FOSS4G UK

The collective power: HOT's approach to building open geospatial technology

Speaker: Petya Kangalova, Humanitarian OpenStreetMap Team

Thursday 7 September, 11:15-11:45

HOT
Humanitarian
OpenStreetMap
Team
Stock footage provided by Videvo

Humanitarian
OpenStreetMap
Team

We are international team dedicated to humanitarian action and community development through open mapping.

HOT
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Our mission is to ensure the that the local, community-sourced map data are accessible and utilised when decision are made.

WHAT WE DO

Support humanitarian response by creating open source maps and data to respond to disasters and reach target communities

Mobilize contributors to generate map data for development and humanitarian aid

Support OSM communities to prepare for and respond to disasters and local development challenges

Tech: Develop free, user-friendly open source mapping tools

Grantmaking for Open Mapping Organisations and Communities to address local challenges

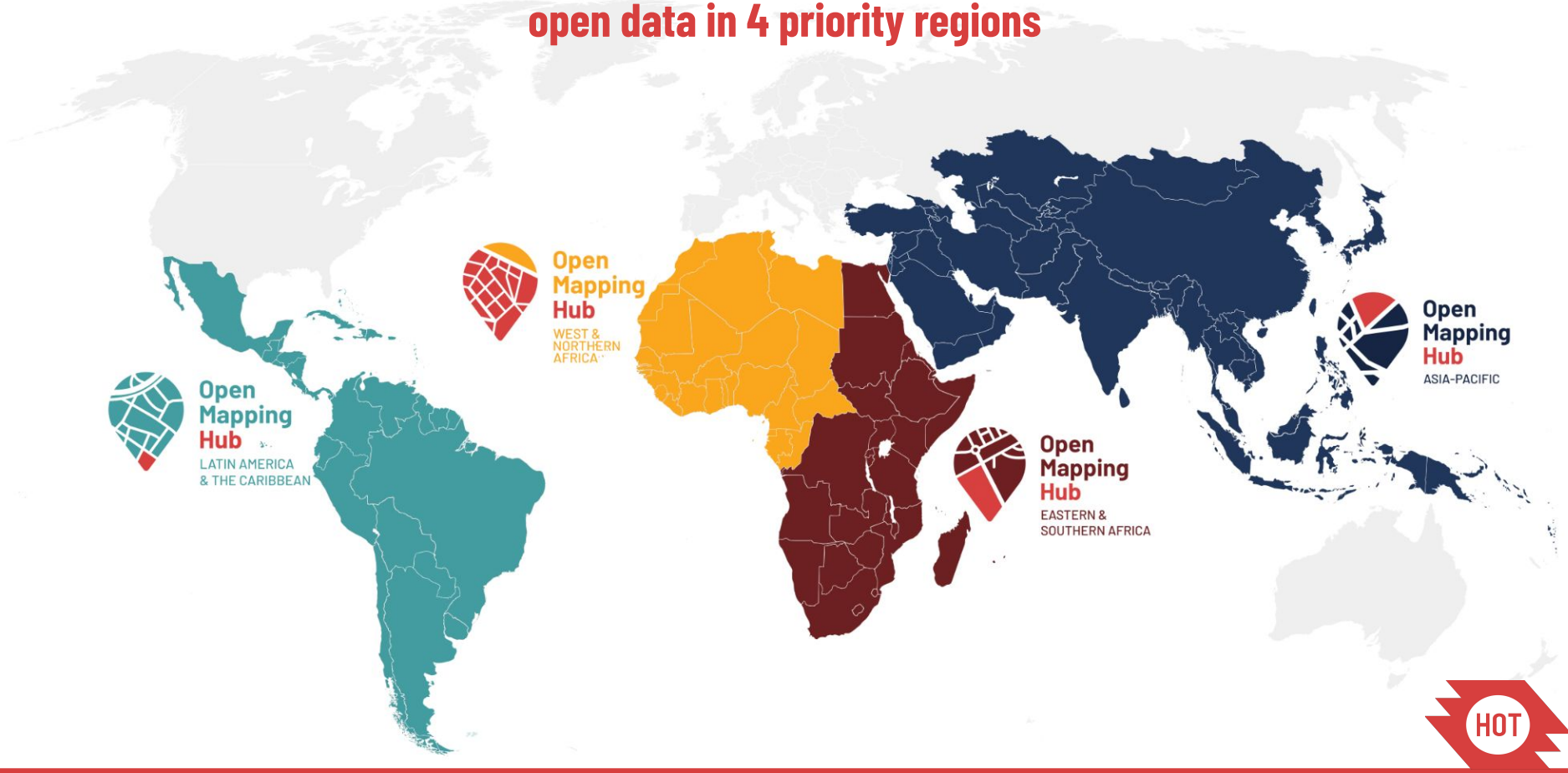
Capacity development: Provide mentoring, internships, peer-training, skillsharing

