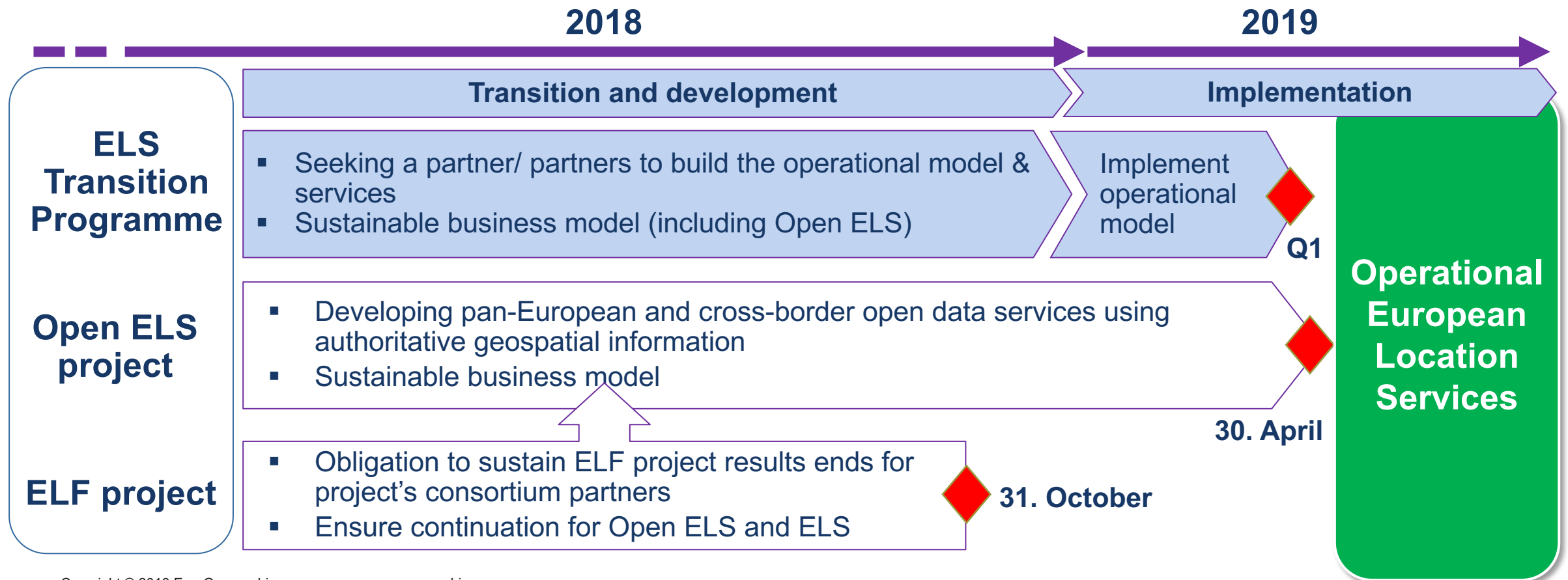# European Location Services

Overview

Overview ELS Transition Programme (Helen Kaestner)

Open Data policy 4 OpenELS (Dominik Kopczewski)

Product development – user requirements and evaluation services (Abigail Page)

Improving data content – next activities and steps (Saulius Urbanas)

Overview ELS Transition Programme

2018　　　　　　　　　　　　　　　　　**2019**

| | Transition and development | Implementation |

ELS Transition Programme

- Seeking a partner/ partners to build the operational model & services
- Sustainable business model (including Open ELS)

Implement operational model

Q1

Open ELS project

- Developing pan-European and cross-border open data services using authoritative geospatial information
- Sustainable business model

30. April

ELF project

- Obligation to sustain ELF project results ends for project's consortium partners
- Ensure continuation for Open ELS and ELS

31. October

Operational European Location Services

Why do we seek a partner?

Strategic review of Management Board

- EuroGeographics is not an operational business

- Decision to seek ideas from prospective partners about how we could organise the European Location Services

Ensure Governance and ownership

- EuroGeographics will protect our members interests
- Ownership of the operational European Location Service
- Governance by ELS Programme Board and Management Board

Approach - utilise a service partner's capabilities and experiences to build and run services

