

Free geocoding in the cloud

GeoCamp Zaragoza 2025

Who am I

- Luigi Pirelli
 - Since 2006 in QGIS/GRASS
 - QGIS Core developer and Plugin developer/trainer
 - Founder of GFOSS.it - Italian OSGEO Local Chapter
 - Founder of QGIS.es- Spanish QGIS user group
 - Now collaborating with
 - *GeoBeyond* www.geobeyond.it
 - *SaVE* - Electric Vehicle hacker ;)
 - <https://www.linkedin.com/in/luigipirelli/>

GeoBeyond since 2011

- Services
 - Spatial Data Infrastructure
 - Access management configuration
- Client
 - [Rome Municipality](#)
 - [Politecnico di Milano](#)
 - [ARPA Veneto](#)
 - [Almaviva](#)
 - [NRCAN](#) (Natural Resource Canada)
 - and more...
- Enterprise support in:
 - GeoNode
 - pygeoapi (steering committee)



Geobeyond
Making Geospatial Happen



RETE ITALIANA
OPEN SOURCE



pygeoapi



GeoNode



GeoServer



KEYCLOAK

Goal

Official Italian portal DB update

- Geocode addresses <-----
- Fix addresses via field review
- Merge new or update addresses
- Update central DB

Need geocoding

- QGIS plugin to geocode addresses
- integrate different geocoder via dynamic factories
- Free and Libre geocoder from OvertureMaps

OvertureMaps ?

- [OvertureMaps](#) as source of geocoding
- feed from different sources among them OSM
- No API at all

No API then locally use WhereAbouts

- ○ DuckDB based.... DUCKDB????
- In process not only spatial DB
- DuckDB then could be natively cloud
- BUT no cloud actually.... or not?

no more local now cloud

- How to in <https://github.com/ajl2718/whereabouts/issues/13>
- Extract data from OvertureMap
- Populate WhereAbout DuckDB
- Put DB somewhere (my PR <https://github.com/ajl2718/whereabouts/pull/16>)
- Geocode!

Questions?

Contacts

Luigi Pirelli

luigi.pirelli@geobeyond.it

<https://www.linkedin.com/in/luigipirelli/>

Geobeyond

info@geobeyond.it

www.geobeyond.it