Partnerships: Co-create maps for impact with organizations worldwide.

Data quality: Monitor data quality and validate maps

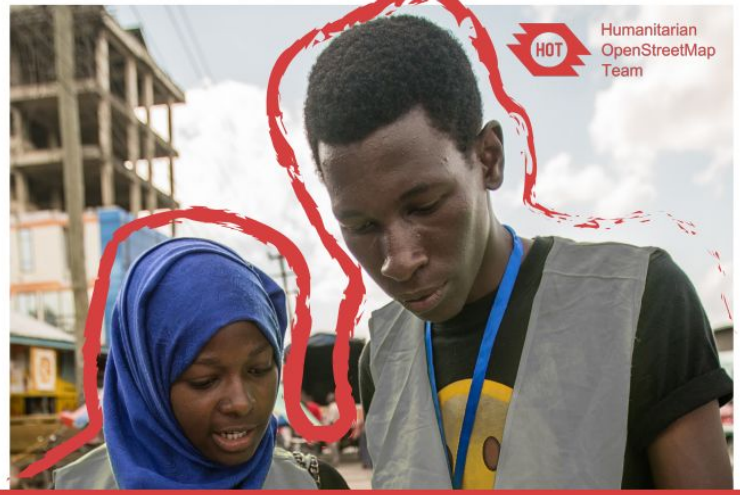
HOT

HOT is strengthening OpenStreetMap communities & open data in 4 priority regions



HOT

Humanitarian OpenStreetMap Team - 2023



IMPACT REPORT 2022 - 2023

MAPPING OUR WORLD TOGETHER

Ours is a Global Effort

HIGHLIGHTED PROJECTS AROUND THE WORLD

645,000 MAPPERS*

3,000 PROJECTS

148 PARTNERSHIPS

52 COUNTRIES MAPPED

AREA HOME TO

707 MILLION PEOPLE

The Power of Collective Intelligence

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Humanitarian OpenStreetMap Team

People

Creativity

Ideas

Passions

Knowledge

Experience

Diversity

Worldviews

Power

Culture

Tech

Software

Mobile

Drones

Satellites

Sensors

Artificial Intelligence

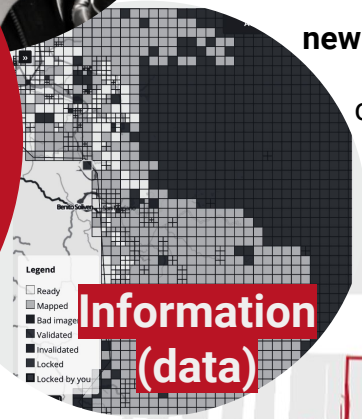
Collective Intelligence

greater than the sum of the parts

Information (data)

