



Welcome to GeoBeer #42!

**from Marc, Anne, and Ralph
a.k.a. The GeoBeer Team**

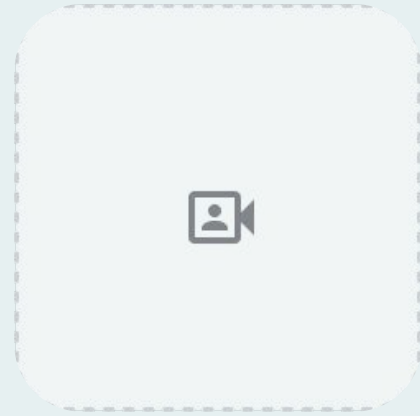


Thanks for hosting us, Camptocamp!



camptocamp 

INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS





**Who is at their very
first GeoBeer event?**





- We are a roughly quarterly meeting of people interested in geography, GIS, cartography, and the latest technologies.



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- We want to promote ideas and communication.



- We are a roughly quarterly meeting of people interested in geography, GIS, cartography, and the latest technologies.
- We want to promote ideas and communication.
- GeoBeer is independent of companies and organisations.

The team



**Anne
Wegmann**
SBB



**Ralph
Straumann**
EBP



Marc Folini
unaffiliated

How to *GeoBeer*, in general



How to *GeoBeer*, in general

- Say hi!



How to *GeoBeer*, in general

- Say hi!
- Fill in your name tag



How to *GeoBeer*, in general

- Say hi!
- Fill in your name tag
- Enjoy the talks



How to *GeoBeer*, in general

- Say hi!
- Fill in your name tag
- Enjoy the talks
- If you like: post online about the event
(#geobeer)

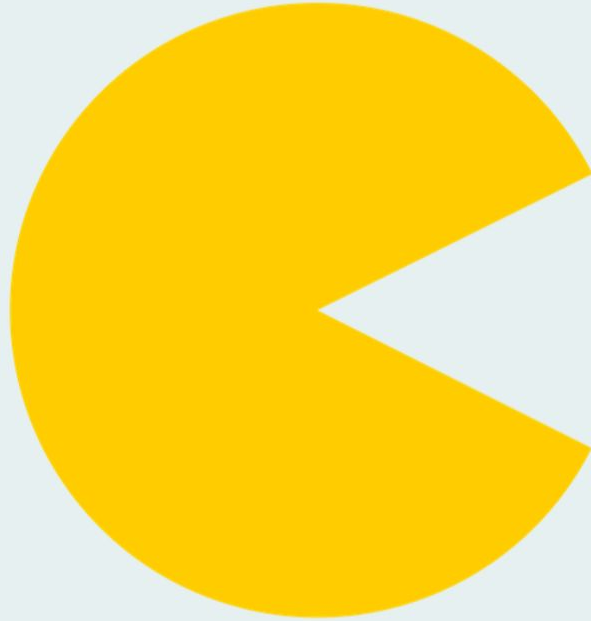


How to *GeoBeer*, in general

- Say hi!
- Fill in your name tag
- Enjoy the talks
- If you like: post online about the event ([#geobeer](#))
- Approach people



How to *GeoBeer*, during the apéro



PacMan Rule: When standing as a group of people, always leave room for one person to join your group.

Tonight's program

- Welcome from the Team
- Welcome from the Host
- Lightning Talks
- Socializing



Welcome from the Team (this is it!)

GeoBeer Team





Welcome from the Host

About Camptocamp

Your partner for success

- A major European player in **Open Source**
- Founded in **2001**
- **190+** employees
- **3 countries:**
 - Switzerland, France, Germany

