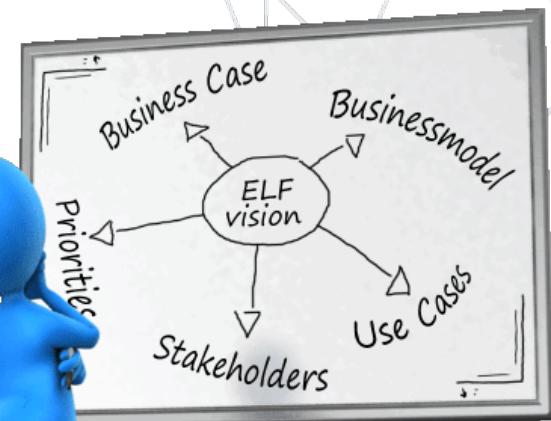


How to become an ELF Data Provider

Presentation to: EG PolKEN

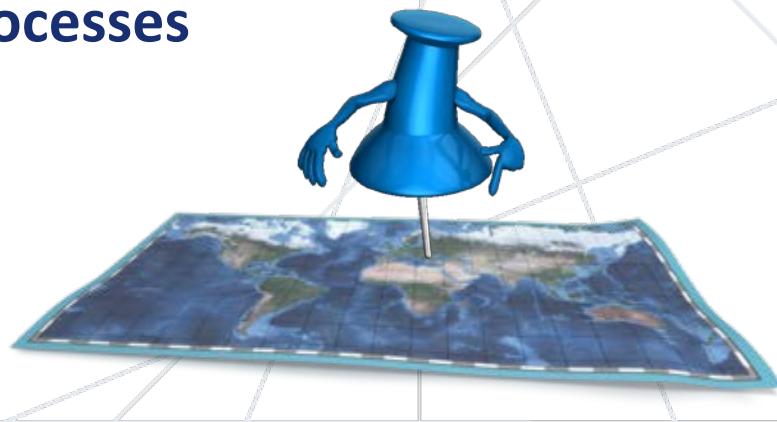
By: Laila Aslesen

Date: 20 October 2016



What is ELF?

- **The European Location Framework (ELF)**
 - ★ Up-to-date, authoritative, interoperable, cross-border reference data for use by the European public and private sectors
- **Immediate and reliable access for all users to all services**
 - ★ Use of evaluation and development licenses without charge
- **Simple terms and easy licensing processes**
- **A reliable and robust organisation**



The ELF vision

- **ELF will provide access to harmonised services on harmonised condition**
- **ELF will underpin the development of private sector by**
 - ★ Simplify licensing and access to pan-European data
 - ★ Increase the amount of SMEs that can easily access and exploit pan-European products for innovation and growth
- **ELF will support public sector in Europe with harmonised and easy access to reference data for all their tasks**



ELF from the users perspective

- **Reduced cost from**
 - ★ No discovery costs
 - ★ Harmonised licensing and one-stop shopping
 - ★ Not having to make disparate datasets consistent
- **Acquiring from a trusted public source**
 - ★ Authoritativeness of content
 - ★ Certainty of long-term commitment to supply
 - ★ Greater predictability of uptodateness
- **Uniqueness of some products**