new sources of data

community-crowdsourced local information



HOT's Tech and Innovation Projects

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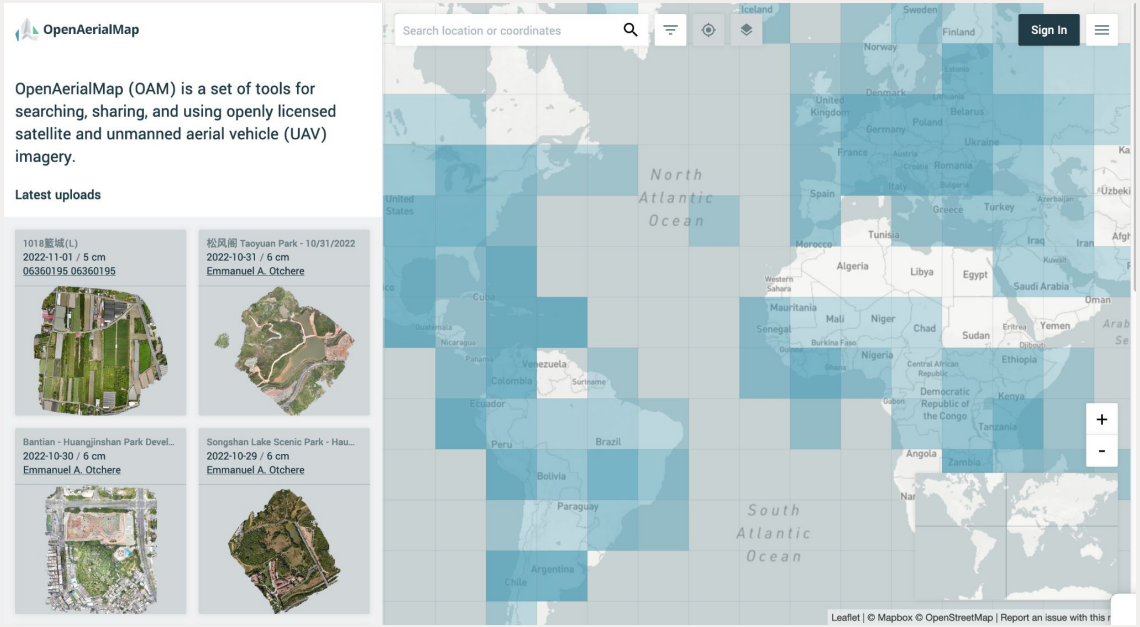
Key HOT products enabling COLLECTIVE Mapping

OpenAerialMap (OAM)

