

Open European Location Services

Webinar: **Update on ELS Data Supply activities**

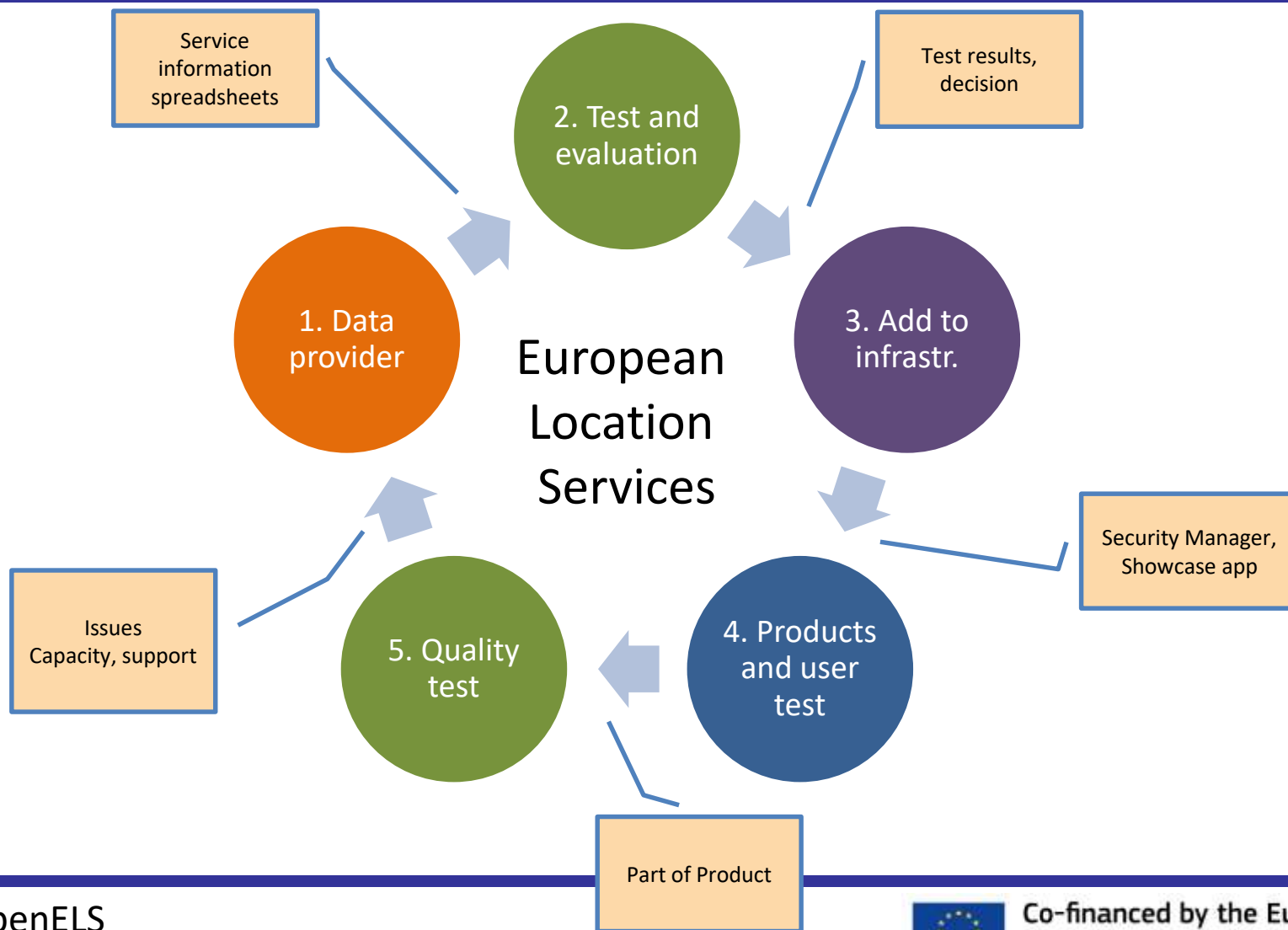
Saulius Urbanas, EuroGeographics

12 July 2018

Status of ELS web-services



Loop of Data Supply processes



General view of available web-services

Country Authority	AU BEV	BE	CY	CZ	DK	EE	FI	FR	DE	GB	GR	IS	IR	LV	LT	NO	NL	PL	SL	ES	CH	SE	NIR	PT	SK	RS	HU				
		IGNB		CUZK	GST	ELB	NLSFI	IGNF	BKG	OSGB	HGMS	NLS-IS	REG-IS	OSI	LGIA-LV	SLS-LV	GISC-LT	RC-LT	KARTV	KADNL	MAC	SMA-SL	CNIG	SDGC	Swisst opo	NLS-SE	LPS	DGT-PT	SGA	RGARS	FOMI
ELF Basemap																															
Cadastral Index Map																															
GeoLocator GN																															
GeoLocator AD																															
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Testing the new and updated web-services

14 national data/services have been accommodated

Theme / service	Country	DP organisation	Initial check results	Compliance to ELS results	Performance test results	Status (in process, completed)	Comments
HY-WFS	Czech R.	CUZK	Repetitive test of the updated version	ok		Completed	Tested by Cora (Kadaster)
TN-WFS	Czech R.	CUZK	Repetitive test of the updated version	ok		Completed	Tested by Marcin (GUGIK)
BU-WFS	Netherlands	Kadaster	Issues, need update	ok		Completed	Test performed by SDGC
AD-WFS	Netherlands	Kadaster	Some recommendations for improvements, but in general the tests passed.	ok		Completed	Test performed by SDGC
CP-WFS	Netherlands	Kadaster	Issues, need update	ok		Completed	Tested by Ursula (SDGC)
HY-WFS	Netherlands	Kadaster	Issues, need update	ok		Completed	Tested by Marcin (GUGIK)
AU-WFS	Netherlands	Kadaster	Not the full content	ok		Completed	Tested by Roy (KARTV)
TN-WFS	Spain	IGN	Some recommendations for improvements, but in general the tests passed.	ok		Completed	Tested by Marcin (GUGIK)
LC-WFS	Spain	IGN	ok	ok		Completed	Tested by Cora (Kadaster) and Marcin (GUGIK)
