



Hi Anna, how are you doing?



Hi Bob, I'm well. You?



Run into some problems ...



What happened?



Arrr ... I'm working on this recreational center and missing some information in the dataset, which I became from the authority.



Well, I never!



But I found them some where else.



HSR

HOCHSCHULE FÜR TECHNIK
RAPPERSWIL

FHO Fachhochschule Ostschweiz



OpenPOIMap – An Easy to Use and Extensible Solution for Point-of-Interests

Michel Ott

michel.ott@me.com

OpenPOIMap  beta

Bobs little hurdles ...



Hi Anna, how are you doing?



Hi Bob, I'm well. You?



Run into some problems ...



What happened?



Arrr ... I'm working on this recreational center and missing some information in the dataset, which I became from the authority.



Well, I never!



But I found them some where else.

What if:

Bob:

- Can use his preferred desktop GIS
- Does not need to merge / copy any data
- Has real-time up-to-date information
- Can combine with the data from the authority

That's:

OpenPOIMap  beta



HSR

HOCHSCHULE FÜR TECHNIK
RAPPERSWIL

FHO Fachhochschule Ostschweiz



OpenPOIMap  beta

AGENDA

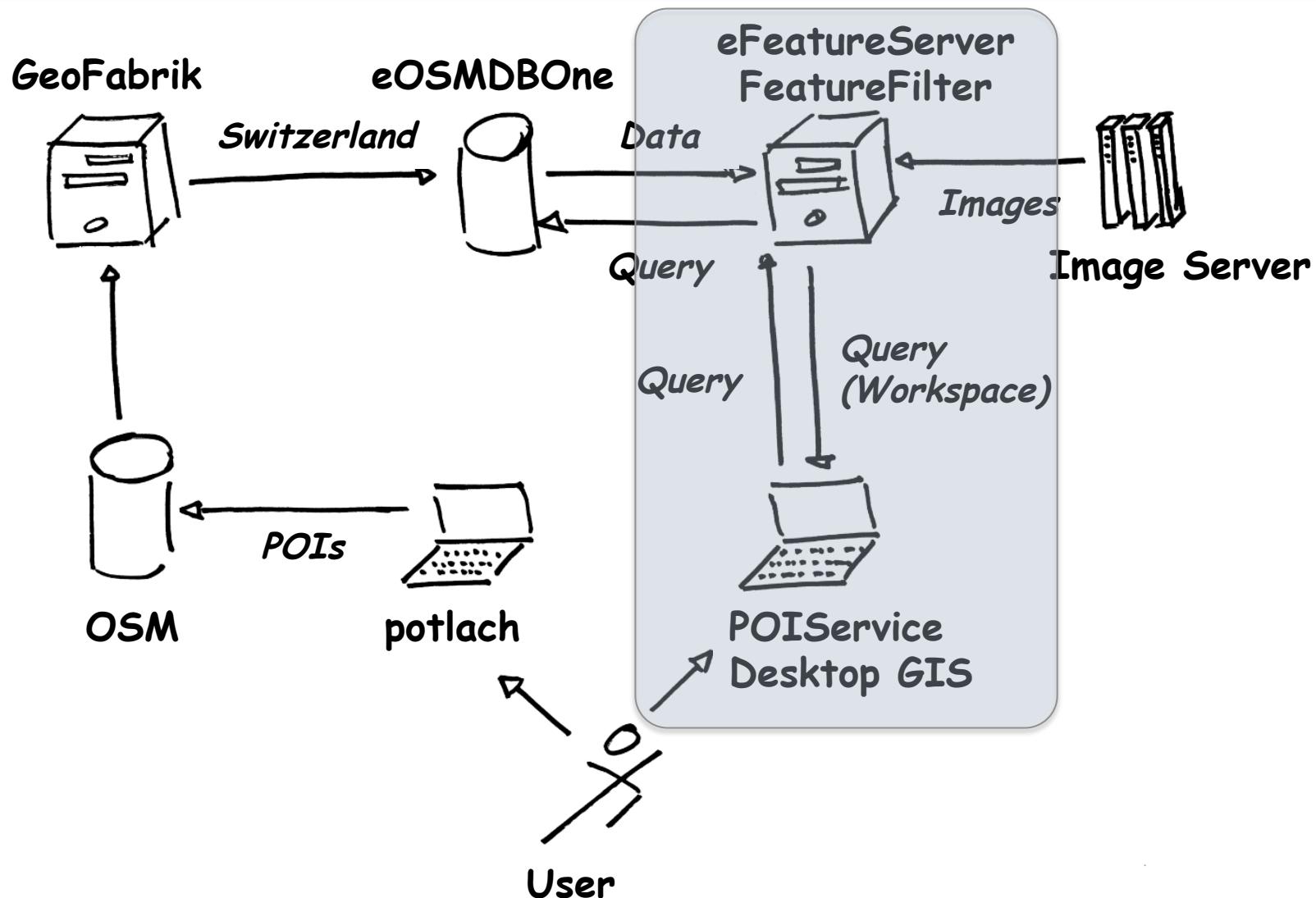
- Scenario (What is OpenPOIMap)
- Demo

User

-
- eFeatureServer
 - FeatureFilter

User / Developer

Scenario (What is OpenPOIMap)



Scenario (What is OpenPOIMap)

Consist of:

eFeatureServer

- Web Feature Service server
- Workspace mechanism
- Supports different formats
 - Shapefile, KML, GML, GPX, OV2 (TomTom), etc.

