

# MapFish

Ein WebGIS 2.0 Framework



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# Übersicht

- Camptocamp
- MapFish ist...
- Architektur
- Funktionalitäten
- One Step Further: aktuelle Beispiele
- Ausblick



- Open Source solutions provider as editor and integrator since 2001
- Staff of 43
- Camptocamp helps you move forward with the latest Open Source technologies



Lausanne

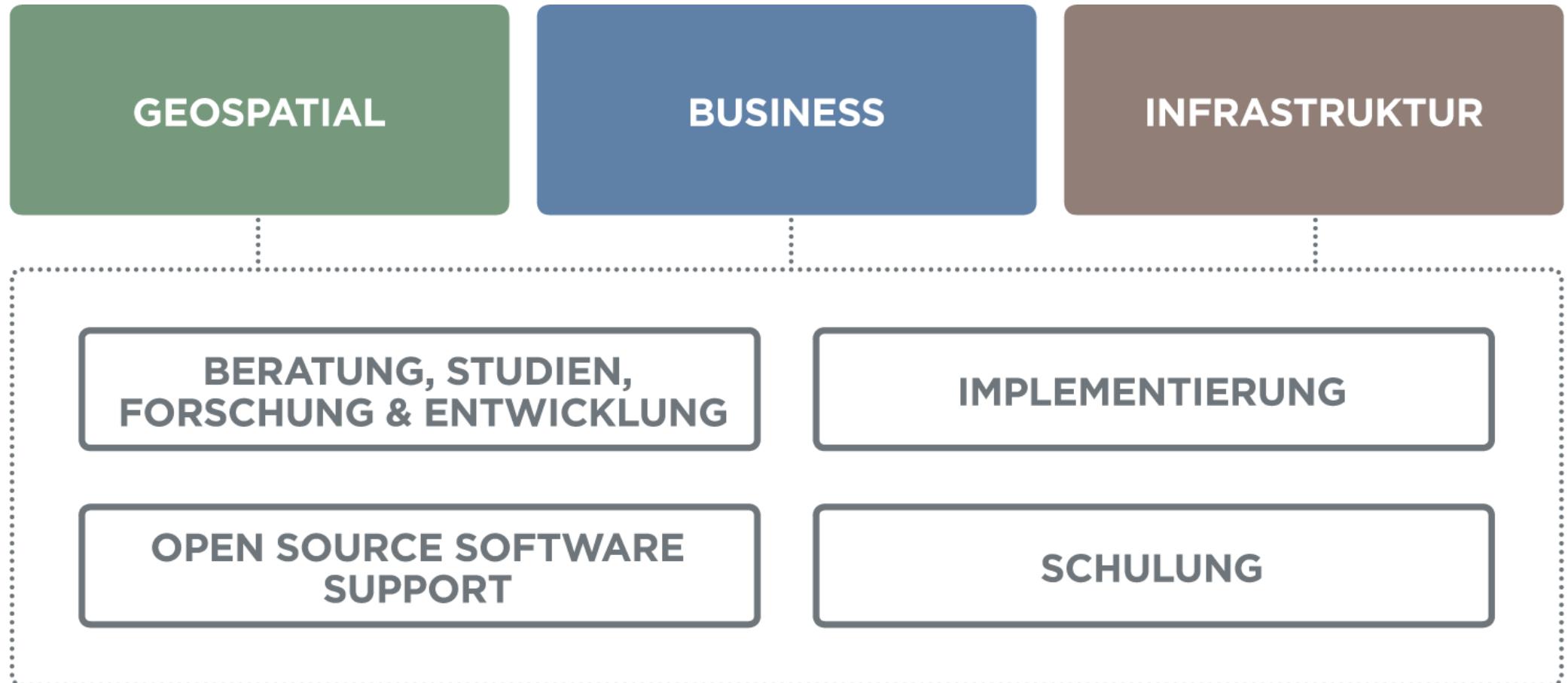


Chambéry



Wien

# Campnocamp: 3 Abteilungen



# MapFish ist...

- WebGIS Framework
- Komponenten-basiert
  - Server-seitige Komponenten in folgenden Programmiersprachen:
    - Pylons / Pyramid Python
    - Ruby on Rails Ruby
    - Symfony PhP
    - Java
    - Andere Programmbibliotheken (GeoAlchemy, Shapely, iText, repoze.who ...)
  - GeoExt
    - OpenLayers JavaScript library
    - ExtJS JavaScript library



# MapFish ist...

Open Source (BSD)



