ELF project results

Presentation to: Extraordinary GA

By: Antti Jakobsson

Date: 10th May 2016

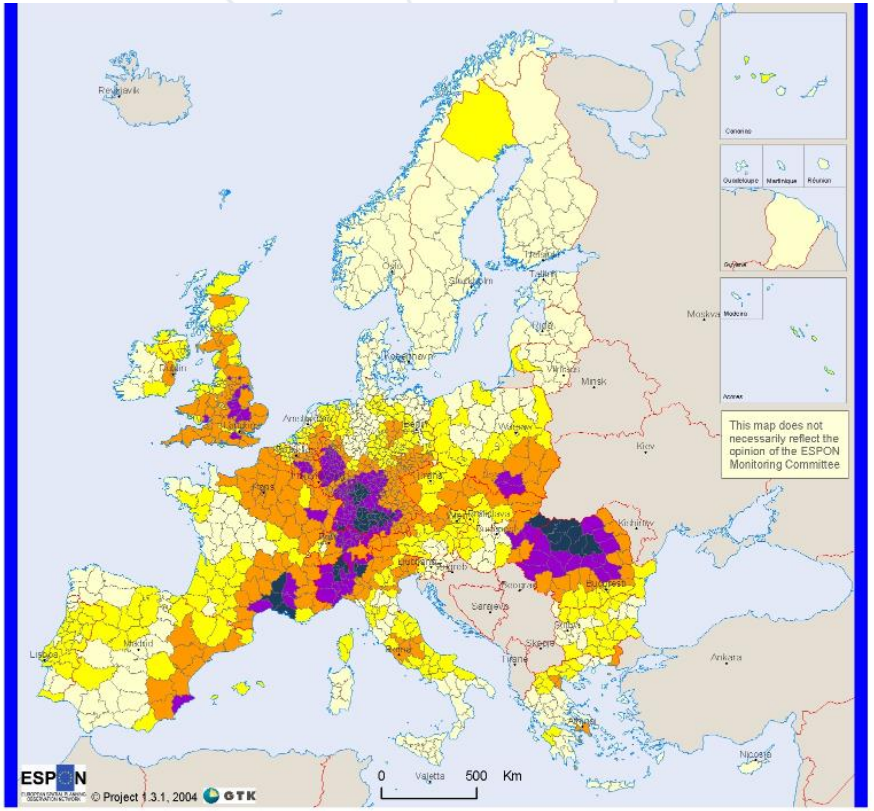
Why ELF?

- Emergency does not respect borders
- Geography does not stop in borders
- Key aspects

★ **Harmonisation/common spec**

★ **Quality**

★ **Availability, Access, Authorization**



Flood recurrence in Europe

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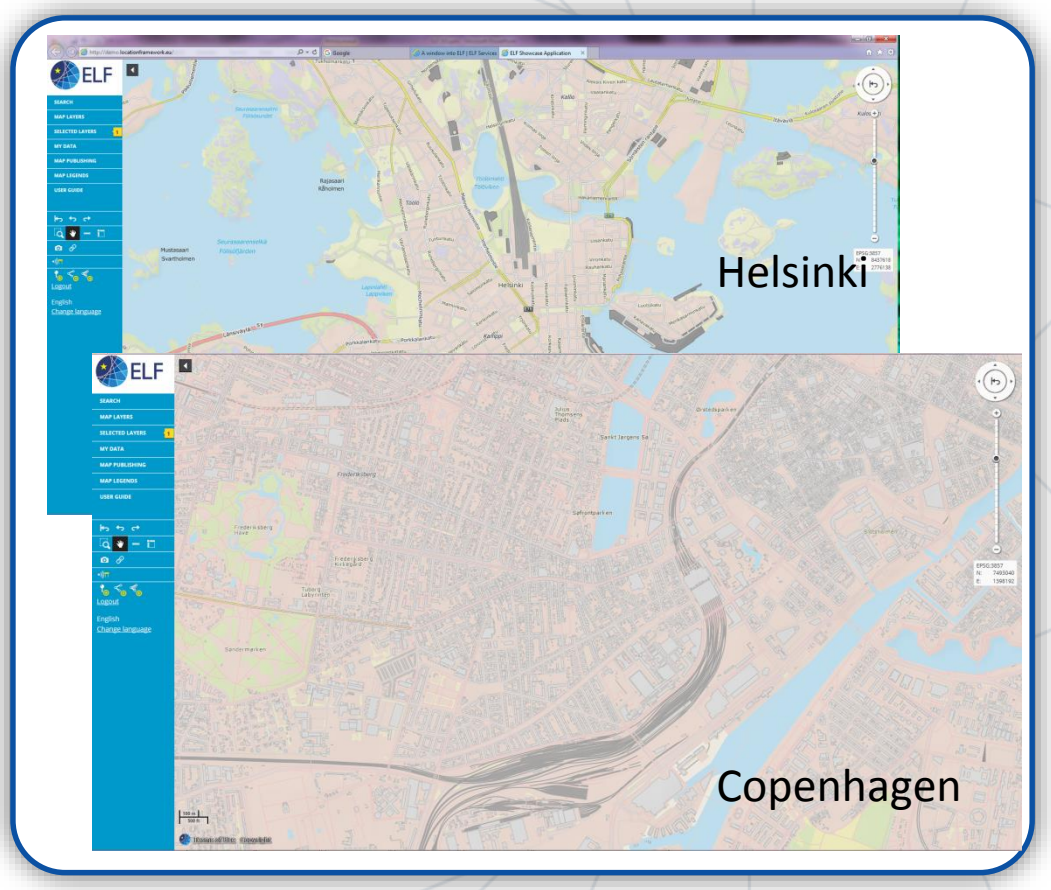
Why ELF?

- Business on the Web assumes data availability
- It is an example of platform economy

A platform business can be defined as a medium which lets others connect to it.

(Facebook, etc.)



