GeoMapfish

Un Web SIG Open Source innovant

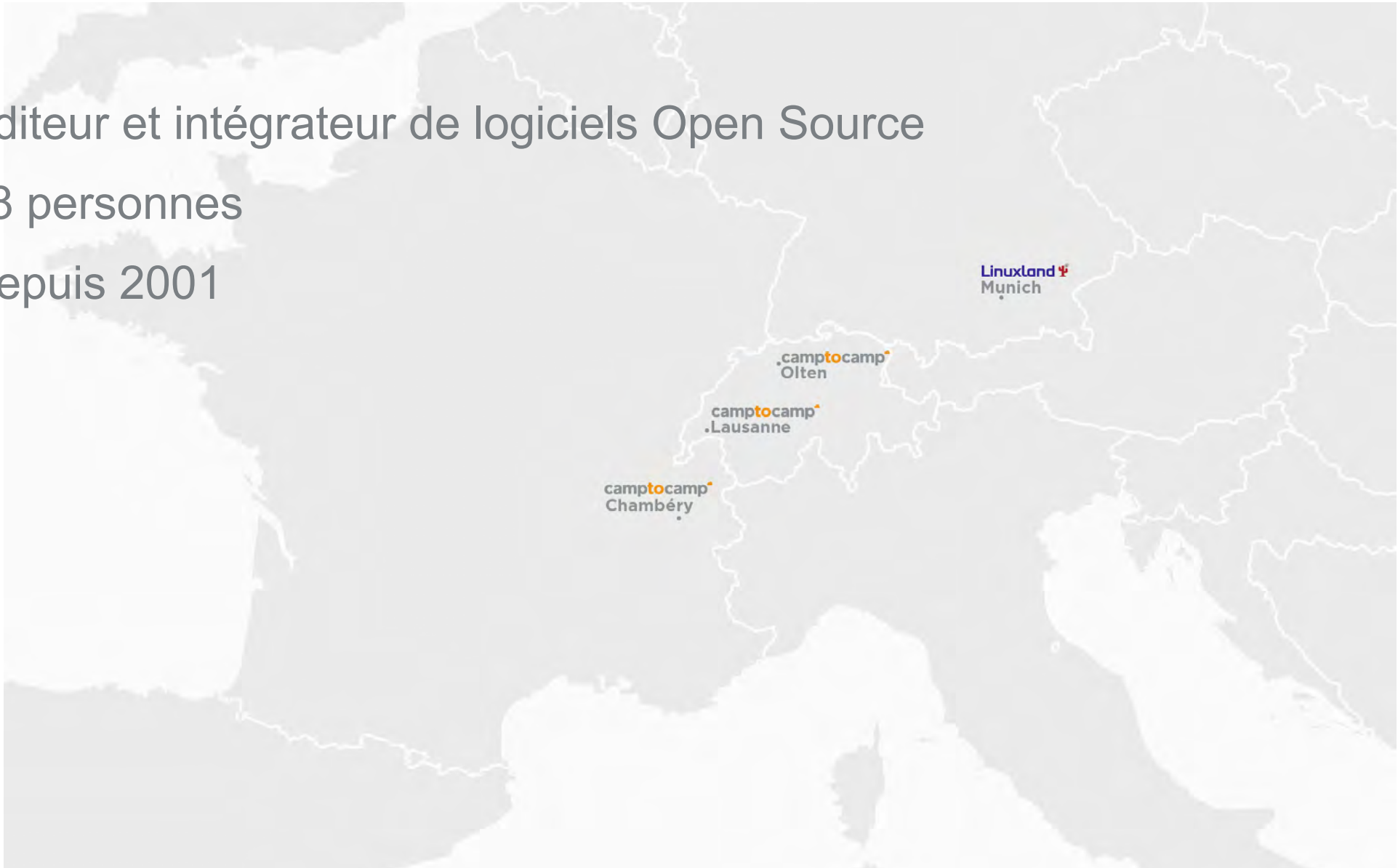
camptocamp

INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS

Rencontres Decryptagéo ~ 24-25 Janvier 2017 ~ ENSG

Camptocamp

- Éditeur et intégrateur de logiciels Open Source
- 68 personnes
- Depuis 2001



Camptocamp - Départments

GEOSPATIAL	BUSINESS	INFRASTRUCTURE
Webmapping Desktop & Web Infrastructure de Données spatiales (IDS) Globe Virtuel 3D	Enterprise Resource Planning (ERP) Business Intelligence Reporting	Virtualisation, Cloud Computing Automatisation administration système Architecture Complexe

CONSEILS, ETUDES, R&D

MISE EN OEUVRE

SUPPORT LOGICIEL LIBRE

FORMATION

Camptocamp

- Éditeur et intégrateur de logiciel Open Source depuis 2001
- 3 Département : Géospatial (SIG), Business (ERP), Infrastructure
- >60 collaborateurs dans 3 pays: France, Suisse et Allemagne
- Offre de services: conseils, études, R&D, mise en œuvre, formation et support logiciel libre
- Implications fortes dans les communautés Open Source : OpenLayers, geOrchestra, Geonetwork, Geoserver, Geotools, GeoMapFish, QGIS, Mapserver, Postgresl/PostGIS, SDI ...
- Co-fondateur de l'OSGEO, membre de l'OGC et de APRIL.
- Partenariats stratégiques:

odoo Gold Partner

redhat ADVANCED PARTNER

amazon web services Partner Network CONSULTING PARTNER

puppet labs Authorized Training Partner

Camptocamp – Portfolio géospatial

- Grands comptes publiques: solutions sur mesure
  - Webmapping
  - Catalogue
  - Contributions open source
- Regions européennes: IDG INSPIRE geOrchestra
- Métropole, Agglo, Villes, Services industriels: geoportail métier MapFish, QGIS
- Clients privés: intégration du géospatial dans le cœur de métier
  - Couche métier SIG open source
  - ERP géographique
  - API et serveur applicatif cartographique
  - Traitement/analyse/optimisation de réseaux

