



ELF EUROPEAN
LOCATION
FRAMEWORK

How to become an ELF Data Provider

Presentation to: EG PolKEN

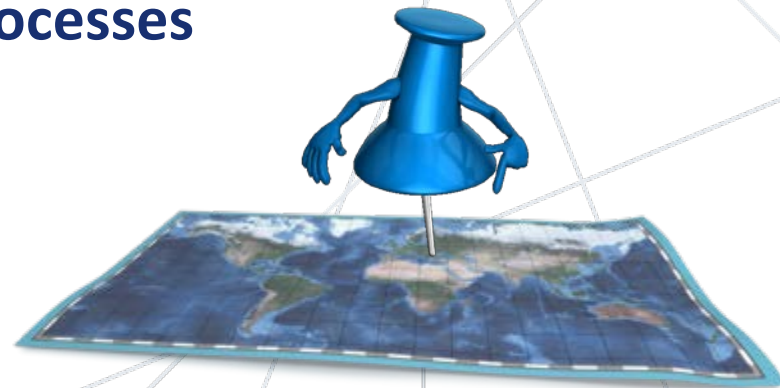
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Date: 20 October 2016



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



June 2014

First pre-operational launch

www.locationanframework.eu
(Showcase application)



1. October 2015

New version of Showcase application



December 2015

Deadline for national services
New countries



March 2016

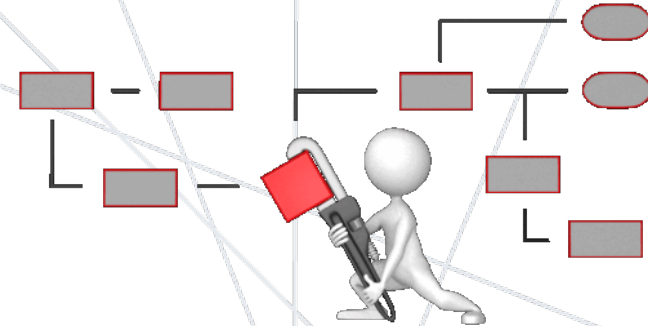
ELF Awareness Tour
From May: ELF Awards
Transition period



October 2016

End of ELF project
ELF organisation in place
EG takes over as platform owner

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**



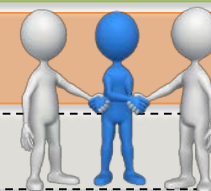
Applications and affiliated platforms



Geo Product Finder and the Showcase Application

Licensing

Pricing



Authentication, authorisation and accounting

ELF Products



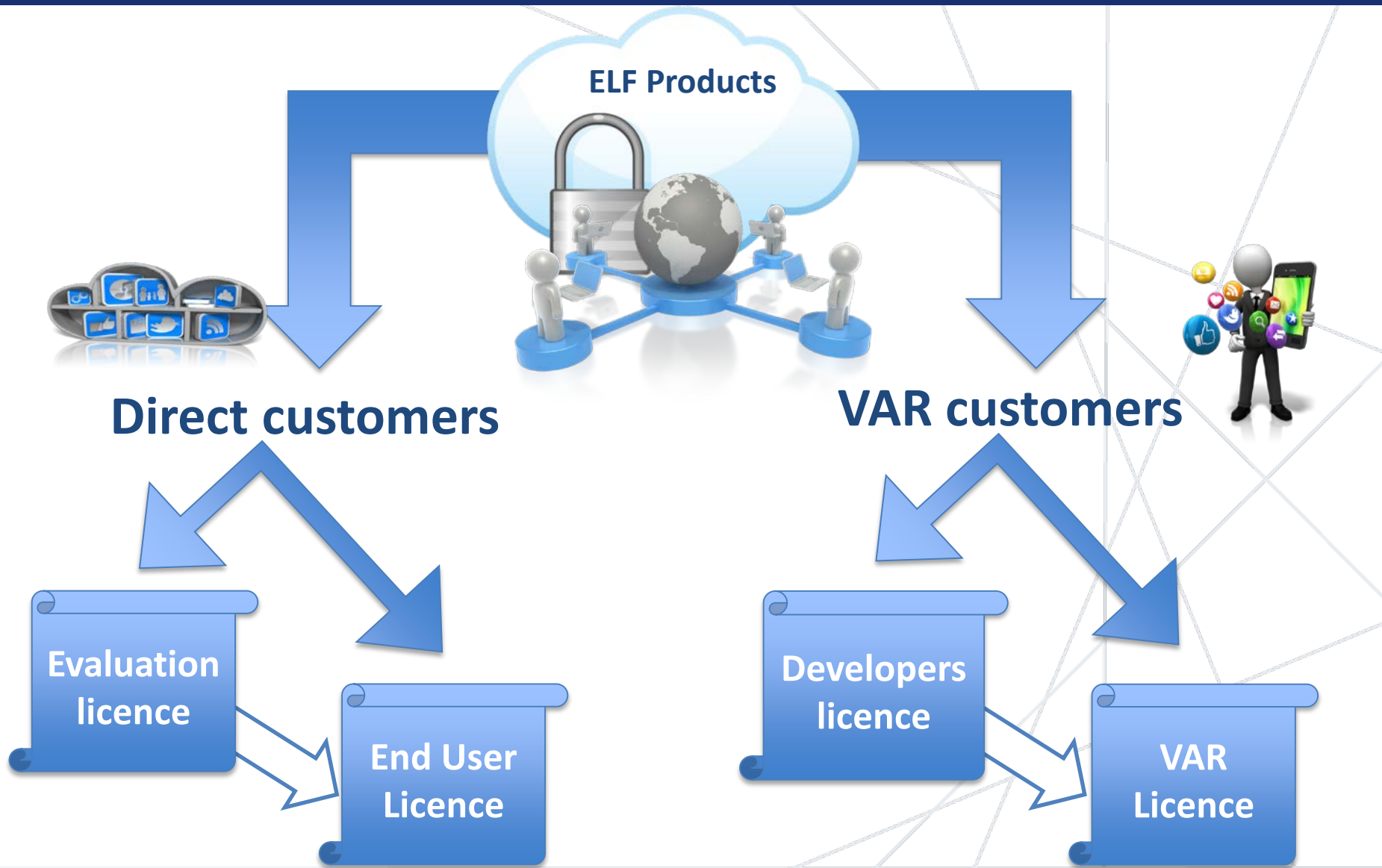
ELF European and National Services



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 Products

**ELF European
services**

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ELF National services

ELF Data Provider

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?