# MapFish und OSGeo

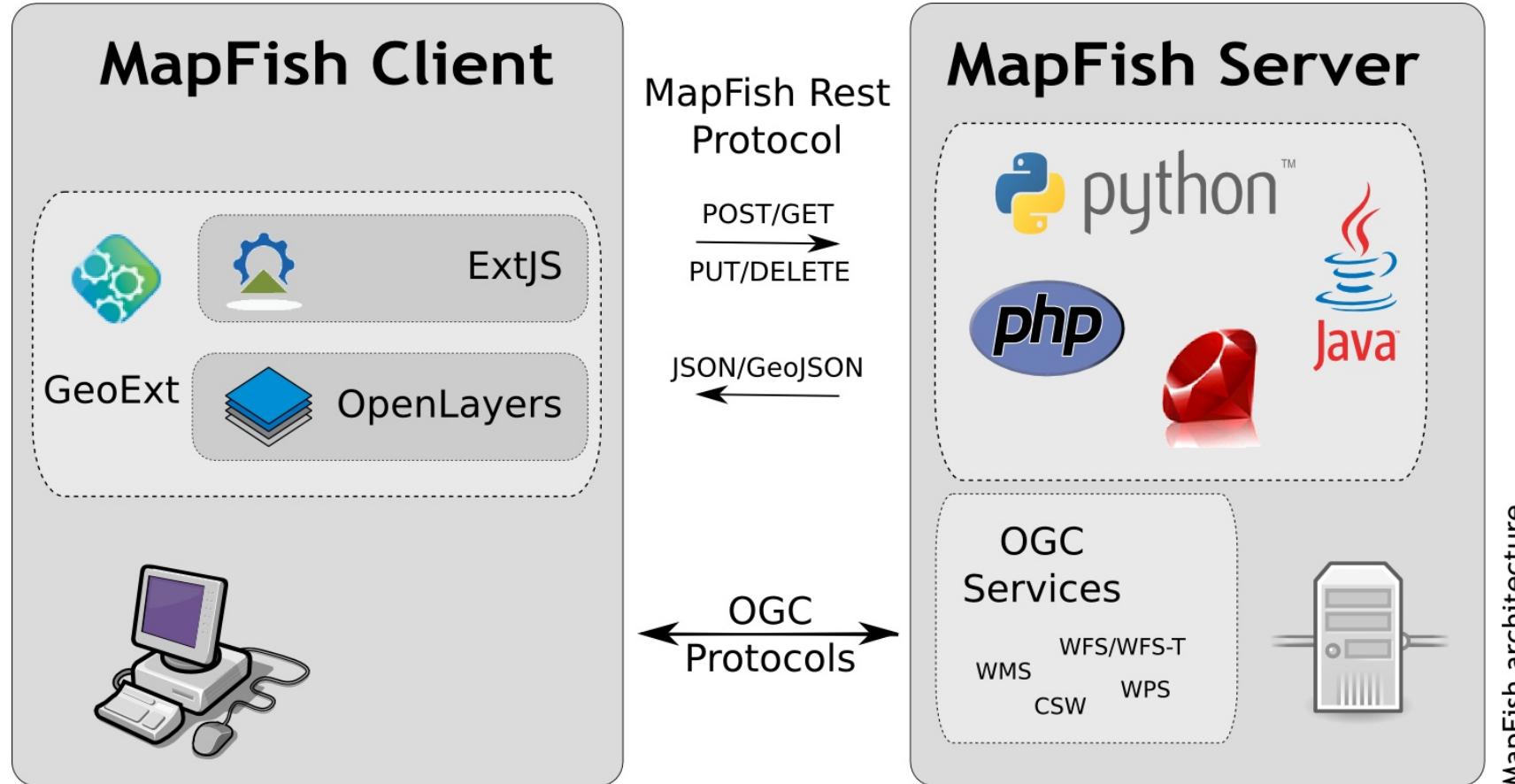
MapFish ist ein OSGeo-Projekt



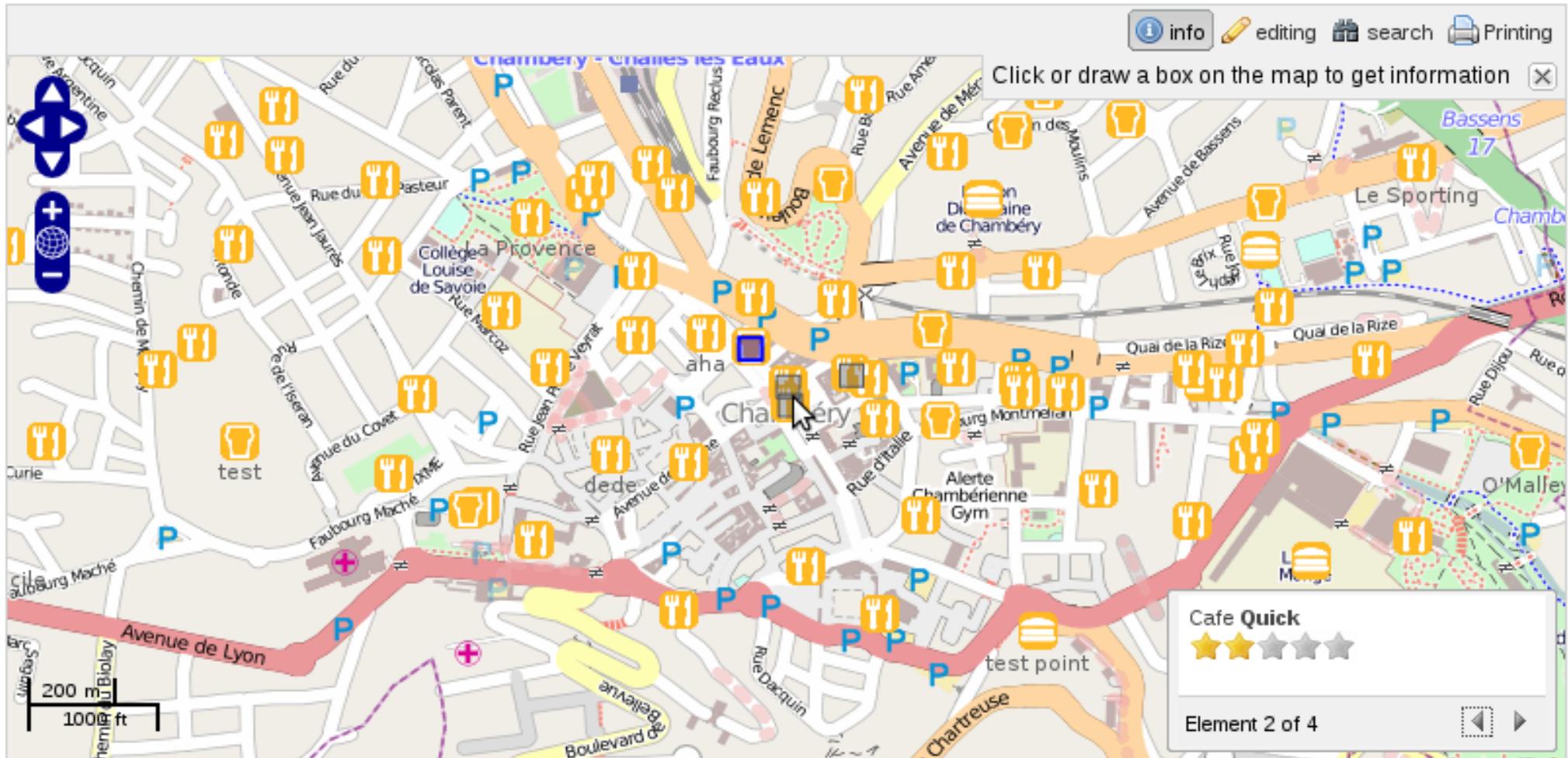
Mentor: Gary Sherman (QGIS)