Camptocamp – Quelques références

GFDRR
Global Facility for Disaster Reduction and Recovery

METROPOLE Rennes
vivre en intelligence

APRONA
l'observatoire de la nappe d'Alsace

AÉROPORTS de LYON

CIGAL

Géosciences pour une Terre durable
brgm

PIGMA
Plateforme d'information Géographique Mutualisée en Aquitaine

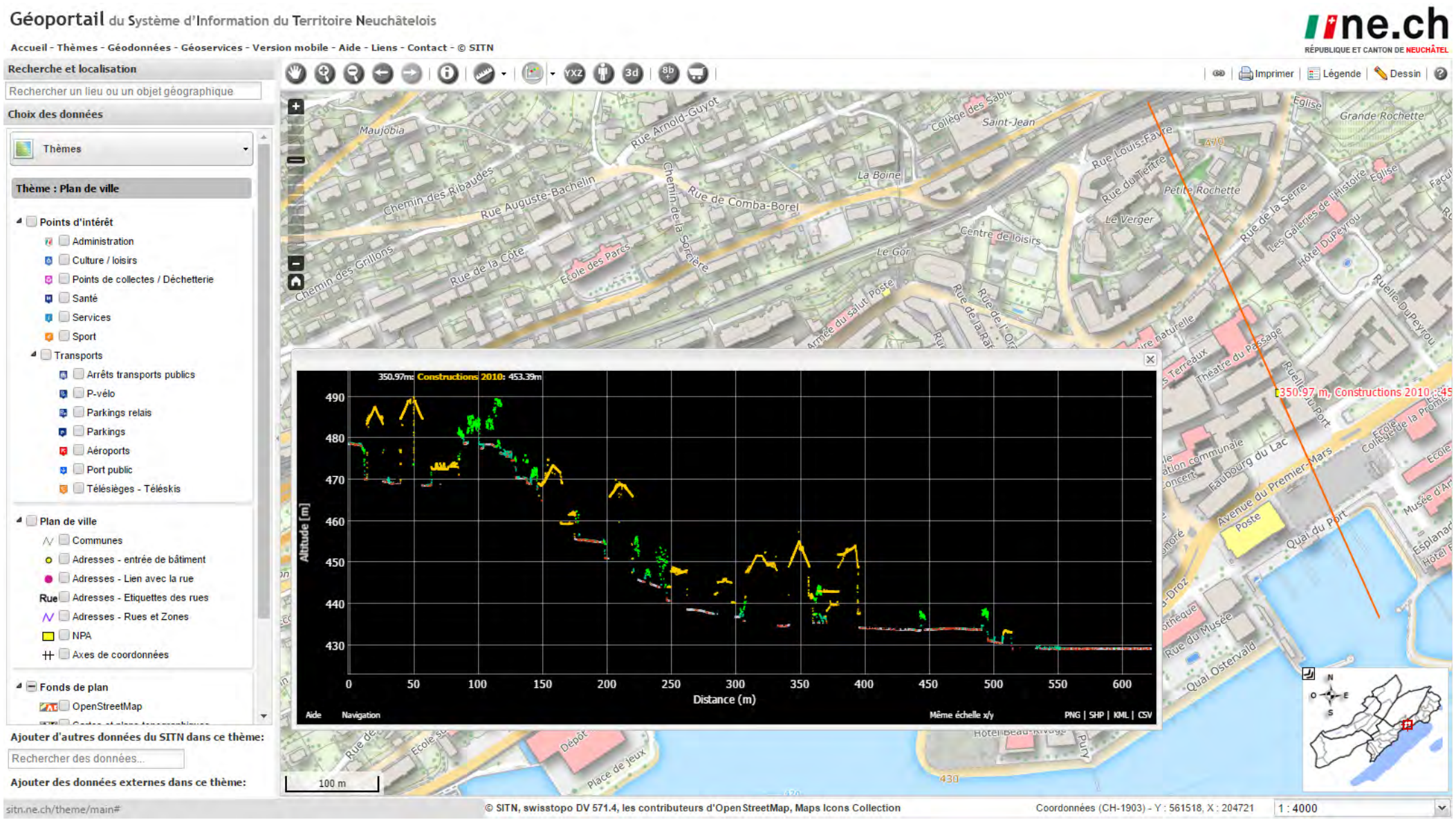
GéoPicardie

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

Ifremer

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

GeoMapFish 1.6



Geomapfish : fonctionnalités

User interface
General organization - Buttons - Tools

GeoMapFish

Administration tool
Layer configuration
Group configuration
Theme configuration
Roles configuration

Authentification
LDAP, NTLM & other interaction
Roles

Editing Application
Simple editing in DB
Simple configuration
Complex editing (snapping)

Web Viewer

Search Tools
Full text search

Navigation tools
Zooms & Pans
Navigation bar
Overview map
Permalink

Query tools
Point interrogation
Rectangle interrogation
Table or popup results
Live GRID interrogation

Data
Internal WMS, WMTS & TMS
WMS-T
External data (WMS-KML)
Organisation in themes
Layer adding in themes
Transparency & metadata
Dynamic legend

Measure Tools
Points
Length
Surface
Azimuth

Print
PDF print
PNG print

Drawing Tools
Points
Lines
Surfaces
Rectangles
Circles
Labels

Mobile Viewer

Navigation : zoom & pinch
Geolocation
Full text search
Query map (simple touch)
Theme organisation
Authentification
STview link
Permalink
Short permalink
Measure Tool

GIS functionality
SQL queries
SQL filters
Time slider vector or WMS

Routing
OSRM interaction (Public)

Custom plugins
Google SV & earth
Georefenrencing
Crime-Mapping
Verschnitt-Tool
PointcloudProfile
WMS filtering
Etc.

Graph Tools
Dygraph interaction see
LidarDTMProfile
LidarPointCloudProfile
Multigraph meteo data