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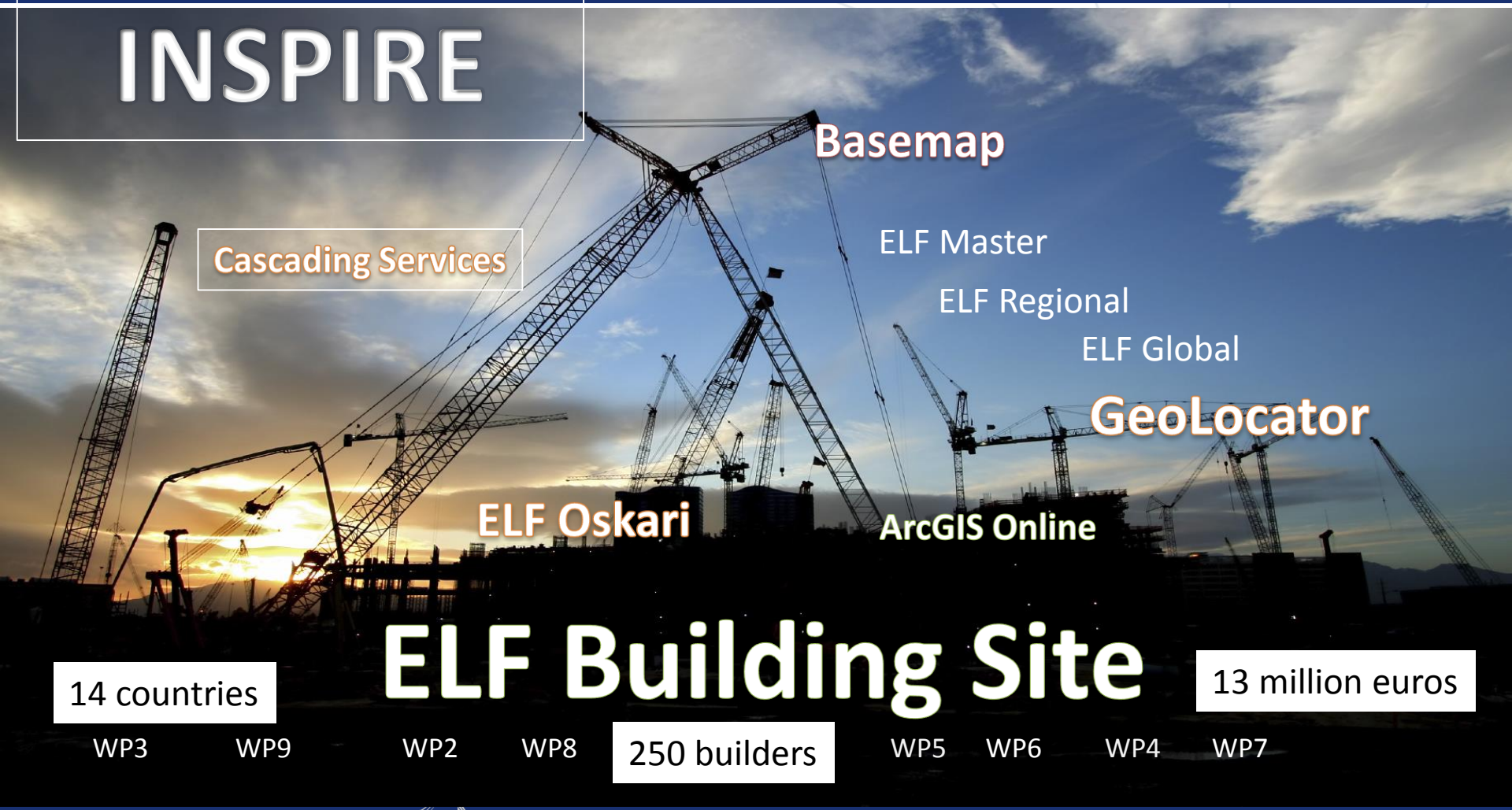
ELF EUROPEAN LOCATION FRAMEWORK



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ELF EUROPEAN LOCATION FRAMEWORK

6 MONTHS TO GO

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ELF delivers now the INSPIRE promise!

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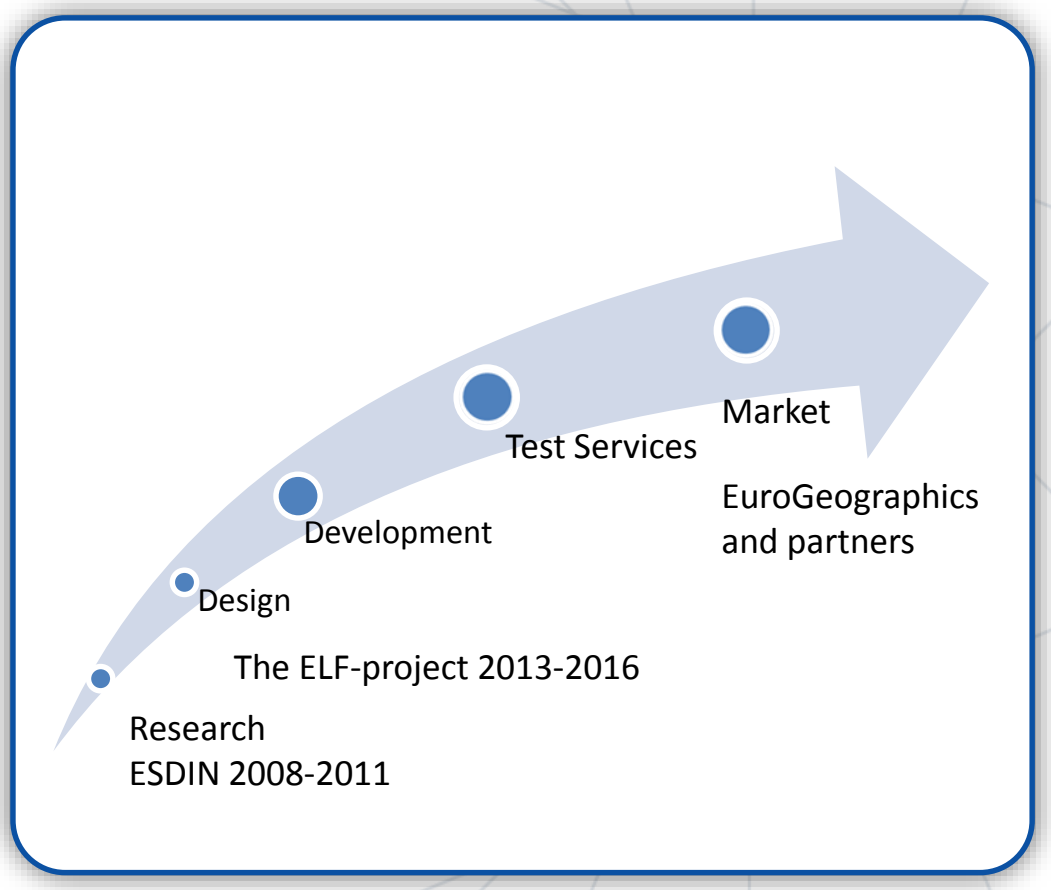
EUROPEAN LOCATION FRAMEWORK

ELF is providing reference data services!

