EUROPEAN LOCATION FRAMEWORK (E.L.F.): BRINGING HARMONIZED GEOSPATIAL REFERENCE DATA TOGETHER

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What is EuroGeographics?

- A not-for-profit international association under Belgium law (AISBL)
- 56 national mapping, land registry and cadastral agencies in 45 European Countries
- Working to bring interoperable European geospatial reference data for the benefit of society
- A distributed head-office of 10 people
- Experience in making interoperable datasets for 20 years
Why we need the European Location Framework

**Today**
- Access to NSDI data is mostly national
- Only global players provide easy access to geographic data
- NSDI data is not used for the European policy decision making
- Use of INSPIRE data services is ?
- Common tools not co-ordinated (Quality, Generalization, Edge-matching, Change management, Visualization)

**After**
- Access possible for National, European and Global use (E.L.F platform)
- SME applications easy to connect
- NSDI data is used for European policy decision making
- INSPIRE services utilized
- Common tools (in the cloud)
The European Location Framework is a technical infrastructure which delivers authoritative, interoperable, cross-border geospatial reference data for analysing and understanding information connected to places and features.

EU Location Framework will provide the political/policy context to the E.L.F.

BASED ON BEST PRACTICES OF NATIONAL MAPPING AND CADASTRAL AGENCIES, INDUSTRY AND ACADEMIA
• Policy drivers
  • eGovernment (Programme on interoperability solutions for European public administrations, ISA)
  • Digital Agenda
  • INSPIRE
  • GMES, SEIS
  • PSI
  • International (UNGGIM, GEOSS)

Source: EuroGeographics
IT IS LOCATION – WHERE THINGS ARE?

Locating and geocoding through coordinates, geographical names and addresses (Geolocator)
Unique Indetifying of the geographical objects, Linked Data
FROM GLOBAL TO REGIONAL – CONSISTENT INFORMATION AT ALL LEVELS

Management of Generalization, UIDs, Quality, Change and Visualization
FROM REGIONAL...- DECISION MAKING AT EUROPEAN LEVEL

Connection to the thematic sources, UIDs, Change Management
TO NATIONAL... - AUTHORITATIVE SOURCES

Change management, Specifications, NSDIs

Source: IGN Belgium
Reference data and services are part of the solution!

- NMCAs
- Other governmental agencies
- Private industry
- Cartographic industry
- EO

Reference data and services

Additional and Thematic data

Web companies

GIS industry

"the Cloud"

Service Integration

User Application

Meeting the user requirement

USERS
Resolution and Level of Details

Scale

1:2,500,000 → Target level of detail
1:1,000,000
1,500,000
1,250,000
1,100,000
1,50,000
1:25,000
1:10,000
1:5,000
1:2,500

Global

Level of details

Europe Regional

National Local

Urban

Rural

Mountainous

Resolution and Level of Details
Content and Services

- E.L.F Global and Regional (EuroRegionalMap, EuroGlobalMap)
- E.L.F Admin Regional (EuroBoundaryMap) and National
- E.L.F international boundaries for edge-matching
- E.L.F Raster Basemap Service (Regional to National)
- E.L.F Cadastral (Regional and National)
- E.L.F Geolocator (names, address and admin)
- E.L.F Hydro, Transport, Buildings
The planned E.L.F. coverage at **Europe Regional** and **Global** level

- **Not available**
- **Available 2011-2014**
- **Admin available 2011-2014**
- **Admin, EGM available 2011-2014**
- **Availability to be agreed**

**Note:**
Administrative theme covers the whole territory of France (including overseas areas), Denmark (including Greenland and Faroe Islands)
IT IS A FRAMEWORK THAT MAKES EUROPE UNITED BY GEOINFORMATION

EDGE-MATCHED AT NATIONAL BOUNDARY, QUALITY CHECKED, IDENTIFIABLE, MULTI-LEVEL GEOSPATIAL REFERENCE INFORMATION DISCOVER- LICENSE-AUTHENTICATION-ACCESS
IT IS PROVIDED BY NATIONAL MAPPING AND CADASTRAL AGENCIES OF EUROPE THROUGH EUROGEOGRAPHICS AND SUPPORTED BY INDUSTRY
WANT TO HELP US MAKE IT HAPPEN?
JOIN THE E.L.F COMMUNITY
Together we are stronger

Working together we can achieve much more than working apart

Thank you!