API & Web services
Permalink & url shortener
Simple API
Complex API

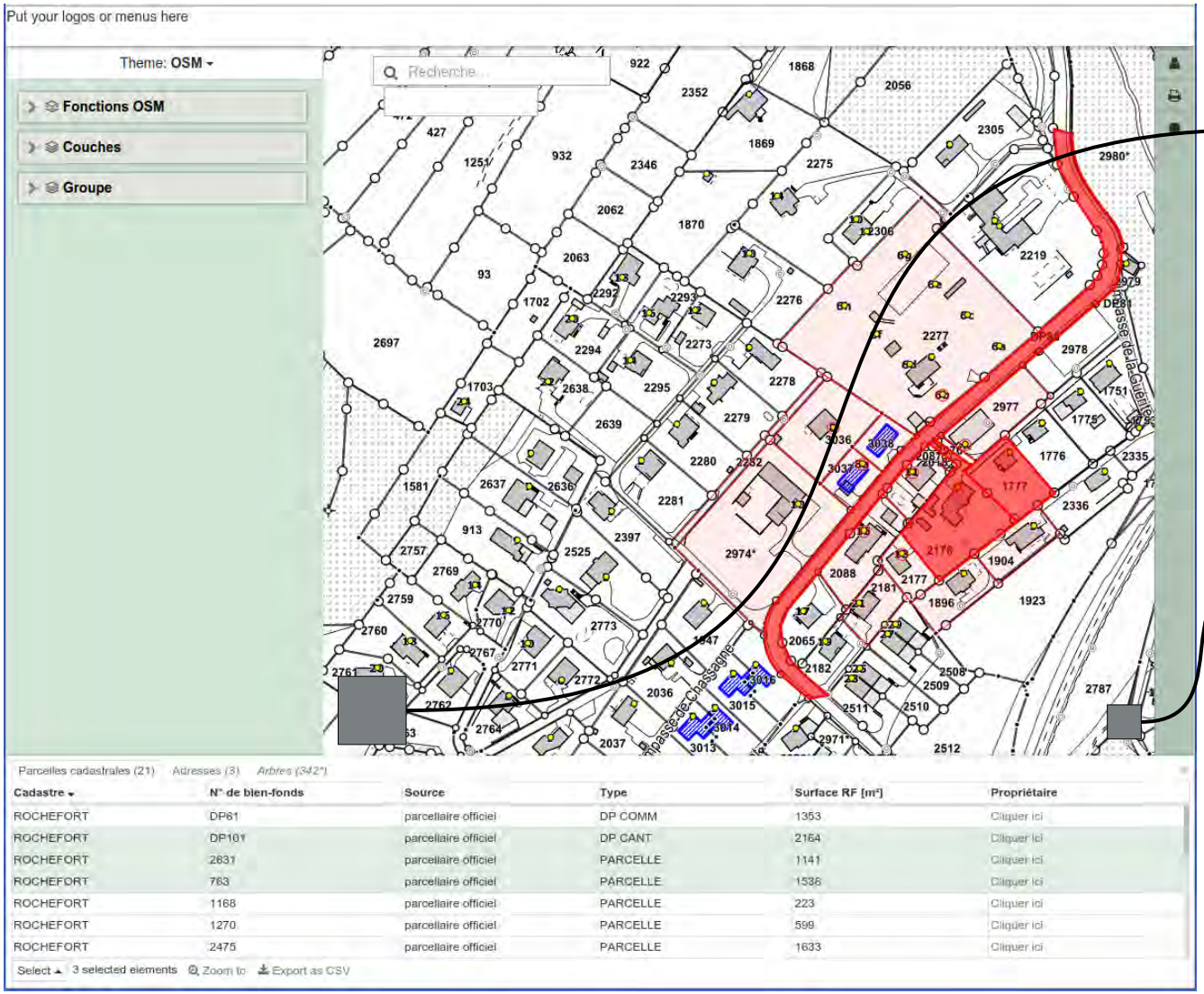
GeoMapfish 2 : une évolution majeure

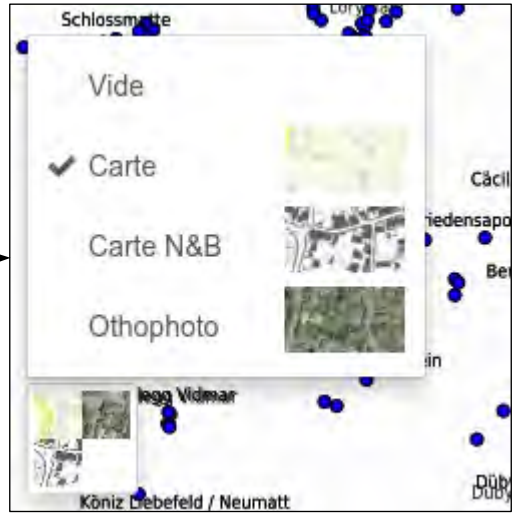
- Ergonomie repensée
- Version mobile et responsive
- Mapserver / Geoserver / QGIS Server

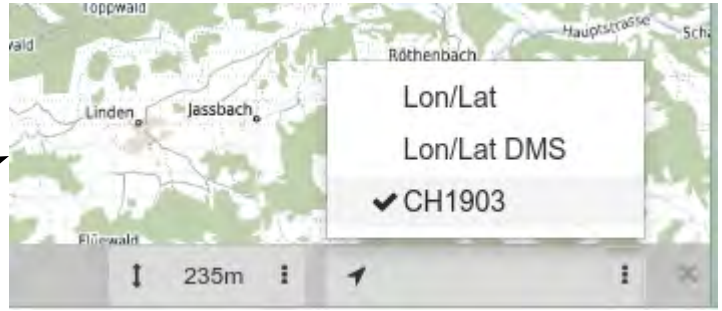
Architecture logiciel V2

- Côté client
  - Openlayers 3
  - AngularJS
  - Ngeo: Librairie combinant OpenLayers 3 and AngularJS
  - Bootstrap
- Côté serveur == mise à jour V1
  - MapFish Protocol and OGC Protocols
  - Pyramid (Pylons Framework)
  - Closure Compiler (advanced mode)
- Intégration continue massive (CI – Travis)