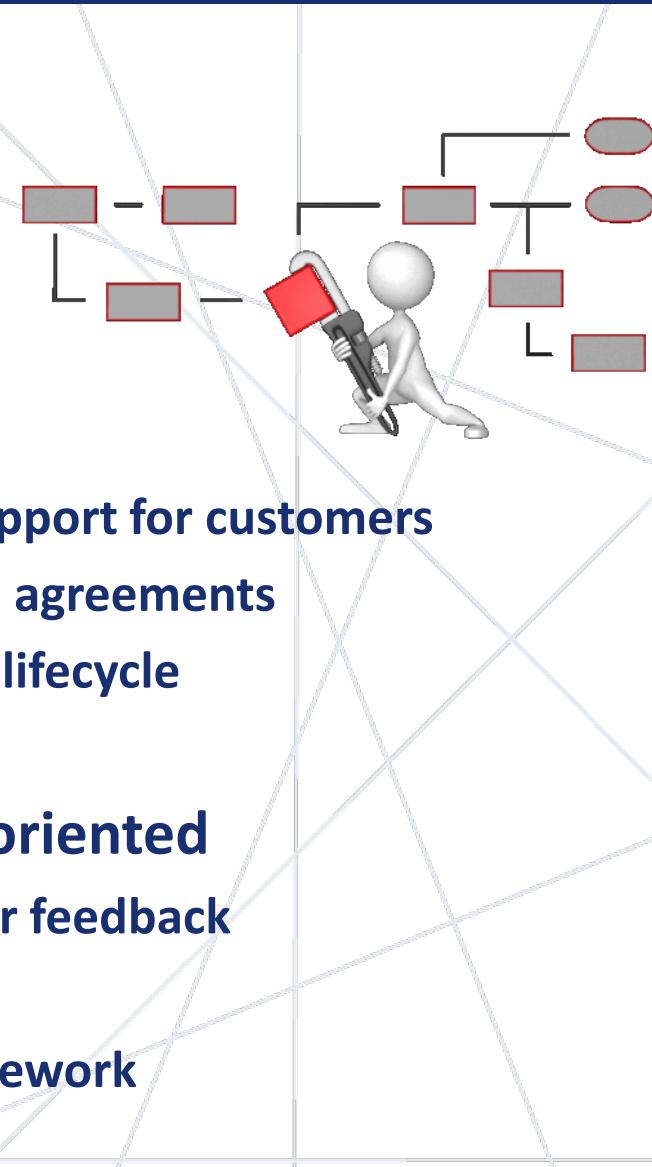
The ELF project

- Three-year project, co-funded under the ICT PSP programme of the European Commission
 - ★ Establish the European Location Framework
 - ★ Transition to EG taking over at the end of the project



Transition from project to EG

- **The project should deliver**
 - ★ A fail-proof technical platform
 - ★ Competent sales, marketing, supply and support for customers
 - ★ Commitment from data providers based on agreements
 - ★ Tools and means for managing the product lifecycle
 - ★ A viable organisational model
- **Priorities changes to be more business oriented**
 - ★ Meet customer expectations from customer feedback
 - ★ Manage costs and find financing
 - ★ Develop the potential of the technical framework



Organisational model



- **Initially the federated approach**
 - ★ Practical limitations of establishing radically new organisation
 - ★ Roles and activities carried out by NMCAs and EG
 - ★ To some extent a continuation of the project
- **Using the strength of the NMCAs to support ELF**
 - ★ Shared responsibilities and risk
 - ★ More cost-efficient and fewer legal issues
- **Strong management required**
- **Future options will be explored**

