







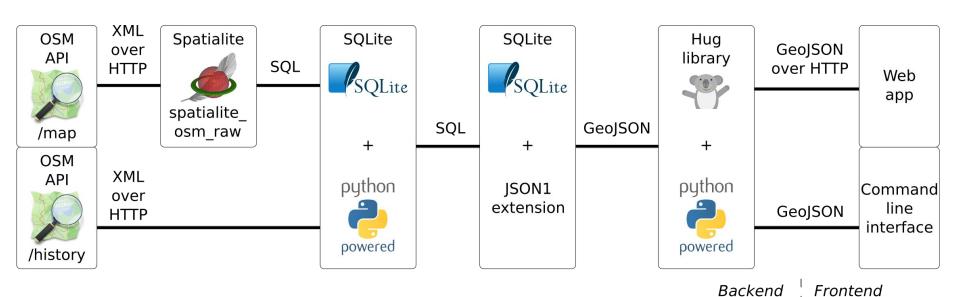
#### Is OSM up-to-date? – Intro

- A software to analyse history of OSM nodes and ways & generate history-based, quality-oriented visualizations
- Target users: OSM users, contributors, communities & researchers
  - available under GNU AGPLv3
  - source code & issue tracker: https://github.com/frafra/is-osm-uptodate
  - wiki page: https://wiki.openstreetmap.org/wiki/Is\_OSM\_up-to-date
  - Web frontend: https://is-osm-uptodate.frafra.eu
  - Docker container: https://hub.docker.com/r/frafra/is-osm-uptodate