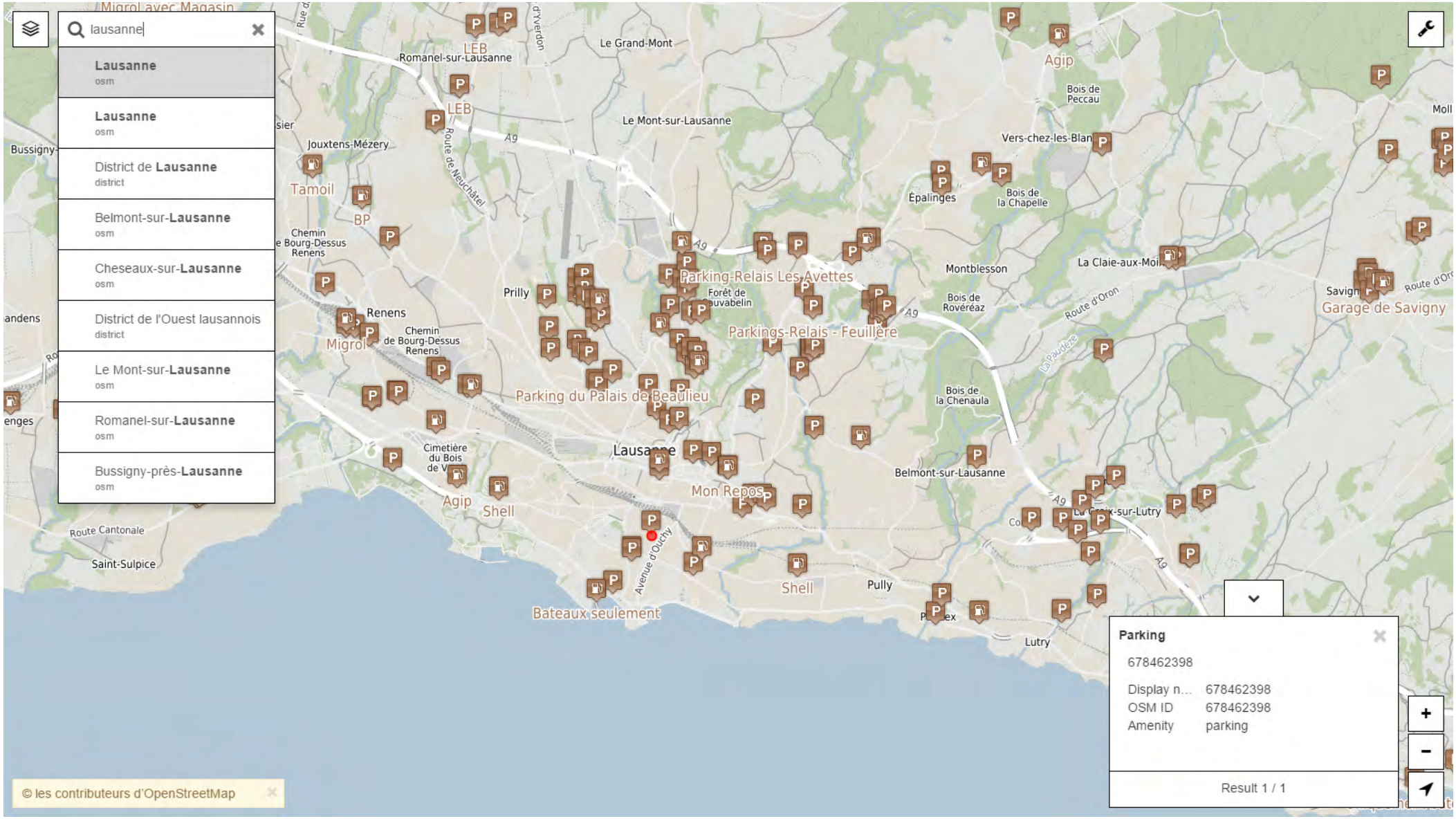
Nouvelle disposition



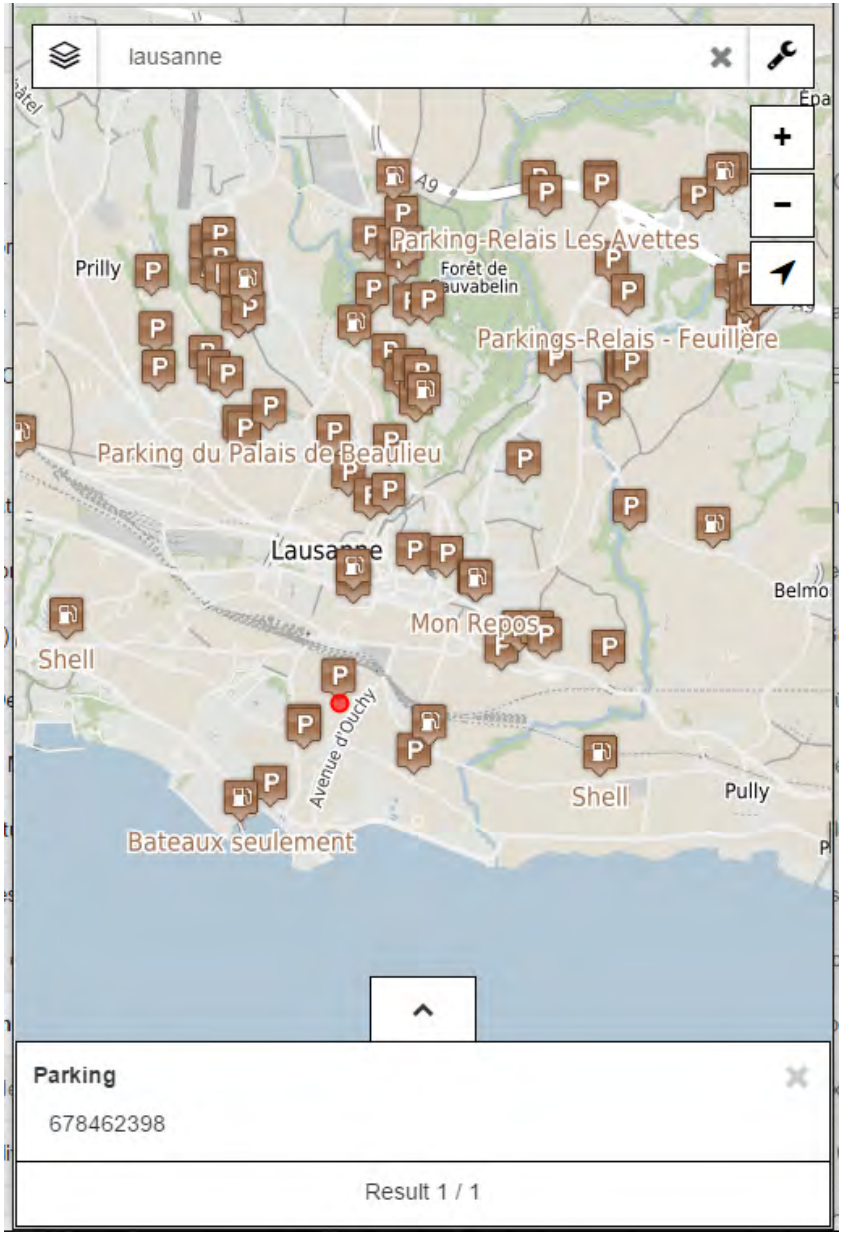




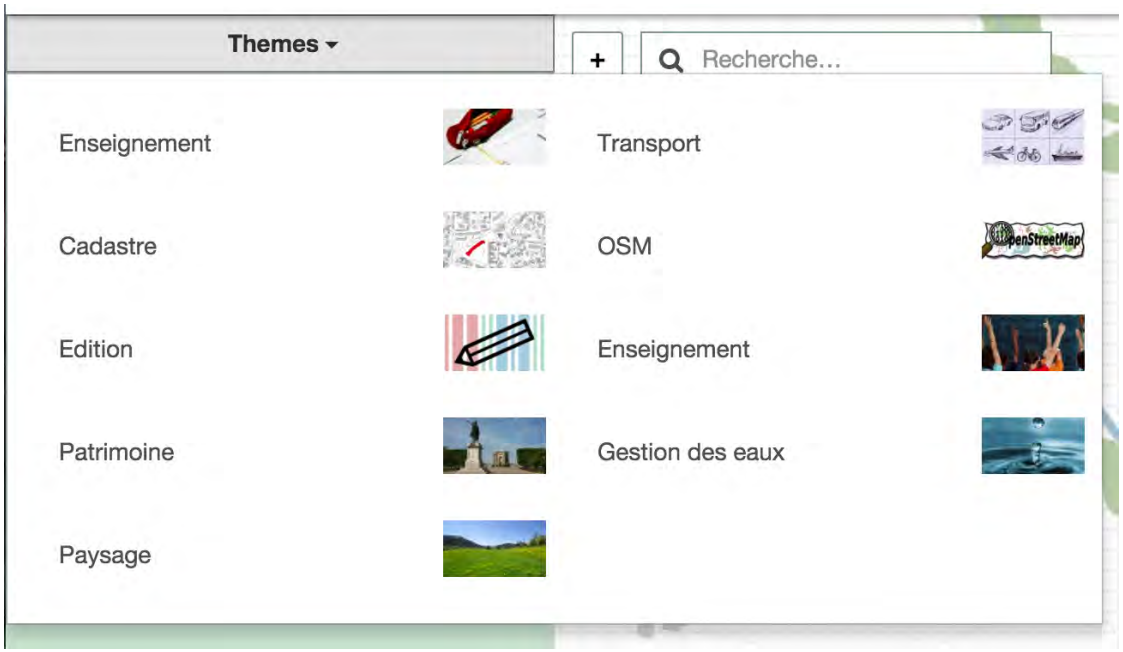
Responsive – tablet