- **All key ELF products will be available for testing in May.**
- **As ELF is providing reference data there is a need to develop end-products/services together with partners & application developers**



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What ELF is not

- Currently it is not designed to sell datasets covering large areas like Europe/ country – it is providing access to these through services
- Why not datasets -> it is rather difficult to manage them, long delays in publishing, needs central production which is difficult from the European perspective
- It is not creating a portal -> we are targeting to provide real usable services to applications -> showcase application is a showcase!
- It is not dependent on ArcGIS Online/Cloud implementation – it is one commercial way to utilize ELF – other are welcome
- It is not targeted to replace Google Maps/Bing Maps -> it is choice for those needing our data, Google is welcome to utilize ELF

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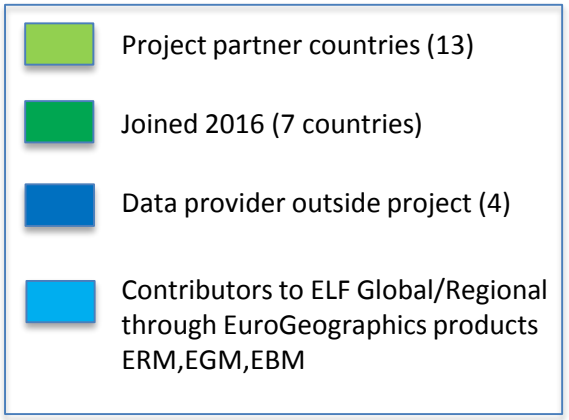
Main advancements in Year 3

- Final specifications now available
- Testing of the services
- National Services now available (32->60)
- ELF Platform operational and secure
- Tools ready implementation in progress
- User testing is starting
- Apps progressing and Engagement activities planned
- 3rd Party investigations and activities

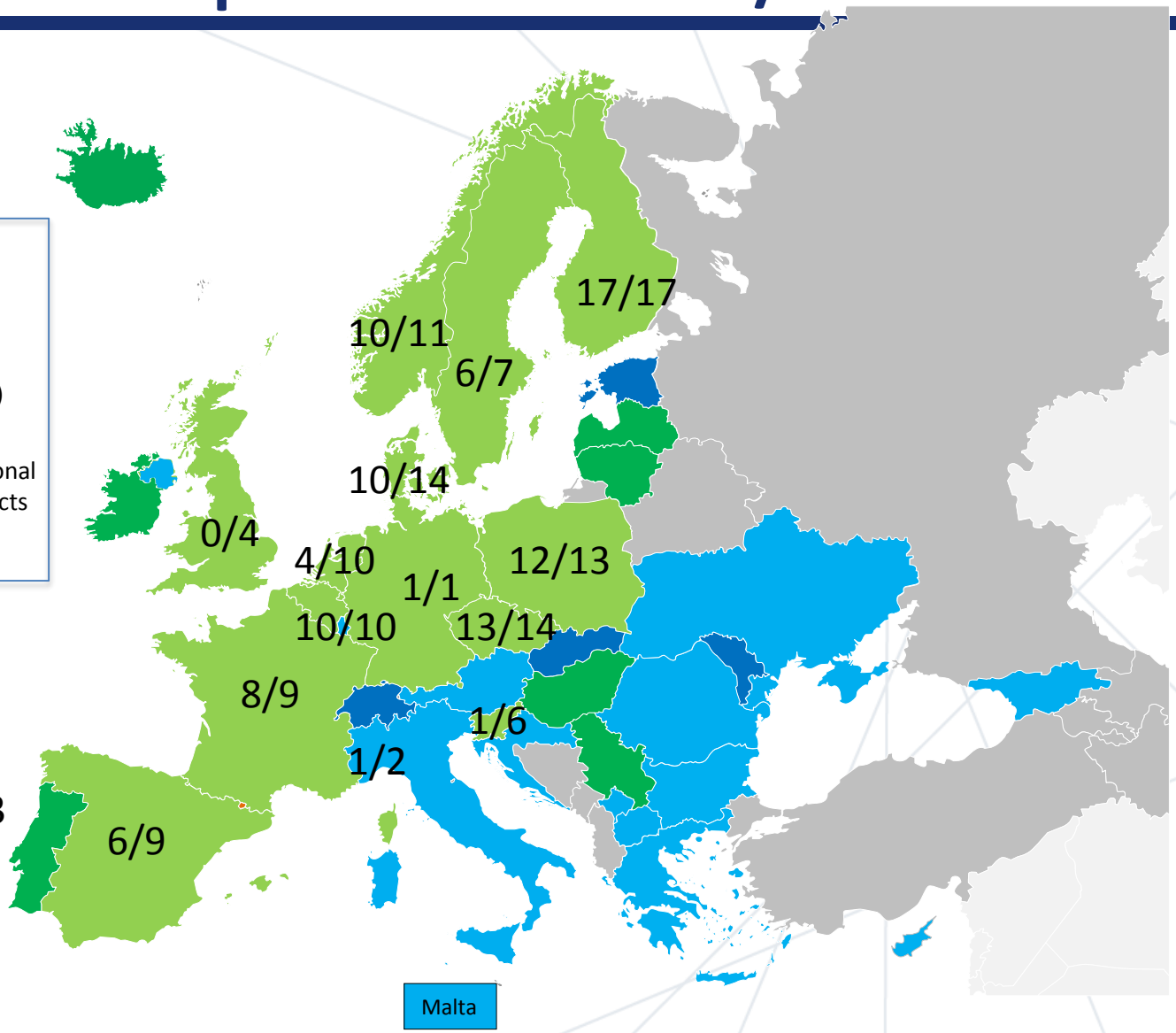
ELF data providers in 2016/7

99/126=78%
99/221=45%



x/n Number of themes
Available April 2016/
Promised themes

96 feature types INSPIRE v3
(SP,NL,PO,NL,BE,CZ)
106 feature types
ELF1.0/INSPIRE v4
(FI,NO,FR,SE,SP,DK)



