

# Dashboard to monitor spatial data quality compliance of OpenStreetMap for humanitarian action

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# Introduction

- Quality assessment of OpenStreetMap is an endless research
- Extrinsic and intrinsic
- Context & data driven

# Standardize it or visualize it ?

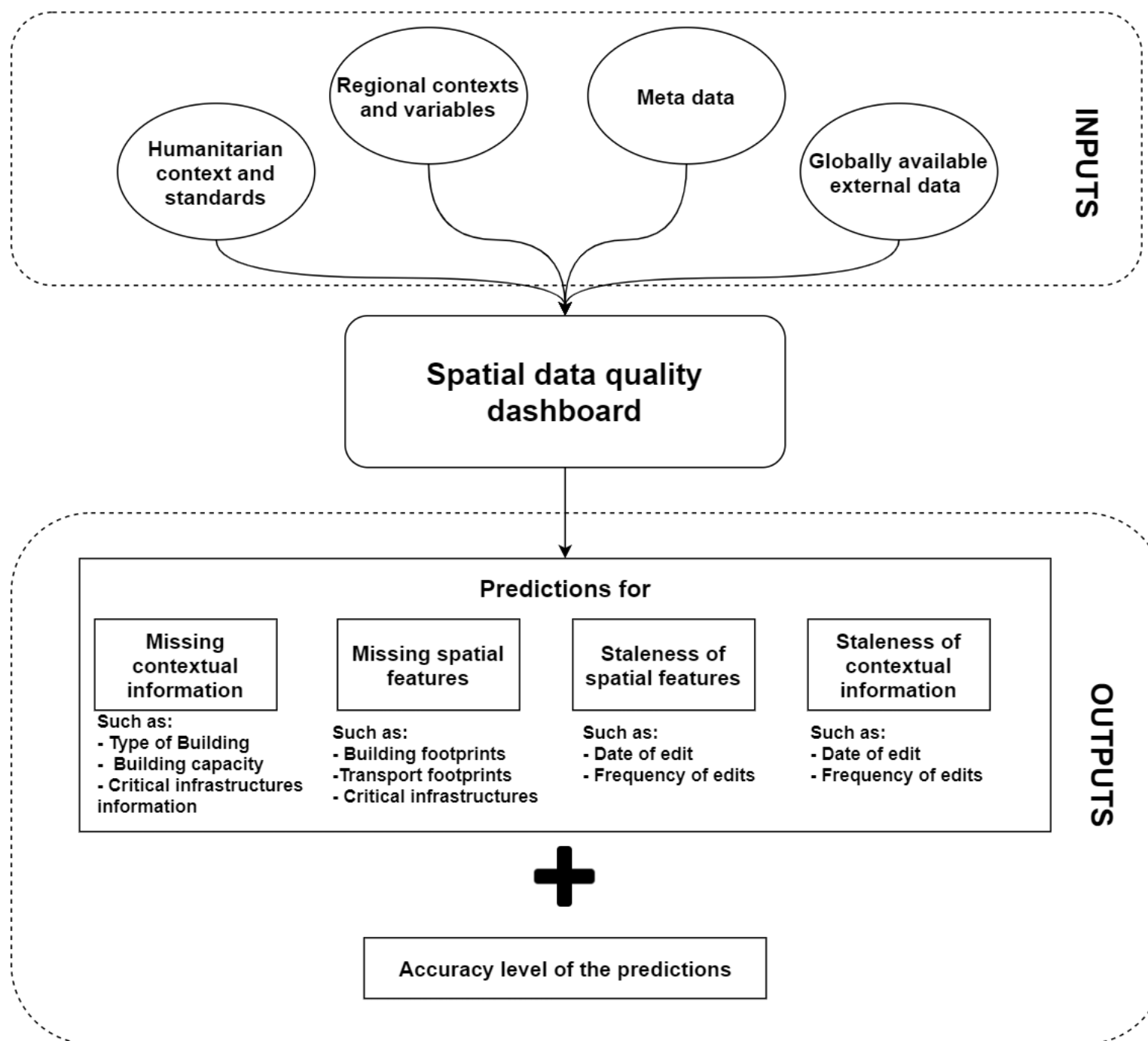
- Standardization of quality of OSM is challenging
- Visualization of quality of OSM is also not easy
- Contextualize it according to disaster response/preparedness.