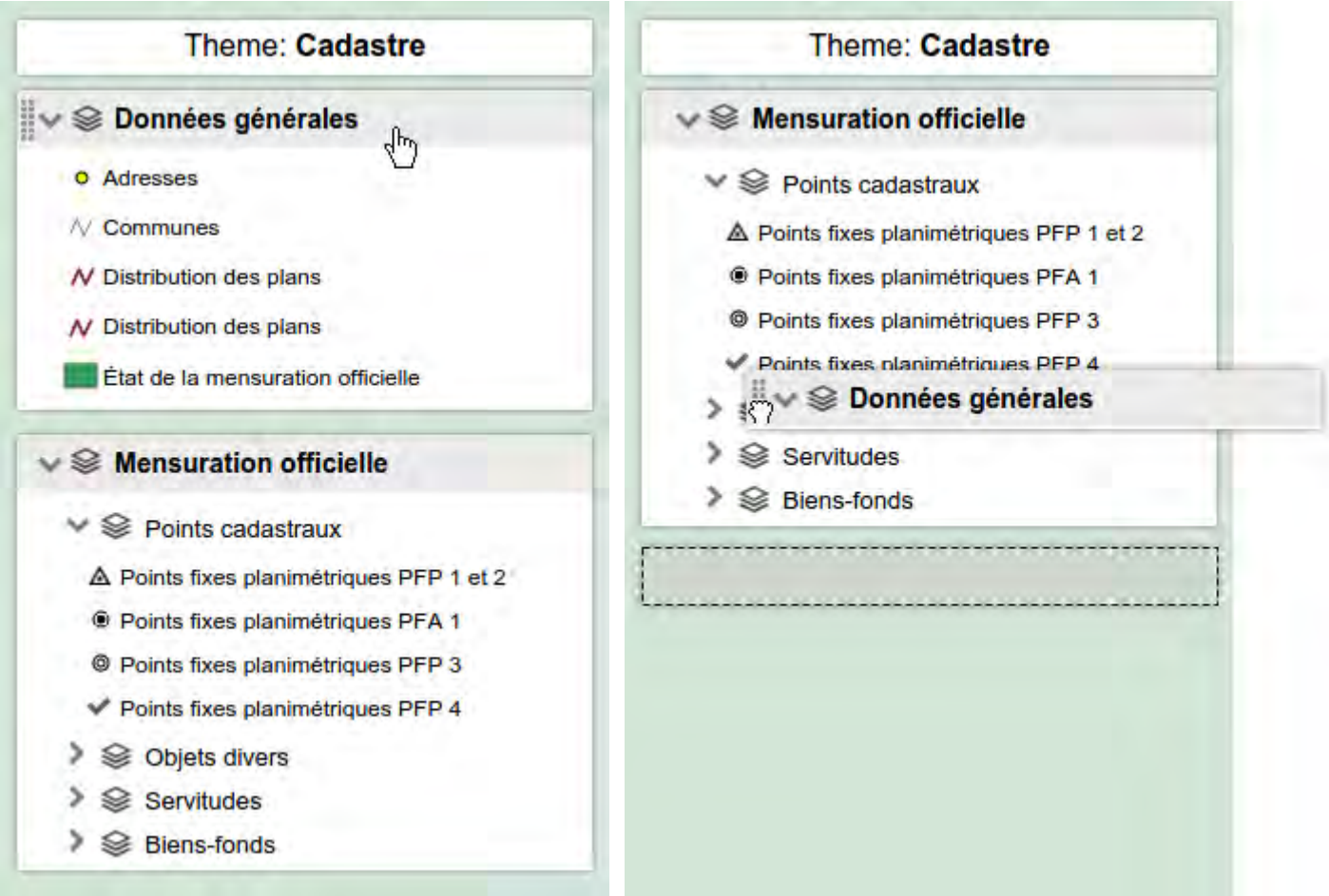
Responsive – smartphone



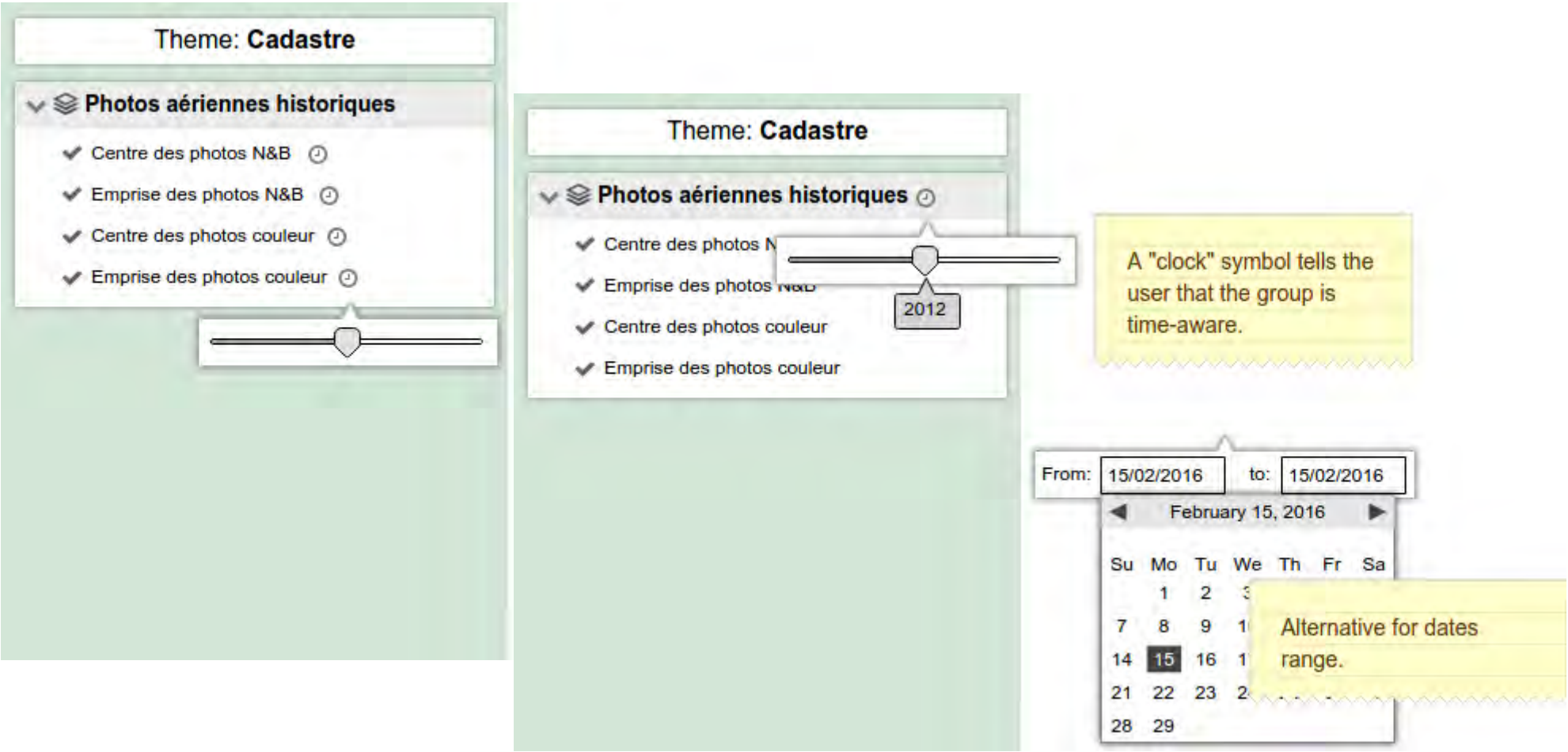
Choix du thème



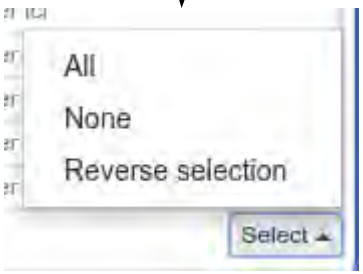
Arborescence des couches