Some key ELF Products

- ELF Topographic Basemap
  - ★ **WMTS**
- ELF Administrative Basemap
  - ★ **WMS using EuroBoundaryMap**
- ELF Cadastral Index Map
  - ★ **Cascading WMS using CP, BU, AD and AU**
- ELF Geo Locator
  - ★ **Geo-referencing API using GN, AD and AU**
- Download Services available as national WFSs and cascading WFSs
  - ★ **AD, AU, BU, CP, EL, GN, HY, LC, PS, SR and TN road, rail, water, air and cable**
  - ★ **Regional and Global data available and supported by WMS as well**

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Data Content by themes and Level of Detail

EuroGeographics EBM/ERM and EGM

MASTER LoD0	Master LoD1/2	REGIONAL	GLOBAL
Cadastral Parcels (CP) 7/8	Administrative Units (AU) 9/11	Administrative Units (AU): AU & NUTS	Administrative Units (AU)
Addresses (AD) 7/8	Hydro graphy (HY) 7/12	Hydrography (HY): HY & SR	Hydrography (HY): HY & SR
	Sea Regions (SR) 1/2		
	Transport Networks (TN) 7/10	Transport Networks (TN)	Transport Networks (TN)
Geographical Names (GN)	Geo graphical Names (GN) 6/12	Geographical Names (GN): GN & POP	Geographical Names (GN): GN & POP
Elevation (EL)	Elevation (EL) 2/5	Elevation (EL)	Elevation (EL)
	Land Cover (LC) 6/6	Land Cover (LC): POP & VEG	Land Cover (LC): POP
Buildings (BU)	Buildings (BU) 5/6	Buildings (BU)	
	Protected Sites (PS) 1/2	Protected Sites (PS)	
		Miscellaneous (MISC)	

