

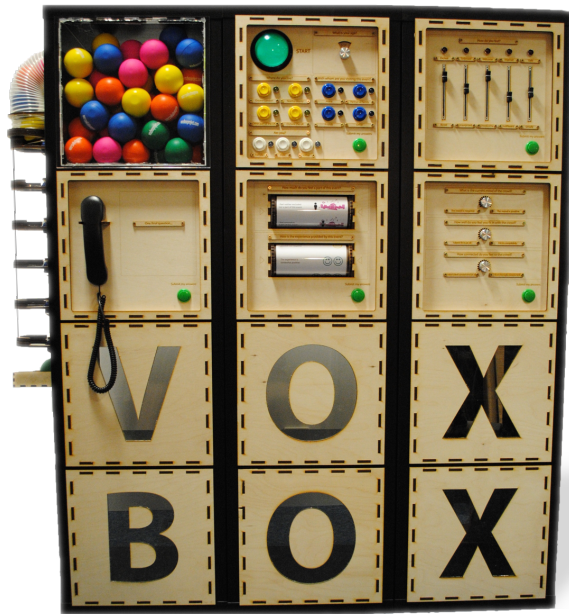
Community Knowledge

Open data sets collected by “everyone”

Martin Dittus · ICRI Cities, UCL · @dekstop

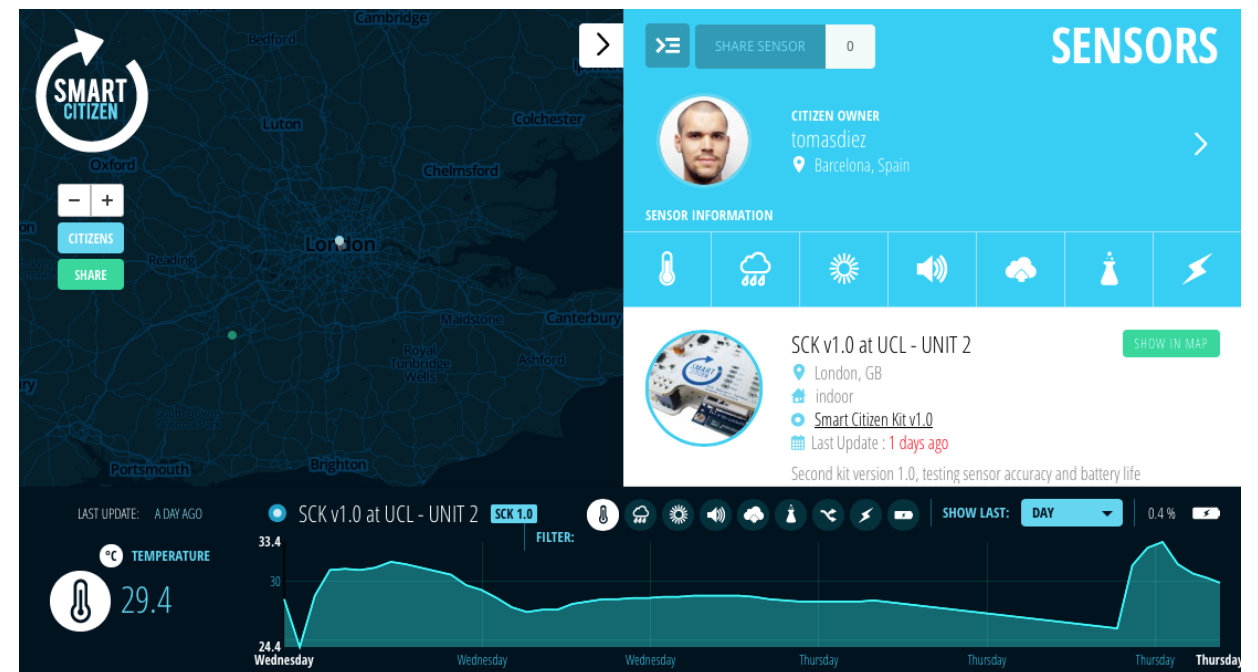
1st October 2014 at Social Innovation Cities, Rome

Vox Box: crowd surveys



CrowdMemo: cultural heritage

Mill Road: street visualisations



Smart Citizen: community sensing

Search

Where am I?