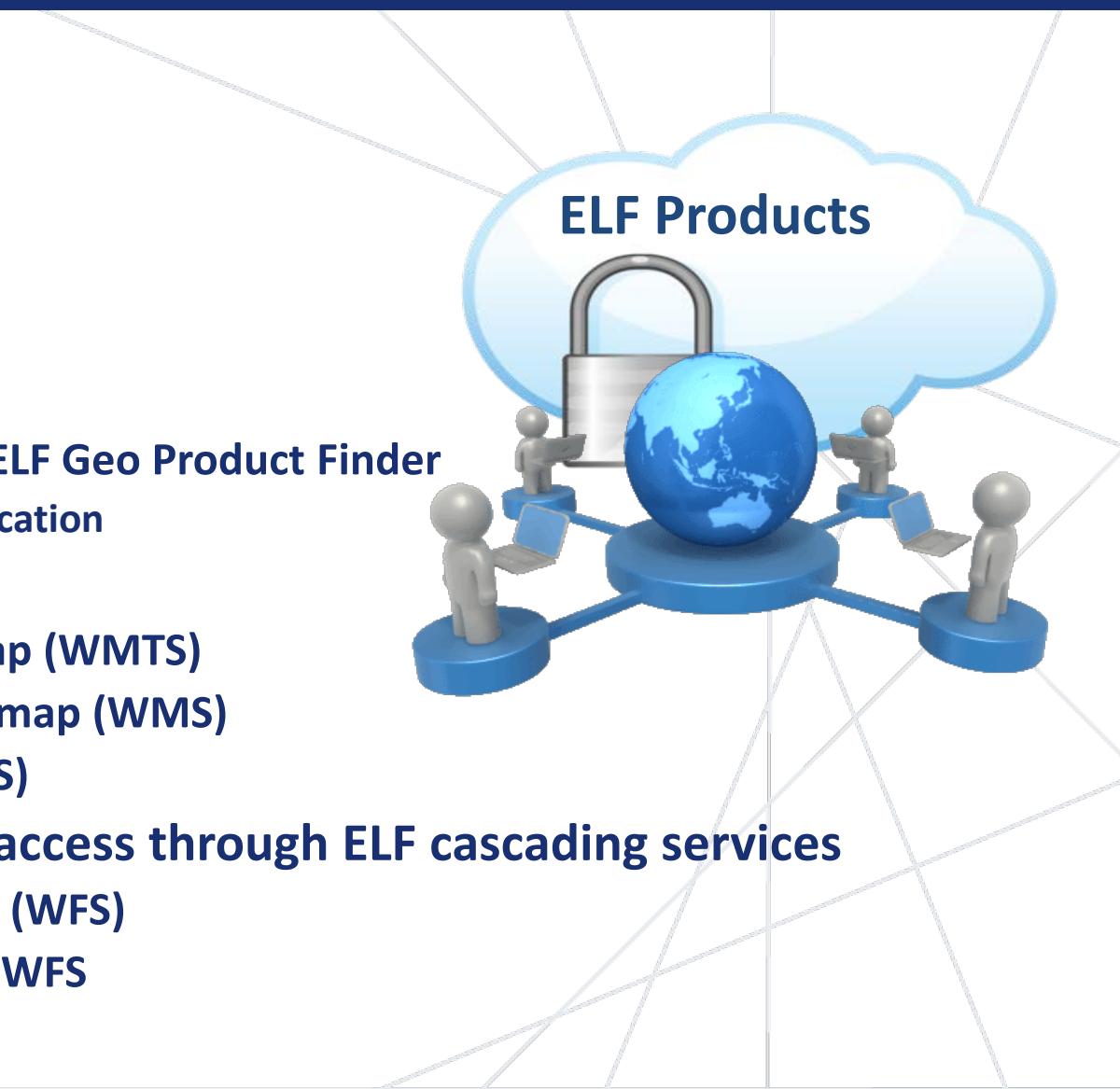
What does it mean to be an ELF Data Provider?

- **Requirements**
 - ★ Contribute to ELF products with your data and services (technical requirements)
 - ★ Sign a Data Provider Agreement (legal and administrative arrangements)
- **What can we offer?**
 - ★ A distribution channel and showcase window for your national data
 - ★ A community with support and assistance
 - ★ Geotools



ELF products

- Software services
 - ★ Geo Locator Service
 - ★ Discovery service – ELF Geo Product Finder
 - ★ ELF Showcase Application
- View services
 - ★ Topographic Basemap (WMTS)
 - ★ Administrative Basemap (WMS)
 - ★ Cadastral map (WMS)
- Download services – access through ELF cascading services
 - ★ Administrative units (WFS)
 - ★ Geographical names (WFS)
 - ★ Hydrography (WFS)



ELF Data requirements

- **ELF Global**
 - ★ 1:500 000 →
- **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 →

- **Thematic domains**
 - ★ Cadastral Parcels
 - ★ Addresses
 - ★ Administrative Units
 - ★ Hydrography
 - ★ Sea regions
 - ★ Transport Networks
 - ★ Geographical Names
 - ★ Elevation
 - ★ Land Cover
 - ★ Buildings
 - ★ Protected Sites