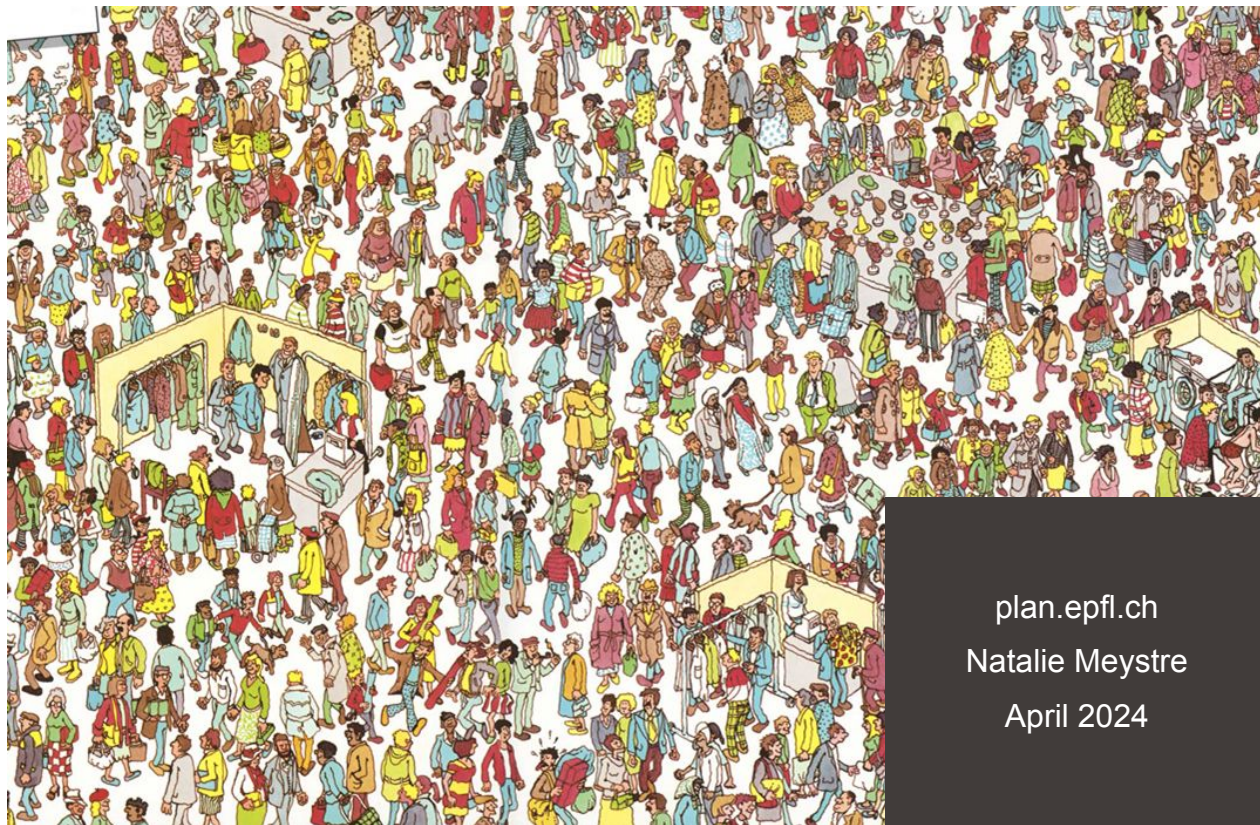


Lightning Talk 1

Where is Waldo's lab at EPFL?

Natalie Meystre, EPFL





Where is Wally (at EPFL) ?

plan.epfl.ch
Natalie Meystre
April 2024





- Natalie Meystre, Master in architecture at EPFL in 1995
- Expertise in 3d models, then in web & information architecture
- Working at EPFL since 2001
- Service manager for web application (www.epfl.ch websites and parent applications as actu, memento, people, ...)





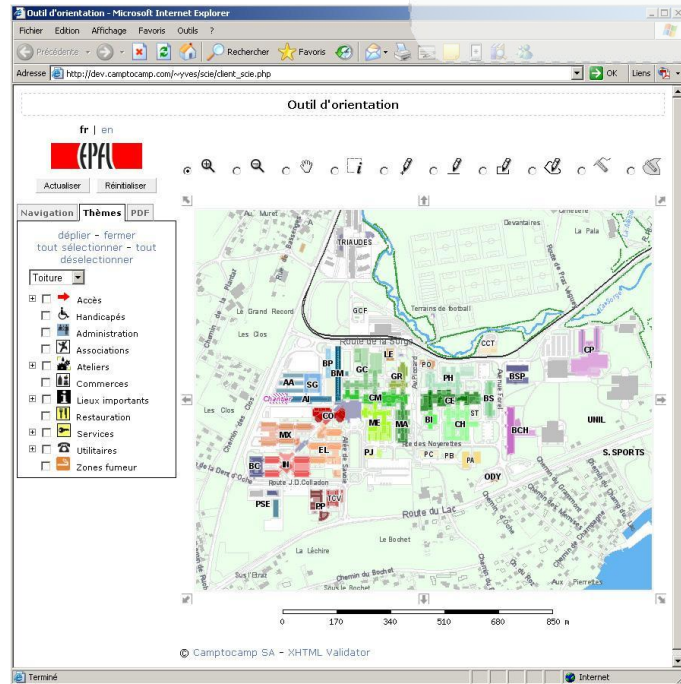
- EPFL: Ecole polytechnique fédérale de Lausanne
- 6'500 staff + 13'500 students = Vevey = 50th Swiss "city"
- Main campus in Lausanne since 1969, with many disparate buildings