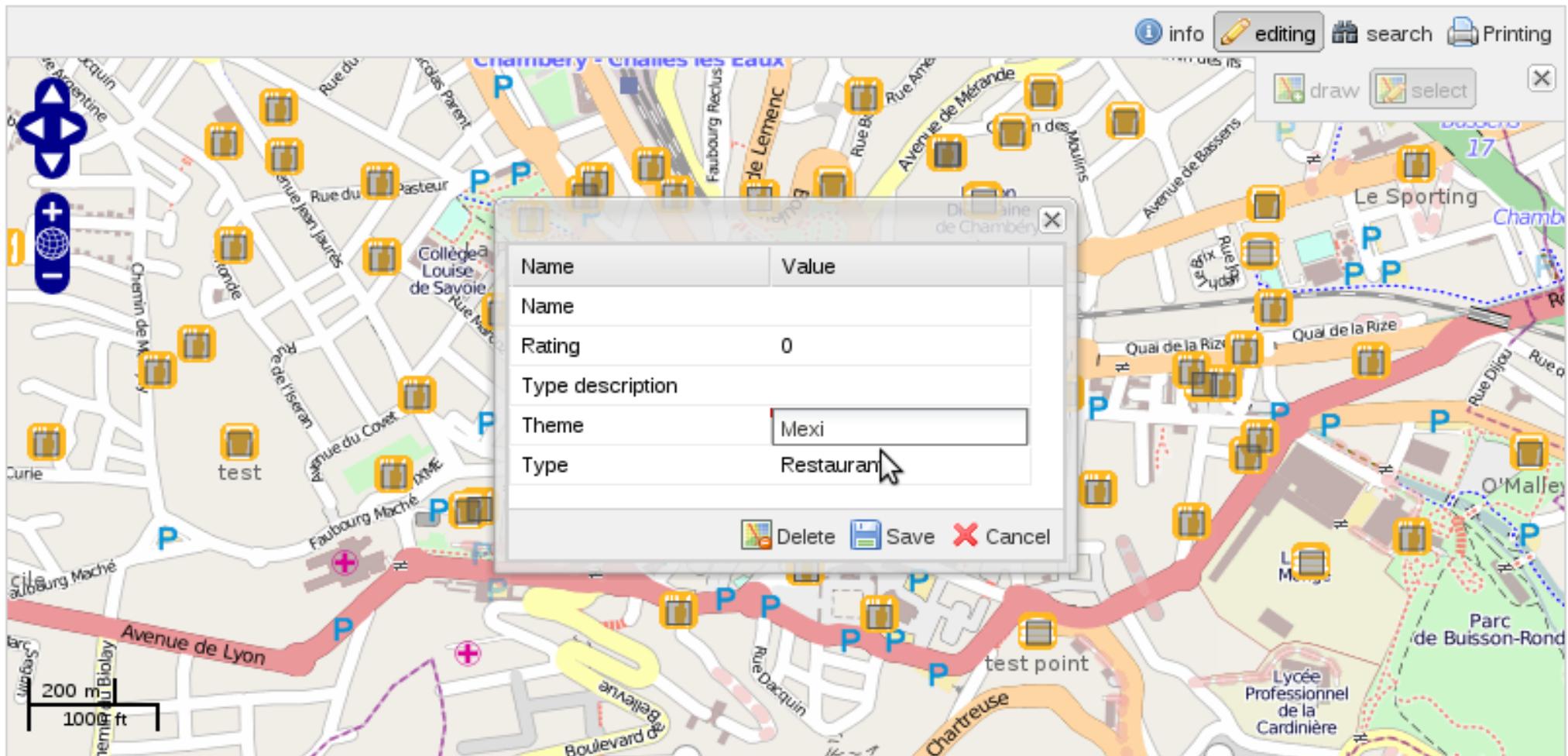
# Architektur



# MapFish Framework: Release 2



# MapFish Framework: Release 2



# One step further...



# One step further...

map.geo.admin.ch

map.schweizmobil.ch

MapFish WebGIS  
(aka c2cgeoportal)

Weitere...

