How OpenData is driving the Paradigm Shift of Geospatial data and mapping across Africa

Willy Franck SOB from Cameroon
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FIG African YSN

Yaoundé, Cameroon
Federation of French Speaking Surveyors | Regional Focal Point of Land Surveyors Without Borders (Central Africa)

Education: MSc @ National School of Land Surveyors, Le Mans, France | PhD @ University of Yaoundé

Work: CEO on GeoSpatial Intelligence & Land Affairs / National Chair of OpenStreetMap Cameroon

"Everybody has to be able to participate in a future that they want to live for. That's what technology can do."

-Dean Kamen
OpenStreetMap in Africa
OSM Africa - A network of OpenStreetMap communities from all over Africa working together to grow OSM in Africa.
Data is the **Oil** of the 21st Century!

There is a huge opportunity for OSM in Africa....
Growth of OpenStreetMap in Africa

Key Highlights
Humanitarian Mapping

Humanitarian mapping on OpenStreetMap: all contributed edits
This visualises the density of all map edits contributed through HOT or Missing Maps before January 2016. To participate visit hotoss.org or missingmaps.org

Mapping for Ebola, Floods, Landslides, etc
Local OSM Communities

- Mapathons
- Mapping parties
- Trainings
A network of chapters at Universities using **open mapping for resilience**
Universities

- Internship programs
- Youth Mappers chapters
Governments

- Importing official government data into OSM
- Using Open Source tools to promote Open Data
- Need to learn from each other and share resources
@Crowd2Map - Tanzania: Maps are helping girls escape female genital cutting

Tanzanian girls at a safe house in Mugumu, Serengeti district. Photograph: Megan Abbott
@RamaniHuria - Tanzania: Community Mapping for Flood Resilience
@OSMGGhana

AccraMobile3 using OpenStreetMap to map TroTro routes in Accra
Mapping Malaria
54,660 buildings
by Oct 3, 2016

Mapping data helps to inform malaria prediction models, and deploy resources in communities like spraying campaigns.

Mapping over 500 Sq Km

Mapping for Malaria Elimination -
Digital Globe, the Clinton Health Access Initiative and the Humanitarian OpenStreetMap Team
Engaging youth in Refugee Settlements and the hosting community to map facilities in Northern Uganda
Humanitarian Data Exchange (HDX) is hosting OpenStreetMap datasets for administrative boundaries, buildings, points of interest, roads and waterways.
#MapLesotho - Using OpenStreetMap for Land management and effective Physical Planning
OpenStreetMap Girls - Women Empowerment #womenintechnology #letgirlsmap
Mapillary - Crowdsourced street level photos for everyone
State of the Map Africa 2017
Space a new horizon for entrepreneurship