GN-WFS	Spain	IGN	ok	ok		Completed	Tested by Cora (Kadaster) and Marcin (GUGIK)
HY-WFS	Spain	IGN	ok	ok		Completed	Tested by Cora (Kadaster) and Marcin (GUGIK)
AU-WFS	Slovakia	Cartography and Cadastre Authority of the Slovak Republic	ok	ok		Completed, imported to GeoLocator DB	Tested by Cora (Kadaster) and Pekka (NLSFI)
GN-WFS	Slovakia	Cartography and Cadastre Authority of the Slovak Republic	ok	ok		Completed	Tested by Cora (Kadaster) and Pekka (NLSFI)
GN-shp	Slovakia	Cartography and Cadastre Authority of the Slovak Republic	ok			Completed, the data have been imported to GeoLocator DB	Tested by Pekka (NLSFI)

More details in the status of national services in ELS

- Please see the extract from the detailed service status repository in
 - <https://eurogeographics.org/products-and-services/european-location-services/>
- Status of ELF Cascading WFS UpdateCapabilities responses:
 - <https://demo.locationframework.eu/updatecapabilities/>

New template of ELS Data Provider Agreement

What changes and actions

- [Template of Data Provider Agreement](#). Why it was updated:
 - The transition from ELF to ELS
 - Inclusion of Open Data Services
- The DPA defines two type of licenses:
 - Open ELS license;
 - ELS Evaluation and Development license.
- Actions:
 - Current (ELF) Data Providers – no need to re-sign the DPA! It will come to force after 3 months. Please only send an email notification (received and agree) to Saulius.
 - New Data Providers – sign this new [Data Provider Agreement](#) and send to Saulius.

Priority Open ELS products, to be launched in Autumn 2018

- WFS:
 - Addresses,
 - Buildings,
 - Transport Network Rail,
 - Transport Road
- Cadastral Index Map
- Pan European Regional Gazetteer (GN)
- Prospect coverage / Data Providers:
 - Czech Republic, Denmark, Finland, Norway, Spain (CNIG), Spain (SDGC), The Netherlands, Belgium
- All are encouraged to join!