- Step 1: "Request for Information" process to determine the scope of ideas and refine requirements
- Step 2: "Request for Proposal" to decide in a competitive process on a favourite operational model and partner(s)
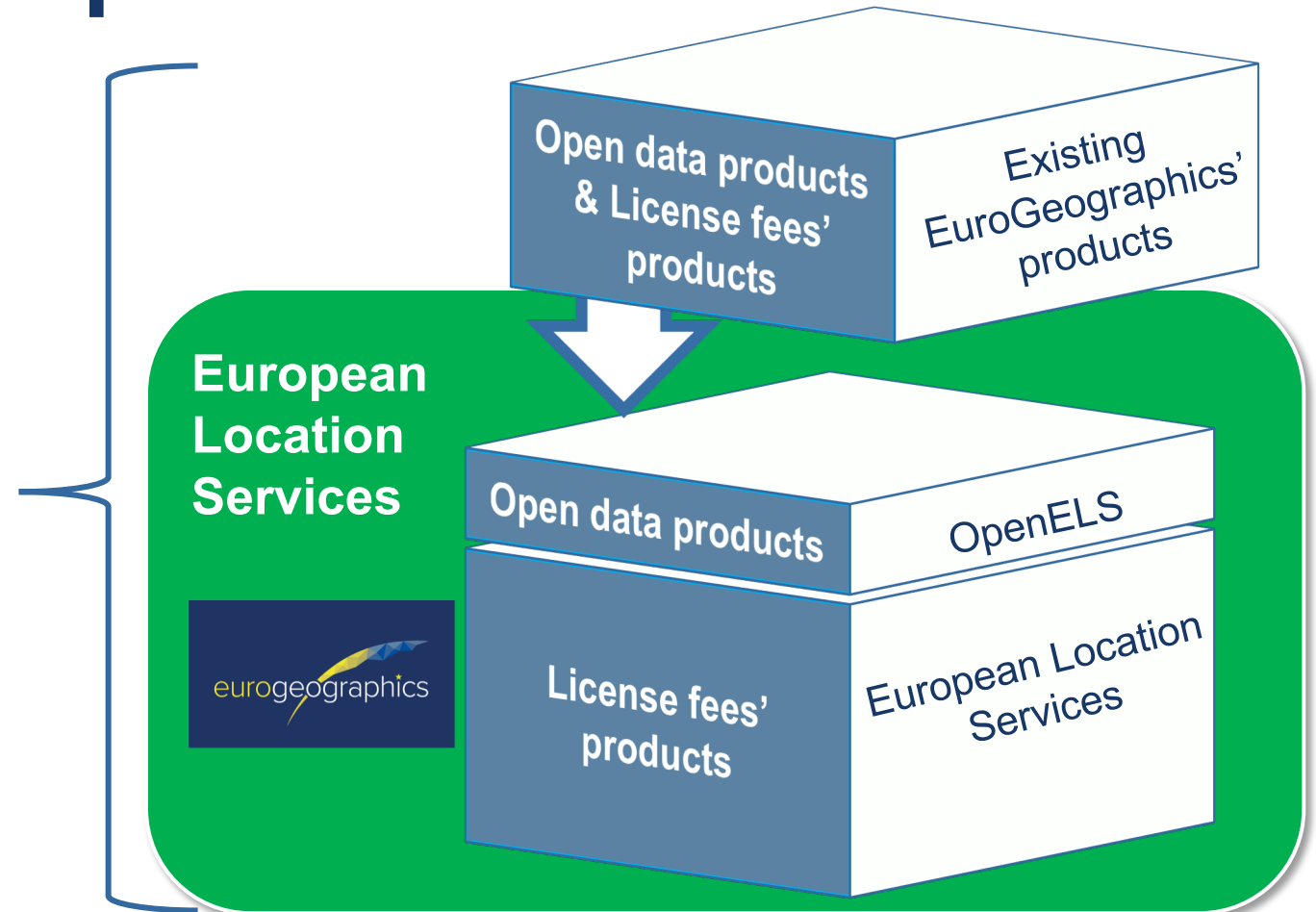- Step 3: Formalising arrangements to design, build, implement and operate ELS

ELS and the role of Open ELS

Open ELS

- Strong user demand for "open and free" services

- Continuation of our approach to provide access to authoritative data – open and not open

- Developing a strategy and positioning of open data and the relationship with ELS and existing products

European Location Services

- Uniqueness in harmonising and licensing pan-European data

- Developing objectives and pricing strategy for each individual product proposition

Open data products & License fees' products

Existing EuroGeographics' products

European Location Services

Open data products

OpenELS

eurogeographics

License fees' products

European Location Services

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EU law does not directly oblige Members States to provide data for free … but it strongly stimulates allowing access and ruse of public held data and information.

- Interoperability framework – technical standardisation

- INSPIRE - thematic specification and development of infrastructure

- COPERNICUS - reuse of space based information and authoritative information.

- **PSI (Digital Single Market) - access to public sector information (currently under review)**

But…..