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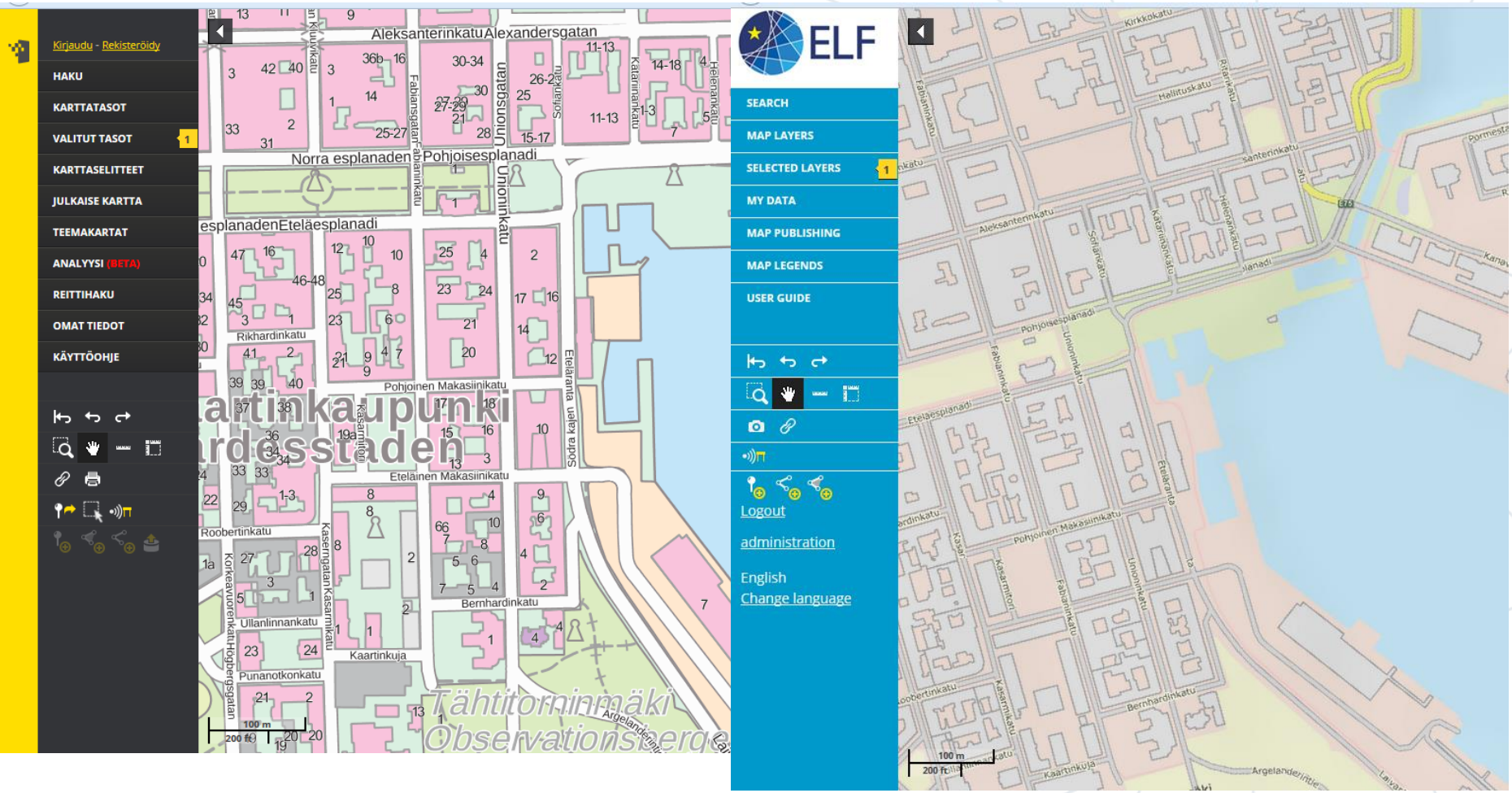
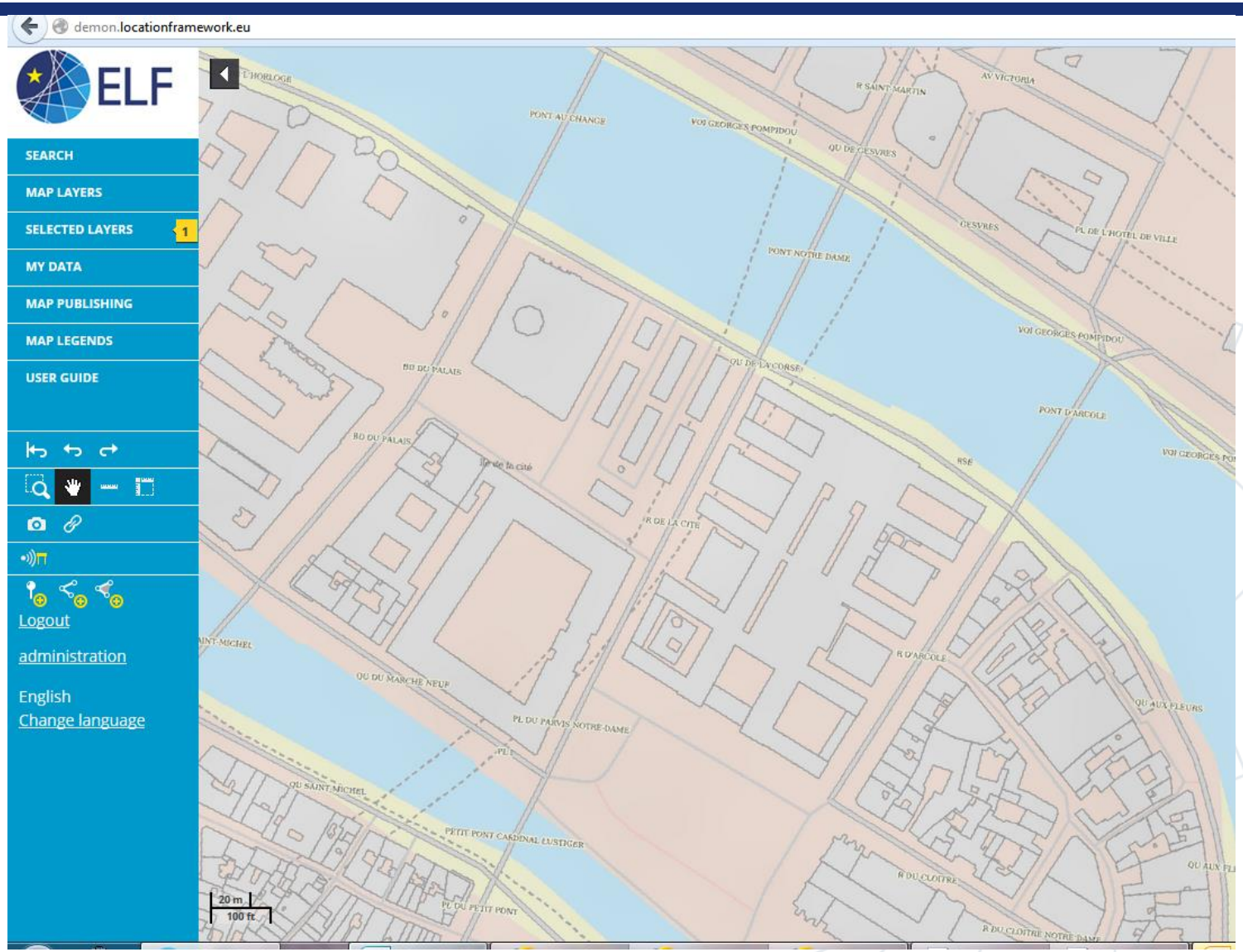
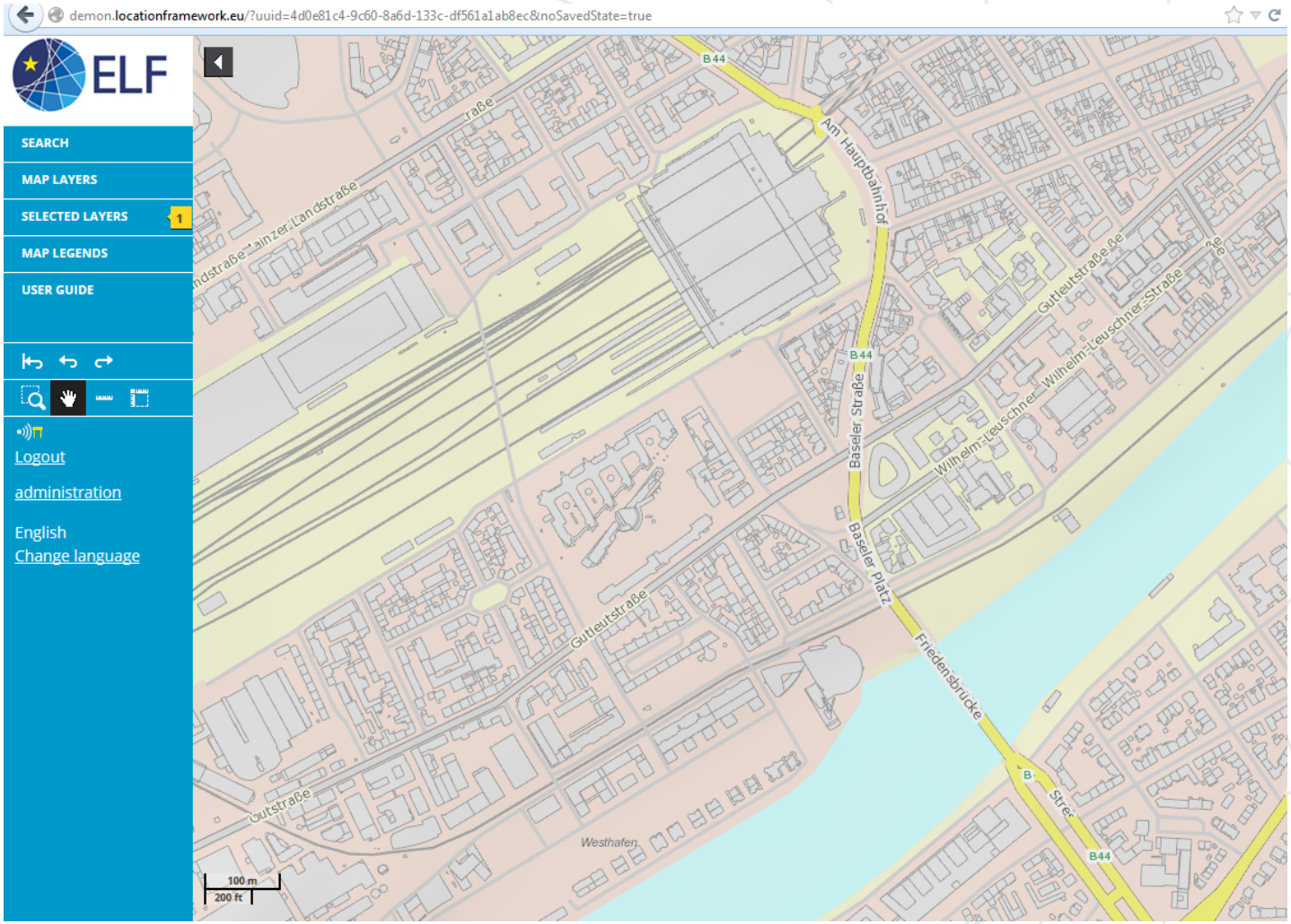
ELF Topographic Basemap (two projections)