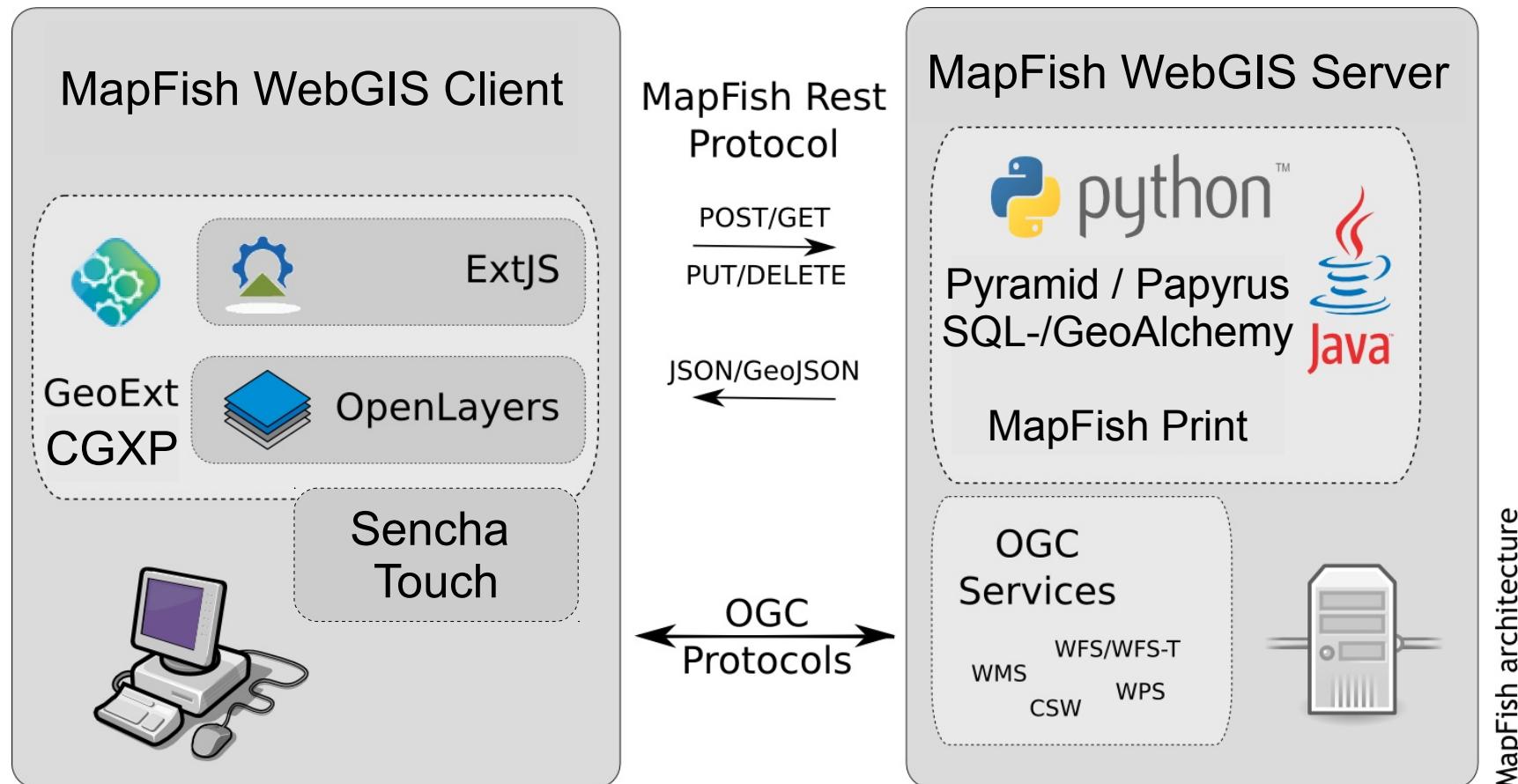


# One step further: MapFish WebGIS

- Generisches WebGIS
- Plugin-Basiert
- Anpassbar und Erweiterbar
- Zahlreiche Funktionalitäten
- User group