Tools and specifications

- **ELF Product Specifications**
- **ELF (INSPIRE) data specifications**
- **Geotools**
 - ★ Transformation
 - ★ Data Quality Validation
 - ★ Generalisation
 - ★ Edge Matching
 - ★ Visualisation
 - ★ Change Detection
 - ★ Table Joining Service



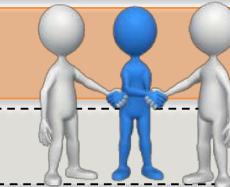
Applications and affiliated platforms



Geo Product Finder and the Showcase Application

Licensing

Pricing



Authentication, authorisation and accounting

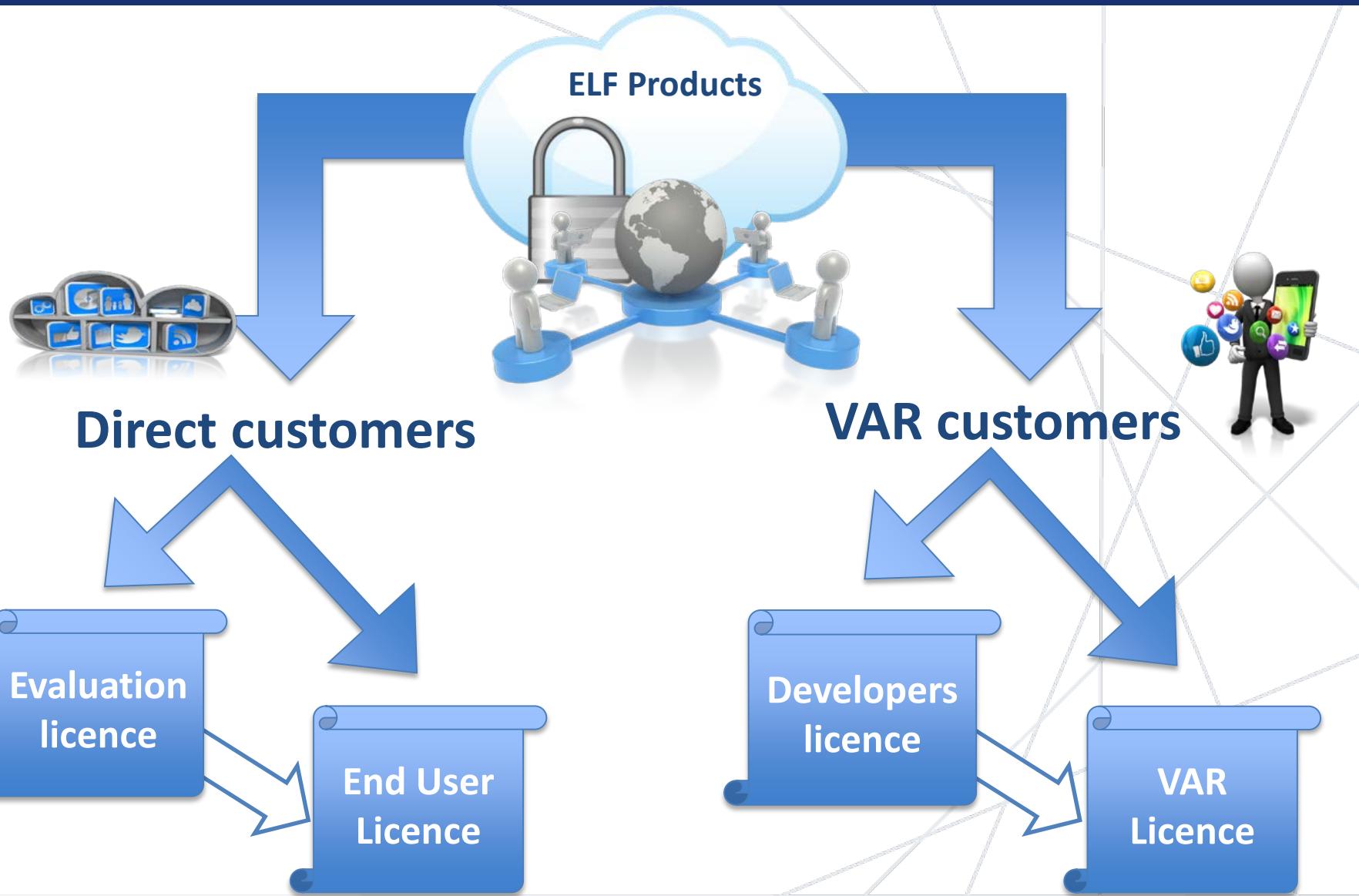
ELF Products



ELF Licensing

- **Two market channels**
 - ★ Value-added reseller
 - ★ Large European users
- **Licensing principles**
 - ★ Clear, concise and suited to the ELF products and customers
 - ★ Take into account the varying demands of the Data Providers
 - ★ Limiting the amount of different types of use granted
 - ★ One price for selected product
- **Immediate access and use**
 - ★ Evaluation and Developers licences
 - ★ Moving on to VAR and end-user licenses