FeatureFilter

- Clustering
- Image Collator

POIService

- Web user interface
- WFS builder
- TagFinder

Result

Search String Analysis

Search String:	Bushaltestelle
Detected Language:	de
Preferred Value:	bus_stop

Count	Key	Value	Filter
887141	highway	bus_stop	[+]
4462	qroti:mode_name	Bus Stop	[+]
584	FIXME	This bus stop could be redundant	[+]
197	site	bus_stop	[+]
166	name	Bus stop	[+]

TagFinder

Result

Search String Analysis

Search String:	Schloss
Detected Language:	de
Preferred Value:	castle

Find relationship, translations, etc.

Count	Key	Value	Filter
13659	historic	castle	[+]
12631	tiger:county	New Castle, DE	[+]
1045	tiger:name_base	Castle	[+]
773	is_in	New Castle,Delaware,Del.,DE,USA	[+]
760	gnis:County	New Castle	[+]
670	name	Castle Street	[+]

Show results



taginfo

Lookup on taginfo

Property assertions: castle	
Object property assertions	
	related fortification
	related fortress
	related mansion
	related citadel
	related palace
	inScheme OSM
	broader historic
	related stronghold
	related peel
	topConceptOf OSM
Data property assertions	
	altLabel "Palast"@de
	altLabel "Chateau"@de
	altLabel "Prachtbau"@de
	altLabel "Palais"@de
	altLabel "Schloss"@de
	prefLabel "castle"@en

Demo (<http://www.openpoimap.ch>)

[Home](#) | [Query Builder](#) | [TagFinder](#) | [Download](#) | [Services](#)

Query (Feature Filter)

Insert a query here (OGC Filter Encoding v2.0.0) (Need help? Try the [Query Builder](#)):

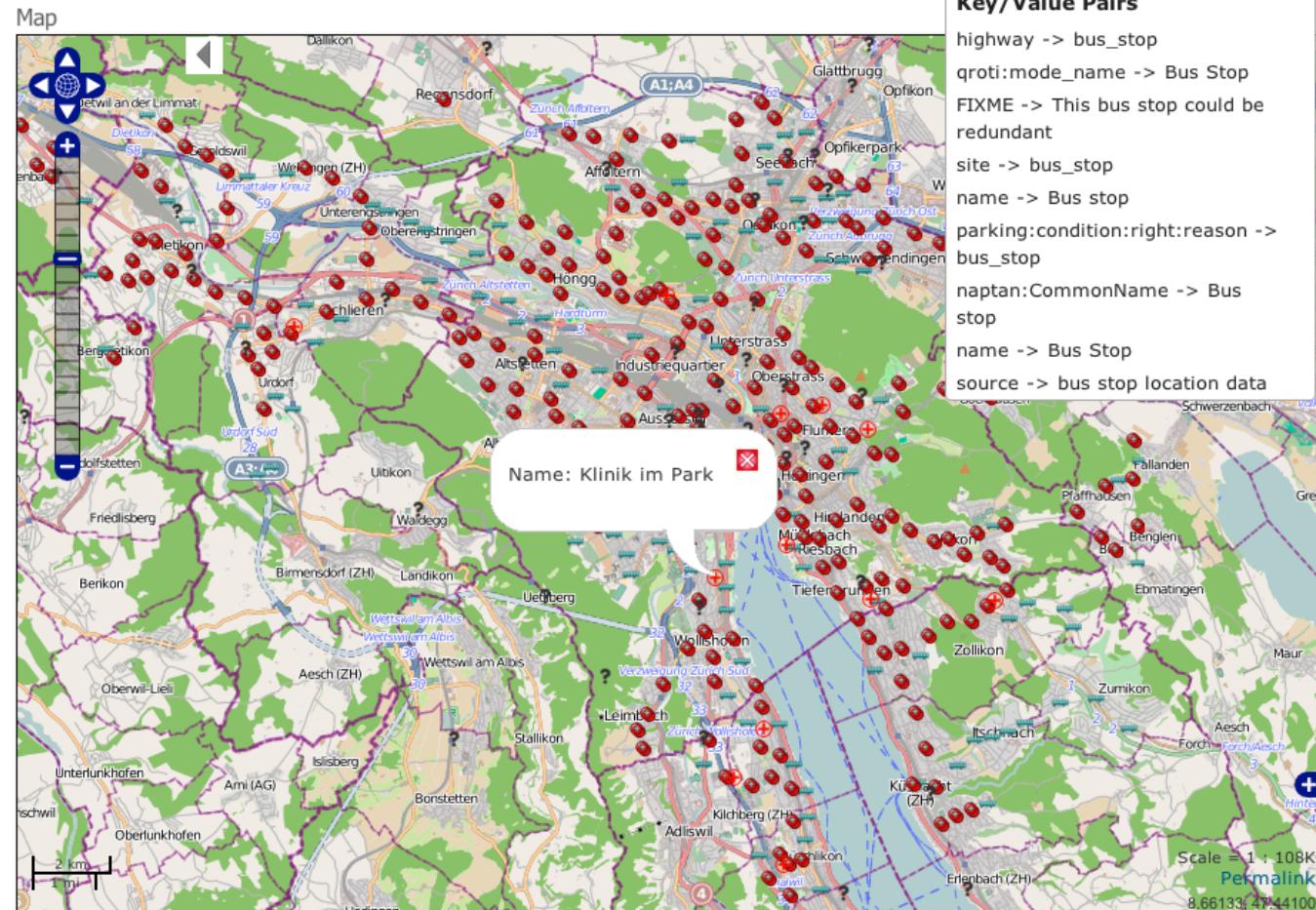
```
<Filter>
  <PropertyIsEqualTo>
    <PropertyName>amenity</PropertyName>
    <Literal>hospital</Literal>
  </PropertyIsEqualTo>
</Filter>
```

