



**OpenStreetMap**  
France

# State of OSM-FR Tools

Christian Quest - @cq94  
[cquest@openstreetmap.fr](mailto:cquest@openstreetmap.fr)

# Tool families



- Contributors oriented tools
- Data/Map users oriented tools
- Communication tools

**bold underline URL** are covering more than  
France

# Contributors tools



- Quality assurance renderings
  - **layers.openstreetmap.fr**
    - admin. (and other) boundaries
  - Specialized renderings
    - Low resolution French road network (from IGN)
    - Low resolution Hydrography network
  - « QA » and « BANO » renderings
    - matching OSM data with other datasets to show missing data

# Contributors tools



DEMO !

<http://layers.openstreetmap.fr>

<http://tile.openstreetmap.fr>

# More QA tools



- [osm ose.openstreetmap.fr](#) → a perfect talk
- [analyzer.openstreetmap.fr](#) → a perfect location checker
- [taginfo.openstreetmap.fr](#) → taginfo on OSM
- [suivi.openstreetmap.fr](#) → checks municipal boundaries + rivers relations / linkage

# Data access tools



- **api.openstreetmap.fr** → overpass API + standard API compatibility layer (works as read cache and write proxy)
- `oapi-fr.openstreetmap.fr` → same but limited to FR data only
- **download.openstreetmap.fr** → extracts (Europe, Africa, etc) + minute diff on extracts
- `export.openstreetmap.fr` → FR admin. boundaries shapefile exports (level 4, 6, 8) + rivers
- `garmin.openstreetmap.fr` → garmin formatted maps

# Misc. tools



- [wms.openstreetmap.fr](http://wms.openstreetmap.fr) → TMS server for several opendata aerial imageries, or crisis mapping (hosting for HOT)
- [nomino.openstreetmap.fr](http://nomino.openstreetmap.fr) → web GUI to help adding translated names based on wikipedia data
- **[rawedit.openstreetmap.fr](http://rawedit.openstreetmap.fr)** → plain XML/text editor
- **[polygons.openstreetmap.fr](http://polygons.openstreetmap.fr)** → generates relation geometries in WKT, GeoJSON, poly or image format
- [cadastre.openstreetmap.fr](http://cadastre.openstreetmap.fr) → extract vector data (buildings and addresses) from [cadastre.gouv.fr](http://cadastre.gouv.fr) web site

# Map users tools



- [tile.openstreetmap.fr](https://tile.openstreetmap.fr)

- OSM «FR» rendering → modified version  
cartocss stylesheet
- HOT rendering → designed for humani

- [umap.openstreetmap.fr](https://umap.openstreetmap.fr) → a preferred !



umap



# uMap : create / share



- Select a basemap
  - Currently 13 basemap layers
- Add your content
  - points, lines, polygons + text
- Share
  - embed + short link



# Examples / demo

# Heavy use by medias



- TV channels
  - BFM TV (business channel)
- Radios
  - France Info (news channel), France Bleu (local radios), Europe1, etc
- Newspapers
  - National newspapers : Libération, Le Monde, Le Figaro
  - Local ones too...

# Under the uMap hood...



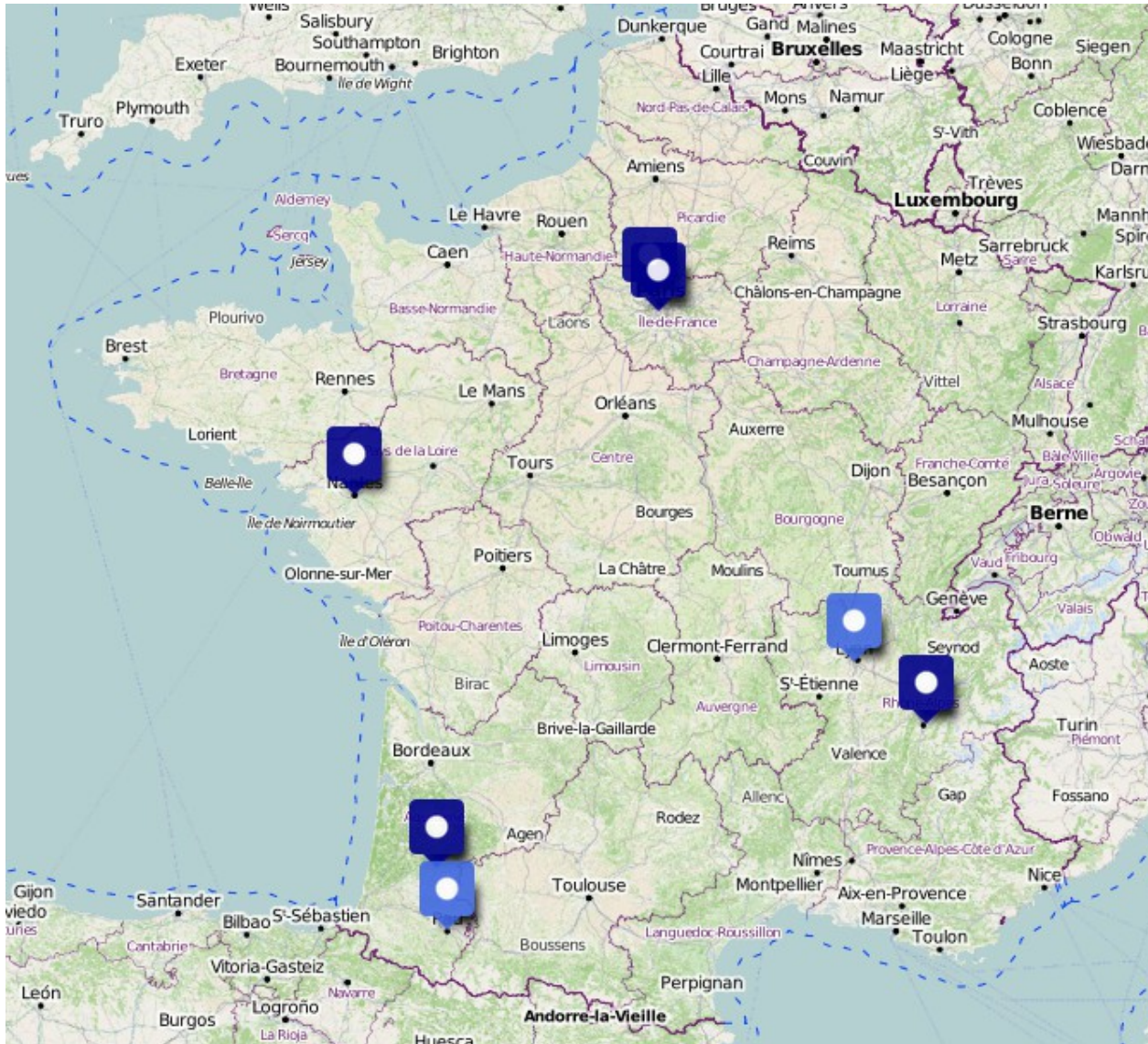
- 10000+ maps created/hosted
- Leaflet based (+ plugins)
- Python/django based code
- Source code on <https://bitbucket.org/yohanboniface>

# Infrastructure / Team



- 12 servers (all donated) « FR:Servers » on osm wiki
- 7 hosting locations (all donated)
- VM easily setup for new projects (openvz)
- Shared databases (different schemas)
- Sysadmin team of half-dozen guys
- A dozen of developers

# Infrastructure / Team



# Last one...



- **live.openstreetmap.fr** → live changesets made visible
- New projet : BANO open addresses database

Questions ?

@cq94 (Christian Quest)

cquest@openstreetmap.fr