A possibility to speed up the DPA validity

ELF DPA ends in October 2018, new DPA comes to force after 3 months notice (issued 2nd July 2018 -> 2nd October)

Demand to launch first Open ELS products at September 2018

Therefore those DPs contributing to the first Open ELS products might be asked to waive the 3 months notice of DPA

- To be communicated by email
- Dependence of the production process

Contributions to Core Reference Dataset (CRD)

Status and the need for actions

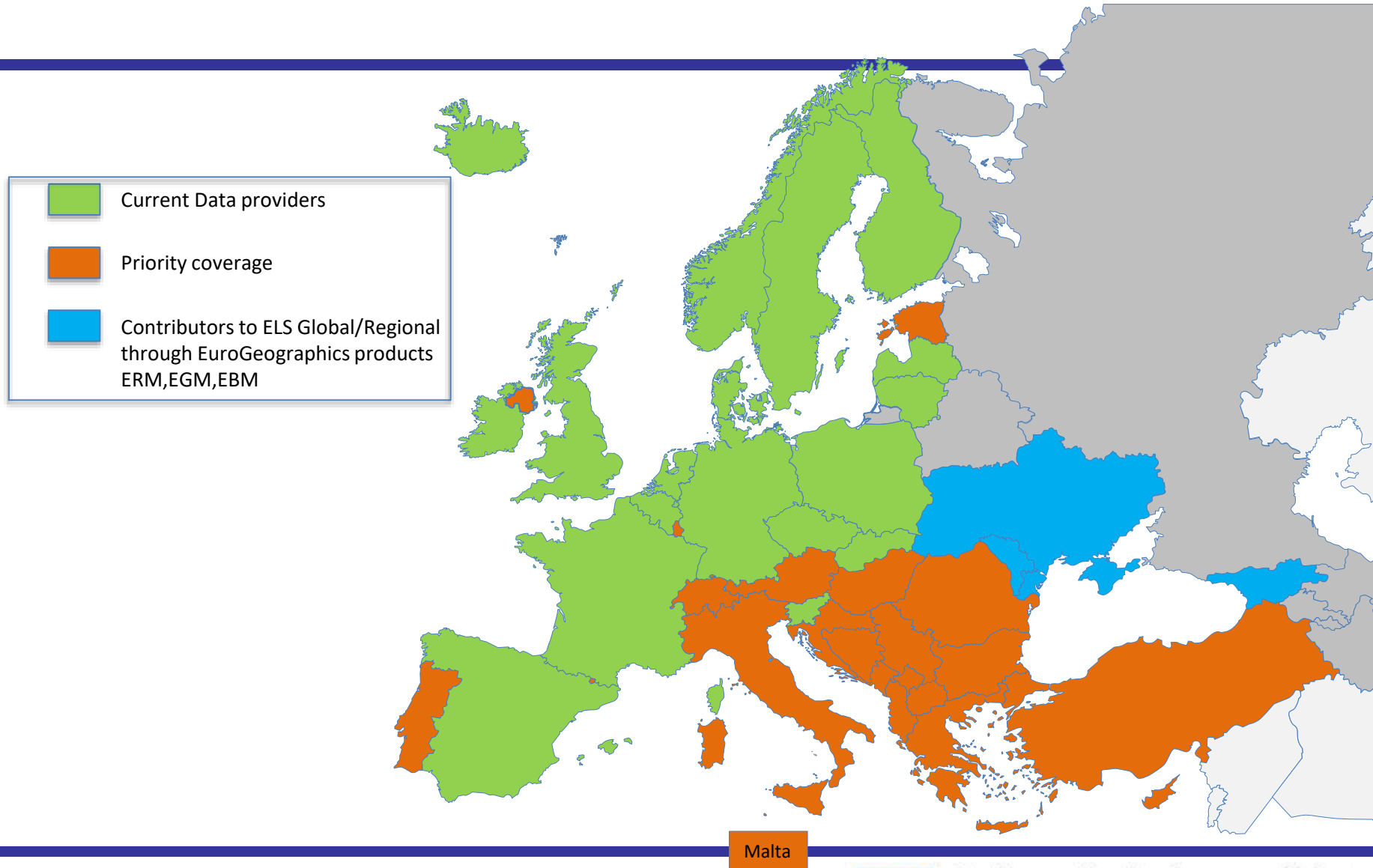
The call for NMCAs contributions has been launched at 18th June 2018. 3 themes in the first version of CRD:

Hydrography, Road and Rail Transport Networks.