Go



Edit feature

X

Point

Line

Area

Undo

Save

1

Museum

Name

MAXXI

Operator

Unknown

Building

☒ Yes

Address

via Guido Reni 4 A

00196 Roma

Source

Bing, Local knowledge

Website

www.fondazionemaxxi.it

Wheelchair Access

☒ yes

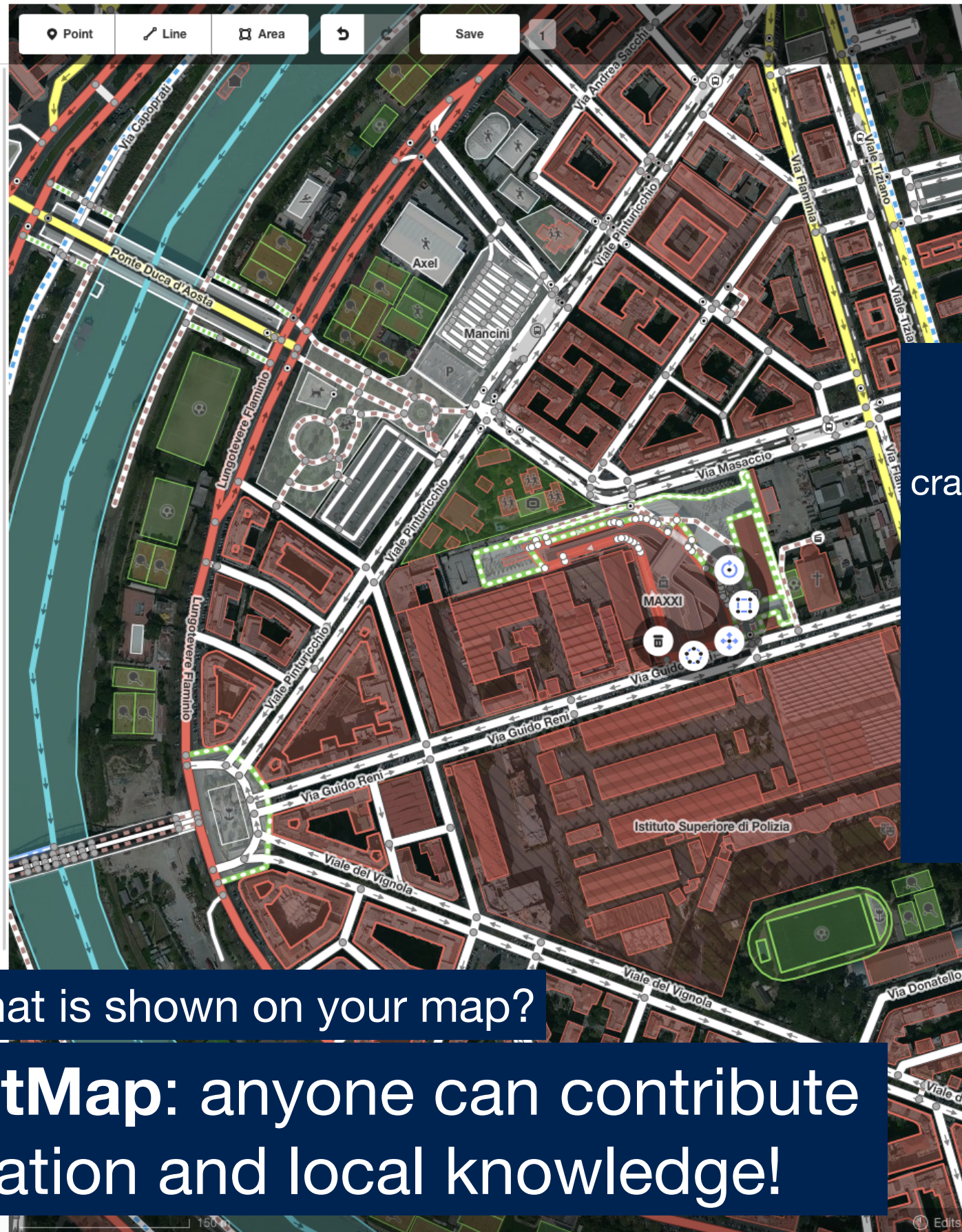
☐ limited

☐ no

Wikipedia

Italiano

MAXXI - Museo nazionale delle arti del XXI secolo



Classic map features

streets and buildings
public places
parks and rivers
sports grounds
transport routes

...

But also much more

historic sites
craftspeople and producers
shops and businesses
administrative offices
cycle routes
wheelchair accessibility
emergency facilities
post boxes
ping pong tables

...

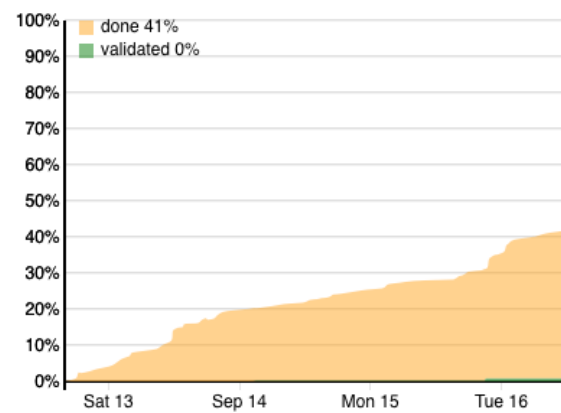
Who decides what is shown on your map?

OpenStreetMap: anyone can contribute new information and local knowledge!

