

State of play: ELF inventory

Presentation to: INSPIRE KEN workshop about transformation of themes AD, AU, BU, CP

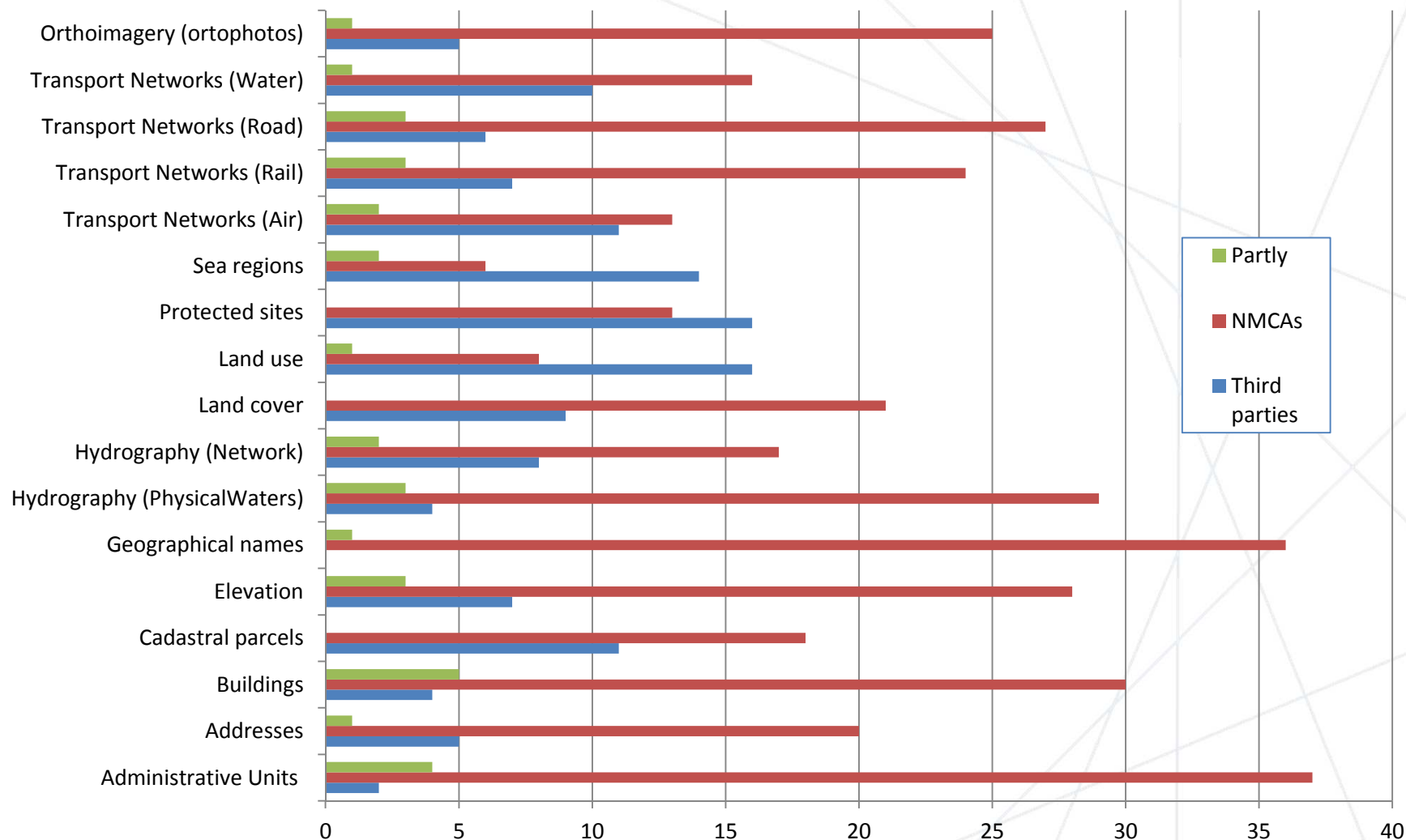
Author: and Geographical Names

Date: Saulius Urbanas, EuroGeographics

16 April 2014

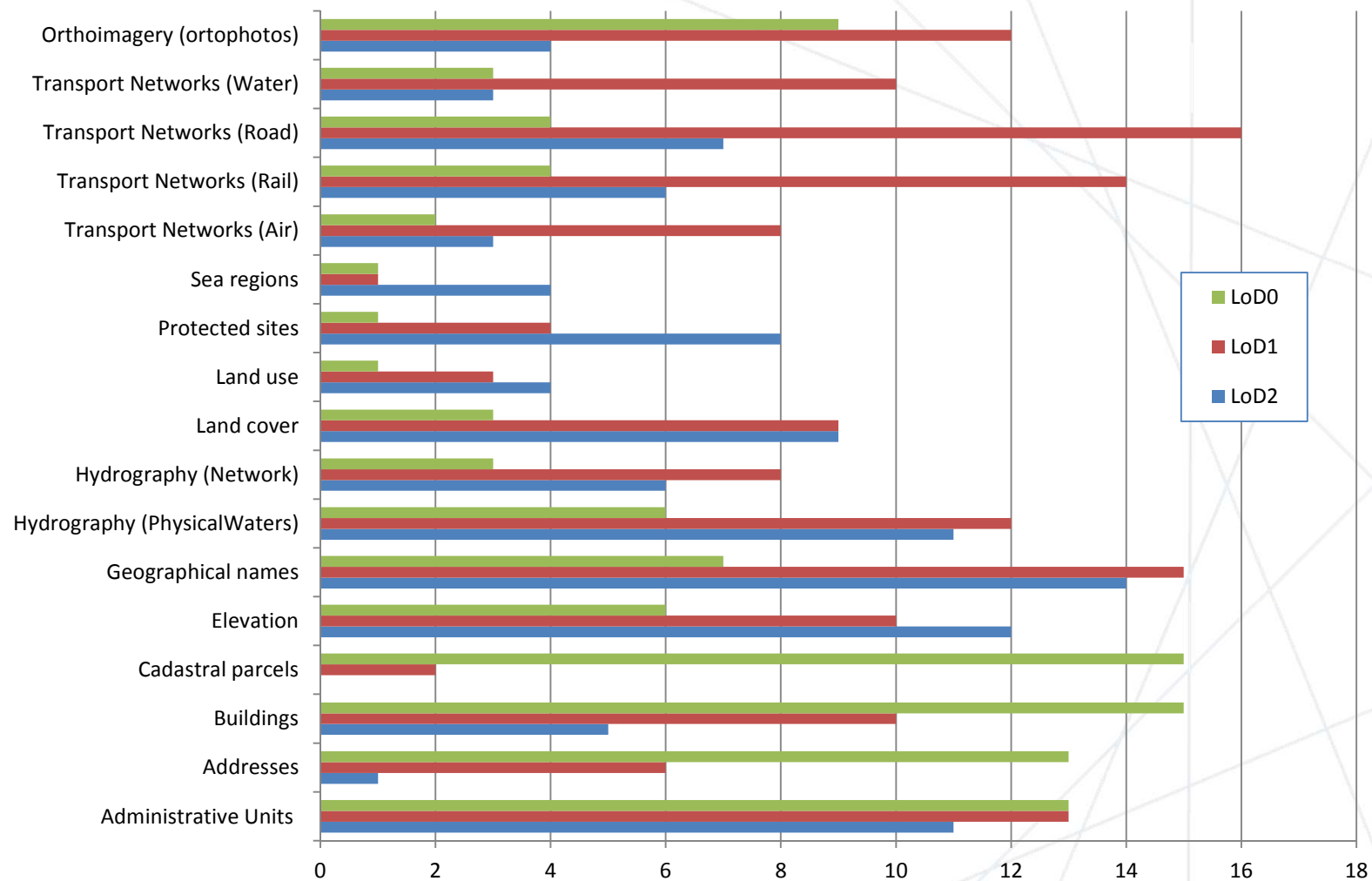
- ★ Survey on the ELF products / INSPIRE data themes, available data and webservice
- ★ Information: 29 NMCA's, 2014-2015
- ★ Non-NMCA's data content providers:
 - ★ Addresses, statistics, hazards data, Protected sites, etc
- ★ Key components of Data policy
- ★ Issues and constraints for arranging ELF webservices
 - ★ Financial, Legal, Technical, Organisational (Resources), etc.