EPFL and C2C geospatial, a success story

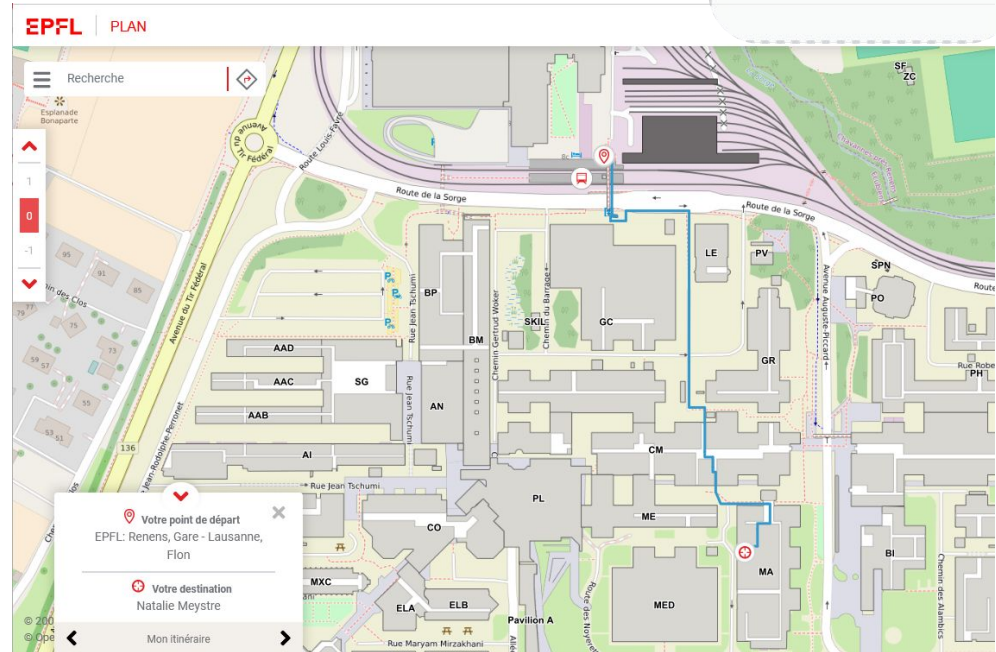
- First version of plan.epfl.ch in ~2001 (included *Smoking areas* ;-)
- <https://www.camptocamp.ch/en/customer-journeys/customer-journey-epfl>





Geolocalisation

- How to find someone's office
- How to find resources, services, équipements, classrooms..
- How to go from a place to another

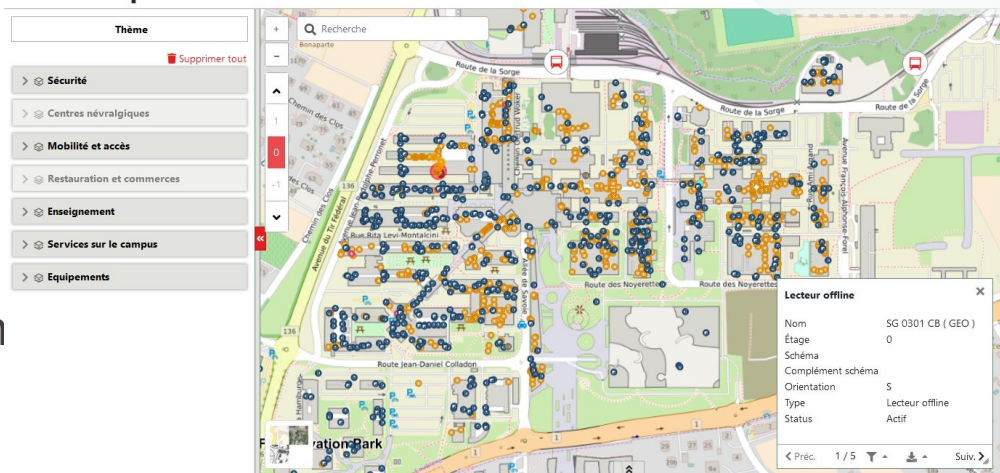




Facilities management

- IT equipment
- HVACR
- Security information for firemen
- Information protected by login
- Drawing tools, coordinates, area calculation

EPFL Géoportail





Available databases

- An updated & accurate people directory
- Buildings plans on Archibus
- EPFL campus app

SI Services Académiques Gestion [ISAS-GE](#)

Responsable

[Cardoso, Eric](#)

Adresse postale

EPFL VPO-SI ISAS-GE
MA A0 388 (Bâtiment MA)
Station 8
1015 Lausanne

5 personnes

Cardoso, Eric	Chef de service	MA A0 399	+41216931233
Hollingworth, Ken	Gestionnaire de services IT	MA B0 459	+41216933009
Meystre, Natalie	Gestionnaire de services IT	MA B0 459	+41216932743
Naguib, Michel	Gestionnaire de services IT	MA B0 459	+41216932246
Perroud, Laurent	Gestionnaire de services IT	MA B0 509	+41216932487