Supporting documentation

- Annex to Framework License Agreement (FLA);
 - Guidelines for data provider;
 - Specification and Technical Guidelines.
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- Signed FLA or positive responses:
 - Cyprus, Ireland, Switzerland, Slovakia, Czech R., Finland, Denmark, Germany, Norway.
 - BKG is ready to process the data!

Priority coverage for ELS and CRD

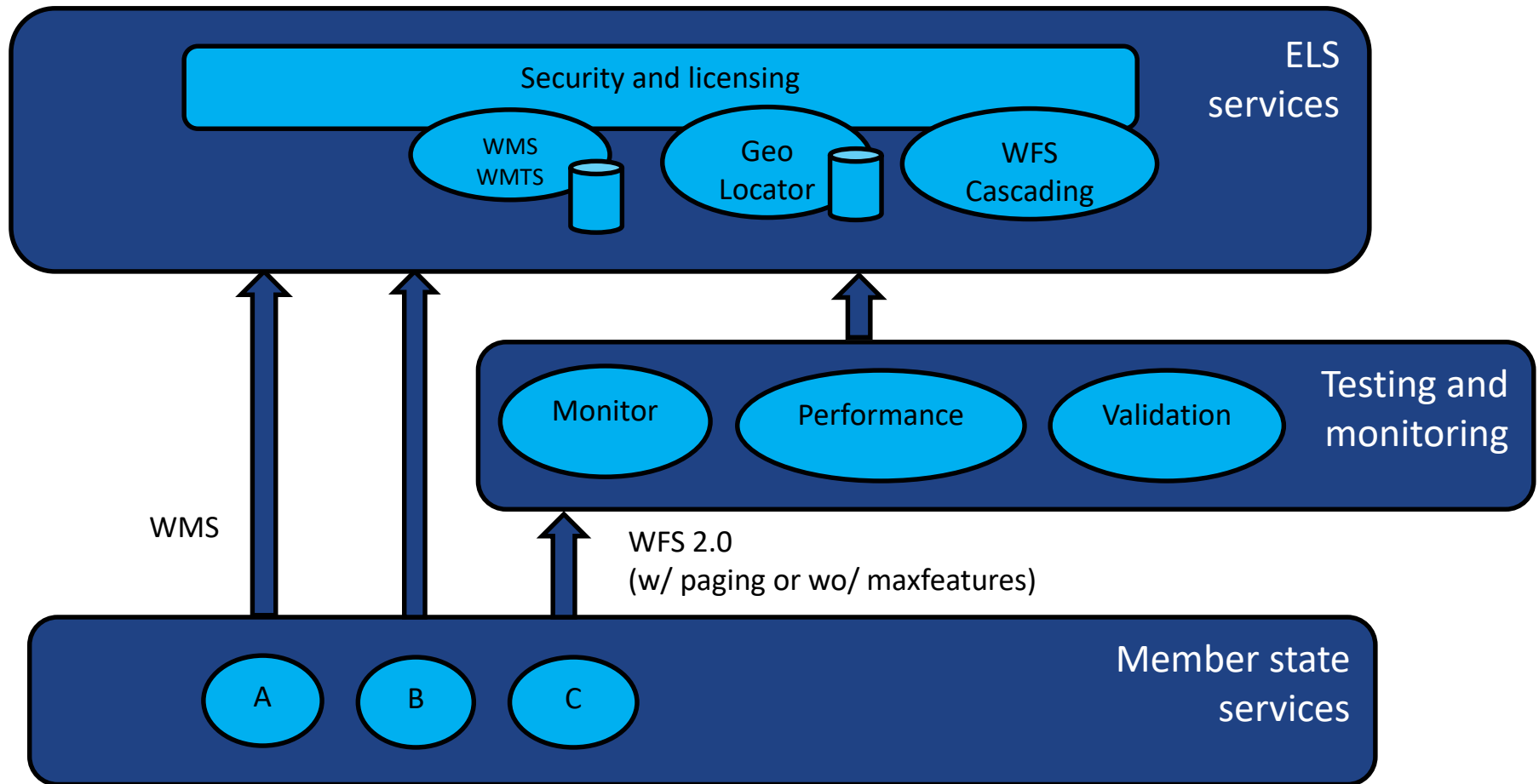


Link between ELS and CRD

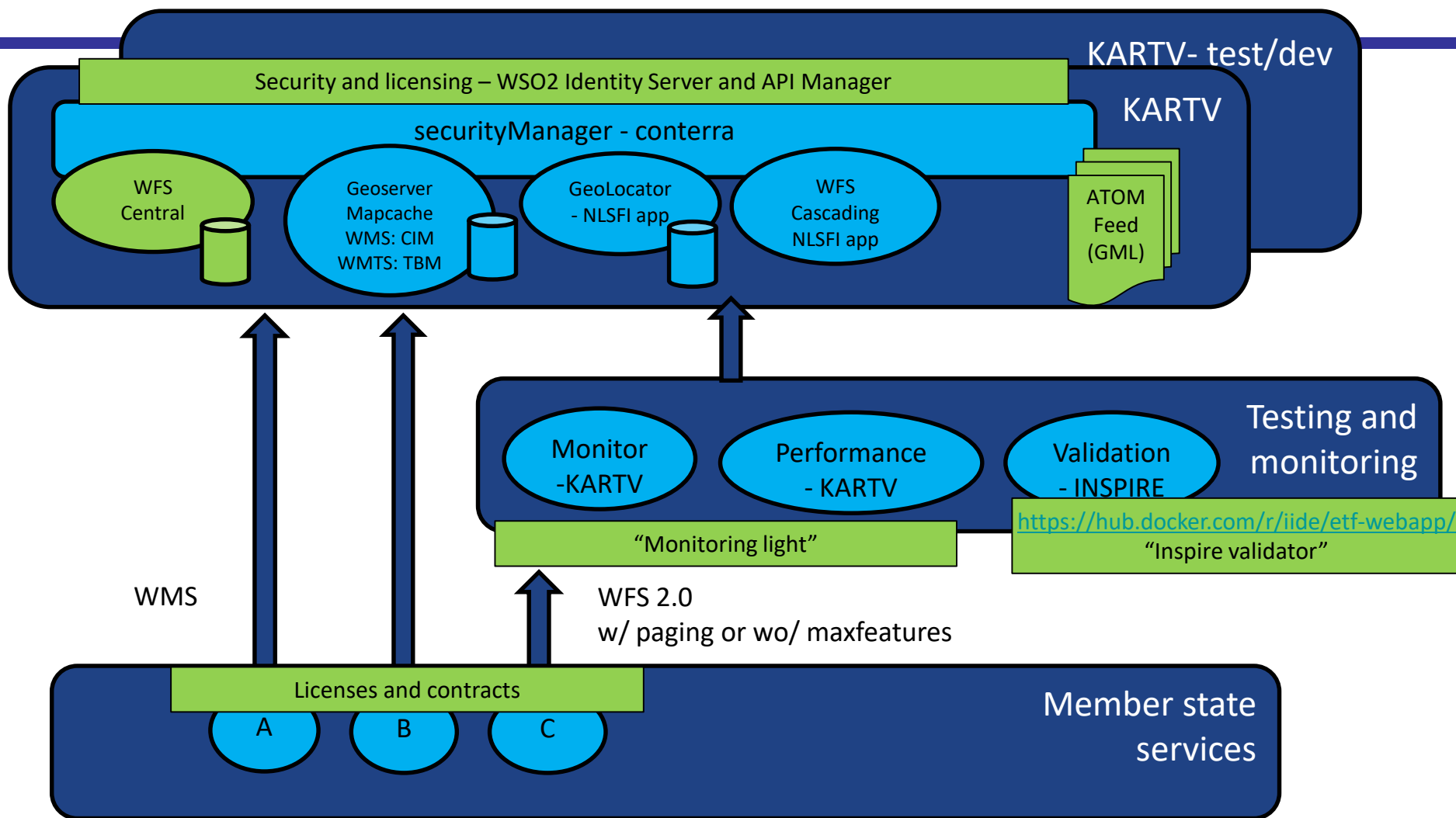
- CRD is the channel to a broader ELS content.
- First version of CRD due to the urgent demand of CLC-Backbone (Copernicus) will be compiled by manual data processing
- Simplified INSPIRE data delivery
- Further versions of CRD shall be maintained by ELS
 - Data provision by file (AtomF, GML, SHP...)
 - Compliance to WFS
 - Packaging product(s) as web-service(s)
- Harmonised data coverage
 - Bottom-up edge-matching in ELS / Open ELS
 - Top-down approach of edge-matching in the CRD production
 - Consultation on Connecting Features (CFs) to further CRD versions
 - Definitive composition of CFs for automated edge-matching

