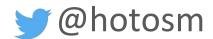
OpenStreetMap for

Humanitarian Response and Understanding Disaster Risk

Cristiano Giovando | 19 September 2016



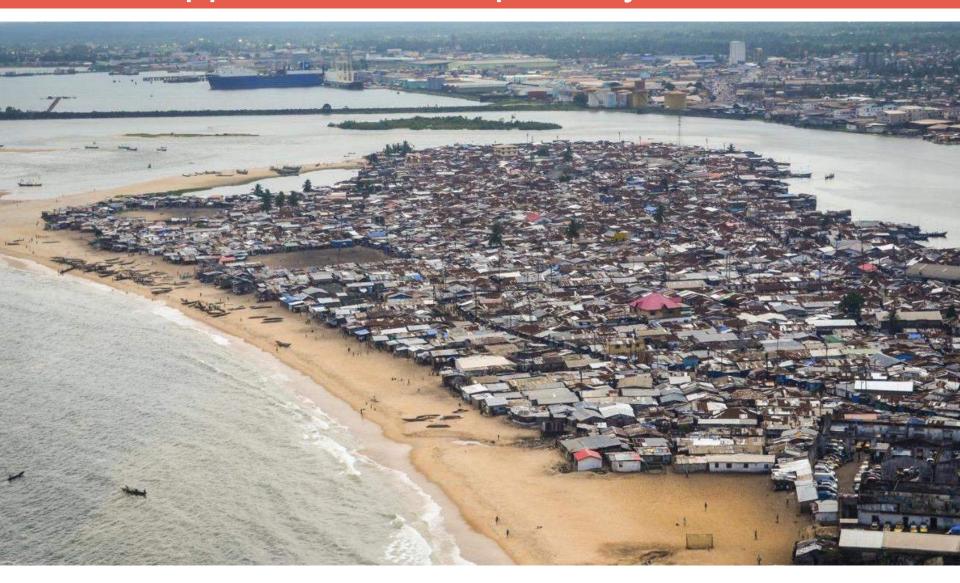
www.hotosm.org



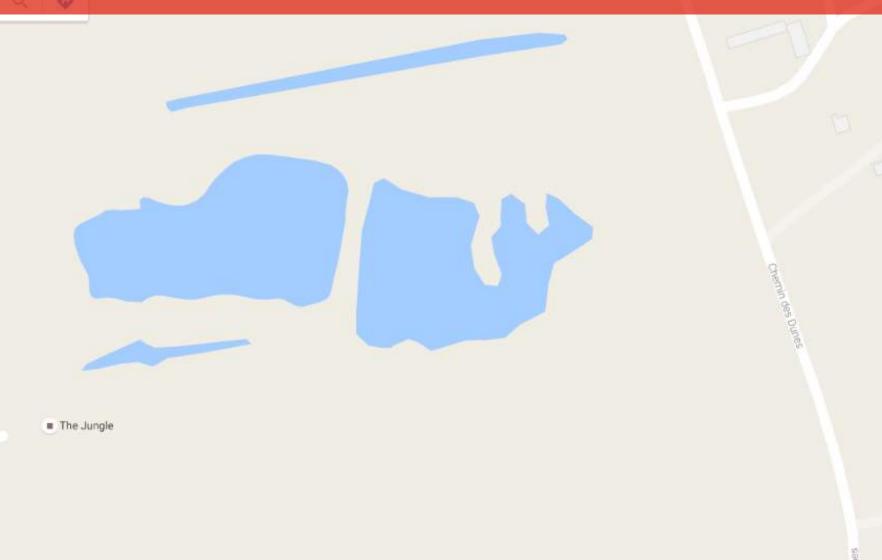
Maps and map data: critical tools in disaster response and to understand disaster risk



Problem: millions of people live in places that don't appear on the map in any level of detail