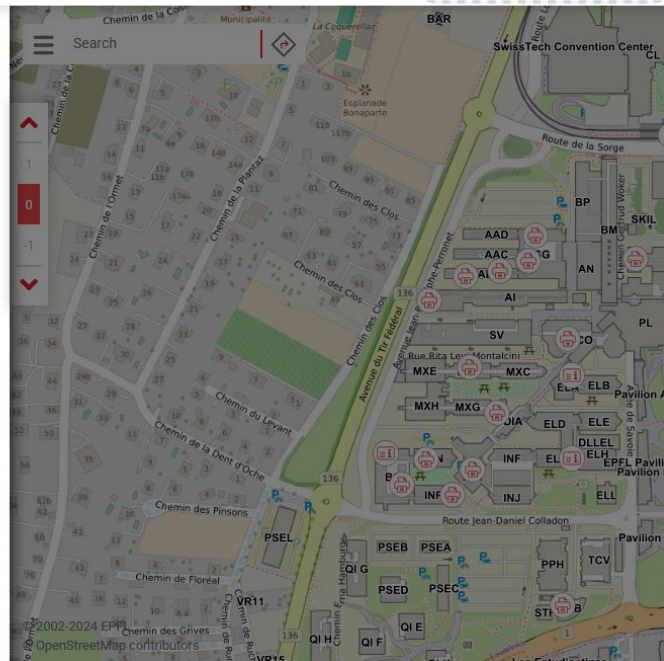
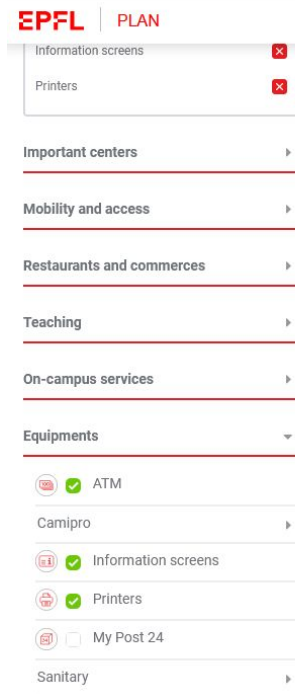


Natalie Meystre



Ergonomics

- How to display so many éléments
- How to configure a good search engine
- How to show the navigation through floors & zoom
- How to display all features





Features for people with disabilities

- Accessibility paths
- Audioguide

Security

- Restricted areas by users ()



Lightning Talk 2

Geodata in civil protection: Preparation, prediction, analysis, reaction

***Elio Pittera**, Federal Office for Civil Protection,
National Emergency Operations Centre*





Geodata in civil protection: preparation, prediction, analysis, reaction

Elio Pittera

National Emergency Operations Centre NEOC

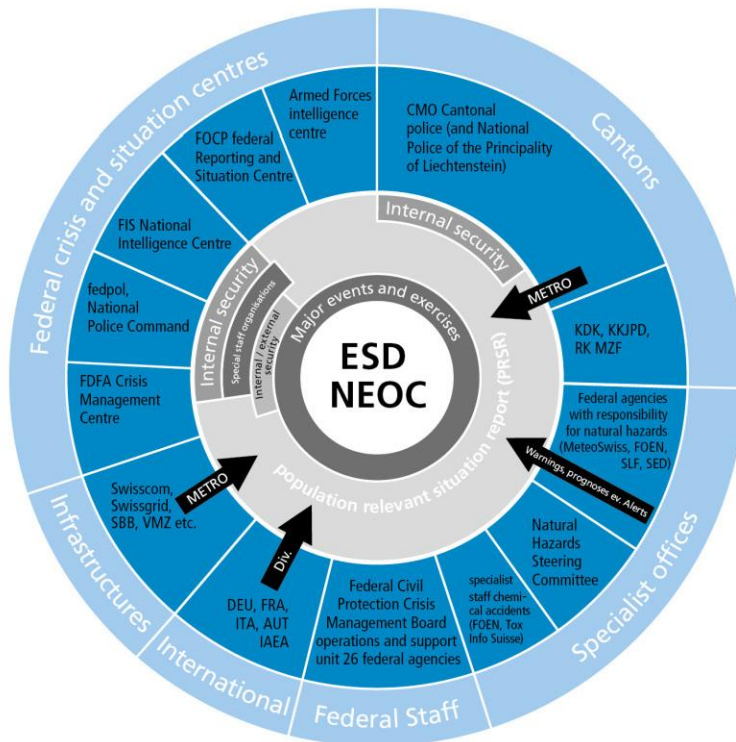




The National Emergency Operations Centre is ...