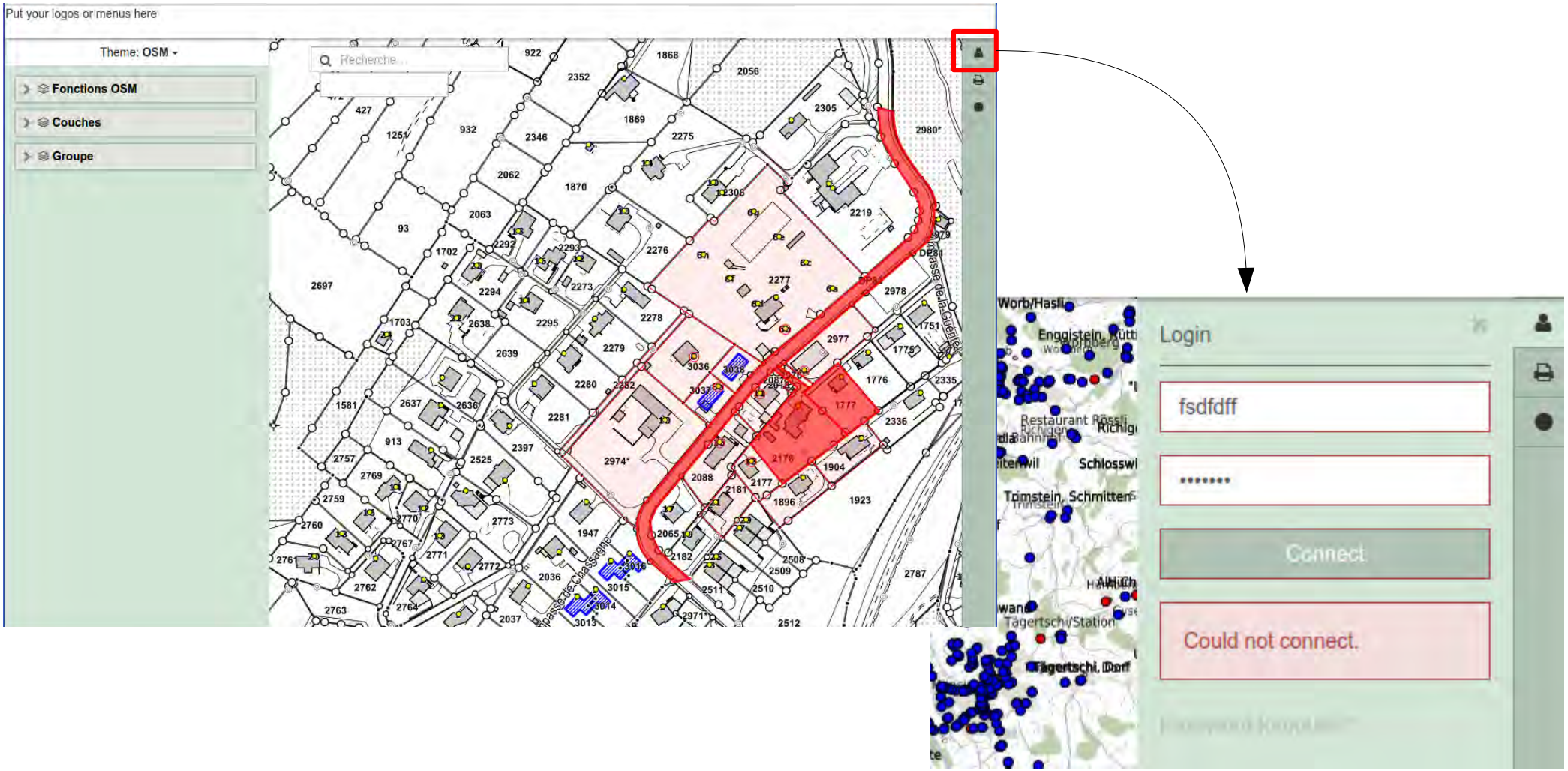
Données temporelles : slider



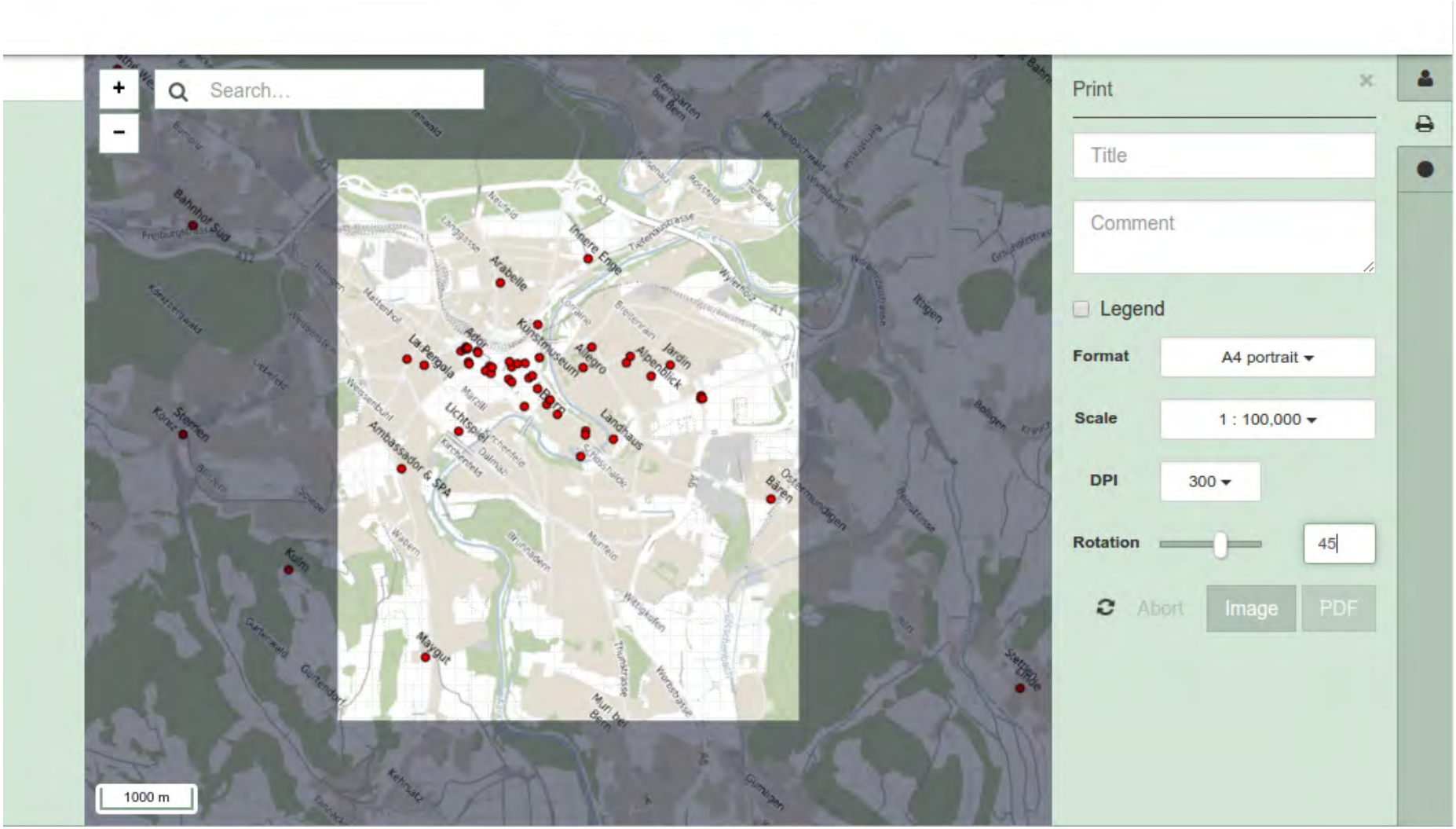
Résultat de la recherche



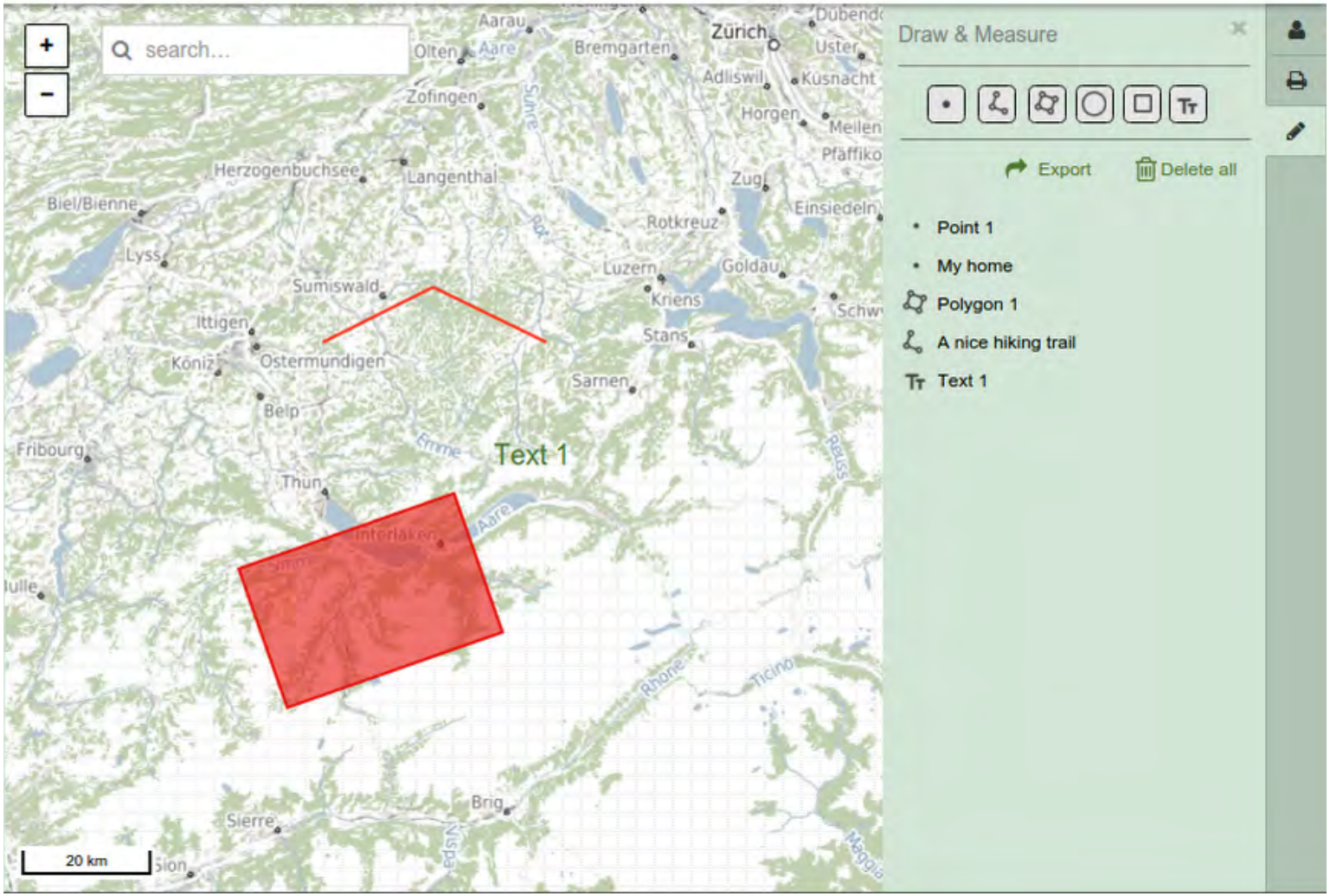