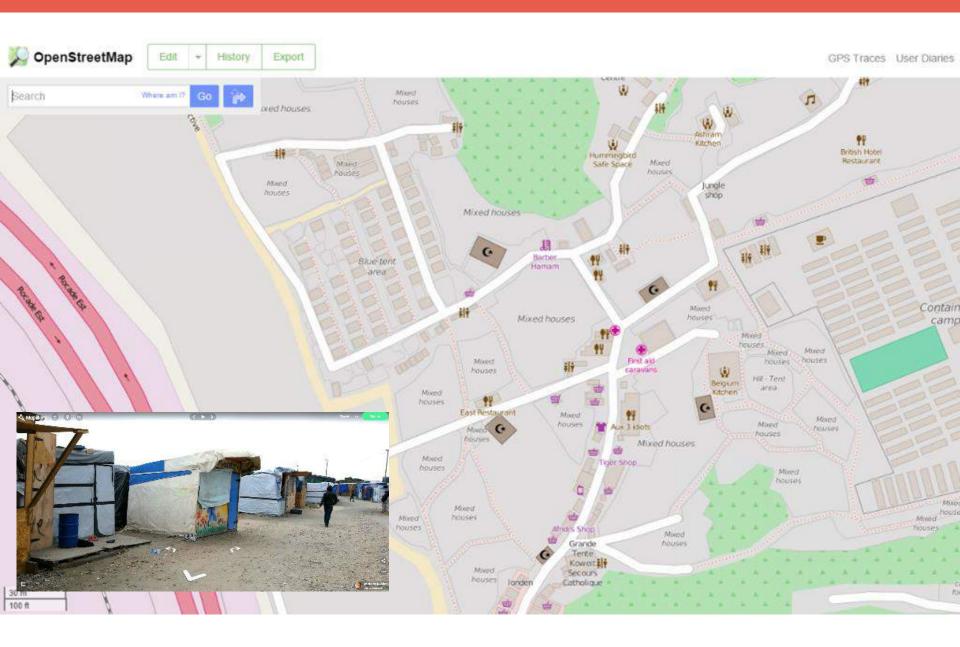


Believe it or not, not everything is mapped



Google

Same location - different map



It takes a community...or rather, many of them











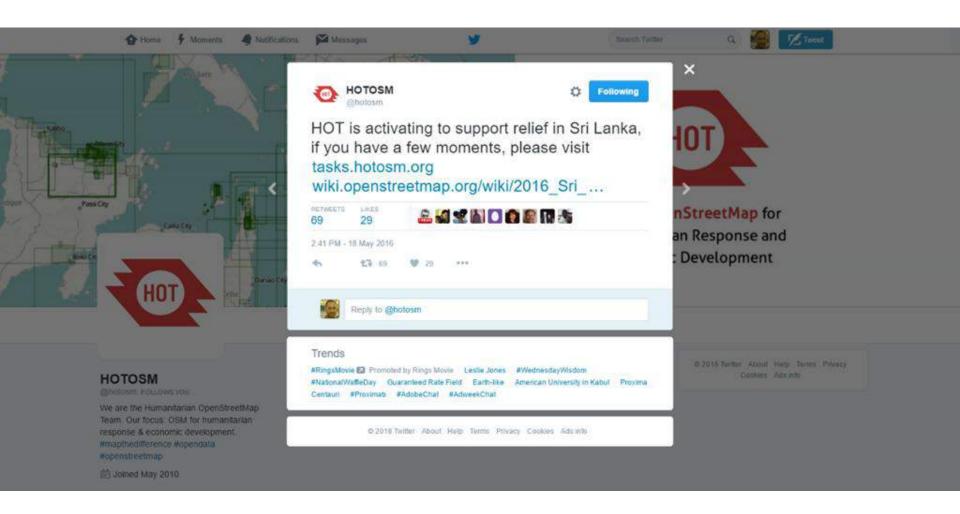
HOT makes this happen:

training & mobilizing volunteers

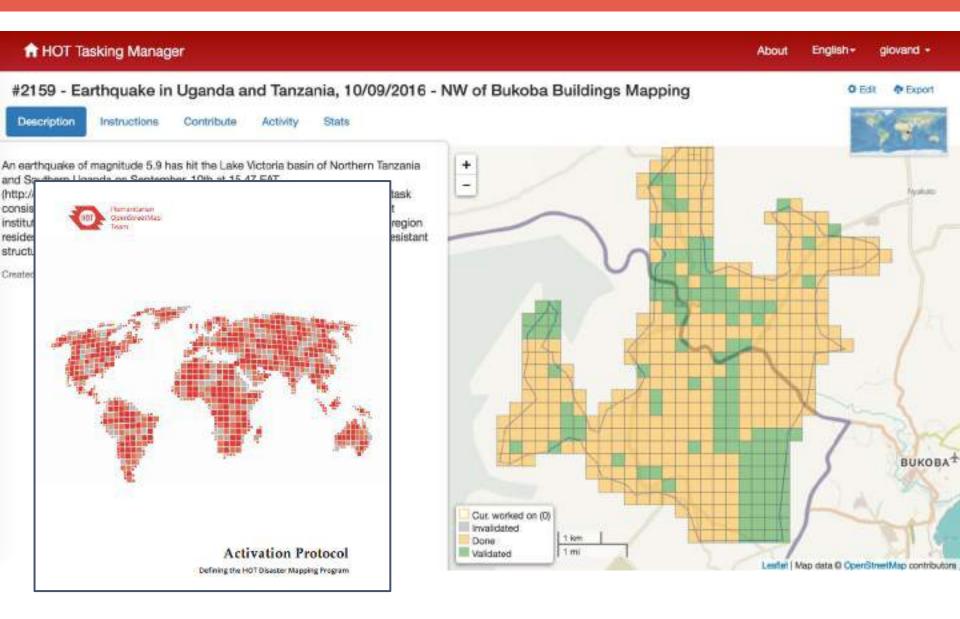
Who map from their home, school, or office



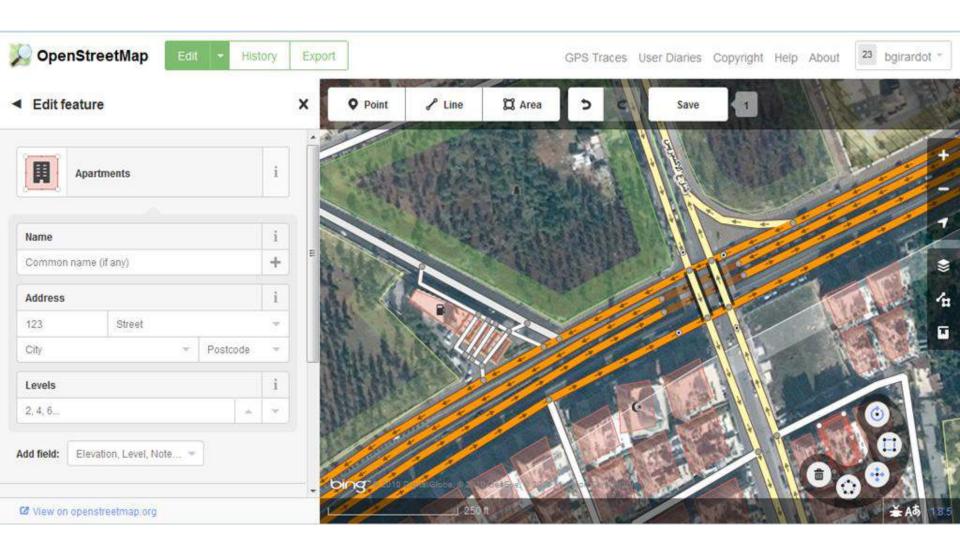
Disaster Activations: Massive rapid response mapping