Inventory: major themes



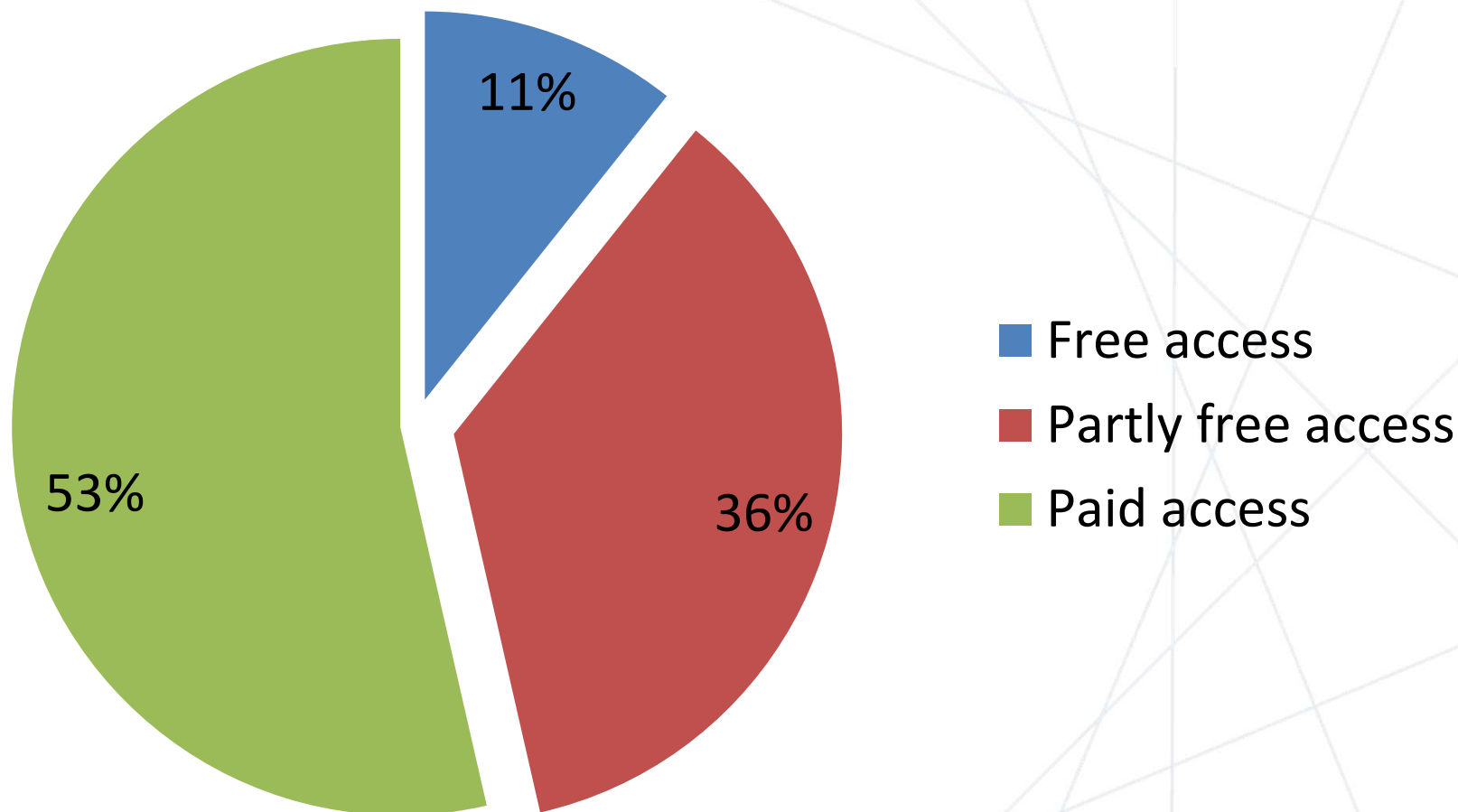
- ★ ELF Global: 1:500 000 and smaller
- ★ ELF Regional: 1:100 000 - >1:500 000
- ★ ELF Master
 - ★ Level 2 (LoD2): 1:25 000 - >1:100 000
 - ★ Level 1 (LoD1): 1:5 000 - >1:25 000
 - ★ Level 0 (LoD0): 1:5 000 and larger