...the specialised federal government civil protection organisation.







Areas of relevance to civil protection

National Emergency Operations Centre
Electronic Situation Display ESD

Homepage Events & exercises Ukrainekrieg x

Field situations

Legend

Security



Infrastructure



Radioactivity



National Economic Supply



Biology

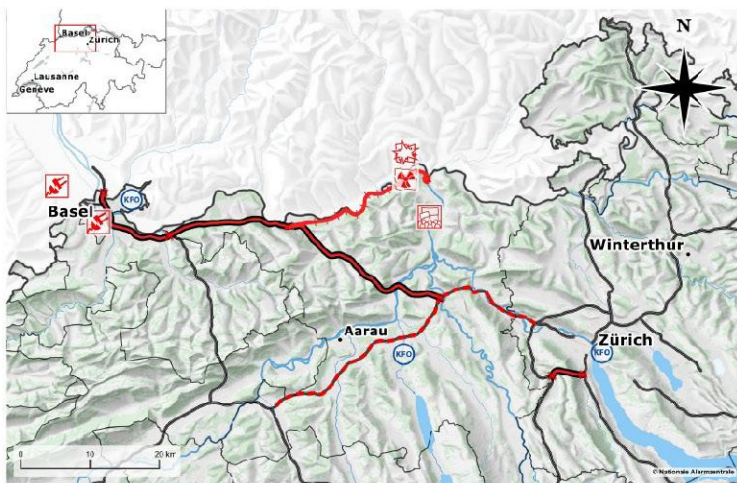


Chemistry



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

U ANTE GNU 23 – 16.11.23 13:45 – INTERNAL MAP SHOWING LEIBSTADT NUCLEAR POWER STATION



Nuclear accident



Explosion of tank wagons



Demonstration



Power outage

Closed rail lines

Traffic congestion

Closed national highway

Cantonal response teams (CRT)



Federal Department of Defence, Civil Protection
and Sport DDCS
Federal Office for Civil Protection FOCP
National Emergency Operation Centre NEOC

Serious accident S (15:23 CET 15.11.23)

- > Two railway tank wagons exploded on 15.11.23 at 09:15.
- > The damage caused by the debris triggered an emergency reactor shutdown.

Radioactivity situation (KKL)

- > Planned controlled unfettered release (30 mins) on 16.11.23, ended at 12:30
- > "General alarm – application of protective measures" on 16.11.23 at 11:30
- > Elevated values recorded in areas where protective measures ordered.

Chemical situation

- > 150–180 tonnes of paraffin released into the Rhine: fire hazard and fish mortality locally.

Infrastructure situation

Energy

- > Large-scale power outage throughout the city of Basel and Basel-Mulhouse Airport, critical infrastructure supplied from back-up power supply.

Transport

- > Rail: Stein (AG) – Koblenz (AG) line closed (for min. 1 week as of: 16.11.23).
- > Road: Uetliberg tunnel only open towards Bern/Basel, traffic congestion on the A1 motorway in Aargau region, A3 closed between Birmelfeld (AG) and Basel.
- > Air: Airspace closure lifted.

Health & safety

- > Major delays in rescue services in the Brugg/Baden (AG) area.

General public and authorities

- > Demonstration (approx. 200 people) in front of the Reznau nuclear power plant quietened down
- > Emergency staff in action: ENSI, EC NEOC, SD3 operations and KKL
- > CRT AG deployed, ZH on alert, BS mobilised.



Preparation:



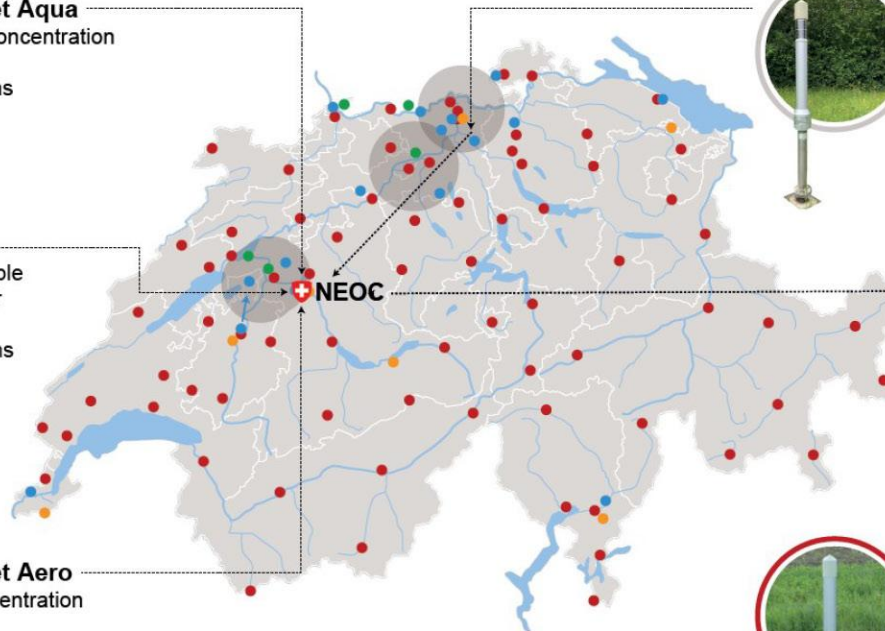
URAnet Aqua
Water concentration
(FOPH)
5 stations