Decision of the European Council on the open data policy of the Council and the reuse of Council documents 14 September 2017 where the Council making its documents available for reuse:
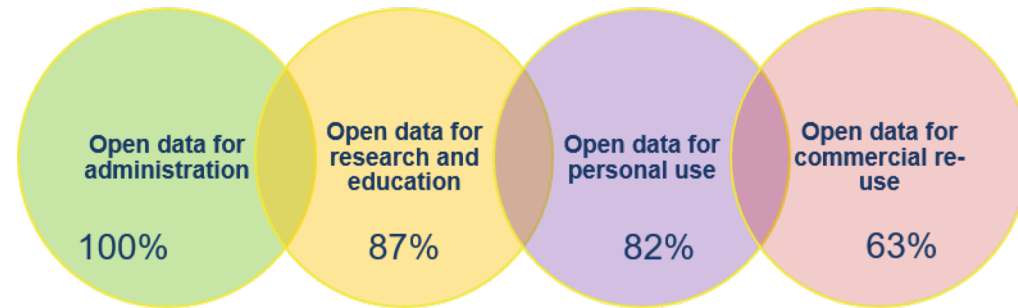
- by all;

- without the need to make an individual application;

- free of charge; and

- for commercial and non-commercial purposes.

open data charter
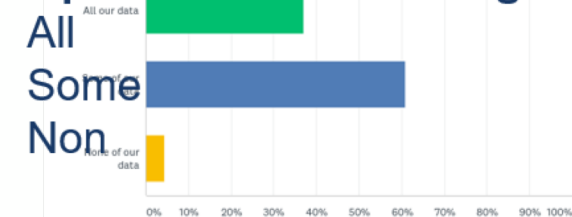
Armenia	Estonia	Ireland	Slovakia
Austria	Finland	Latvia	Spain
Bosnia and Herzegovina, Rep. Srpska	France	Lithuania	Sweden
Belgium	Georgia	Norway	Switzerland
Croatia	Germany	Poland	The Netherlands
Cyprus	Greece	Portugal	Ukraine
Czech Republic	Hungary	Rep. Macedonia	United Kingdom

32 countries

Open data for administration — **100%**

Open data for research and education — **87%**

Open data for personal use — **82%**

Open data for commercial re-use — **63%**

Bar chart categories: View, Search, Access, Download, Re-use, Derive information, Incorporate in ot..., Copy, Publish, Modify, Redistribute, Re-sell, Other (please sp...)