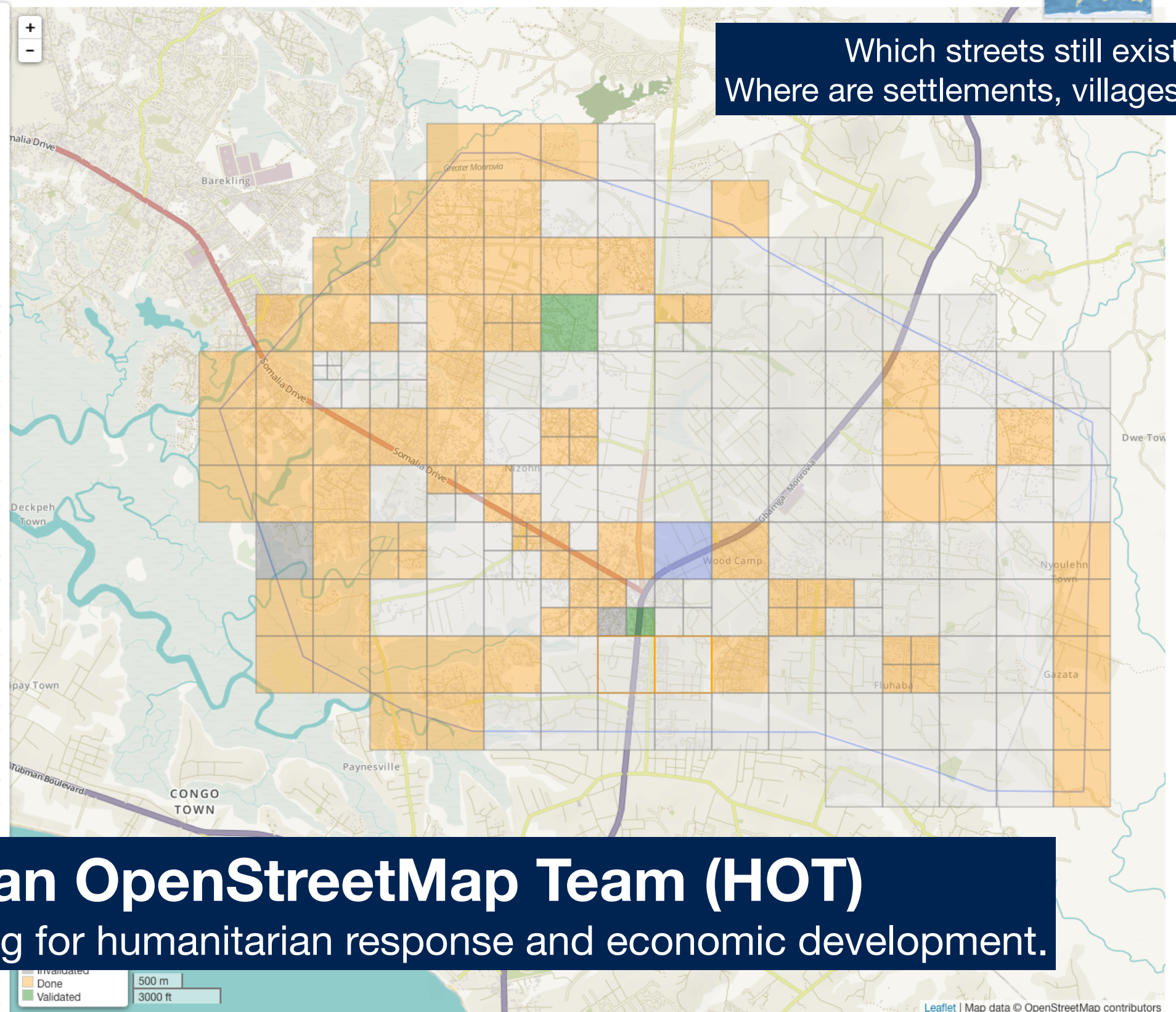
[View on openstreetmap.org](#)

#647 - Ebola Outbreak, Paynesville centre, Monrovia, Buildings

Instructions Contribute Activity Stats



Contributors	Done	Assigned
rwst	3	-
abelardos	1	-
Samusz	2	-
thirteen	1	-
Wim L	3	-
vtcraghead	4	-
raubraupe	1	-
techlady	4	-
vmorbey	2	-
b00z3	5	-
VikingElf	1	-
H@mlet	2	-
coconut-444	1	-
blumikey	1	-
zarl	3	-
CloCkWeRX	5	-
Ismaila SEYE	2	-
emilde	1	-
Rovastar	12	-
vichada	1	-
Mappermaelstrom	1	-



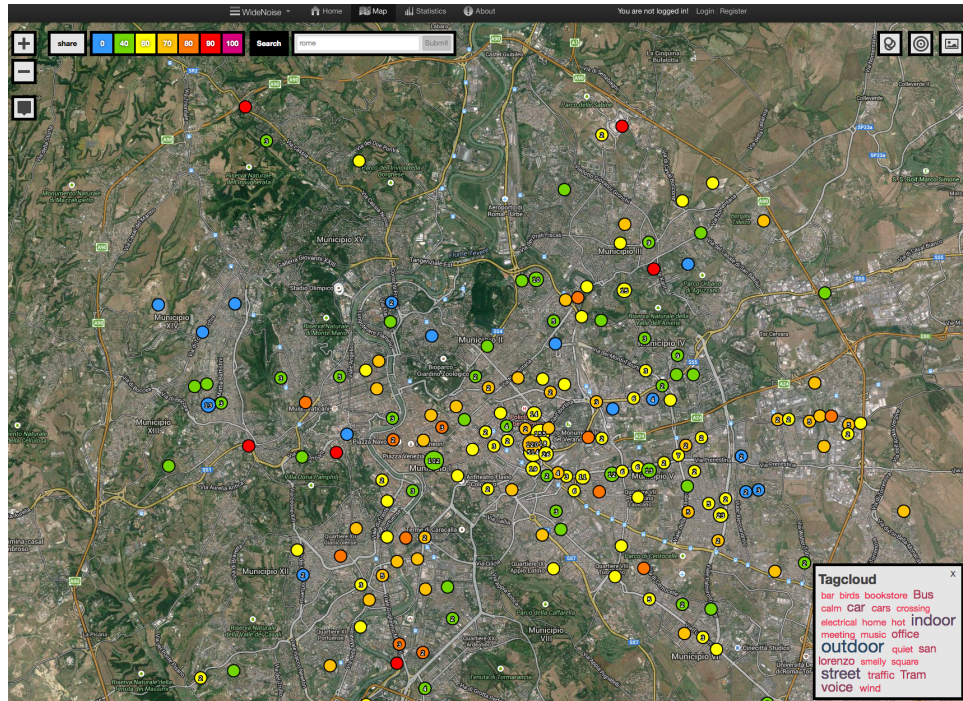
Quick-response mapping in disaster areas
Updating maps after earthquakes or floods
Mapping undocumented regions

Which streets still exist?
Where are settlements, villages?

Humanitarian OpenStreetMap Team (HOT)

Volunteer mapping for humanitarian response and economic development.