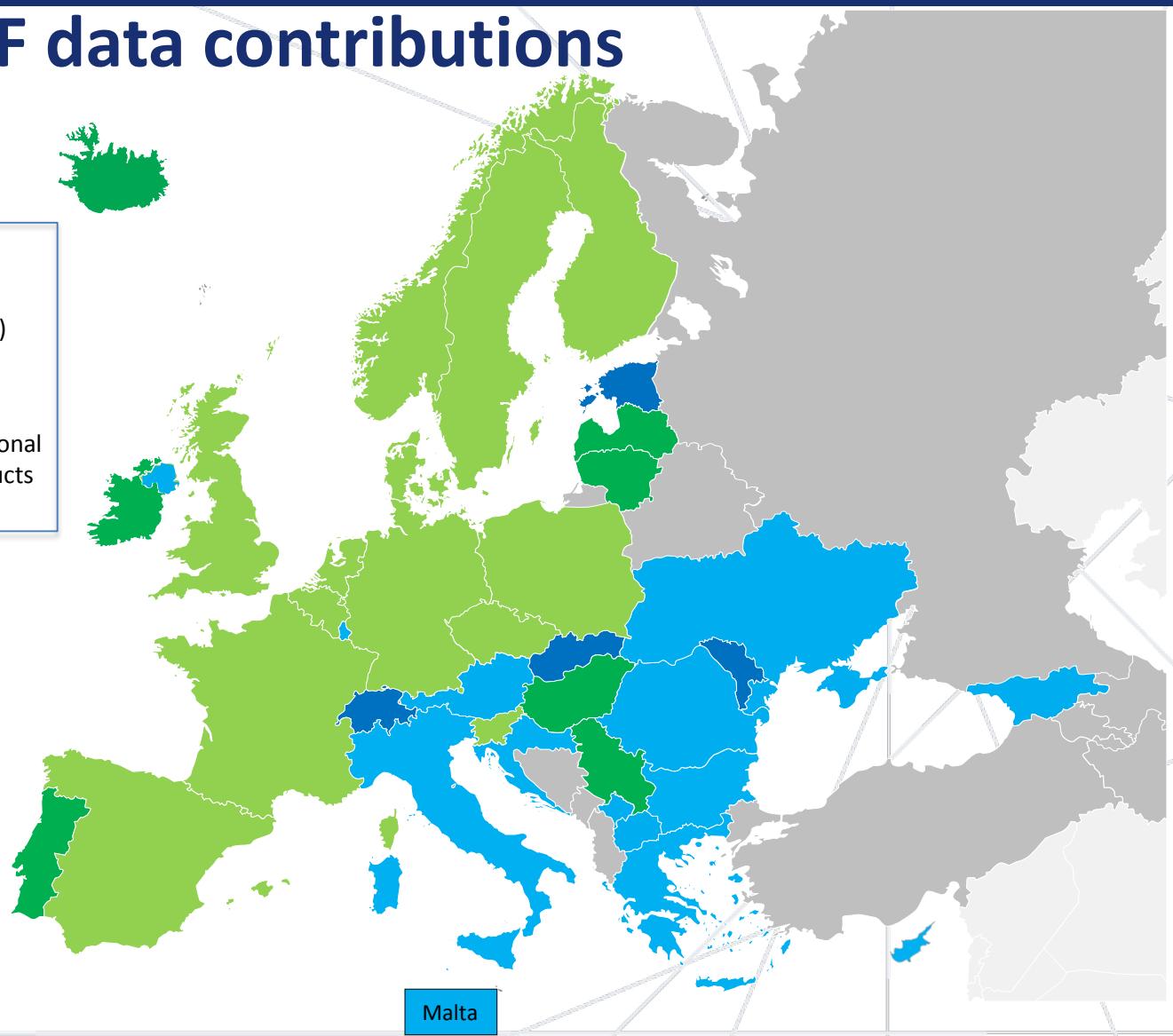


Content is king!

- You can contribute to ELF View and Download services
 - ★ Coverage of Europe
 - ★ Demonstrating the value of NMCA data
- You can contribute to ELF Tools
 - ★ Testing of infrastructure requires content
 - ★ Edge-matching across national boundaries
 - ★ Quality and Metadata
- Let us to know what data/web services you have
 - ★ Questionnaire



Coverage of ELF data contributions



The Data provider role

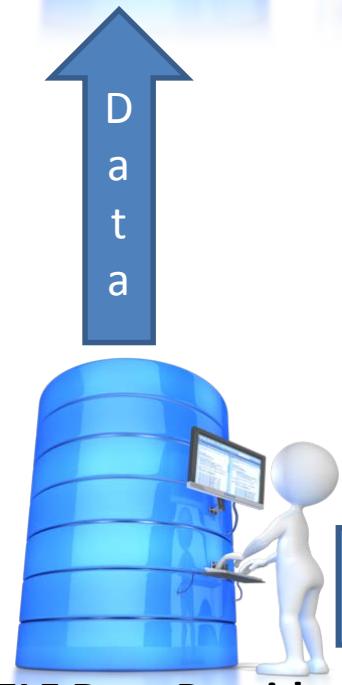
- Major shift in responsibilities from existing EG products
 - ★ Operating the national service on a continuous basis
 - ★ No common copyrighted database
 - ★ Existing EG products provided under existing agreement
- Dealing with third party data
 - ★ Many themes are not handled by NMCA under INSPIRE
 - ★ How to organise agreements and services?
- Licensing and pricing
 - ★ Licensing mechanisms need to be harmonised, but data provider decides the level of remuneration



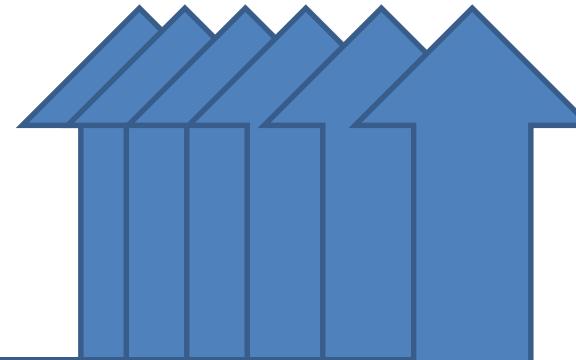
Existing European databases



ELF European
services



ELF Data Provider



ELF National services



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

EUROPEAN LOCATION FRAMEWORK

Interested! What now?



1. Prepare for what you can offer

- ★ Provide Saulius with your data and service details
- ★ Any legal questions can be directed at me

2. Offer is defined and a timeline suggested

- ★ I provide you with the template for an agreement and a guidance
- ★ We discuss and agree on a DPA for you
- ★ Minimum: Discovery and evaluation/development licenses

3. DPA is signed

- ★ We will start discussions on the terms for commercial licensing

Questions?