Authentification



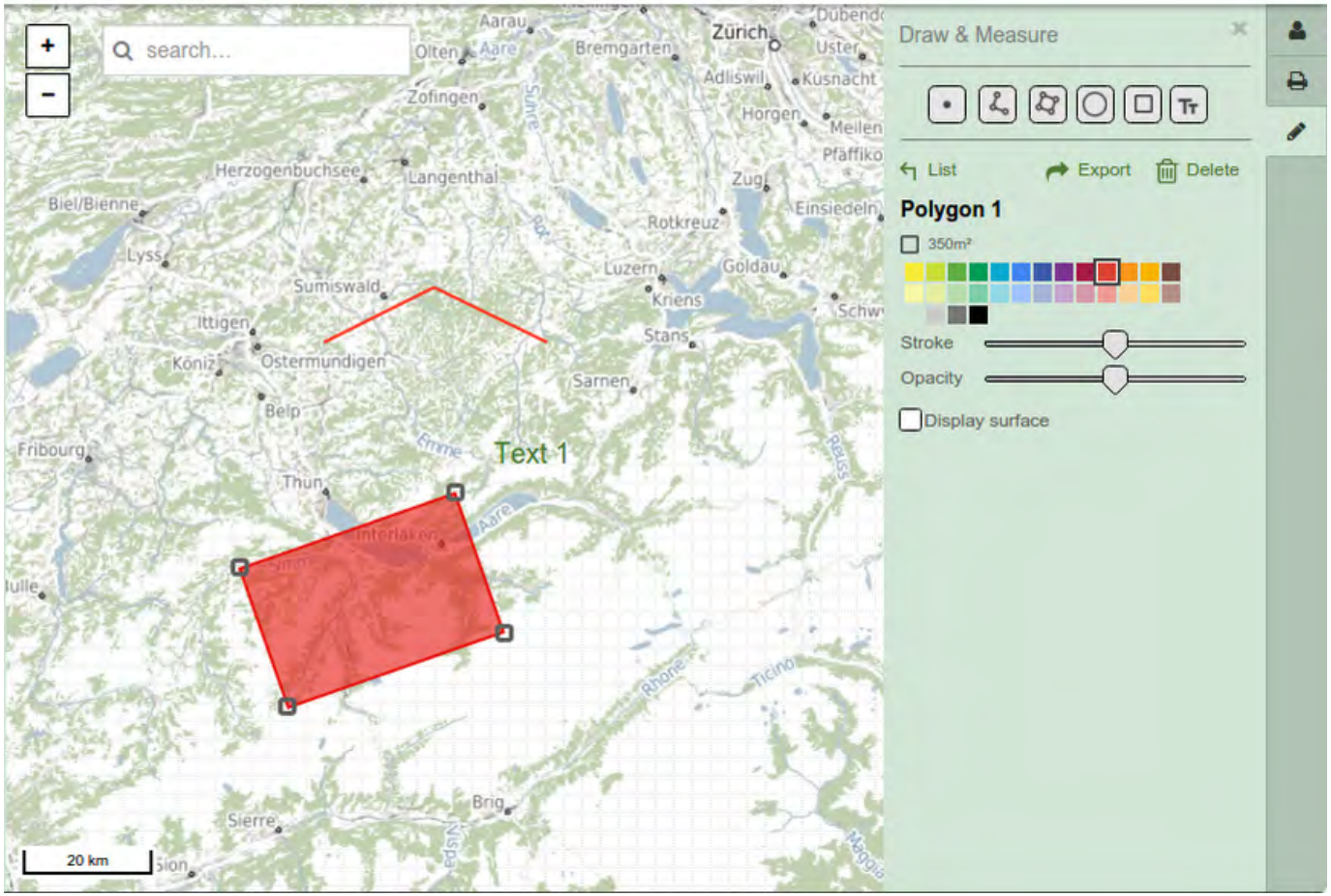
Impression


Search...
Print
Title
Comment
Legend
Format
A4 portrait
Scale
1 : 100,000
DPI
300
Rotation
45
Abort
Image
PDF
1000 m

