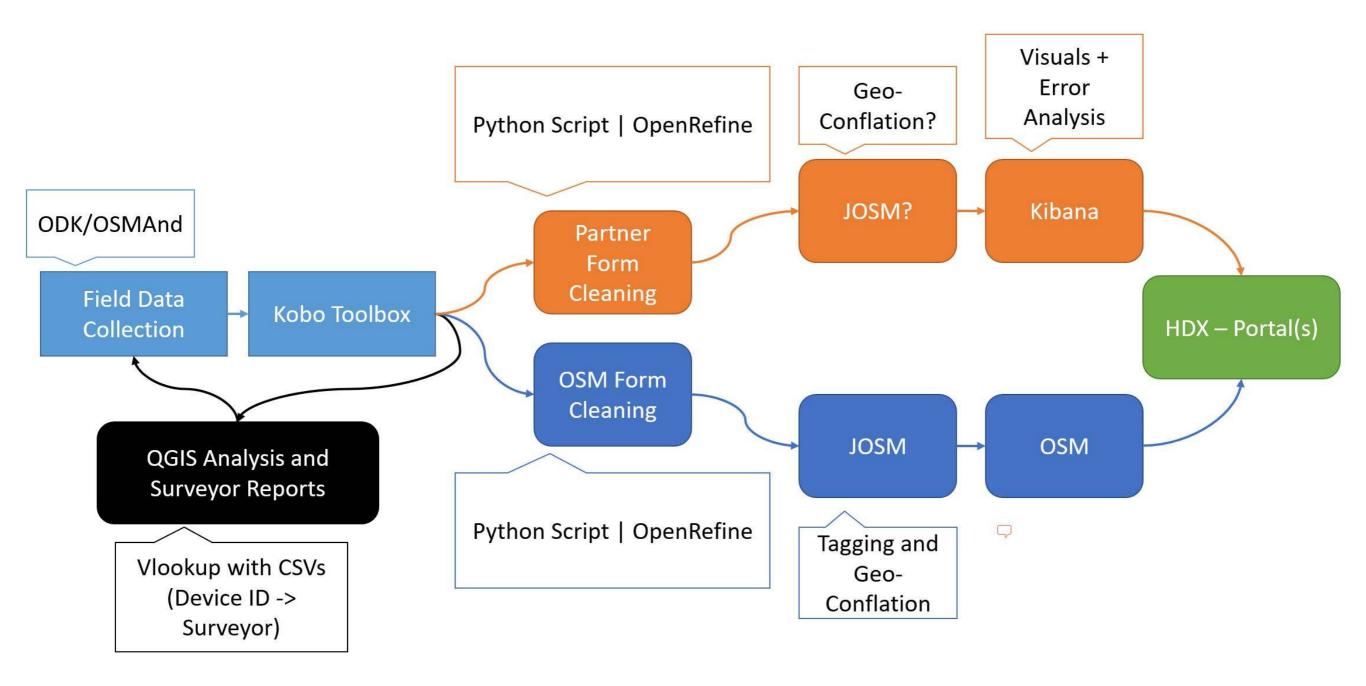


Using ODK for data collection and WhatsApp to share updates from the field