We use open source, scalable web-based tools



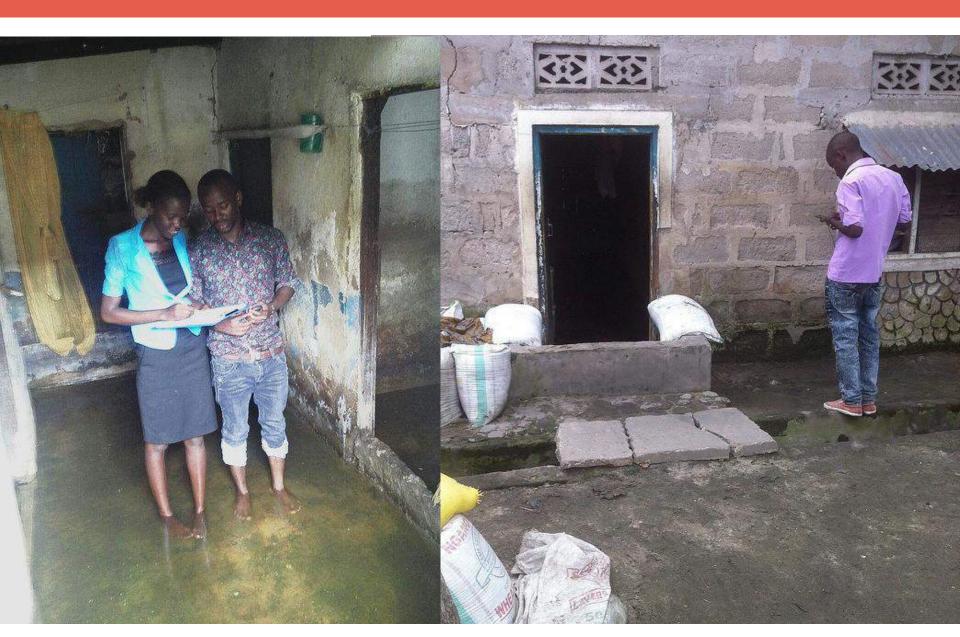
OpenStreetMap iD Editor and Tutorials



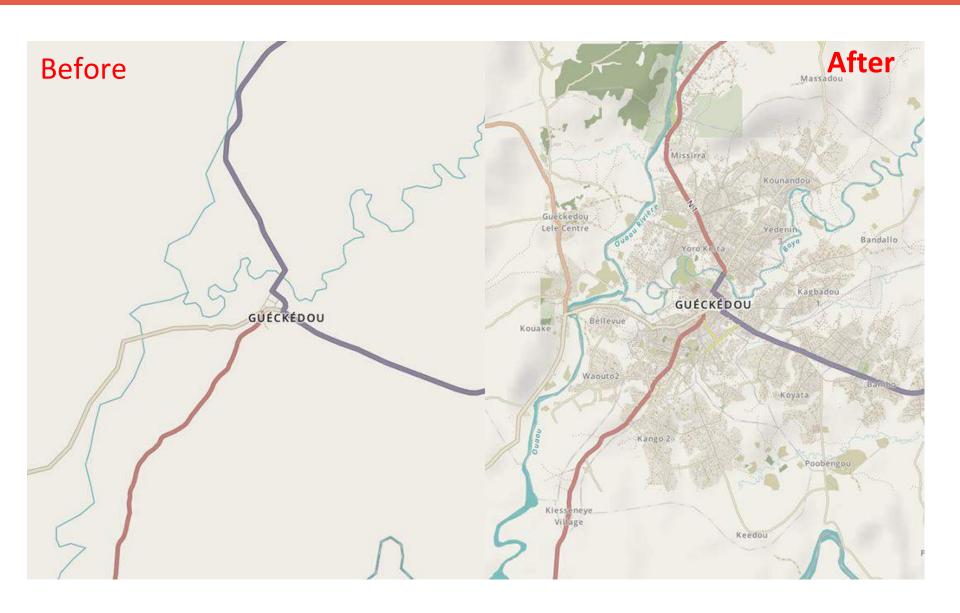
or on the ground



Incredible detail: vulnerability recorded at the micro-level

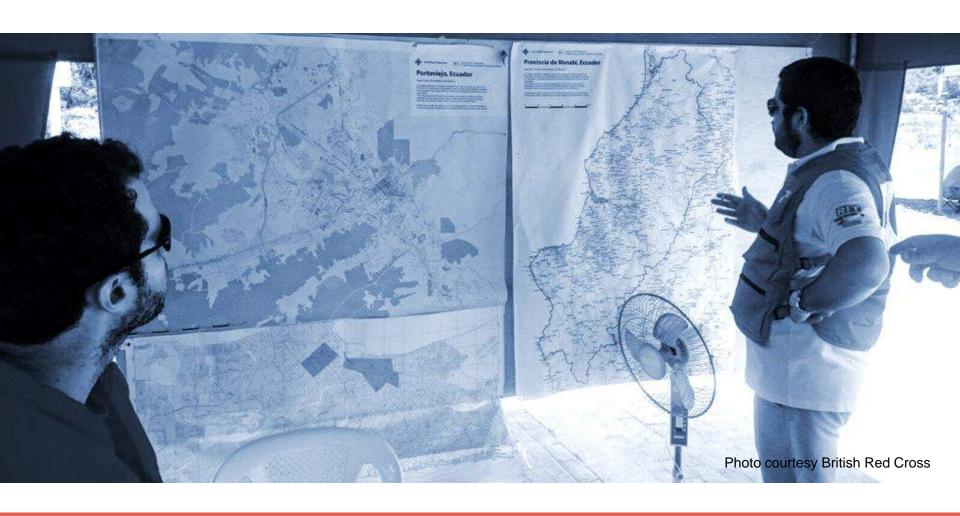


Gueckedou: 5 days, 244 volunteers, 90,000+ buildings



Nepal





OSM in action: Portoviejo, Ecuador

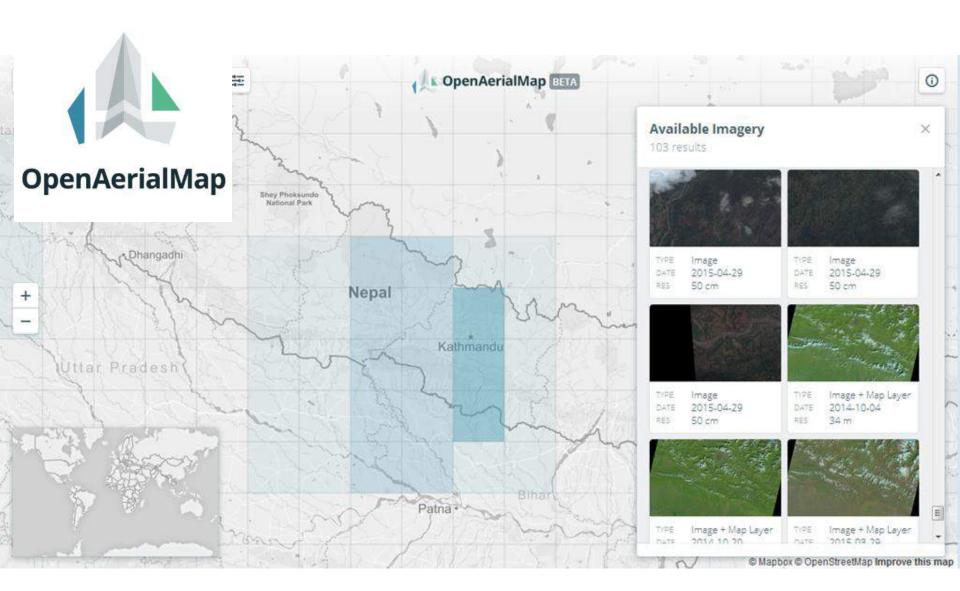
Open Maps by the Community for the Community



Flood Inundation modeling – Dar es Salam