# MapFish WebGIS



# MapFish WebGIS

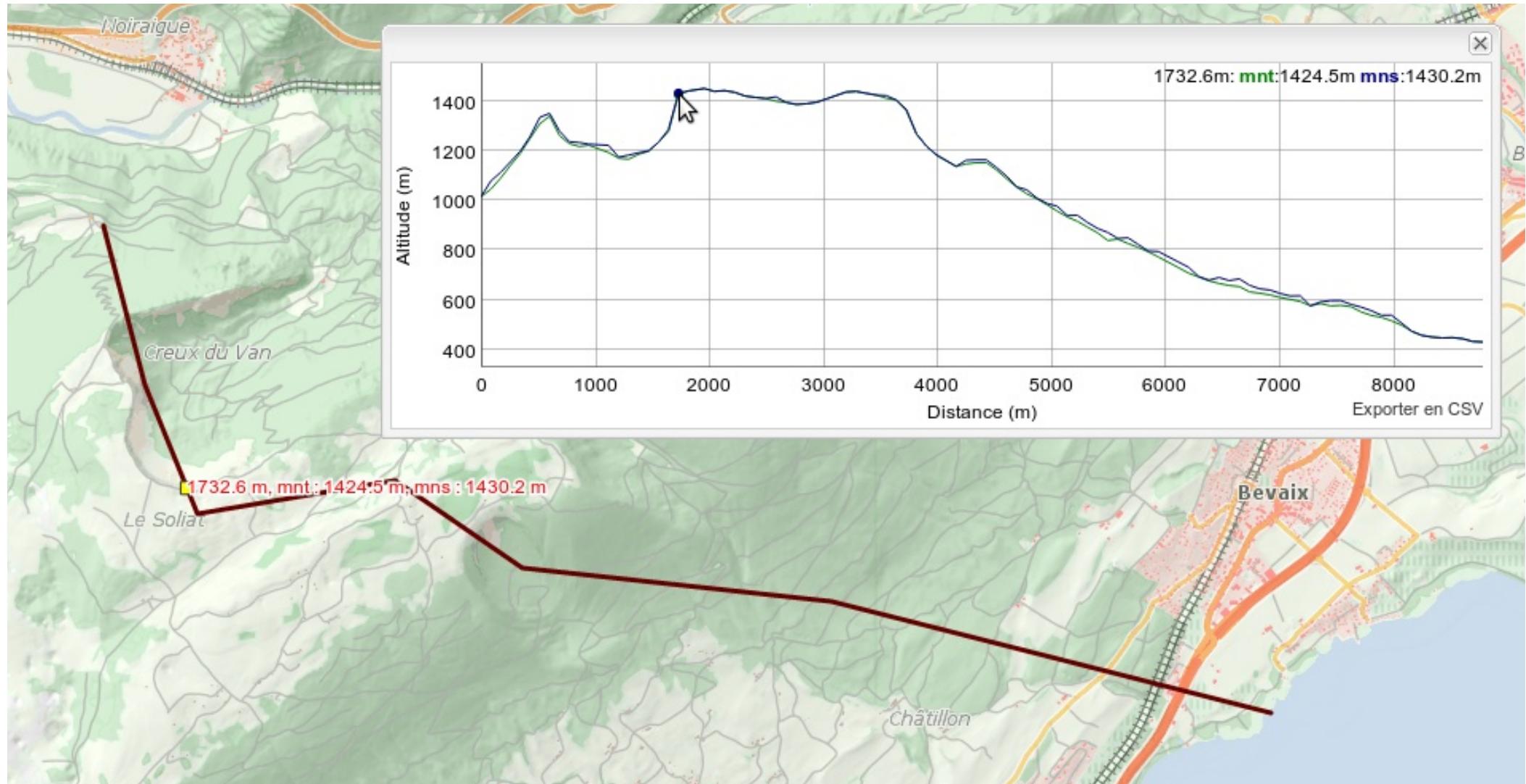
The screenshot displays the MapFish WebGIS application interface. On the left, a sidebar titled "Themen" lists categories such as Gewässer, Landschaft, Kulturerbe, Bildung, and Ausrüstung, each with specific items like Wasserläufe, Niederschlagsgebiet, Baumreihe, etc. The main area shows a map of a coastal town with streets like Balmstrasse, Frohbergstrasse, and Rütistrasse. Overlaid on the map are several large, semi-transparent text elements representing different features and tools:

- WMS
- Übersichtskarte
- externe WMS hinzufügen
- Google Earth Plugin
- Mobile
- Suche
- Legende
- Print
- Profil
- WFS
- Abfrage
- Autovervollständigung
- Sicherheit
- AP
- E
- Peimalk
- Navigation
- Redlining
- WMTS
- Kombinierte Abfrage
- Transparenz