Restrict query to current map extent.

[Show](#)

Examples

- [VBZ bus stations](#)
- [Hospitals](#)
- [Memorials](#)
- [Camping Sites](#)
- [Hotels](#)
- [Hostels](#)
- [Guest Houses](#)
- [Chalet](#)
- [Motel](#)
- [Caravan Site](#)



Based on [FeatureServer](#) and [WFS](#) · Data 18.03.2012 07:22 ODbL by [OpenStreetMap](#)

[About...](#) · [Feedback](#) · [Terms of Use](#) · [Geometa Lab](#) · 

OpenPOIMap beta

AGENDA

- Scenario (What is OpenPOIMap)
- Demo

User

-
- **eFeatureServer**
 - **FeatureFilter**

User / Developer

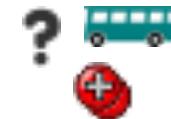
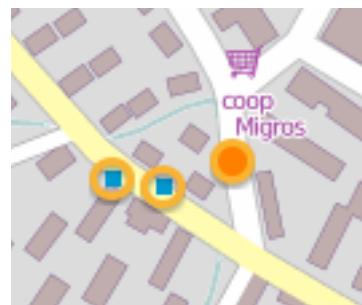
eFeatureServer

- Runs under Python > 2.6
 - Supports CGI, FCGI, Standalone
- Implements OGC WFS 1.1.0
 - [geometry](#), [spatial](#) and [comparison](#) operators fully supported
- Provides different output formats:
 - Shapefile, KML, GML, GeoJSON, GeoRSS, HTML, CSV, GPX, OV2, OSM
- Handles workspaces
 - Currently read-only
 - Creates a workspace specific [GetCapabilites](#) and [DescribeFeatureType](#) responses
- Can be used as usual
 - OpenLayers, Desktop GIS, etc.

FeatureFilter

Provides:

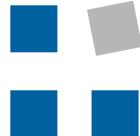
- Clustering mechanism
- Several OpenLayers extensions
 - E.g.: for Tooltip, Info window, Image handling
- Image collator based on patterns
 - Incl. image storage



FeatureFilter

Usage:

- Can be used as vector filter layer
 - currently only available for OpenLayers
- [ImageHandler](#)
 - Handles feature symbols
- [FeatureFilter](#)
 - Brings the map and the image handler together
 - Provides some very useful helper functions
- [OpenLayers.Protocol.WFSFilter](#)
 - Additional callback functions and handles WFS [ExceptionReport](#)
- [OpenLayers.Layer.VectorFilter](#)
 - Some small extensions (optional)



HSR

HOCHSCHULE FÜR TECHNIK
RAPPERSWIL

FHO Fachhochschule Ostschweiz



OpenPOIMap  beta

SUMMARY

- Includes 3 different components
 - eFeatureServer: WFS server
 - FeatureFilter: Clustering and image collator
 - POIService: UI and TagFinder
- Each component can be used independently



Thanks a lot Anna,
you saved my life.

धन्यवाद

Hindi

多謝

Traditional Chinese



You're welcome!

ຫວັບຖານ

Thai

Спасибо

Russian

Gracias

Spanish

Thank You

English

شُكْرًا

Arabic

Obrigado

Brazilian Portuguese

Grazie

Italian

多謝

Simplified Chinese

Danke

German

Merci

French

நன்றி

Tamil
Tamil

ありがとうございました

Japanese

감사합니다

Korean