Malta

Open data free of charge

All — All our data
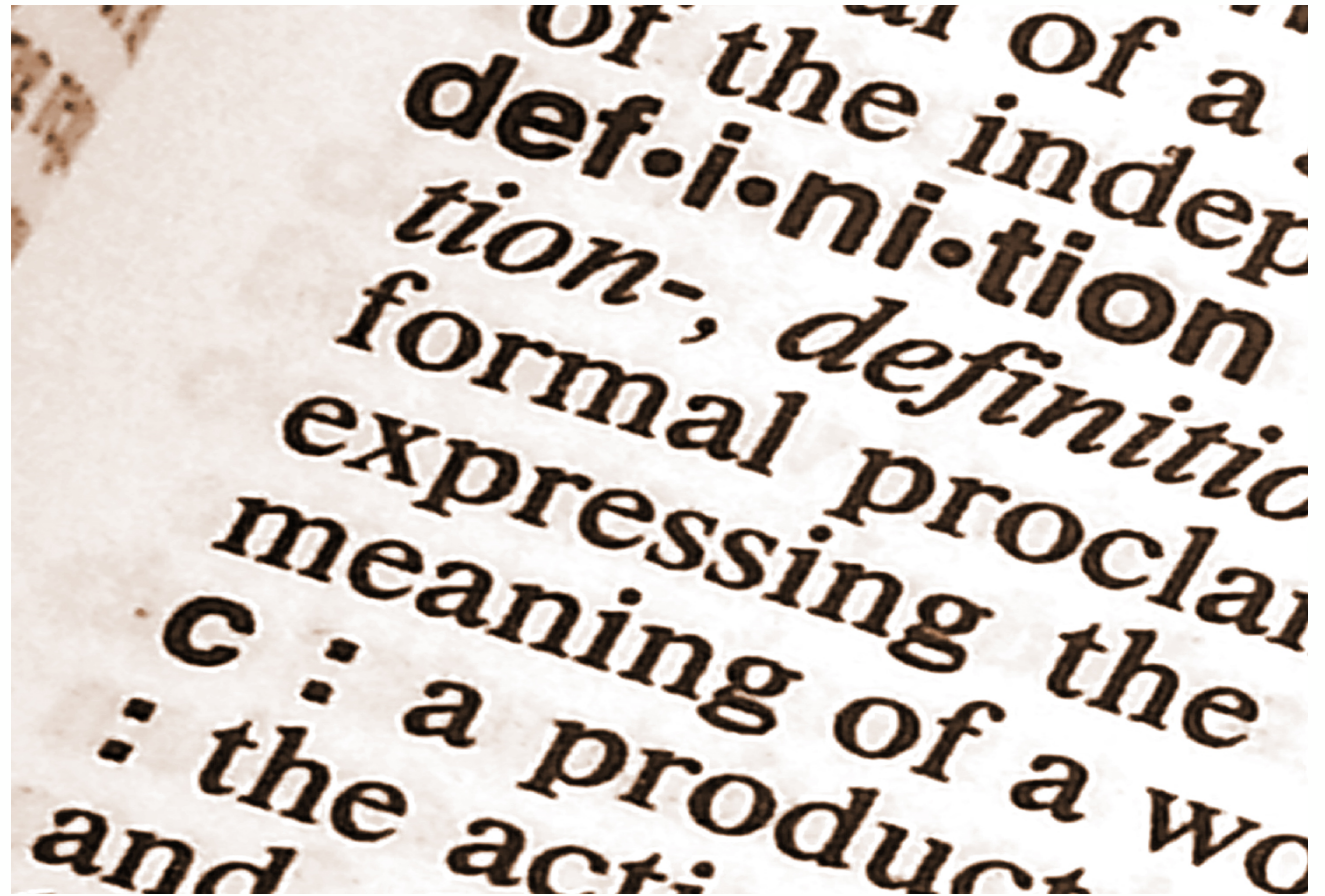Some — Some of our data
Non — None of our data
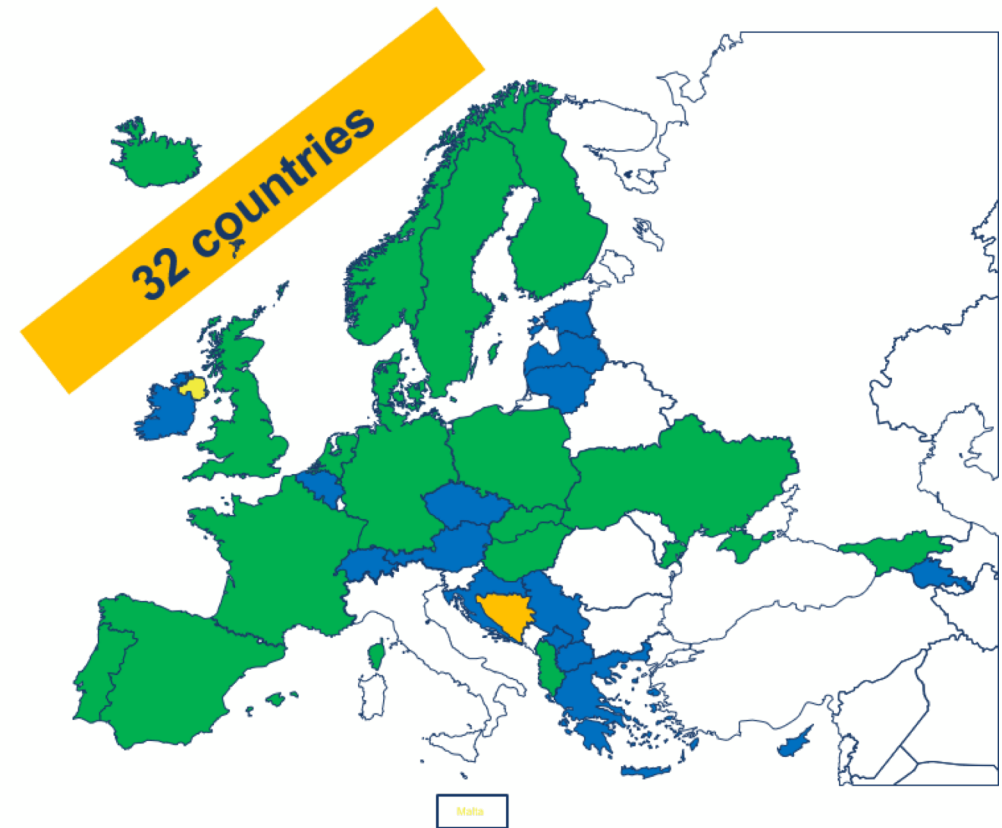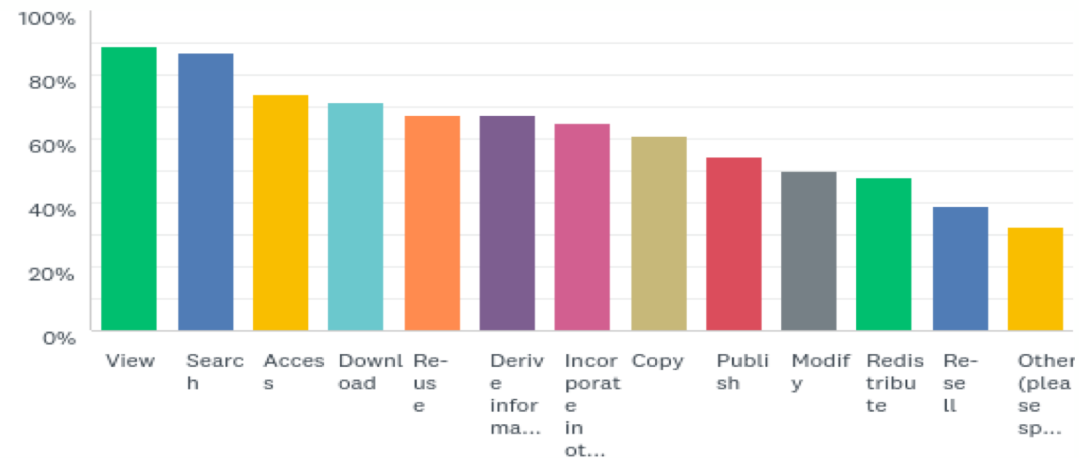
Open Data

Services

Reuse

Charges

Licensing

Open ELS will be consistent with the following principles:

Public and open
- public geospatial data maintained by the EuroGeographics and its members in the form of pan-European harmonised datasets
- data can be accessed, searched, viewed and reused free of charge

Conditions
- acknowledge the source of the data;
- not to distort the original meaning the data;
- the non-liability of the EuroGeographics for any consequence stemming from the reuse;

Timely and Comprehensive
- Data is updated as frequently as possible, described with standardised, INSPIRE metadata

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Accessible and usable

- machine-readable form and can be processed by computers, using the semantics of the data via its metadata
- access to the whole dataset
- convenient, modifiable and standardised

Comparable and Comprehensive

- developed and maintained in accordance with the published specifications with the finest possible level of granularity

For Improved Governance and Citizen Engagement

- EuroGeographics wants to provide a point of contact to assist with data use and to respond to complaints about adherence to the Open ELS data and services requirements (accordingly to availability of founding)

- It sets the definition of Open Data

- It provides a framework for establishing a licensing model.

- It applies to the geospatial pan European data and services developed and maintained by EuroGeographics AISBL Association.

- It shall not apply to data for which the EuroGeographics is not in a position to allow reuse.

- It will be subject to review at the end of the first year and at least every two years, or as deemed appropriate.
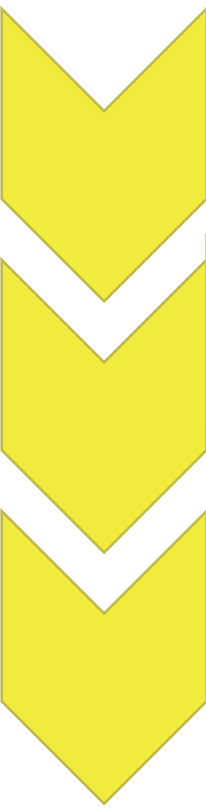
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Part of the EuroGeographics Product Journey

- EBM (1995)
- ERM (2002)
- EGM (2004)

- EGM Open Data (2013)
- *ESDIN (2008-2011) & ELF (2013-2016)**

- European Location Services
- Open European Location Services

www.eurogeographics.org

- Reviewed previous captured information (ELF and user meetings)
- Completed 9 interviews and wrote 78 user stories
- Consolidation and analysis of user stories
- User validation – did we understand correctly?

Pre-discovery — **Discovery** — **User stories** — **Analysis and validation**

www.eurogeographics.org
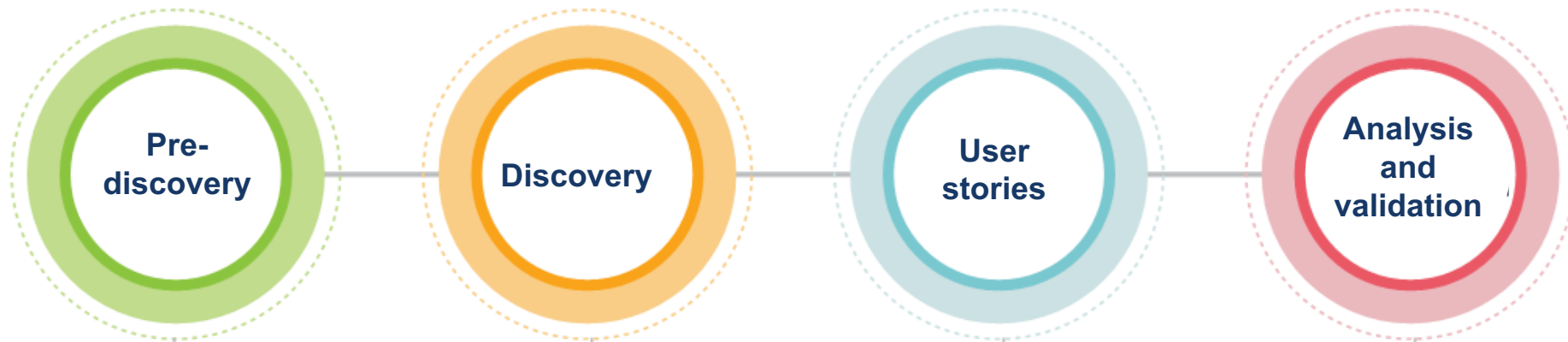
Evaluation programme

- Testing ELS against specific use cases – firstly, with European Environment Agency

- Identify further evaluations during the OpenELS programme

Communication with key users/ customers

- Support to Land Registers Interconnect Programme

- Establish Land Registers' Services stakeholder group (more information to members soon!)

- Webinars/ meetings to keep key users informed (eg DG-Move; EuroStat)

- **Engagement with software vendors to ensure tools will connect to ELS**

- **SME Engagement activity**

- **Use Case Activities**

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User Need + Data Availability (for Open) + Technically Feasible =   PRIORITY

Using Existing Content (Quick Win, Pan-European Coverage):
- EGM with NUTS3 Enhancement as a service
- Geographical Names Gazetteer

Continue to develop from ELF/ INSPIRE (Demonstrate ambition; Most detailed content):
- Cadastral Index Map
- Address Feature Service
- Buildings Feature Service
- Transport Networks (Road & Rail) Feature Service

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Further refinement necessary for OpenELS!

Continue to Learn & Iterate

- First versions of the OpenELS Products
- Feedback from users (including SMEs)

Ensure accessibility

- New OpenELS user interface
- Open licence, easy to understand!
- Vendor tools are ready

Demonstrate Value

- Continue to build strong relationship with users
- Develop compelling use cases

Not like this....
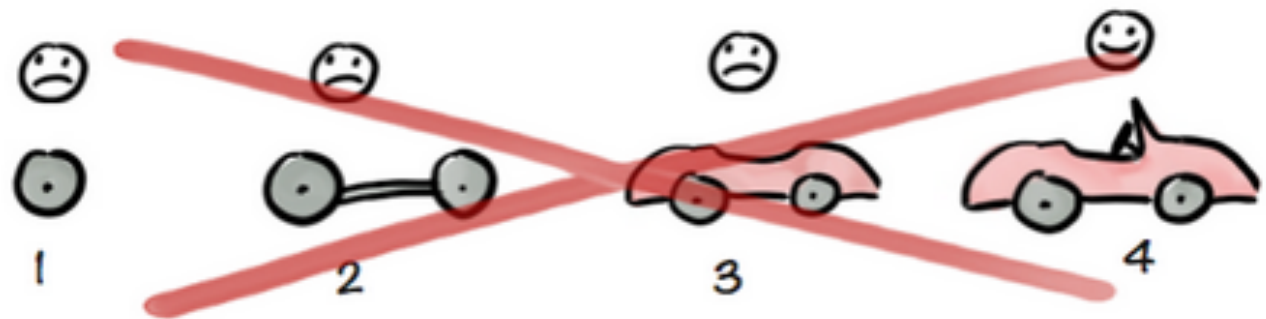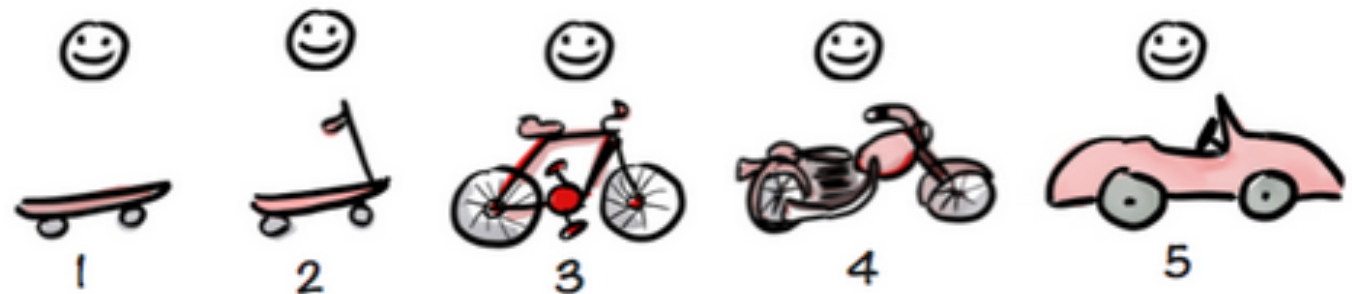
1   2   3   4

Like this!