Now detailed topographic levels available

10 countries
Finland
Sweden
Norway
Denmark
Belgium
France
Chech Rep.
Poland
Netherlands
Germany
(GB,Slovenia, Spain soon)


Kirjaudu - Rekisteröidy
HAKU
KARTTATASOT
VALITUT TASOT 1
KARTTASELITTEET
JjulkaiseKARTTA
TEEMAKARTAT
ANALYYSI (BETA)
REITTIHAKU
OMAT TIEDOT
KÄYTTÖOHJE
Aleksanterinkatu Alexandersgatan
Norra esplanaden Pohjoisesplanadi
Eteläesplanadi
Pohjoinen Makasiinikatu
Eteläinen Makasiinikatu
Rikhardinkatu
Roobertinkatu
Ullanlinnankatu
Punanotkonkatu
Bernhardinkatu
Kaartinkuja
Unioninkatu
Fabianinkatu
Kasarmikatu
Tähtitorninmäki
Observationsberget
100 m
200 ft
ELF
SEARCH
MAP LAYERS
SELECTED LAYERS 1
MY DATA
MAP PUBLISHING
MAP LEGENDS
USER GUIDE
Logout
administration
English
Change language


demon.locationframework.eu
ELF
SEARCH
MAP LAYERS
SELECTED LAYERS
1
MY DATA
MAP PUBLISHING
MAP LEGENDS
USER GUIDE
Logout
administration
English
Change language
PONT AU CHANGE
VOI GEORGES POMPIDOU
QU DE GESVRES
PONT NOTRE DAME
BD DU PALAIS
QU DE LA CORSE
PONT D'ARCOLE
R DE LA CITE
QU DU MARCHE NEUF
PL DU PARVIS NOTRE-DAME
QU SAINT-MICHEL
PETIT PONT CARDINAL LUSTIGER
PL DU PETIT PONT
R D'ARCOLE
R DU CLOITRE
20 m
100 ft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ELF
SEARCH
MAP LAYERS
SELECTED LAYERS
1
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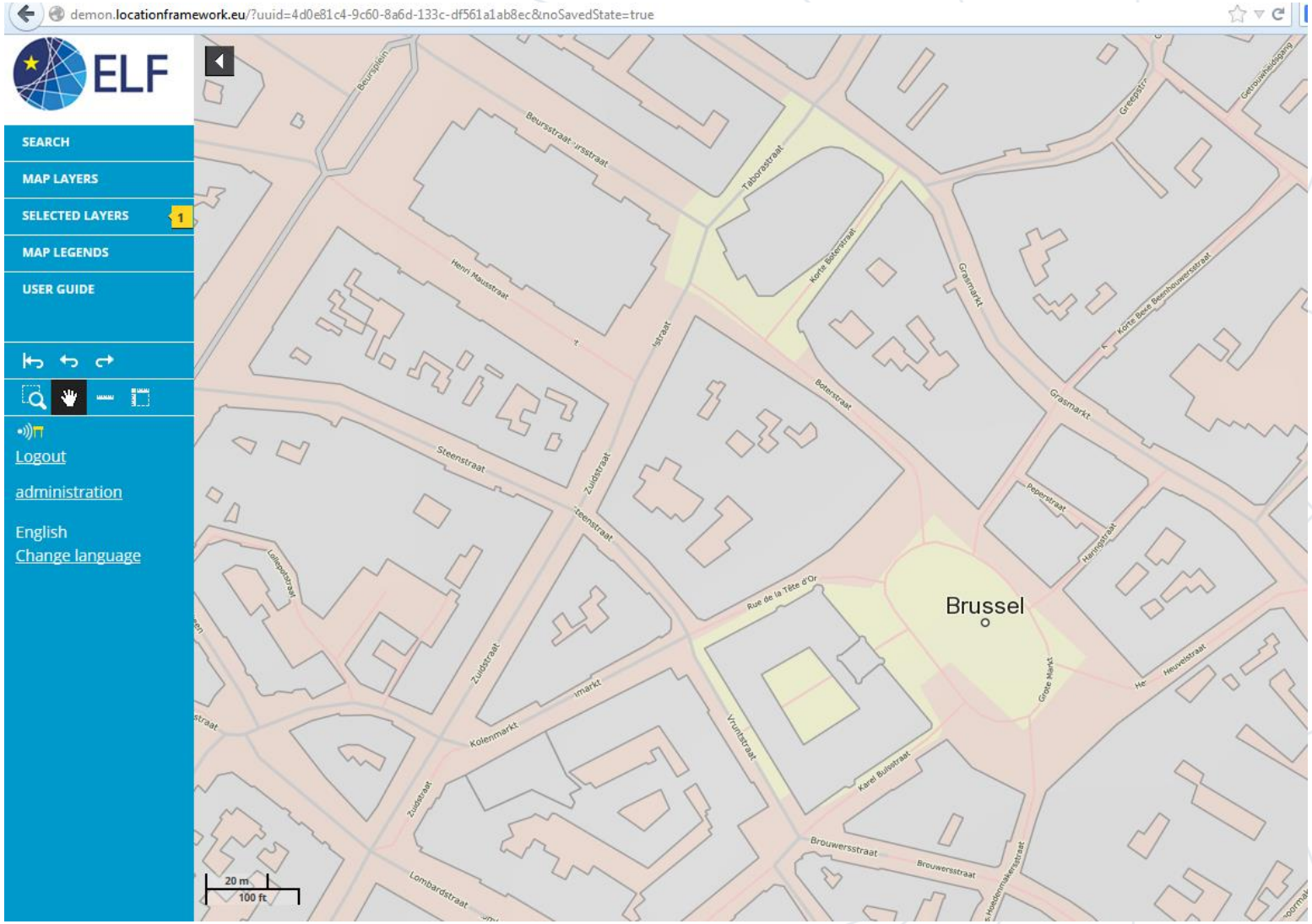
B44
Am Hauptbahnhof
Gutleutstraße
Wilhelm-Leuschner-Straße
Baseler Straße
Baseler Platz
Friedensbrücke
Westhafen
100 m
200 ft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ELF
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1
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English
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Brussel
Beursplein
Henri Maustraat
Steenstraat
Zuidstraat
Kolenmarkt
Lombardstraat
Taborastraat
Korte Boterstraat
Boterstraat
Grasmarkt
Korte Beenhouwersstraat
Peperstraat
Rue de la Tête d'Or
Vronkstraat
Karel Buloxtraat
Brouwersstraat
Grote Markt
Heuvelstraat
20 m
100 ft