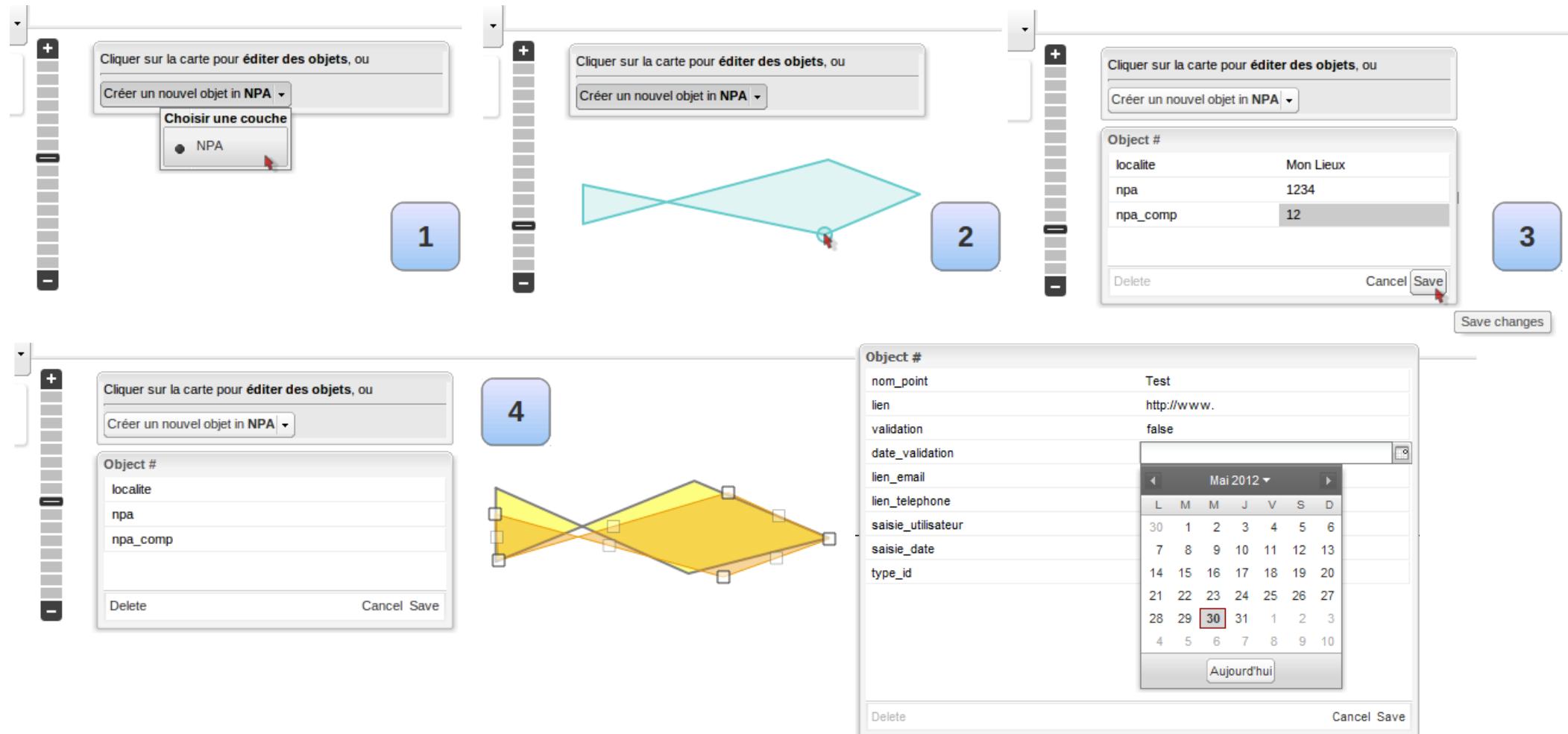
At the bottom of the interface, there are buttons for "WMS hinzufügen" and "KML hinzufügen", a scale bar set at 500 m, a "Massstab: 1 : 25000" dropdown, a "Luftbild" button, a "OSM-Karte" button, and a coordinate display "980312, 5978977". The status bar at the bottom right includes "Contact - Développé par Camptocamp." and the date "13.6.2013".



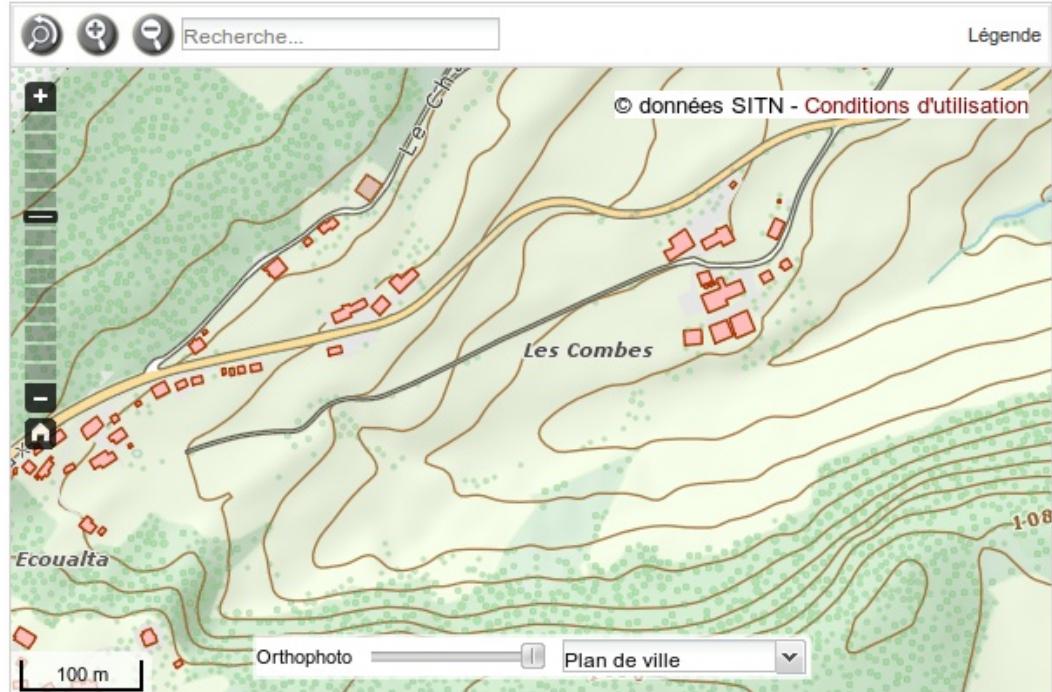
# Profil



# Editieren



# API



```
var map = new sitn.Map({  
    div: 'map1', // id de l'élément qui va contenir la carte  
    zoom: 8, // niveau de zoom  
    center: [544500, 210100] // coordonnées sur lesquelles la carte do  
it être centrée  
});
```