Major themes by Level of Details

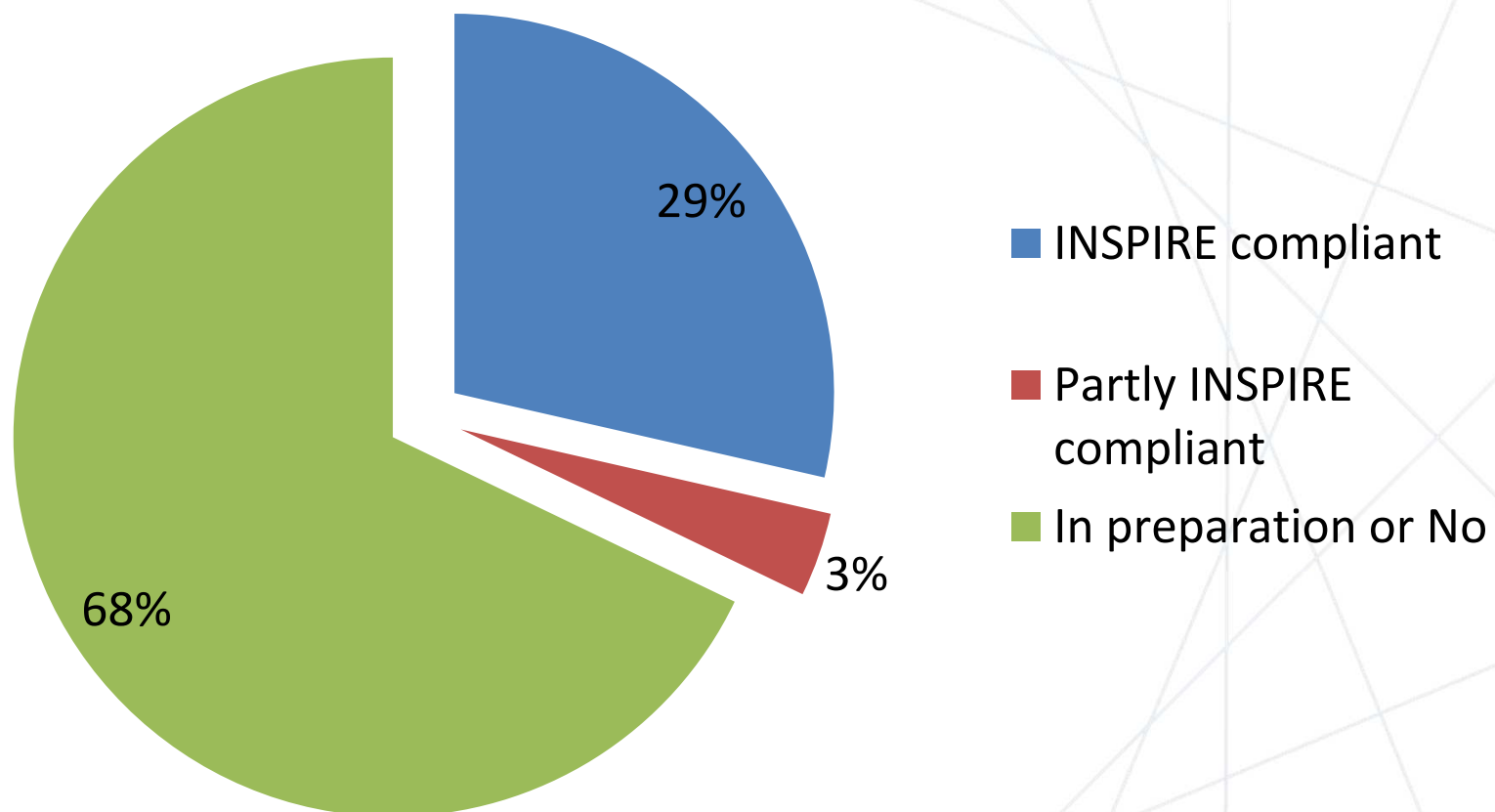


- ★ WMS in almost all cases
- ★ Some countries provide WFS, WCS, WMTS, AtomF
- ★ Third parties: Cadastral authorities in case of Mapping Authorities

Cadastral Parcels: Access conditions



Cadastral Parcels: INSPIRE compliancy



Links to Thematic data

| Theme | Linking theme |
|---|----------------------|
| Polygons of Postal codes | CP, AD |
| Socio-economic statistics | AU |
| Demography statistics | AU |
| Health statistics | AU |
| Hazards data - flood risk zones | BU, EL, AU, CP, HY |
| Hazards data - ground instability (subsidence, earthquake) | BU |
| Hazards data - windstorms | |
| Hazards data - wildfires | |
| Hazards data - crime | |
| Trees | CP, AD |
| Soil data | CP |
| Utilities and Governmental Services - hospitals, Emergency Medical Services | BU, AU, AD |
| Utilities and Governmental Services - primary and secondary schools, universities | BU, AU, GN |
| Disposal Site /Waste Pile: An area for the collecting / disposing of refuse or discarded material | CP |
| Energy resources: Power Generation, powerlines (electricity grid), pipelines (oil, gas) | BU, AD |

ELF Cadastral Parcels service (product)

view



WMS of data providers managed by cascade tools to have a harmonized and continuous vision of the whole territory.

search



Search Services to locate Cadastral parcels by its identifier or by its address.

identify



Implementation of GETFEATUREINFO to identify cadastral parcels, to know their attributes and to obtain all the associated information from the national cadastral agencies.