OpenAerialMap and Open Imagery Network



GEO, IWG-SEM, UN GGIM...

HOT Joins the Group on Earth Observations





In July, HOT was voted in as a participating organization of the Group on Earth Observations (GEO). Forums like GEO that emphasize sharing of free and open Earth observation data are

Posted by:

Tyler Radford

Date posted:

Aug 23 2016















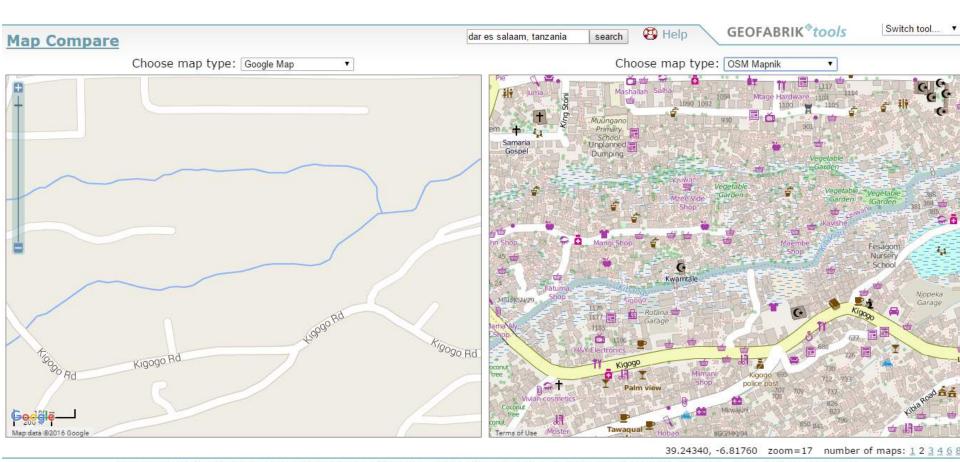


We're not only mapping after disaster -- let's make better maps available before disasters strike