1   2   3   4   5

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Data and Service supply: where we are
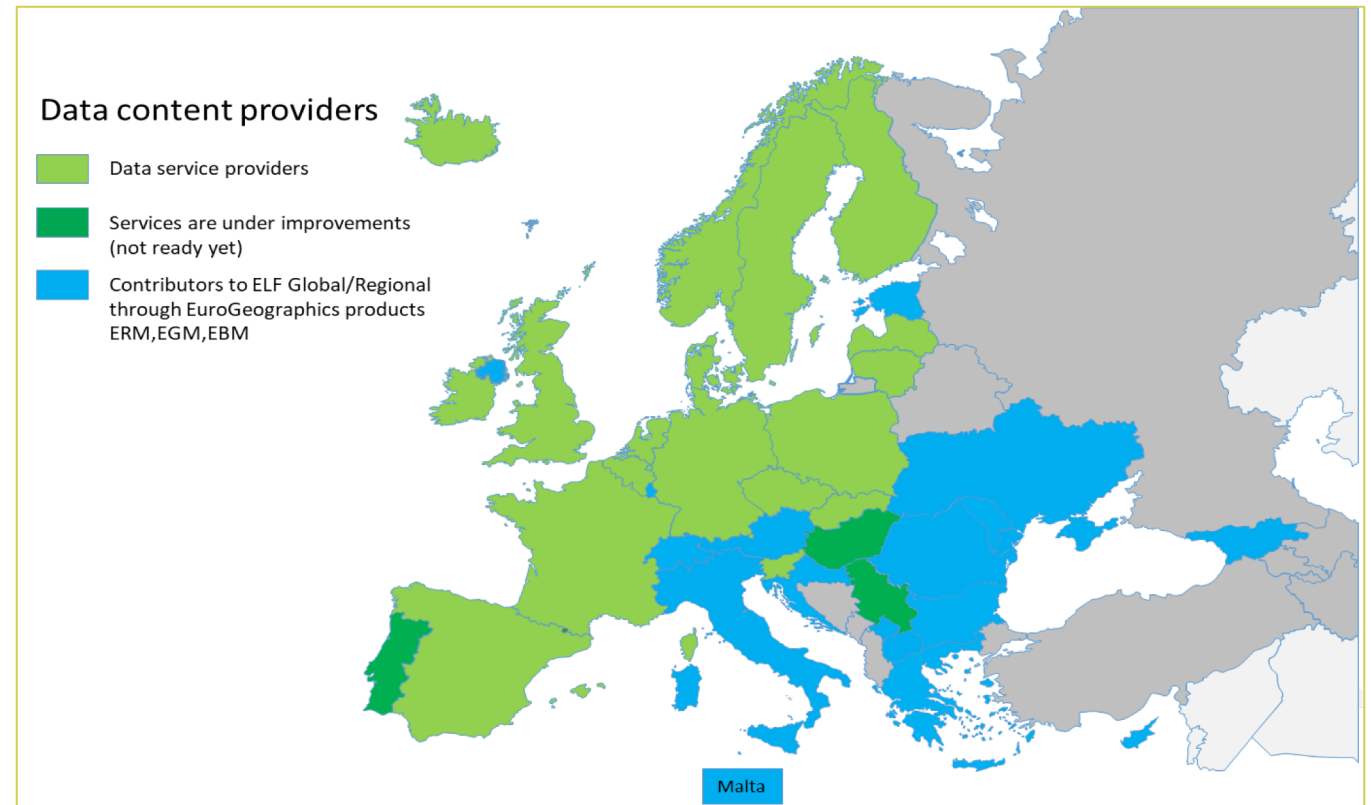
ELS GeoLocator (24 contributors)

- GN, AD, AU

ELS Download services WFS
(22 contributors)

- 12 INSPIRE themes, most popular:
  - GN (16), AU (14), AD (12), HY (10), TN-Roads (10), CP (10)

ELS Cadastral Index Map (12 contributors)

- CP, AD, BU, AU

ELS TopoBaseMap (18 contributors)

Data content providers

- Data service providers
- Services are under improvements (not ready yet)
- Contributors to ELF Global/Regional through EuroGeographics products ERM,EGM,EBM

Malta

Data and Service supply: where we go

GeoLocator
- GN, AD, AU
- File delivery: GML, AtomF, ESRI SHP, GDB

WFS download services:
- Administrative Units;
- Geographical Names;
- Buildings;
- Transport Networks (Road, Rail);
- Hydrography (Physical Water);
- Elevation;
- Land Cover;
- Cadastral Parcels;
- Addresses

WMS Cadastral Index Map:
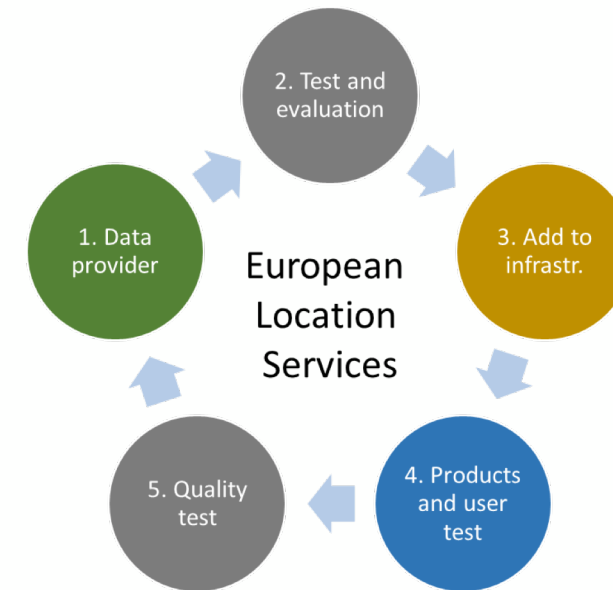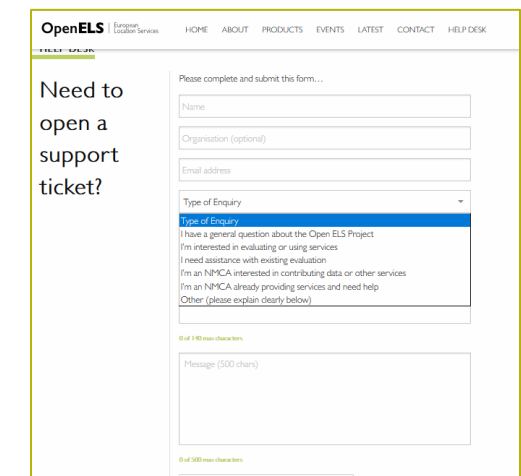- Cadastral Parcels, Buildings, Addresses

