Global Healthsites Mapping Project - Building a curated open data commons of health facility data with OpenStreetMap

Submitted by Mark Herringer (Global Healthsites Mapping Project) on January 17, 2018 - 11:57pm
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Proposal Status: Open

Executive summary

www.healthsites.io

Healthsites is building a global commons of health facility data by making OpenStreetMap useful to the medical community and humanitarian sector. We are inviting organisations to share health facility data and collaborate to establish an accessible global baseline of health facility data in support of Sustainable Development Goal 3.8 Universal Health Coverage (UHC)
The primary stakeholders are national health agencies, donor governments, and citizens accessing health services. All have a significant interest in the quality of the data that drive health systems.
Healthistes is partnering with CartONG, a project partner, in a pilot project in the Democratic Republic of the Congo to create a "data collaborative" fostering data sharing. The project focus is SDG 3.8, with the goal of monitoring health coverage by detailed mapping of health facilities using innovative, grass-roots, open tools, and sharing the data on Healthsites.io. This project is supported by the Global partnership for Sustainable Development and lead by the Netherlands Red Cross (with a parallel initiative ongoing on WASH data in Malawi).

Healthsites community is focused on three key things:

1. Enabling national health agencies and organisations to share and contribute data to OpenStreetMap
2. Enabling collaboration between national health agencies and volunteer communities
3. Connecting multiple data streams to build higher quality data

Project description

Step 1 Build
We are building an open source platform with support for OpenStreetMap and interoperability between information systems.

Step 2 Map
In collaboration with project partners including The MissingMaps we are mapping health care facilities in strategic areas where the data is most needed.
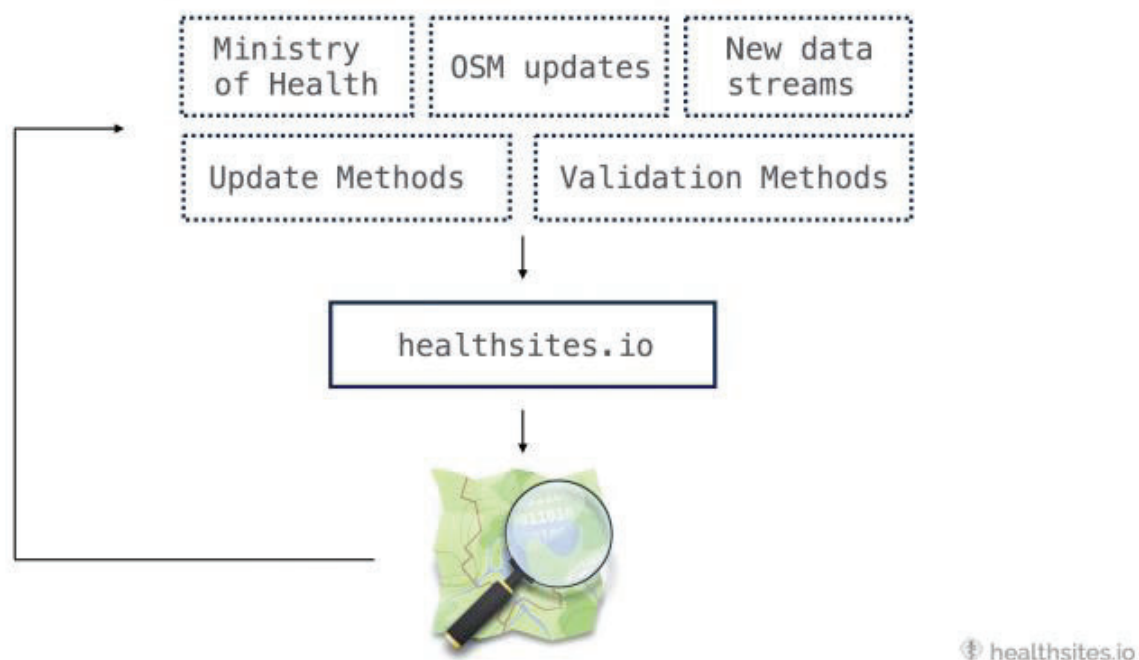
Step 3 Scale
We are exploring use cases that will motivate funding for a small team to scale this work.

Healthsites.io is planning the following activities:

1 - Continue building the interoperability of the healthsites.io platform and in particular the sharing back of data shared by national health agencies and organisations to the OpenStreetMap database.
2 - Build on the "data collaborative" approach started by CartONG in DRC in several countries, by organizing workshops and steer up exchanges between organizations on existing datasets, gaps and barriers to sharing.
3 - Support data creation and sharing in-country by supporting OpenStreetMap communities in skilling up and training local champions of open health data, in particular to develop locally, with national actors, the use cases presented below.

Healthsites context diagram

Use cases

1) Support for disaster response
Accurate and up-to-date data provides the basic data that helps drive activities like service availability planning, monitoring and evaluation, and disaster risk preparedness.
During natural disasters that occured in 2017 such as the floods in Sri Lanka, the earthquake in Iran and Iraq and Hurricane Erma Healthsites shared Health facility data in support of the disaster response.

2) Support for immunisation programs
Knowledge of location of health care providers is important for national planning.
As part of the 'Mapping the Risk of International Infectious Disease Spread (MRIIDS) project' Healthsites is curently publishing baseline health capacity data for West Africa. This data supports epidemiologists and health administrators to manage disease outbreak events.

Consortium team

The MissingMaps
http://www.missingmaps.org/

CartONG
https://cartong.org/

The Humanitarian OpenStreetMap Team
https://hotosm.org/

The International Committee of the Red Cross
https://www.icrc.org/

International Hospital Federation
https://www.ihf-fih.org/

Médecins Sans Frontières
http://www.msf.org/

Organizational management lead

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