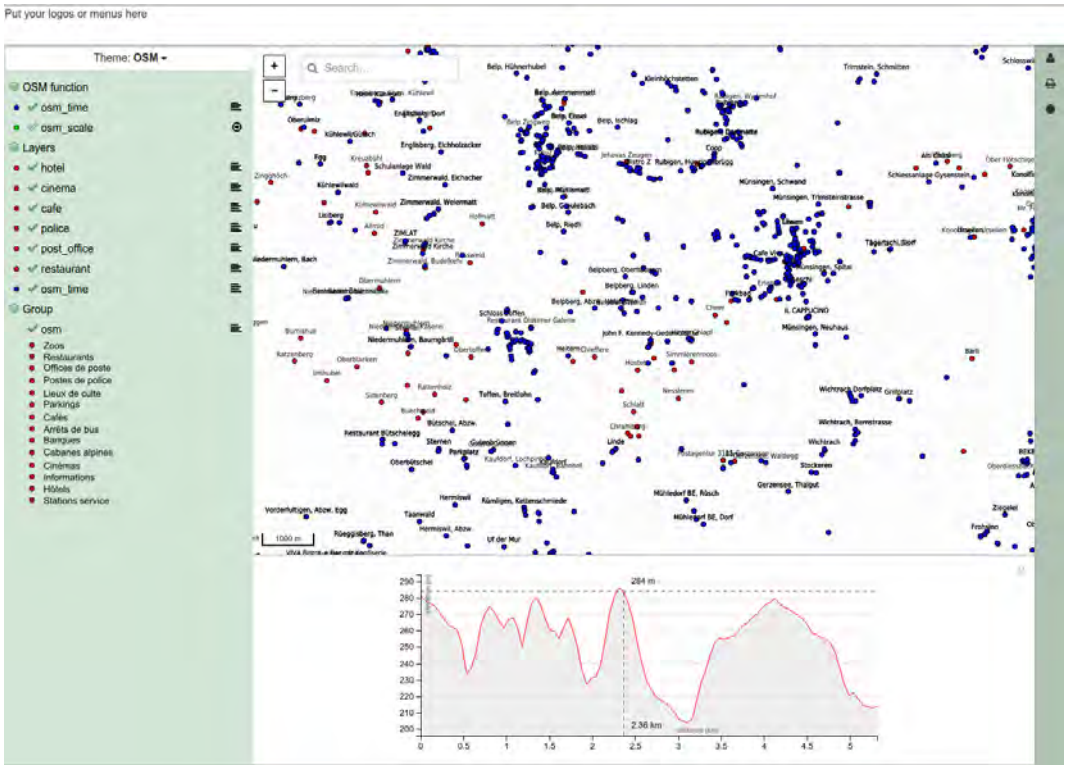
Dessin et annotation

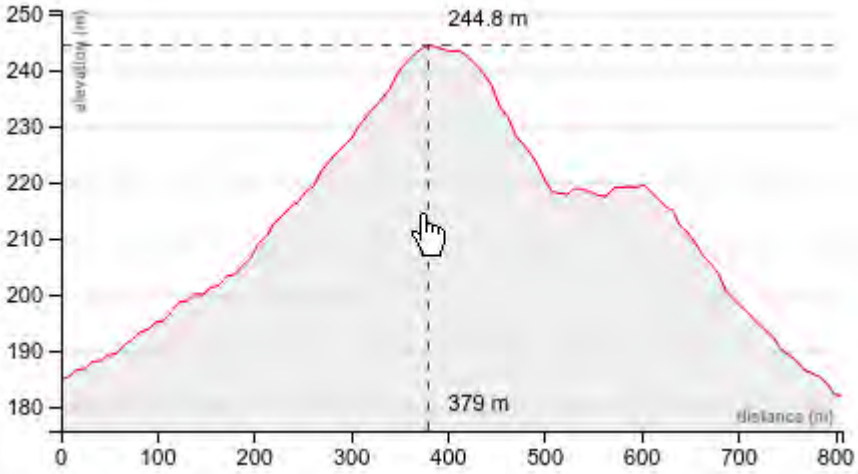


Outils de mesure



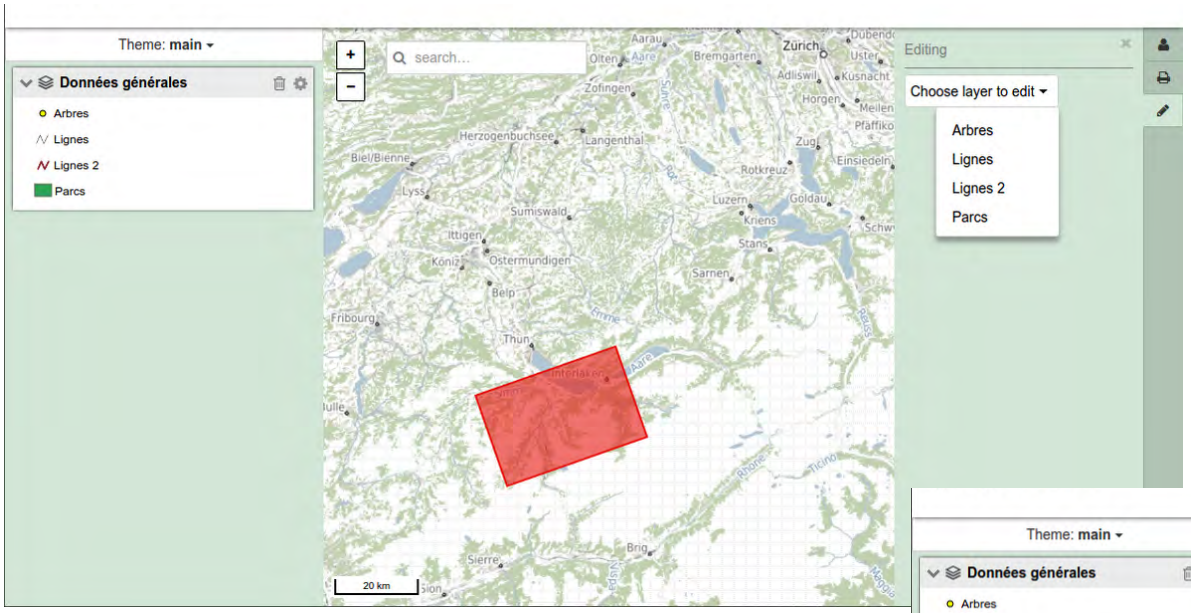
Profiles

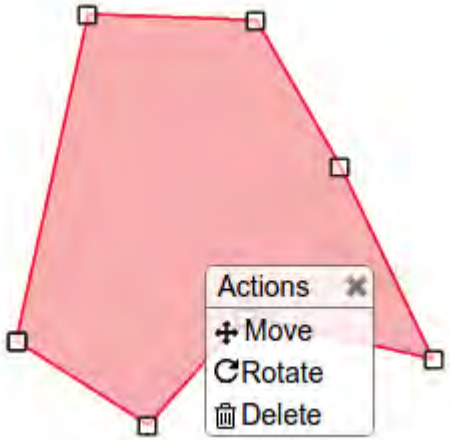

Put your logos or menus here
Theme: OSM
OSM function
osm_time
osm_scale
Layers
hotel
cinema
cafe
police
post_office
restaurant
osm_time
Group
osm
Zoos
Restaurants
Offices de poste
Postes de police
Lieux de culte
Parkings
Cafés
Arrêts de bus
Banques
Cabanes alpines
Cinémas
Informations
Hôtels
Stations service
284 m
2.36 km

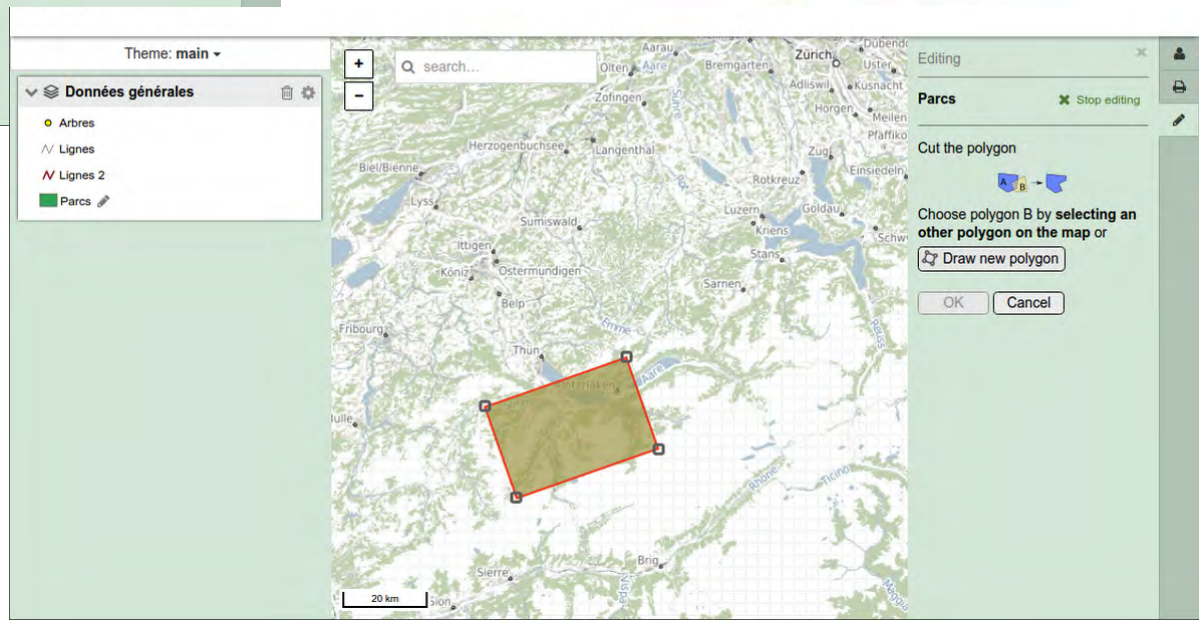

244.8 m
379 m
Elevation (m)
Distance (m)
250
240
230
220
210
200
190
180
0
100
200
300
400
500
600
700
800

Distance : 379 m
Elevation : 244.8 m

Édition


Theme: main
Données générales
Arbres
Lignes
Lignes 2
Parcs
search...
Editing
Choose layer to edit
Arbres
Lignes
Lignes 2
Parcs
20 km


Actions
Move
Rotate
Delete


Theme: main
Données générales
Arbres
Lignes
Lignes 2
Parcs
search...
Editing
Parcs
Stop editing
Cut the polygon
Choose polygon B by selecting an other polygon on the map or
Draw new polygon
OK
Cancel
20 km

Plus d'informations

- GeoMapfish : http://geomapfish.org/
  - Demo
  - Exemples en production
  - Code source (github)

tocamp

camptocamp

INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS