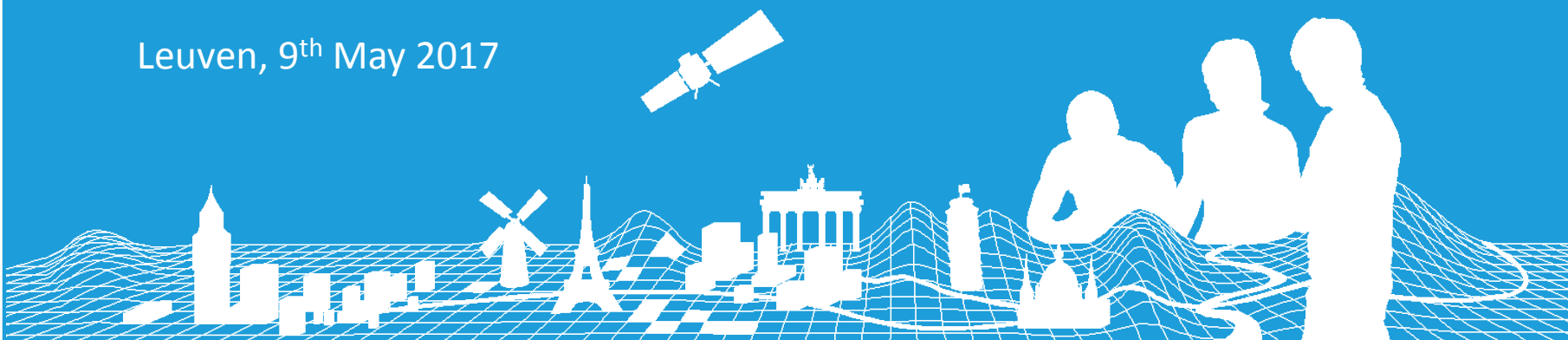


European Location Services

Helen Kaestner, Abigail Page, Saulius Urbanas

Leuven, 9th May 2017



Agenda

European Location Services Transition Programme

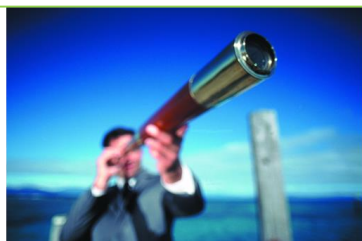
Development of operational services and products

Supporting data providers

Questions and discussion

Vision and value of European Location Services

Vision



To provide the single access point for international users of harmonised, pan-European, authoritative geospatial information and services.

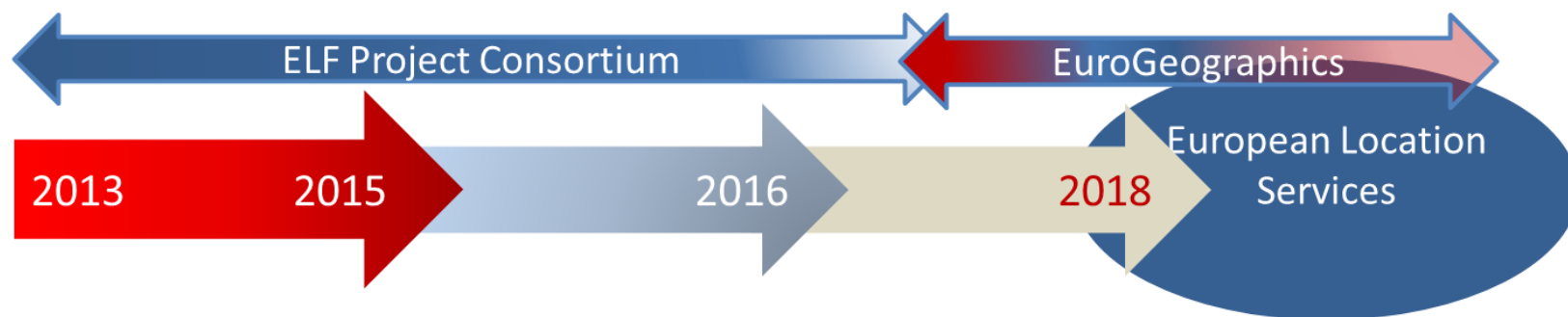
For National mapping, cadastral and land registry authorities to be recognised in our International effort to contribute to the wider public good.

- A single source (gateway) of official, quality-assured data from Europe's National Mapping, Cadastral & Land Registry Authorities (NMCAs)
- Provide authoritative, pan-European data content
- Provide services that complement - but do not compete with - national services developed to meet INSPIRE Directive requirements

Value proposition

- Fits the vision and strategy of EuroGeographics
- Demonstrate the relevance and value of authoritative data from our members
- Usage of data is interest of NMCAs
- Value for the members through use of authoritative data at European level - even if no direct benefit to EuroGeographics
- Strengthens positioning of members and facilitates access to data in the future
- Keep customers in hand on European level

European Location Services Transition Programme objectives



European Location Framework project

Established standards, tools, technical infrastructure and pilot services – the ELF Platform

Pilot products & services to defined standards (INSPIRE-compliant spatial reference data, harmonised at a cross-border and pan-European level)

Transition Programme (Oct 2016 – Oct 2018)

Build on ELF Platform and hand-over ownership of the ELF platform from ELF Consortium to EuroGeographics

Design and build operational and customer focused services with key partners (Kartverket, Kadaster, OSGB, NLSFI, BKG)

Establish the organisational model for operations

Operational European Location Services

Provide reliable and efficient products/services for pan-European users

Single point of access for licensing official data on European level

Business model and business case in place

Delivery organisation decided

Operational model implemented

Member commitment to realise European Location Services



To provide the single access point for international users of harmonised, pan-European, authoritative geospatial information and services.

For National mapping, cadastral and land registry authorities to be recognised in our International effort to contribute to the wider public good.

Ensure sustainability

Build on existing ELF platform and experiences

Sustainability is absolutely crucial for EuroGeographics - commitment of our members required

Meet customers expectations and minimise “time to market”

Your commitment and support

Reward commitment by development of know-how and capabilities for data providers on European level

Strengthens the capabilities to deliver operational Pan-European services based on harmonised services

Commitment required to deliver INSPIRE compliant national services to build European Location Services and to deliver operational services

Transition Programme includes the “Open ELS project”

- 2 year project funded by European Commission (2016 CEF Telecom Call - Public Open Data (CEF-TC-2016-2), starts in May 2017
- Budget: €2.393.393, European Commission funds 50%
- Objective: Develop and implement Open European Location Services
 - Develop Open Data services for the priority domain of geospatial information from European NMCAs
 - Improve the quality, availability and interoperability of data from different, cross-border public authorities, facilitating access to and encouraging the uptake and use of data
 - Strongly user oriented
 - Involve SMEs through a programme of engagement to encourage the SME sector to take up Open Data services and develop innovative solutions for the market
- Open ELS partners: EGHO, KARTV, KADNL, OSGB, NLSFI, SDGC, IGN-ES, NLS-SE, GUGIK
 - Volunteering contributors: BEV
- Integrate Open ELS project into Transition Programme, contributes to develop operational European Location Services

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Drivers for Product Development



New methods of consumption



Fulfil need for Pan-European, authoritative data



European Commission Policy



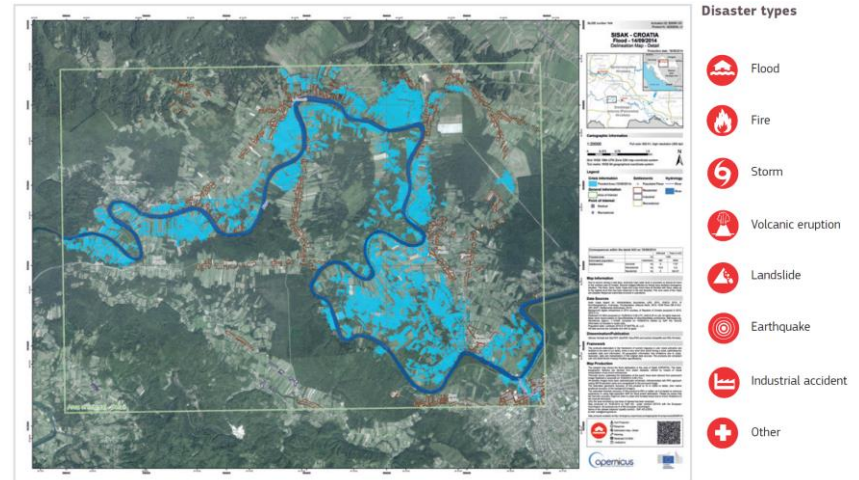
Support Members' INSPIRE Obligations



Support Members in a global market

ELS Products are Unique – Single Access Point to Services

Example: Copernicus Emergency Management Service

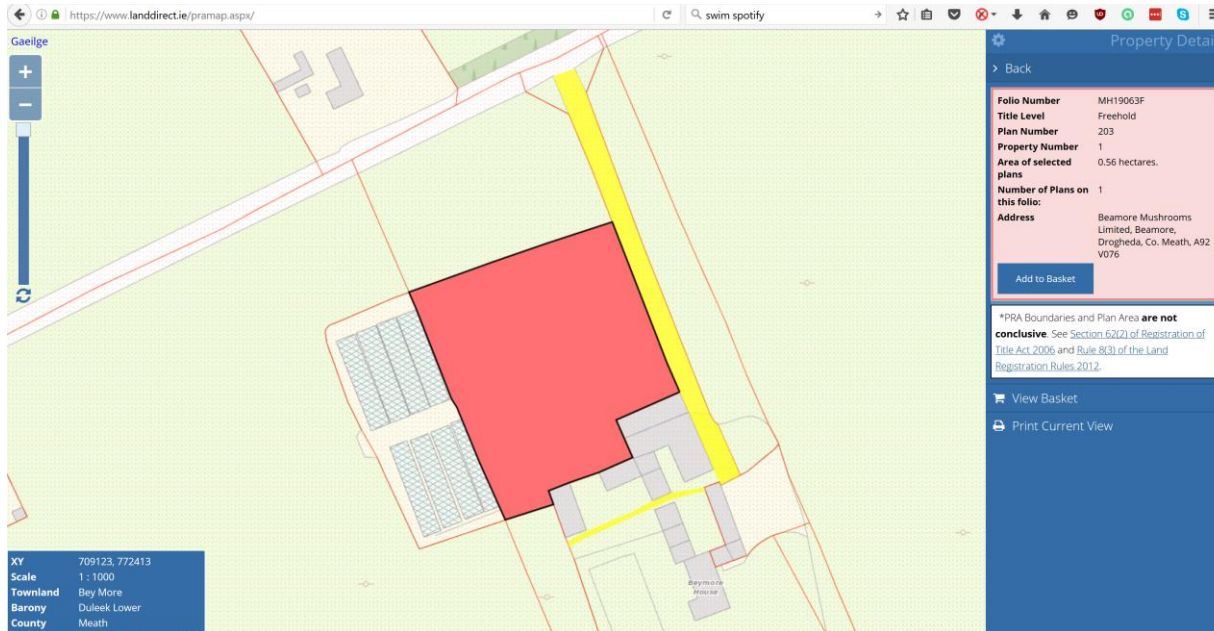


“...would like access to be organised via harmonised high performant web services with the possibility to download if needed for map production”

- Current data from one source for multiple countries, to a common specification
- Clear and harmonised licencing and pricing

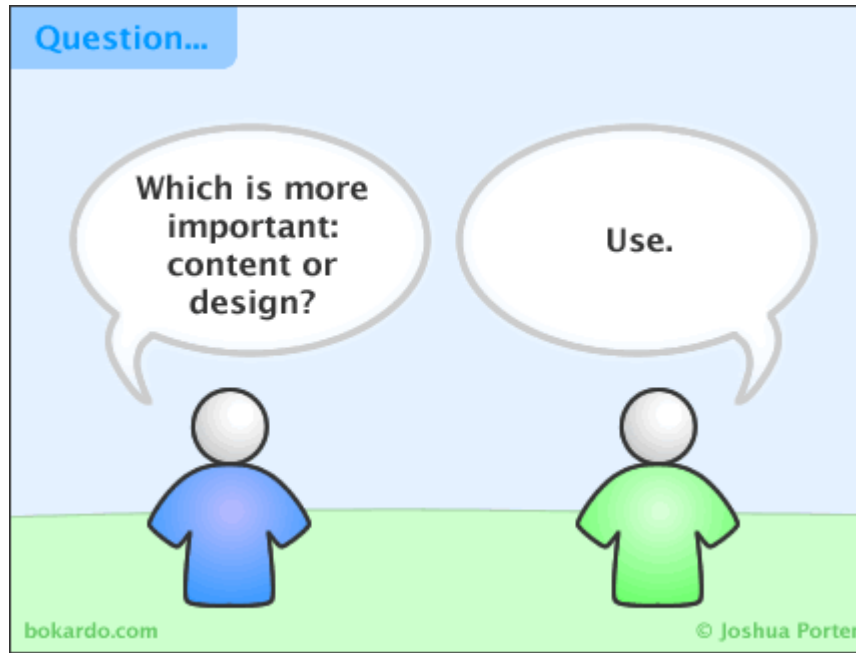
ELS Products are Unique – Authoritative Content

Example – Land and Property Systems



- Authoritative data is highly valued and provides confidence to users
- For some INSPIRE themes, no market alternative to NMCA content

Customer Focus – an opportunity and a challenge



- We must prioritise. European Location Services must be valued.
- Customers will influence the development of European Location Services.
- To develop products, we will show, listen, react... show, listen, react...

Our challenge is to react together – quickly !

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European Location Services Transition Programme

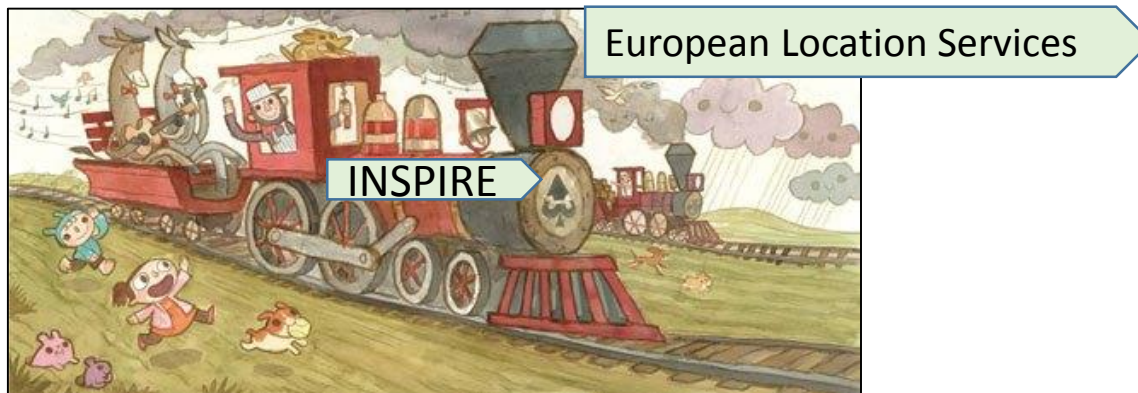
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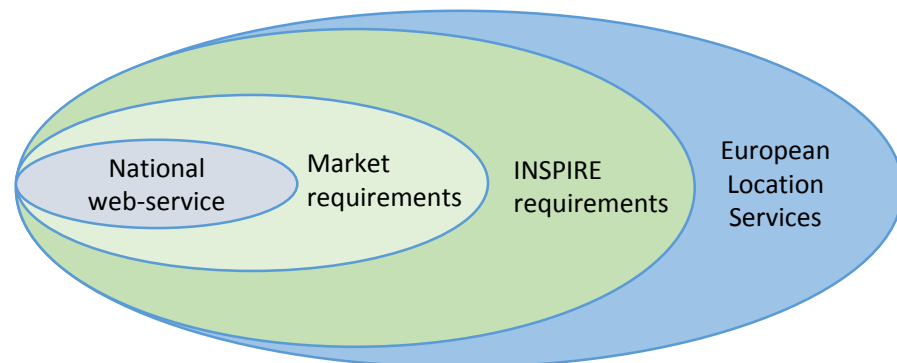
INSPIRE as basis for harmonised services – ensure maintenance

- European Location Service is a practical exercise of INSPIRE implementation. Will it remain such in the future?
- How members/you will ensure that INSPIRE changes are reflected?



- MIG
- Technical experts
INSPIRE KEN
- Maintenance of service specifications
- Tools / transformations
- Market requirements

- Market: national / European
- Additional requirements to national activities
- Compromises securing the operational services



Implementation of a transparent process for data delivery

- How to simplify the national service delivery to European Location Services

National activities	European Location Services
Service Setup	Compliance to specification, tools
Quality test, validation	Access to infrastructure
Improvements	Test, validation
Updates (incremental)	Operational Services