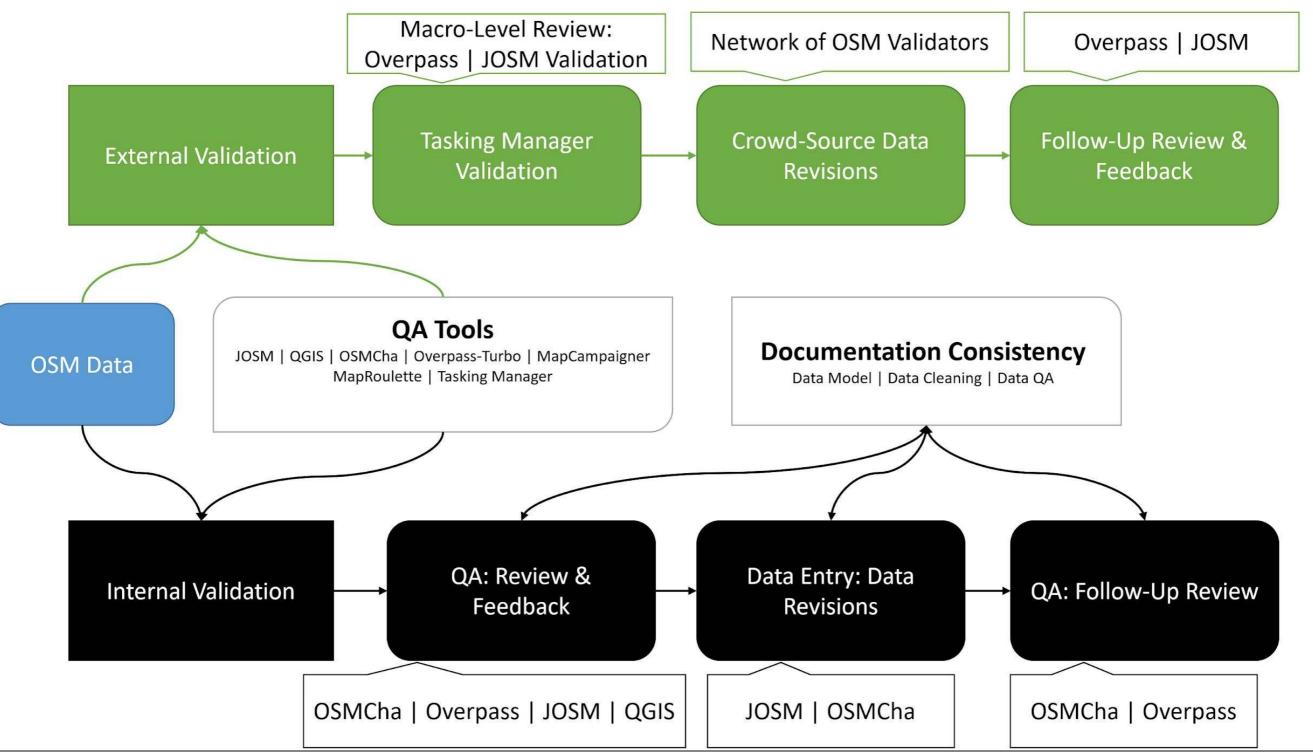
Using the Kobo server to aggregate data from the surveyors