Cadastral Index Map

6 countries

Finland

Norway

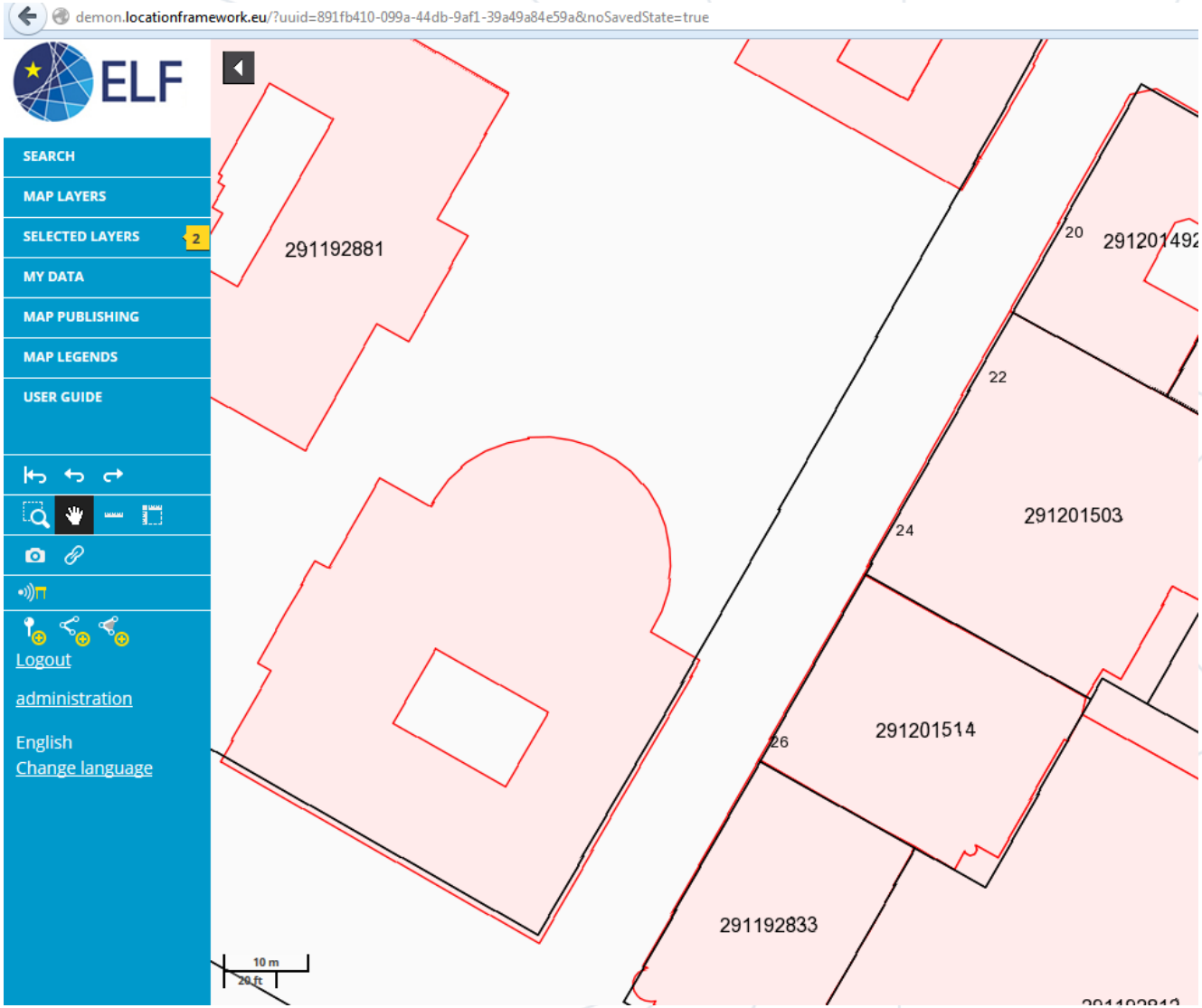
Poland

Czech

Slovenia

Spain

(Denmark, Netherlands,GB Working)