# Mobile



# ... im Einsatz ...

Zum Beispiel:

- <http://geoview.bl.ch>
- <http://sitn.ne.ch>
- <http://map.regiogis-beo.ch>
- <http://cartoriviera.ch>



# Weitere Entwicklungen...



# map.schweizmobil.ch

SwitzerlandMobility



deutsch  
français  
italiano



Enlarged map

Map

Photo

Grey

Search place ...



Print

Logout



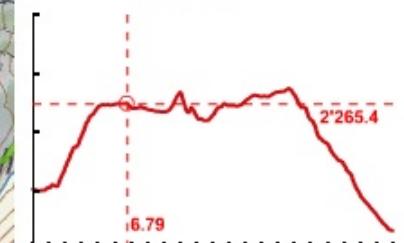
Instructions / Buy  
Configuration

Draw

Upload track from GPS

Routes In numbers

24.72 km 8 h 6  
1157.3 m 6 h 52  
1468.6 m



Enlarge and print

Process / print

Print route  
Insert text / photo  
Print text / photo  
Change route name  
Download route for GPS  
Delete route

List of routes



Coordinates (m): 721758, 161286 | Geodaten © swisstopo (5704000138) | Publishing credits | Copyright & privacy policy | Contact | Legend

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Enlarged map

Aerial imagery Color map

Search location, zip, coordinate ...

Link

Selection



# map.geo.admin.ch v3

The screenshot displays a detailed topographic map from the map.geo.admin.ch website. The map shows the KÖNIZ region, including the town itself and surrounding areas like Liebefeld, Spiegel, Gurt, and Schwänden. Key features include contour lines, roads, and place names. A yellow line with circular markers highlights a specific route or path through the area. The interface includes a navigation bar at the top with links for "Schweizerische Eidgenossenschaft", "map.geo.admin.ch", "Problem melden", "Hilfe", "Mobile", and language selection ("DE"). On the left, there's a sidebar with options like "Link versenden", "Drucken", "Kartenfunktionen", "Geokatalog", "Thema wählen", "Ihre Auswahl (0)", and a "Menü schliessen" button. A search bar at the top center allows users to enter locations, PLZ, coordinates, or data. The bottom of the screen shows a scale bar (200 m), copyright information ("© Daten: swisstopo | CH1903 / LV03"), coordinates ("Koordinaten (m): 600917, 197873"), and a footer with "geo.admin.ch | Copyright & Datenschutzerklärung". A small inset map in the bottom right corner shows the location of the KÖNIZ area within the context of the entire Swiss Confederation.