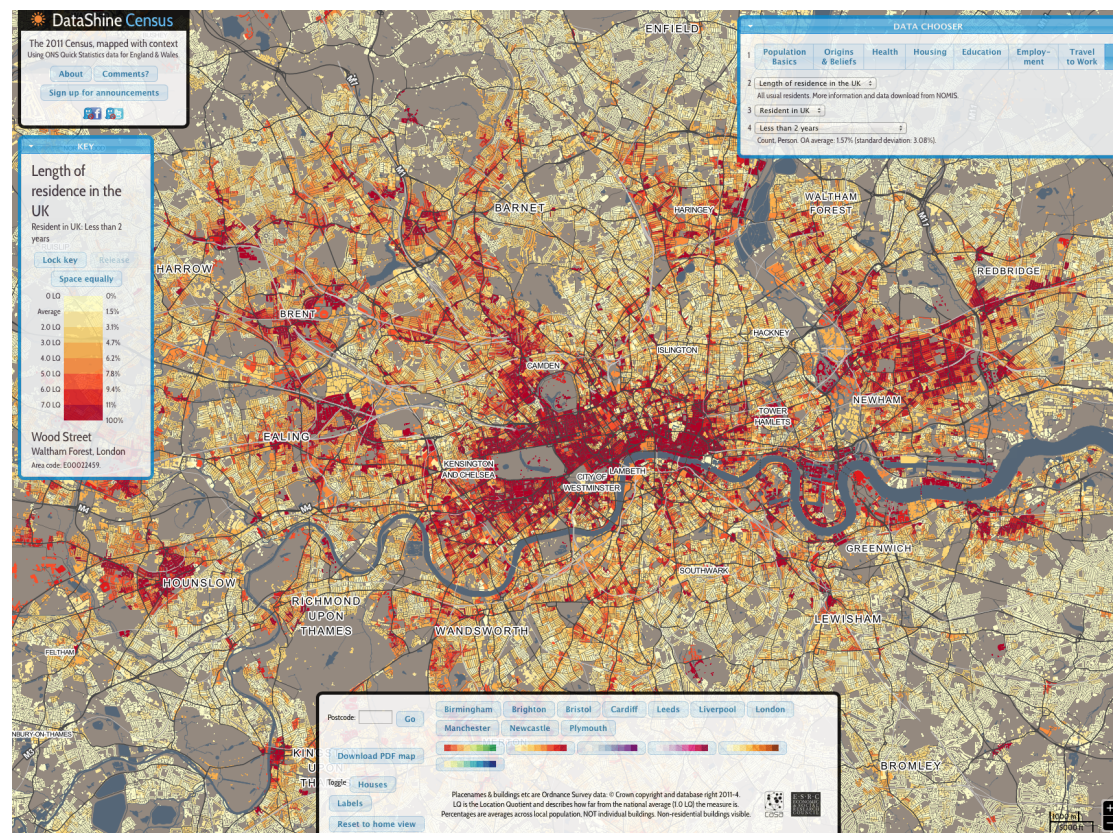
WideNoise: noise monitoring



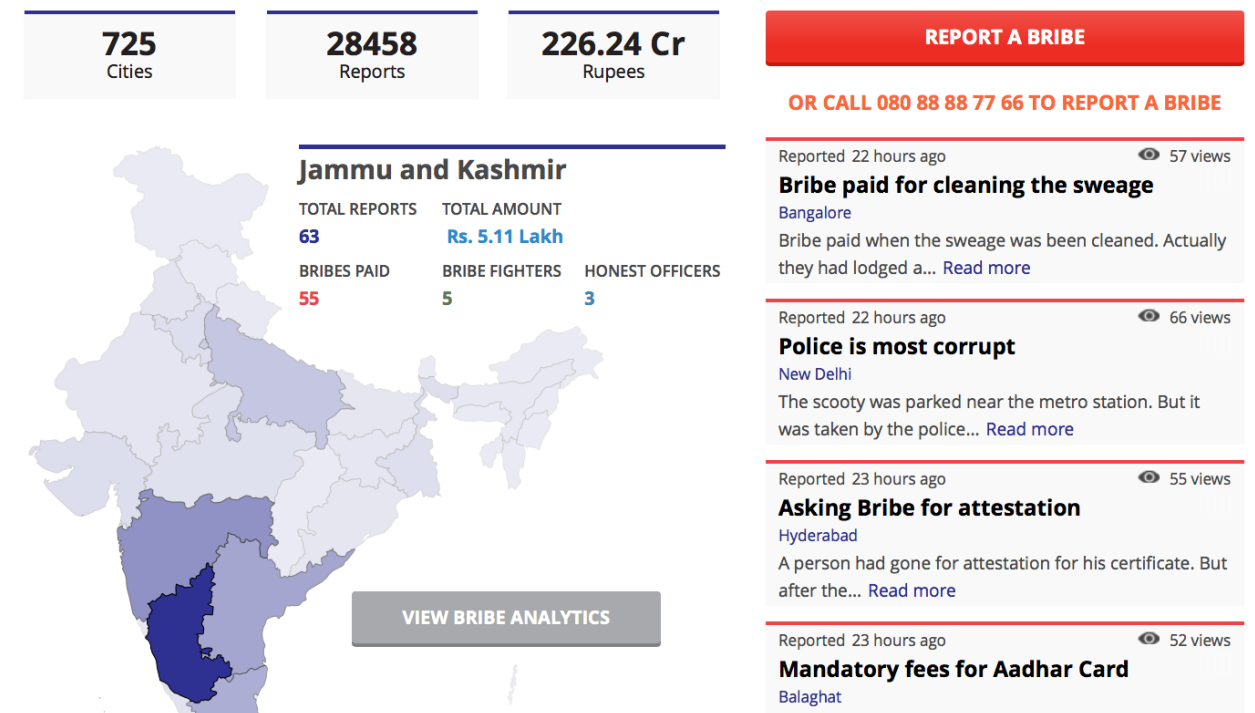
“Community data” projects

Monitor: DIY sensing, mobile sensing
Inform: collections of public knowledge
Analyse: tools to explore data
Connect: catalogues of needs & abilities
...

I Paid a Bribe.com: reporting corruption in India and other countries



DataShine.org.uk: everyone can explore and visualise UK census data



Thank You.