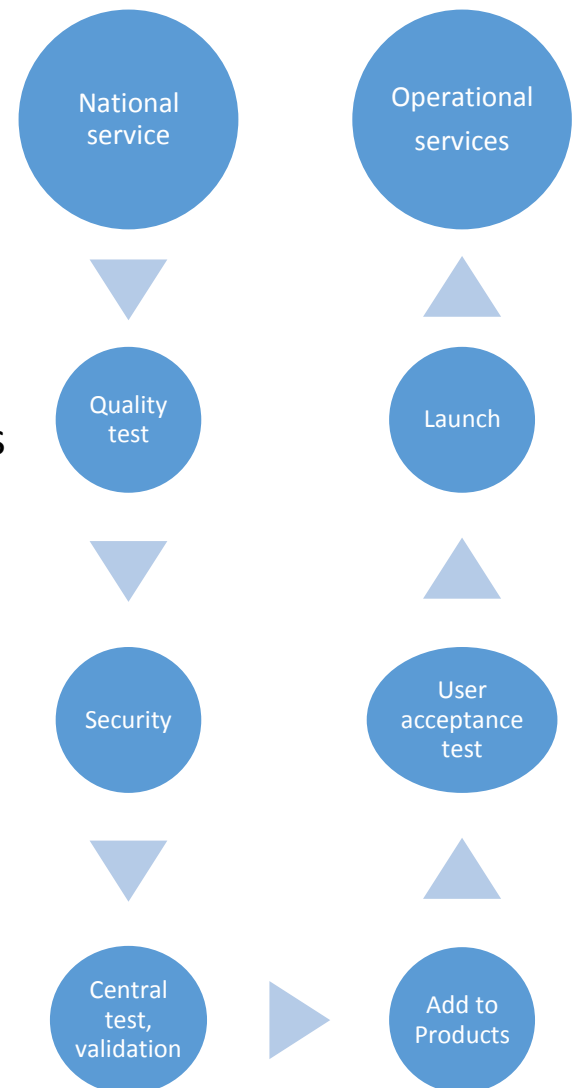
- Key success factors
 - Integration of European requirements to national service setup
 - Common tools
 - Knowledge sharing and exchange (best practice, issues management)

Implementation of data provider support

How will current Data providers be supported?

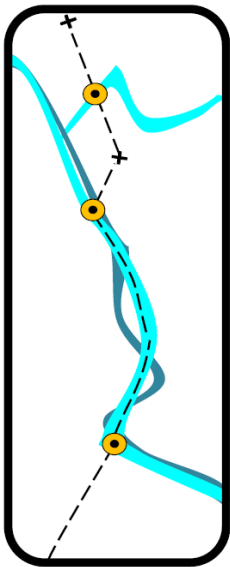
- Data provider support
 - Help desk
 - Consultations from domain experts
 - Training, guidance
 - Tests,
 - Issues: identification and advice for solutions
- Communication and feedback
 - Basecamps (Technical, Data policy)
 - Two ways communication: reporting channel
 - EuroGeographics website
 - Central repository for applied tools and documentation

This will be a blueprint to support new Data providers

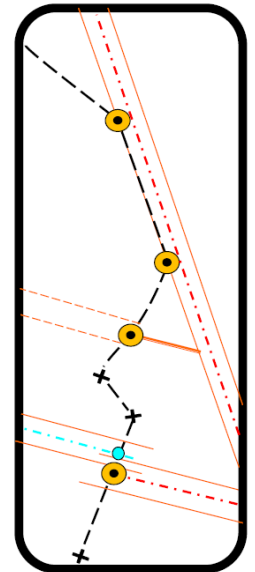


Work on solution for improving data quality

- How to assure the cross-border harmonization and an improvement of data quality (homogeneity, content, portray) ?



- Manual edge-matching: agreement between neighboring NMCAs on the cross-border feature's nodes
 - Guidance, best practice from State Boundaries of Europe KEN
 - Actions to setup multi NMCAs working groups / experts
- Tools for cross-border visualisation
 - Continue collecting state border lines/points
 - Investigation on visualisation policy (approaches), algorithms
- Assurance of the common data quality and portray – user defined visualisation
 - Standardised data content – evaluation, improvements
 - Apply SLD editor by all
 - View services based on the vector features



Continue with capacity building for NMCA's

- How NMCA's capacities could be improved?
- Engagement NMCA's on
 - Needed capacity improvement
 - National/regional workshops
 - Drafting of individual programmes for capacity improvement
- Capacity improvement activities
 - Webinars, presentations, video records
 - Training, consultation
 - Support: specifications, data content, service setup, accessibility (security)
- Two ways of communication
 - Demands vs limited capacities
 - Benefits securing the investments / resources



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