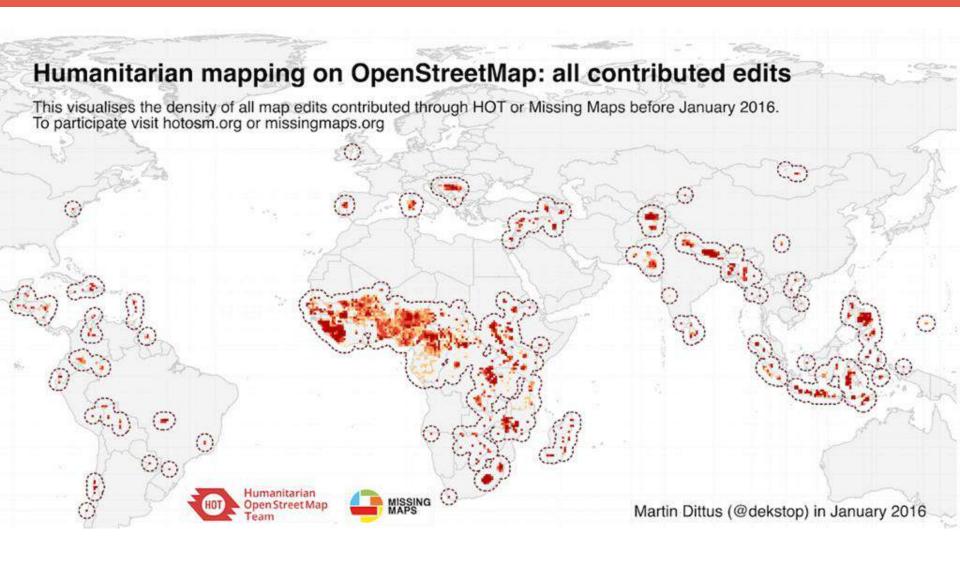
HUGE need for Open DATA Geospatial

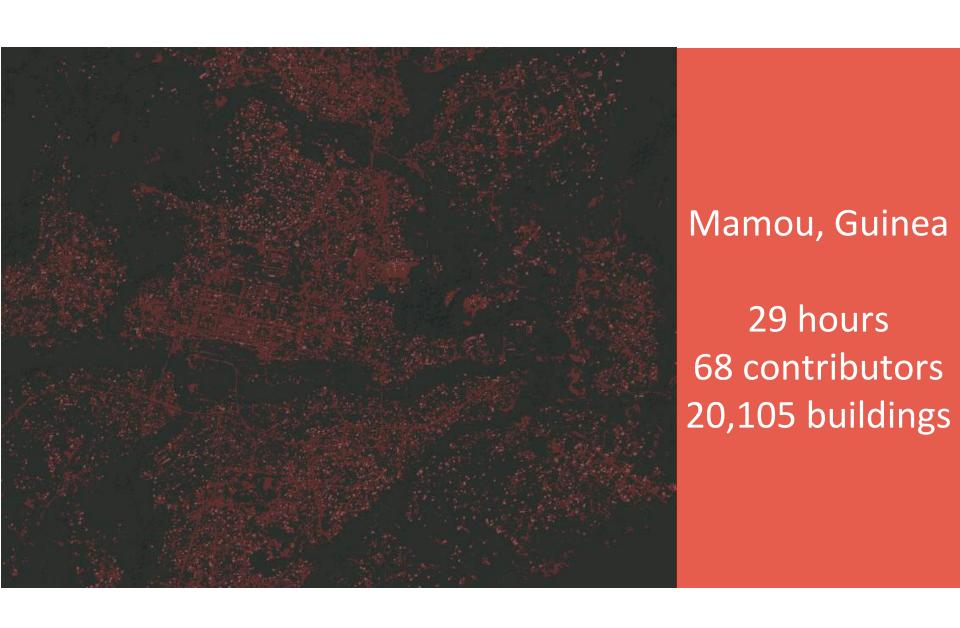
"quality, accessible, timely and reliable disaggregated data will be needed to help with the measurement of progress and to ensure that no one is left behind" (UN GA resolution 70/1, para. 48).

Crowdsourced, VGI, Open Geodata: big role to play in filling gaps at micro-level



Thank you! info@hotosm.org @hotosm







And not only disaster: health, education, transport, WASH











