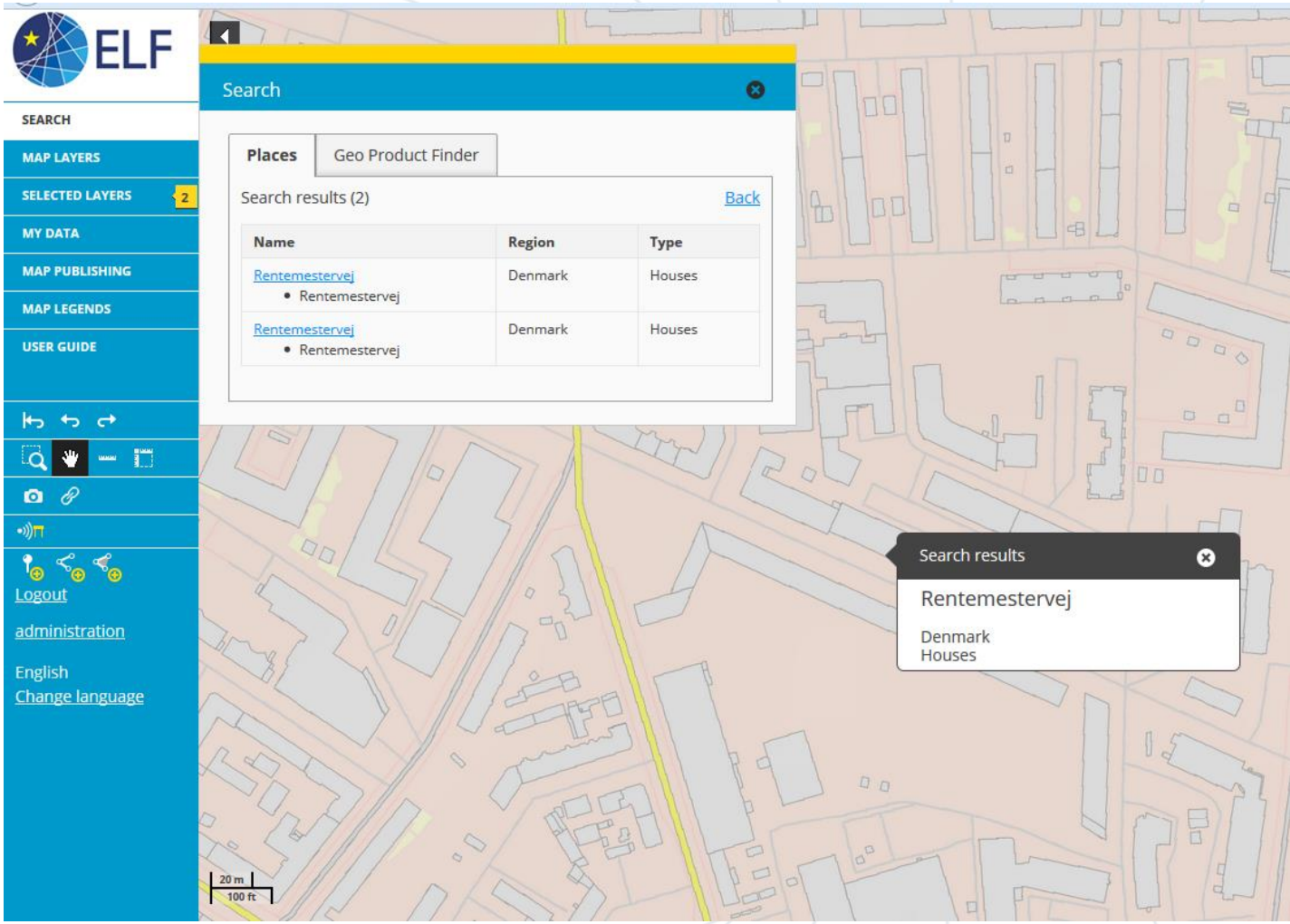


Geolocator

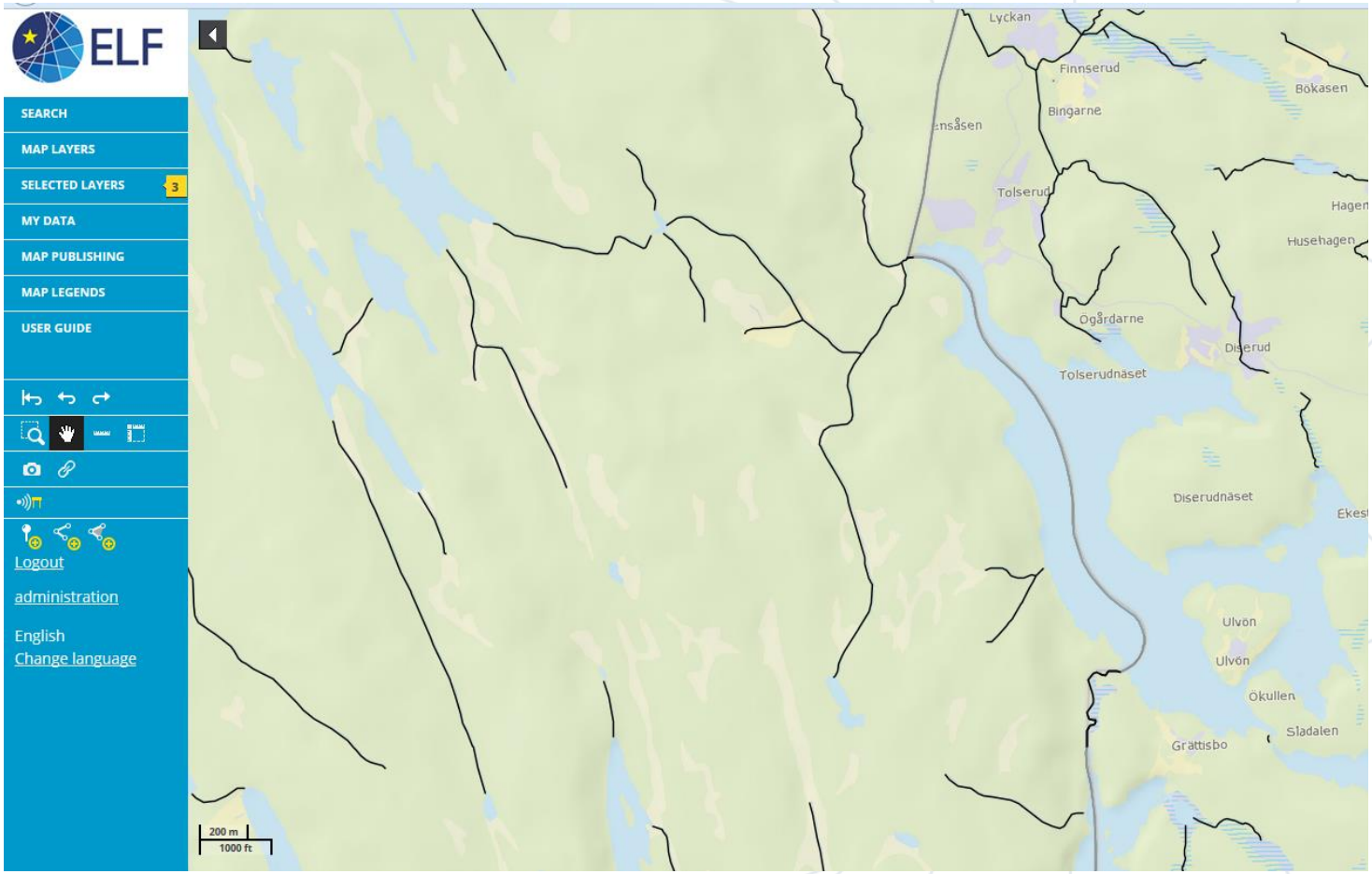
GN

AD

AU



Download


ELF
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Lyckan
Finnserud
Bingarne
Tolserud
Ogårdarne
Diserud
Tolserudnäset
Diserudnäset
Ulvön
Ulvön
Ökullen
Grättisbo
Sladalen
Husehagen
200 m
1000 ft

Service provision

June 2014	Oct 2015	May 2016	Sep 2016	Oct 2016
First pre-Operational Launch www.locationframe.eu	New version of the showcase app Test phase started www.locationframe.eu	Alpha phase start National Awareness tours	Beta phase start ELF Innovation award INSPIRE Conference (final results)	Transitional organisation start Market Phase with partners

ELF

Enabling access to Authoritative Reference Data

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