Search Points of Interest Routing Print Measure Reset Link Help

A Arrêts M1 EPFL

B Musée Bolo

Disabled

**Let's go!** **Reset**

**A** Departure from level 0

1 Down the ramp to level -1 57 m

2 Up the stairs to level 0 123 m

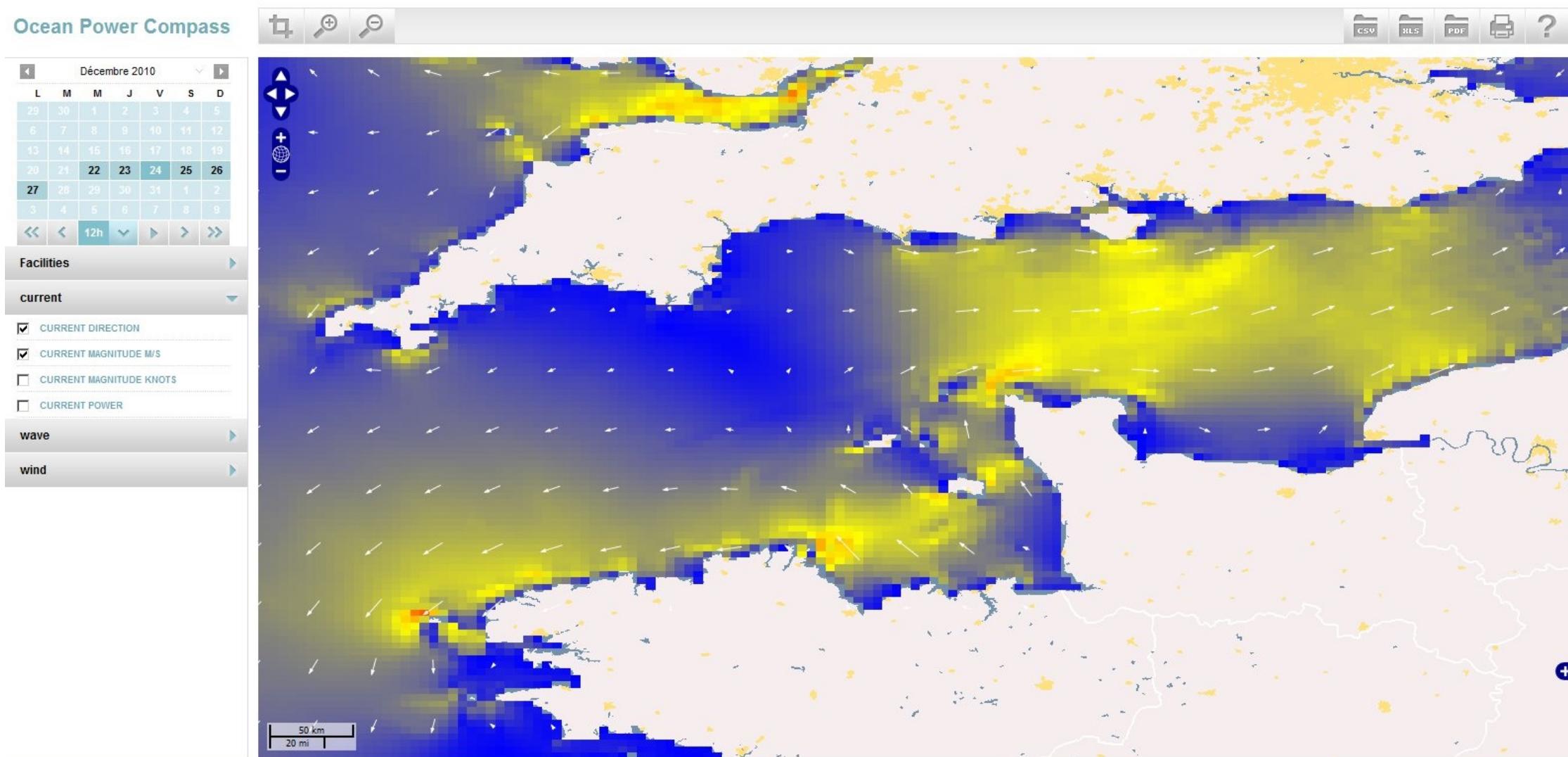
3 Up the stairs to level 1 137 m

4 Down the stairs to level 0 492 m

**B** Arrival to level 571 m

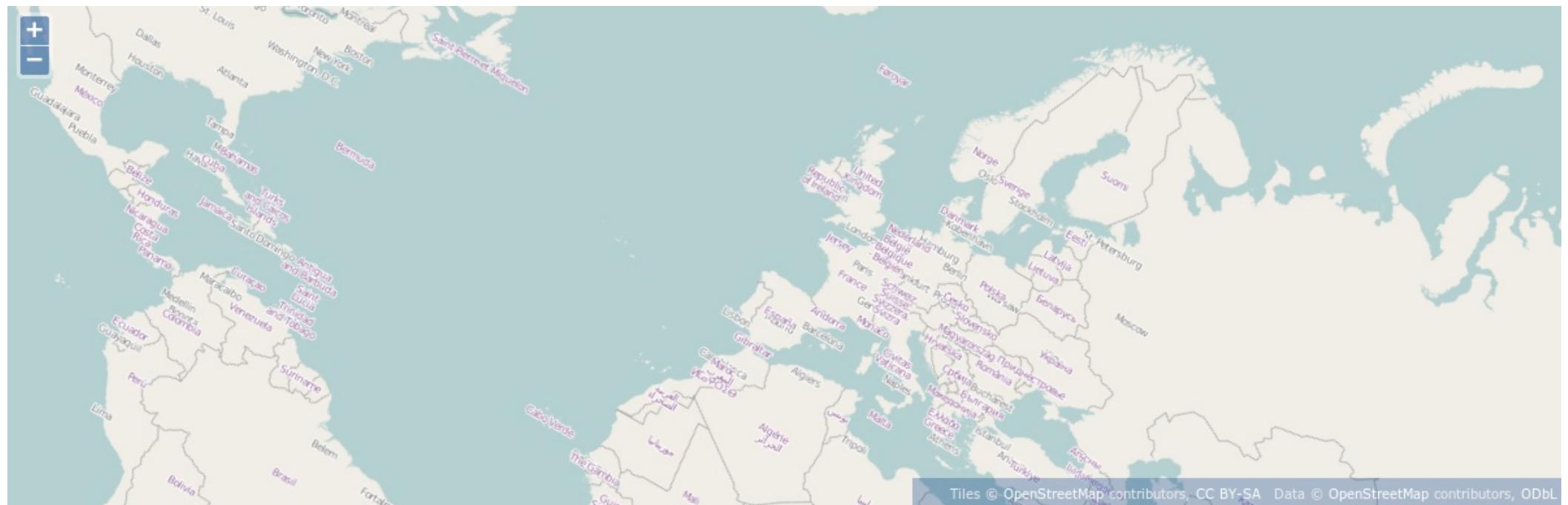


# Ocean Power Compass – Animation



# Ausblick

- OpenLayers 3... etc!



- Weiterentwicklung des MapFish WebGIS
- Cross device



# Community

<http://www.mapfish.org>

<http://github.com/mapfish/>

<http://twitter.com/mapfish>

#mapfish

MapFish WebGIS

<http://github.com/camptocamp/c2cgeoportal/>



# Danke für die Aufmerksamkeit!

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... oder am Stand