Data cleaning pipeline, separating partner data from OSM data

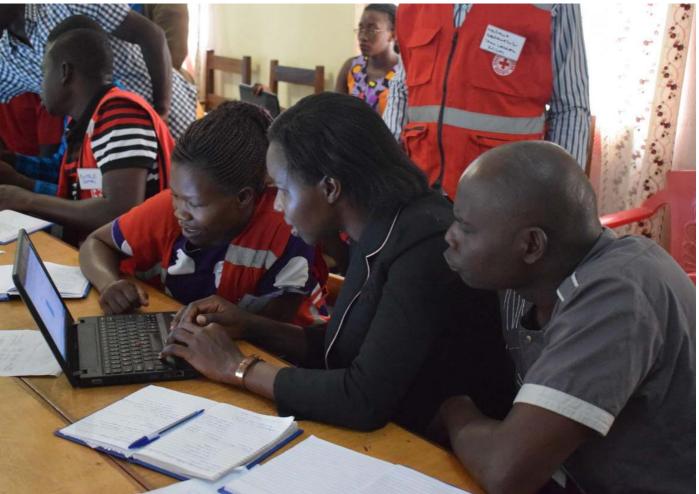




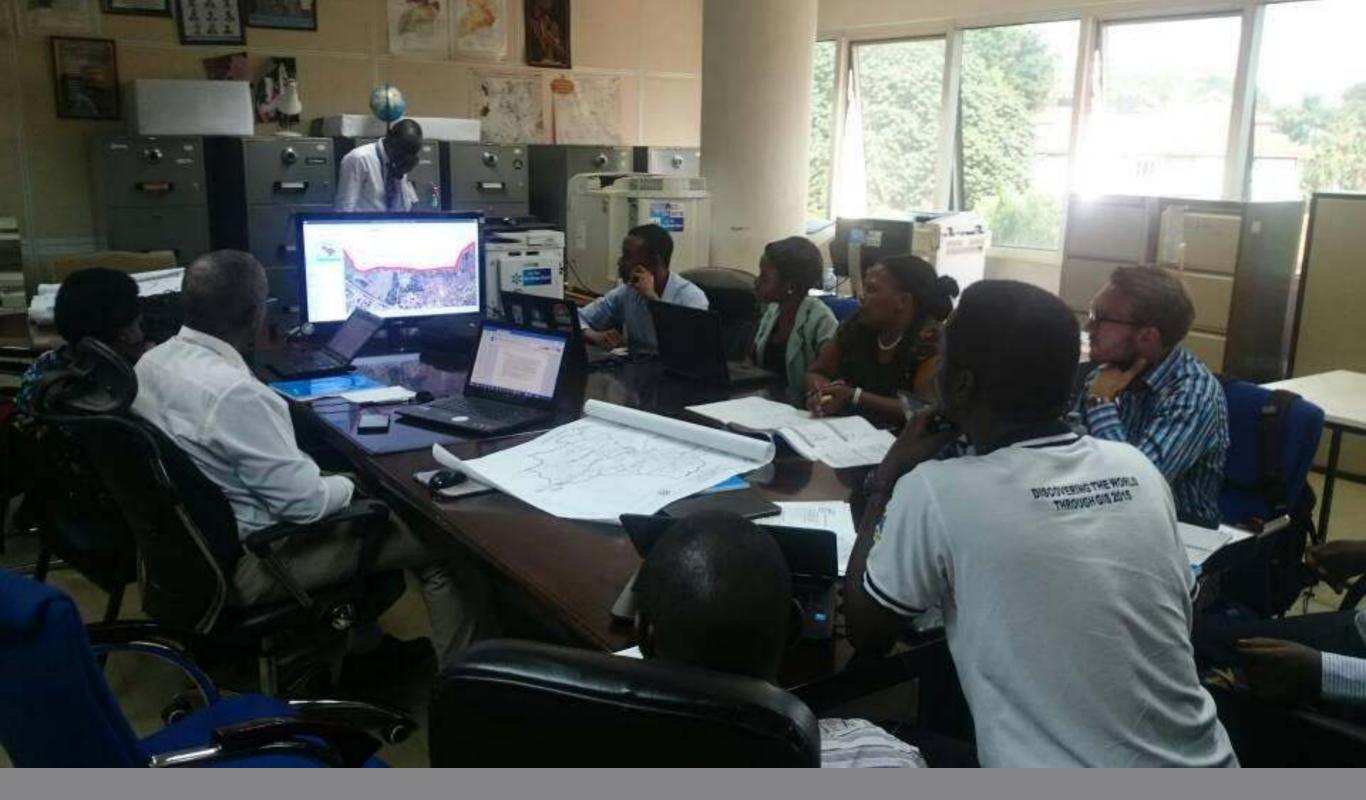
Quality Assurance workflow, data quality is key!







Inter-agency coordination - Government, NGO, and the community working together to share data on a common platform



OpenStreetMap training for government

agencies - Disaster Department (OPM) Uganda Bureau of Statistics, Ministry of Lands, City Authorities 27