# Is OSM up-to-date? - Architecture

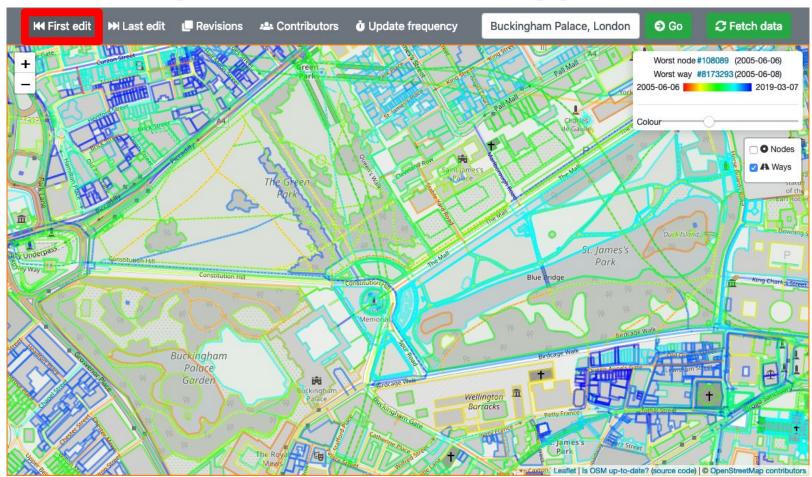


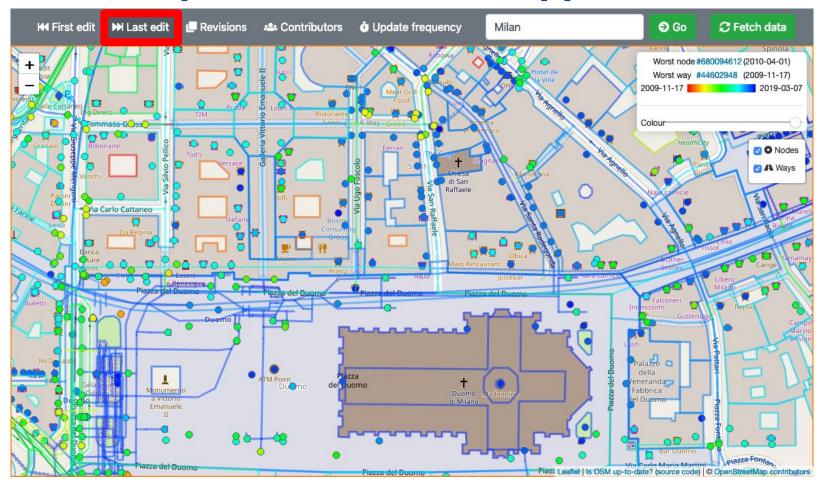


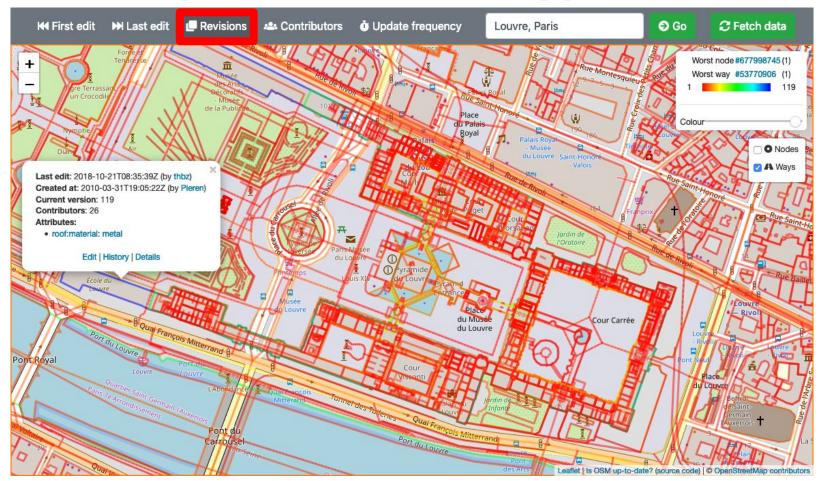
#### Is OSM up-to-date? – Quality parameters

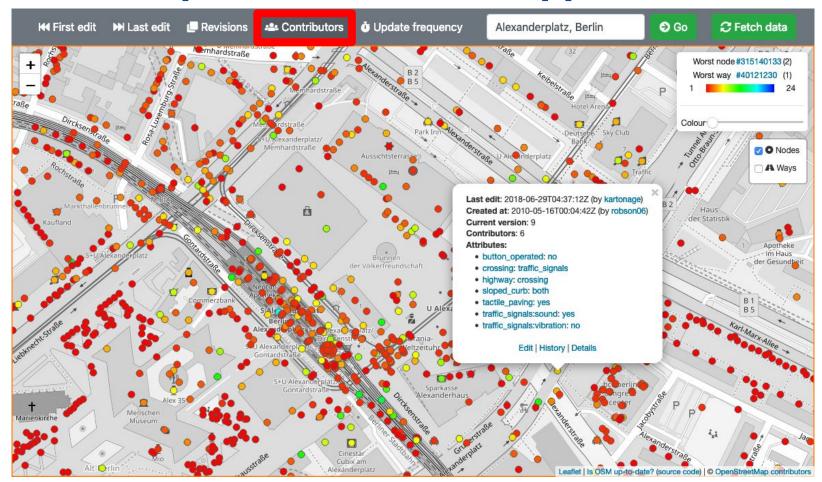
- History-based parameters computed for each node/way
  - date of creation (first edit)
  - date of last edit
  - number of versions (revisions)
  - number of different contributors who edited the node/way
  - frequency of update
- with some hypotheses
  - only nodes/ways with at least one tag are considered
  - a new version of each node/way is counted for each new changeset

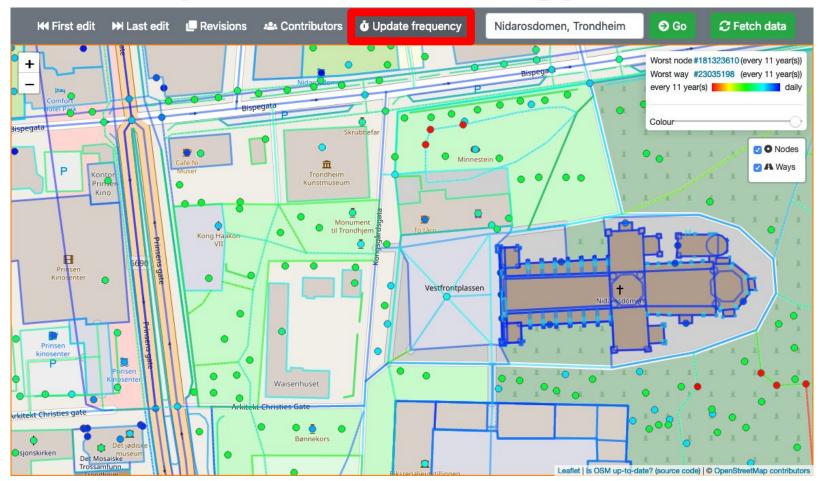












# **Is OSM up-to-date? – Command line interface**

Suitable for offline, quantitative analyses (e.g. in GIS software)

```
usage:
                is-osm-uptodate.py [-h] [-r REFERER]
                minx miny maxx maxy
                positional arguments:
                 minx A float number
                 miny A float number
                 maxx A float number
                 maxy A float number
                optional arguments:
                 -h, --help show this help message and exit
                 -r REFERER, --referer REFERER
                $ is-osm-uptodate.py 9.189 45.464 9.192
example:
                 45.465 > result.geojson
```



#### Reference:

- Minghini M. & Frassinelli F. (2019) OpenStreetMap history for intrinsic quality assessment: Is OSM up-to-date? *Open Geospatial Data, Software* and Standards 4(9). doi:10.1186/s40965-019-0067-x
- Want to contribute? Contact us!
  - https://github.com/frafra/is-osm-uptodate/issues

# Thank you!

marco.minghini@ec.europa.eu



https://wiki.openstreetmap.org/wiki/User:Mingo23



#### **Stay in touch**



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