The main ELF Cadastre features are:

- **Cadastral Parcel:**

- This basic component represents the area of a cadastral parcel.

- **Address:**

- This component represents the position of the access point from the thoroughfare, or the entrance door or gate of the address.

- **Building:**

- This component combines the building with the building parts to represent the whole building.

- **Administrative Unit:**

- This component represents the areas of the administrative units

Optional features:

- **Cadastral Zoning:**

- This component represents intermediary areas in order to divide the national territory into cadastral parcels. Cadastral Zoning can be municipality, section, parish, district, block ,etc.

- **Cadastral Boundaries:**

- **Basic Property Units**

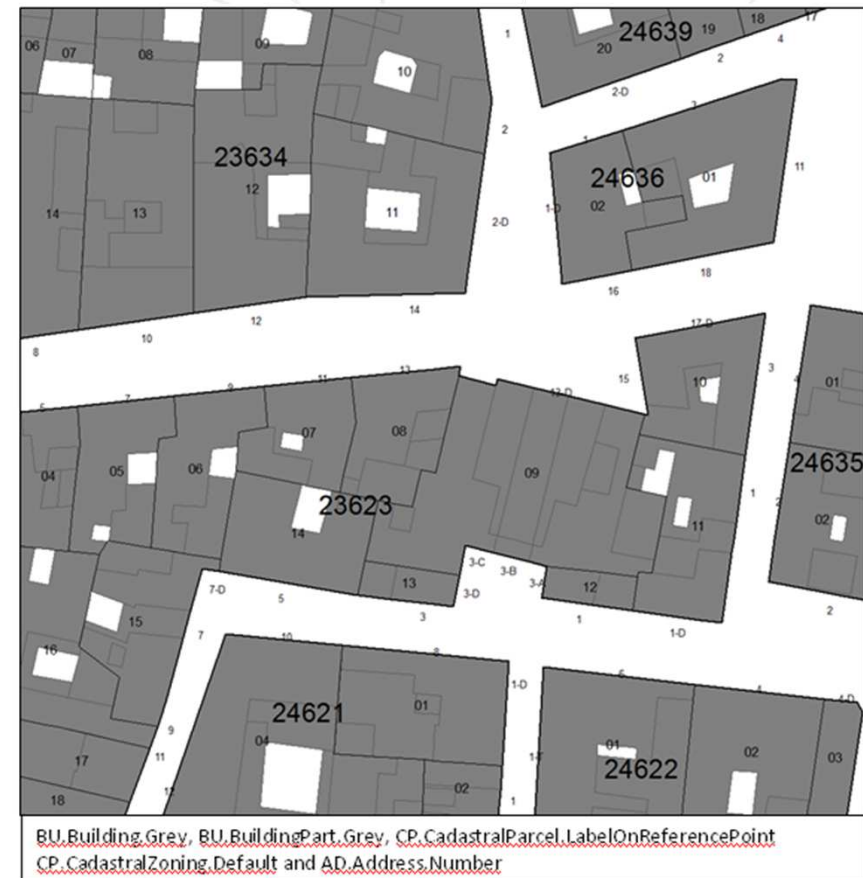
Proposed Styles for ELF Cadastre

To improve clarity and readability.

- ELF CP.CadastralParcel.LabelOnReferencePoint smaller size of the text (the default proposed in INSPIRE is a too large and sometimes the drawing is not readable.)

- ELF AD.Address will only displayed the addressNumber from the LocatorDesignatorTypeValue.

- ELF Building and building part boundary represented in grey, instead of default style of INSPIRE, to difference it from Cadastral Parcel in black.



www.elfproject.eu



ABOUT ELF

Welcome to the web site for the **European Location Framework (ELF)** project. Launched in March 2013, the project will run for three years and deliver a pan European cloud platform and web services to build on the existing work of the INSPIRE Directive and enable access to harmonised data in cross border applications.

Latest News



UPCOMING EVENTS

Joint EULIS & WPLA Event

Copenhagen, Denmark
Wednesday, May 21,
2014 to Friday, May 23,
2014

EUREF 2014 Symposium

Vilnius, Lithuania
Wednesday, June 4,