HVS
Air sample
collector
(FOPH)
6 stations



URAnet Aero
Air concentration
(FOPH)
15 stations



MADUK network
ODL
(ENSI)
57 stations (+ 14 in D)

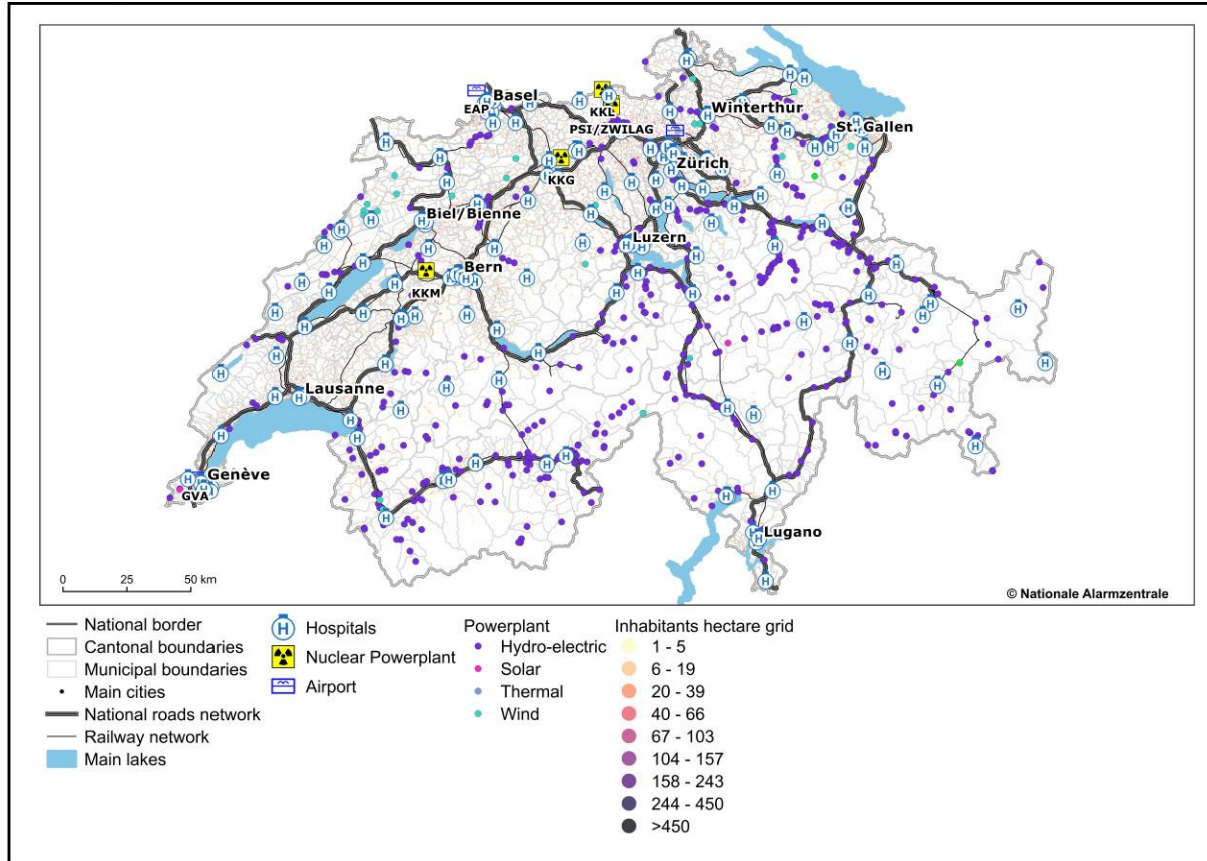


NADAM network
ODL
(NEOC)
76 stations



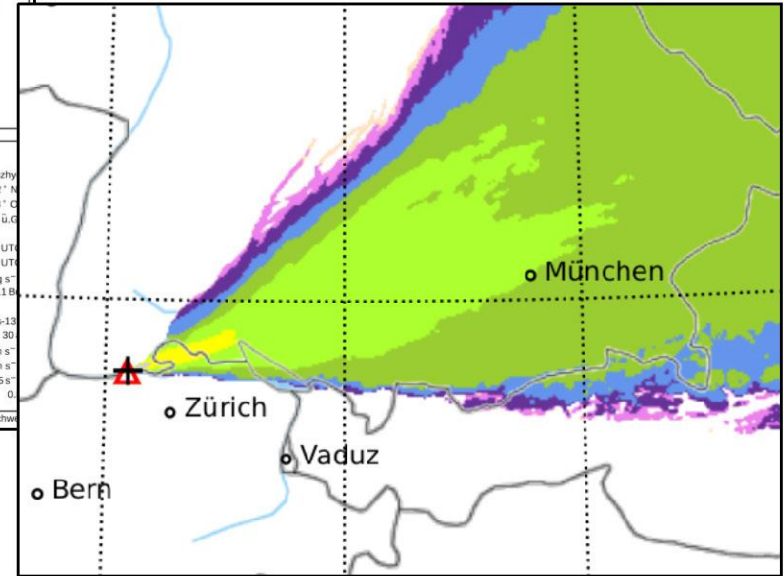
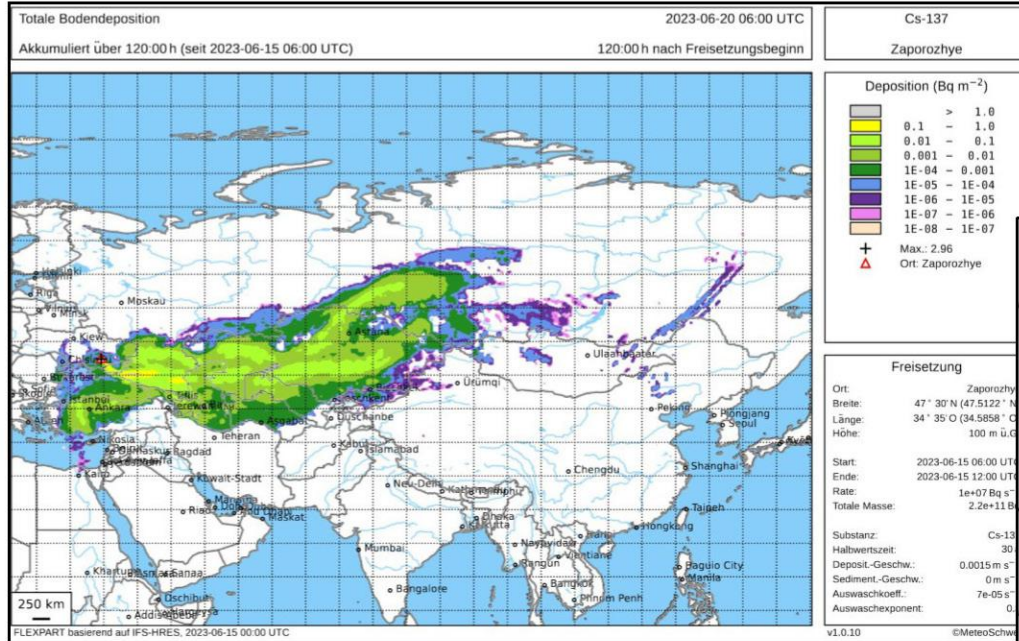


Preparation:



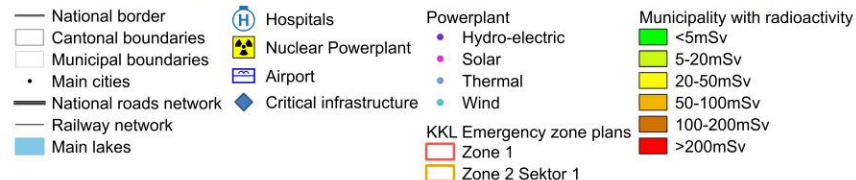
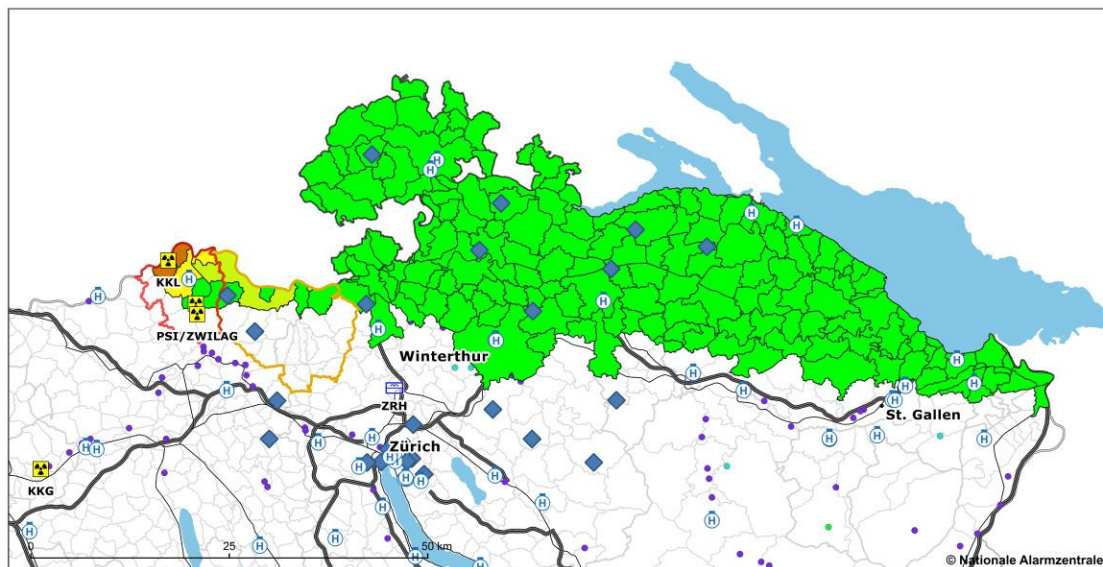


Prediction and analysis:





Prediction and analysis:



BFS_NUM	BEZIRKSN	KANTONS	NAME	GEM_FLAE	SHN	EINWOHN	Value
MER	UM	UM		CH	CH	CH	(mSv)
430700	CH191100	CH1900000	Full-Reuenthal	478CH	4307	915	134.773
431100	CH191100	CH1900000	Leibstadt	640CH	4311	1455	101.242
431300	CH191100	CH1900000	Leuggern	1376CH	4313	2322	40.6151
431000	CH191100	CH1900000	Koblentz	408CH	4310	1684	28.2955
432400	CH191100	CH1900000	Zurzach	2599CH	4324	7800	12.651
430900	CH191100	CH1900000	Klingnau	671CH	4309	3539	5.14895
297400	CH140600	CH1400000	Wilchingen	2110CH	2974	1718	4.38797
29200	CH010200	CH0100000	Stammheim	2395CH	0292	2861	3.44679
6700	CH010300	CH0100000	Rafz	1068CH	0067	4676	2.93281
7100	CH010300	CH0100000	Wil (ZH)	894CH	0071	1515	2.64275
4000	CH010200	CH0100000	Trüllikon	956CH	0040	1060	2.57168
3800	CH010200	CH0100000	Rheinau	895CH	0038	1297	2.42019
3500	CH010200	CH0100000	Marthalen	1413CH	0035	1927	2.42019
297300	CH140600	CH1400000	Trasadingen	414CH	2973	638	2.30775
3700	CH010200	CH0100000	Ossingen	1309CH	0037	1696	2.26435
297100	CH140600	CH1400000	Hallau	1532CH	2971	2307	2.05838
454600	CH201200	CH2000000	Schlatt (TG)	1554CH	4546	1823	2.01841
2200	CH010200	CH0100000	Benken (ZH)	566CH	0022	852	1.96434
487100	CH201200	CH2000000	Wagenhausen	1182CH	4871	1776	1.81351
290400	CH140100	CH1400000	Neunkirch	1792CH	2904	2436	1.80297
4100	CH010200	CH0100000	Truttikon	441CH	0041	451	1.71946
453600	CH201200	CH2000000	Basadingen-Schlattingen	1563CH	4536	1833	1.70816
454500	CH201200	CH2000000	Diessenhofen	1008CH	4545	4113	1.68217



Reaction:

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

EXERCISE GNU 22 TYCHE – 27.09.2022 17:00
Allgemeiner Alarm – Sofortmassnahmen

ÜBUNG – EXERCICE – ÜBUNG – EXERCICE – ÜBUNG – EXERCICE – ÜBUNG – EXERCICE

Eidgenössisches Departement für Verteidigung, Bevölkerungsschutz und Sport VBS
Bundesamt für Bevölkerungsschutz BABS
Nationale Alarmzentrale

Zone 2 (Sektoren):

1

Weitere Gebiete (betroffene Kantone):

SH, TG, ZH

Zone 1	Zone 2	Weitere Gebiete	Sofortmassnahme(n)
X	X	X	Vorbereitung: Geschützter Aufenthalt im Haus, Bereitstellung Iod-Tabletten

Weitere Massnahme(n)

Zone 1

Zone 2

Weitere Gebiete

Ernte- und Weideverbot

Einstellung Wasserentnahme





Regular and post-event controls