## DASHBOARD

Visualize OSM quality

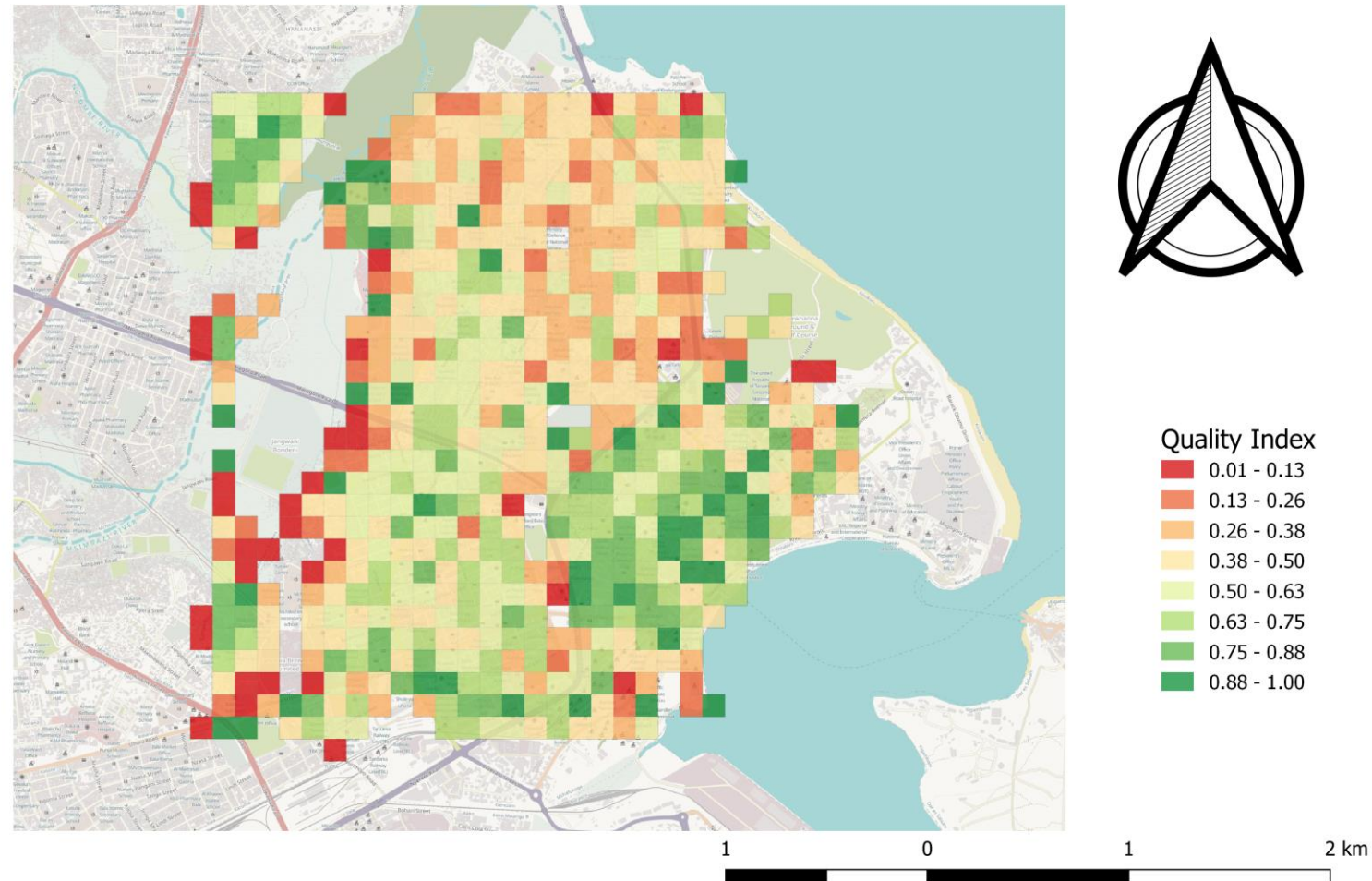
Prioritize mapping areas in  
OSM

Monitor OSM quality



# Example output

Quality index with respect to tag completeness: building:material



# This research will include

1. Taxonomy of spatial and non-spatial information
2. Temporal requirements of spatial and non-spatial information
3. Internal and external quality measures.
4. Development methods to monitor and visualize the quality of OpenStreetMap
5. Spatial invariance
6. Geo-spatial dashboard style, layout pattern and design features for user-centric design-support tool.
7. Methods to reduce the semantic noise.

# Thank you !!

## Let's collaborate



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