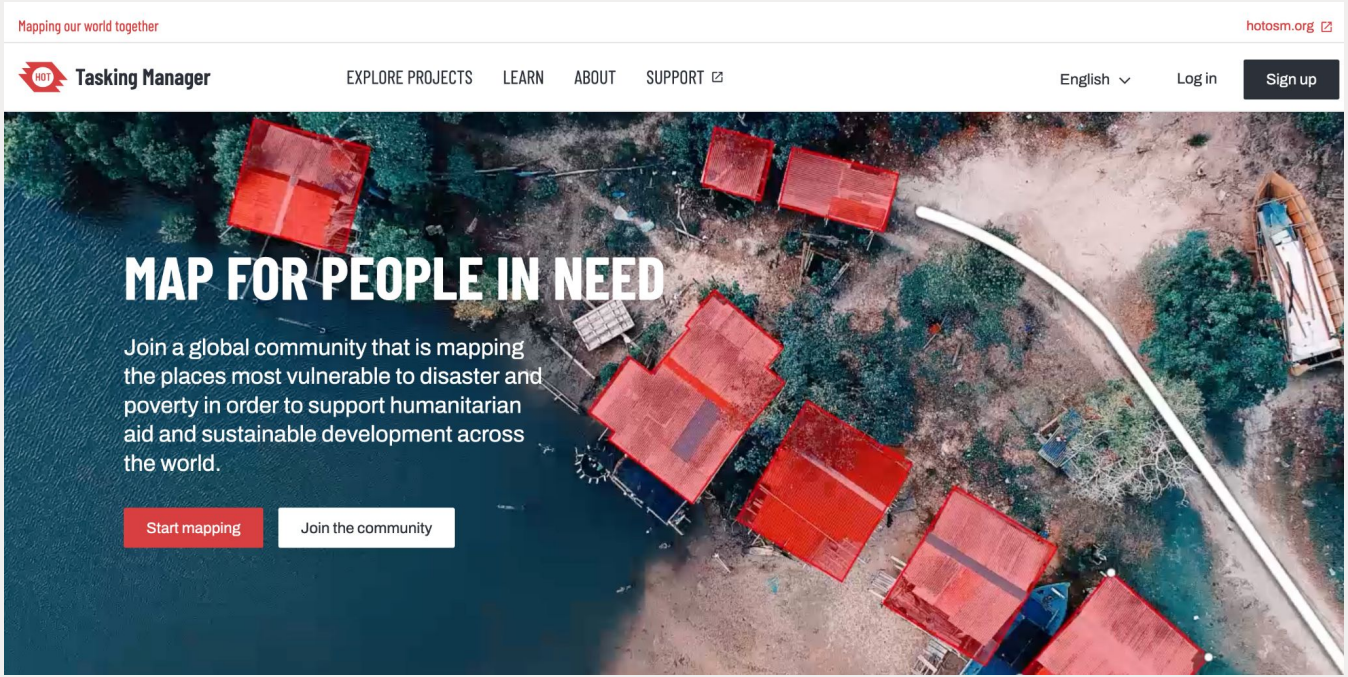
https://openaerialmap.org/



Key HOT products enabling COLLECTIVE Mapping

Tasking Manager

https://tasks.hotosm.org/



FMTM

Field Mapping Tasking Manager

- a HOT experiment

Status: deployment

A coordination tool for organised field mapping

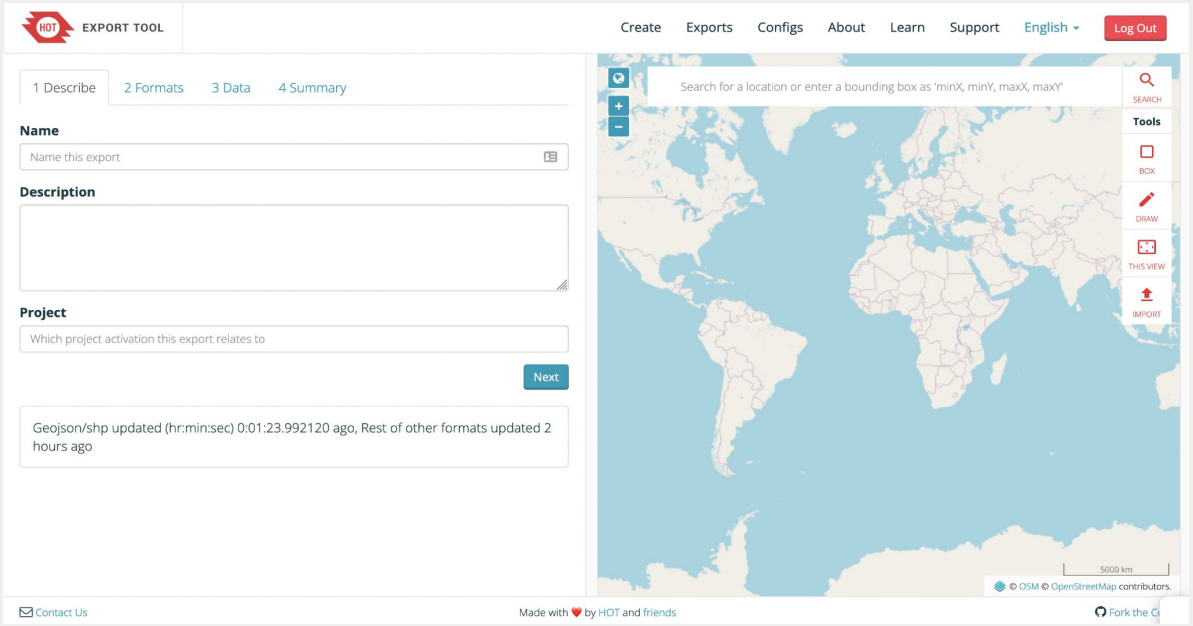
- *based on all the best free & open field mapping tool*

