



ELF EUROPEAN
LOCATION
FRAMEWORK

Open and personal data – a national and European view

Presentation to: INSPIRE conference workshop

By: Laila Aslesen

Date: 27th September 2016



the Competitiveness and Innovation framework Programme (CIP)
ICT Policy Support Programme (PSP) Call 6 Grant 325140

EUROPEAN LOCATION FRAMEWORK

Outline of presentation

- **The Norway case**
 - ★ **Case: Seeiendom.no**
 - ★ **Open data with personal data aspects (topographical)**
 - ★ **Paid for data with personal data aspects (cadastral)**
- **The ELF case**
 - ★ **Case: Cadastral Index Map**
 - ★ **Combining personal data from different jurisdictions**
 - ★ **Paid versus open data**



Seeinendom.no – cadastral and topographical

- www.seeinendom.no
 - ★ Cadastral parcels, addresses and topographic information
 - ★ Physical information
 - ★ Cadastral number
 - ★ Area (m²/m³)
 - ★ Property boundaries coordinates
 - ★ Cultural heritage
 - ★ Polluted areas
 - ★ Unique building number
 - ★ Land registry data requires logon, but free of charge
 - ★ Authorised land registry information requires payment
- API access to cadastral and land registry data are paid for
 - ★ Free for public use



Personal data issues

- In Norway, politician has done a good job of defining what is not to be treated as personal data, despite being defined as such in the directive
- Addresses are not personal data
 - ★ Only the names of the people living there
- Cadastral information is open data
 - ★ Except information about persons
- Land registry is open data
 - ★ Including information about persons
- Topographic mapping and imagery is not personal data



INSPIRE issues

- None, really
- All INSPIRE data (Annex I, II and III) are not treated as personal data
- Most of it is open data
 - ★ Exception is cadastral parcels and detailed topographical information
- Thanks to Norway digital, we had a lot of the infrastructure in place already



INSPIRE Art 17 on Data Sharing



- **Each Member State shall adopt measures for the sharing of spatial data sets and services between its public authorities**
 - ★ Same arrangement for public authorities of other MS and the institutions and bodies of the Community (CIB)
 - ★ National payment regulation to be respected
 - ★ Regulation on use of contractors, metadata and response time
- **More and more public and private use requires a cross border datasets**
 - ★ ELF set out to test how INSPIRE could facilitate this

ELF is ...

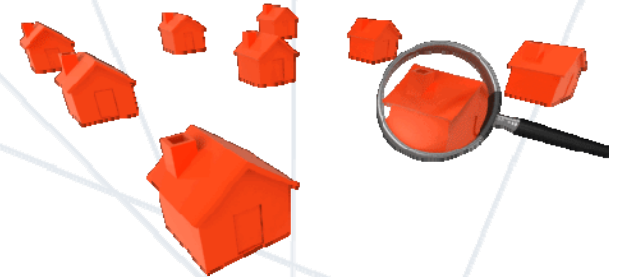
- ...the response from the European Mapping and Cadastral Authorities (NMCAs) to requirements at the European arena
- ... a 44 month project co-financed by the European Commission and comprising 40 partners, including 23 NMCAs
- ... running from March 2013 to October 2016



The overall objectives of ELF (when fully developed)

- **Be a unique online service for Europe that offers the only geospatial products which are**
 - ★ **Coherent, official, cross-border, edge-matched, harmonised, reference data from a sustainable and reliable source**
 - ★ **Up to date, easy accessible at a single point with an easy to use license and prices**
- **Increase the re-use of official public sector spatial reference information and create opportunities for the private sector**
- **In short – putting INSPIRE to use on a European scale cross border solution for topographic and cadastral data**

The ELF case



- Cadastral Index Map
- A distributed system consisting of
 - ★ National level WMS services with harmonized theme content and visualization, and with support for GetFeatureInfo request
 - ★ Using CP (cadastral parcels), BU (buildings), AD (addresses) and AU (administrative units) from National Mapping and Cadastre Authorities
 - ★ A cascading WMS facilitating the aggregation of the above services
 - ★ Various different client applications making use of the CIM service

Challenges for the CIM

- **Open data and paid data**

- ★ Will national open data policy fix it?
 - ★ Yes, if we could agree on a common license...

- **Personal data**

- ★ Many countries have see mapping and address data as anonymised data, but not all
- ★ Some consider cadastre data too important not to be openly available, but not all
- ★ Access restrictions for all or just some?
- ★ If you can't anonymise data, can you pseudomise data?
 - ★ Example: address data