Giving back to the community - Sub County offices now have maps in their offices











Creating the mappers of tomorrow - Taking OpenStreetMap to secondary schools

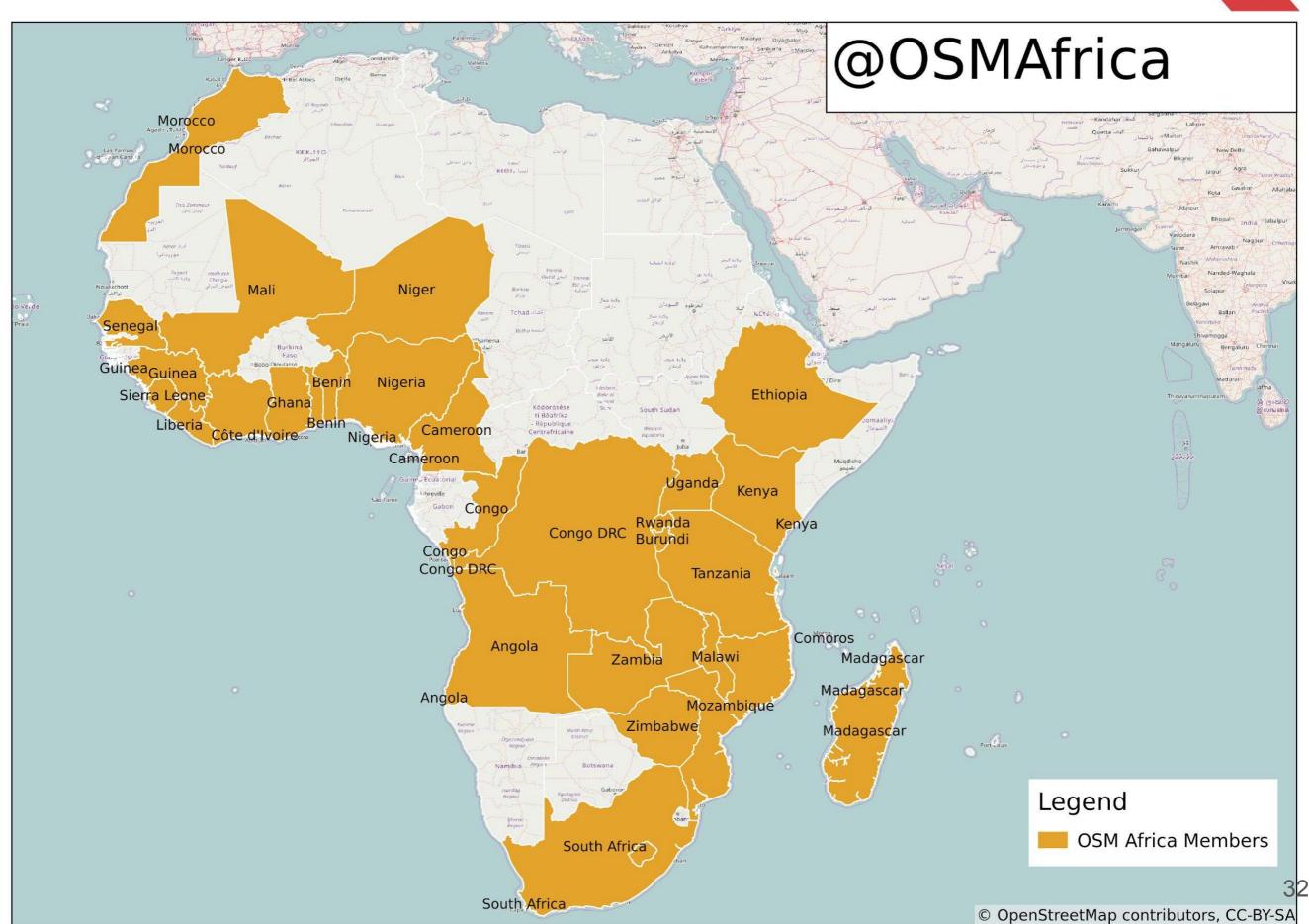






MapUganda is a registered NGO in Uganda, 8 YouthMappers Chapters





State of the Map Africa 2017





State of the Map Africa



- Creating Continental Collaboration on OpenStreetMap
- Grow OpenStreetMap Africa as a network of local OSM communities in Africa
- Showcase the possibilities of OpenStreetMap to organisations, government and businesses



OpenStreetMap Soccer Uganda Vs Rest of the World



HOT Uganda Team

