Status: apha stage
fAIr
The local & Open
AI-assisted mapping tool
>> GitHub <<
Blog about fAIr
hotosm.org/tech-blog/hot-tech-talks-fair/

Key HOT products enabling COLLECTIVE Mapping

Export Tool

https://export.hotosm.org/en/v3/



How to Get Involved

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HOTOSM Open Source Projects

Different ways to get involved:

- **Advocate & Educate:** the power of open source contribution
- **Test & improve user experience:** test our products, share your user feedback, design
- **Improve the knowledge base:** documentation on Github, product tutorials, etc.
- **Translate:** helping an open source project with translation
- **Github & code contributions:** report bugs, raise issues, PRs.

HOTOSM Github Repo

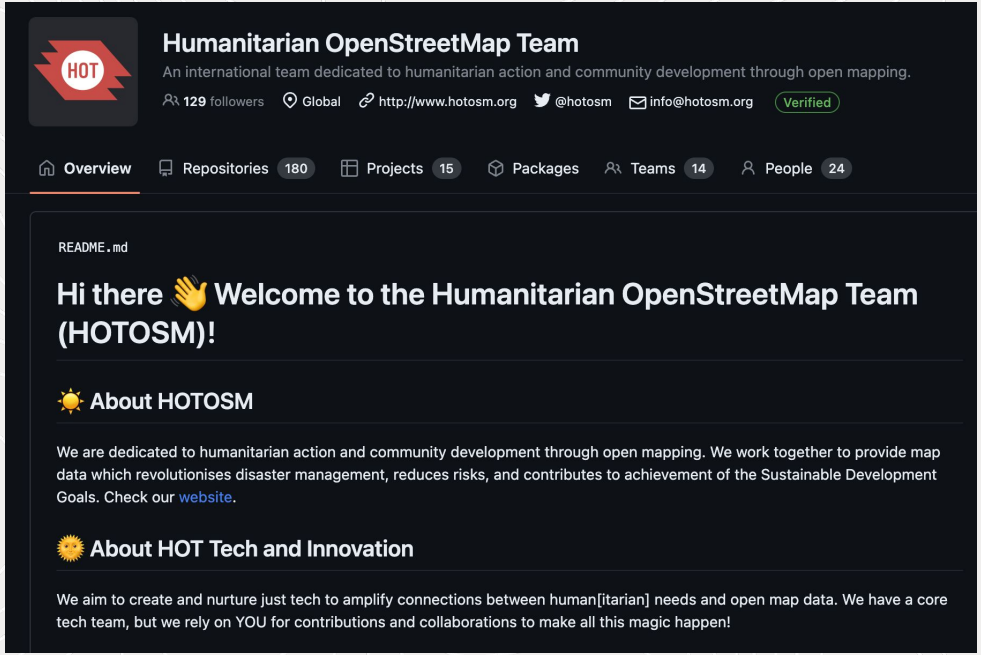
Where to begin on Github?

Step 1: Register on Github

Step 2: Look at the pinned repositories

Step 3: Read contributor guidelines

Step 4: Find "good-first" issues



Stay in touch

- **Github:** https://github.com/hotosm
- **HOT Tech and Innovation WG:** next one on 12th of September!
- **Slack:** https://slack.hotosm.org
- **Blogs:** read our blogs on OSM Discourse & hot_tech blogs
- **Twitter:** hotosm
- **Email:** tech@hotosm.org and petya.kangalova@hotosm.org

HOT Tech & Innovation WG!

Join us!

Questions?