WMTS TopoBaseMap

Current coverage

ELS & Open ELS priority (short term)

EuroGeographics priority (middle term)
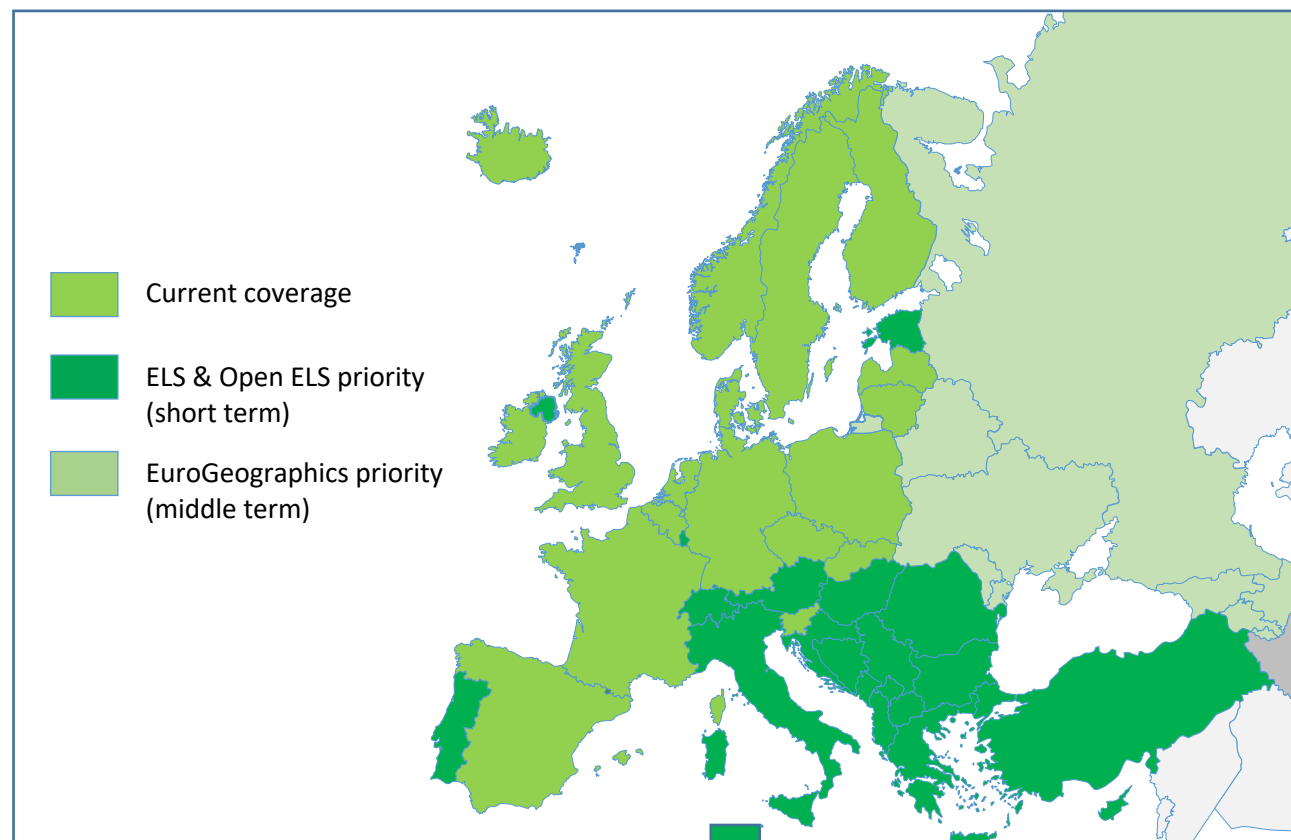
Call to contribute!

- ## Step by step approach
  1. Sign Data Provider Agreement (DPA)
  2. Arrange data/service setup according to the ELS specs
     - ELF specifications, samples
     - Agree (edge-match) the connecting features along borders (see the guidelines)
  3. Compliancy and performance test:
     - Trigger the INSPIRE validator from the ELS infrastructure

- ## Support and capacity building
  - Help desk
  - Training, consultation, expertise
  - National workshops and engagements (meet Saulius and discuss)