Prospects to future ELS infrastructure

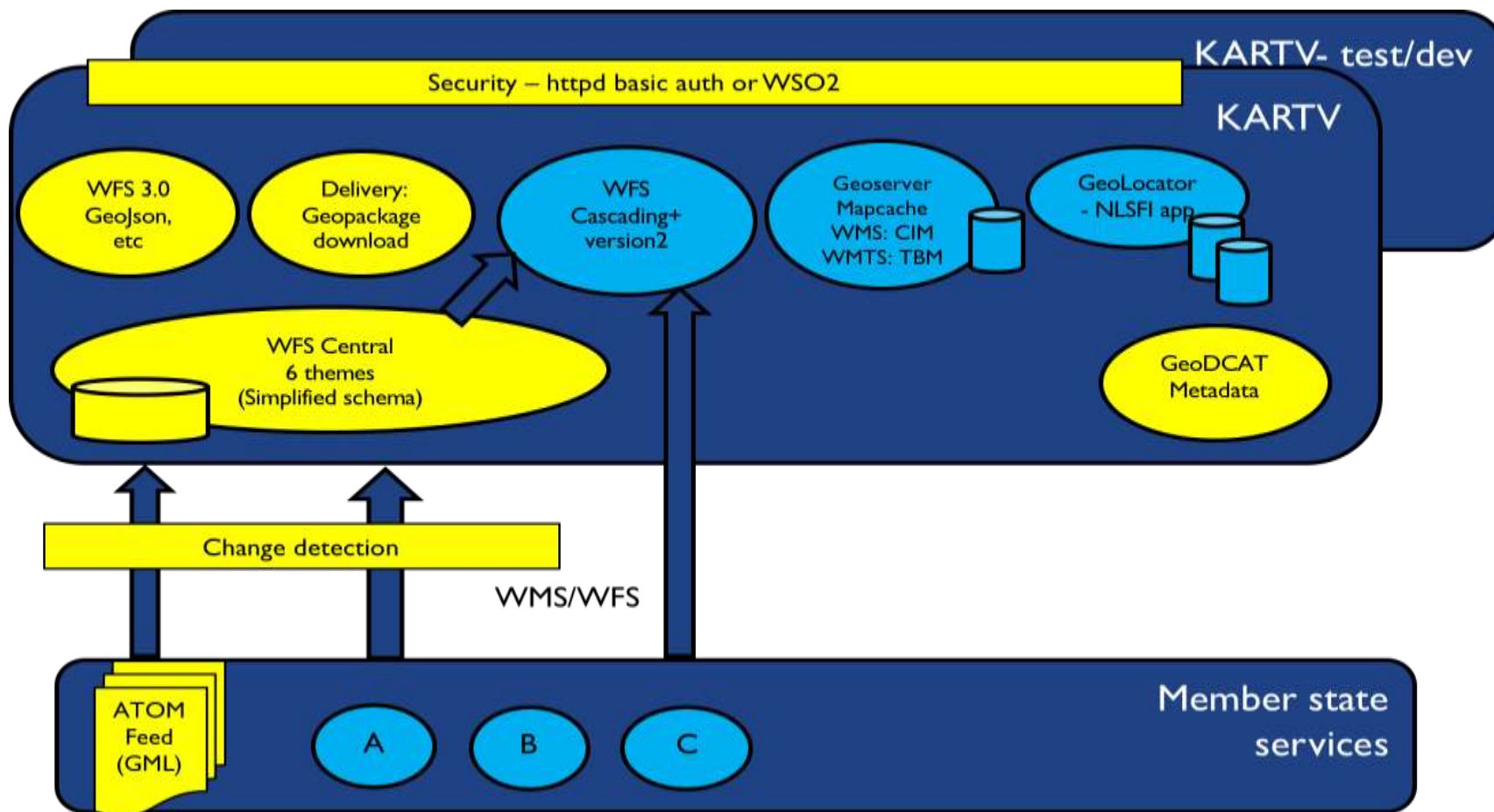
OpenELS Architecture (current) – in principle



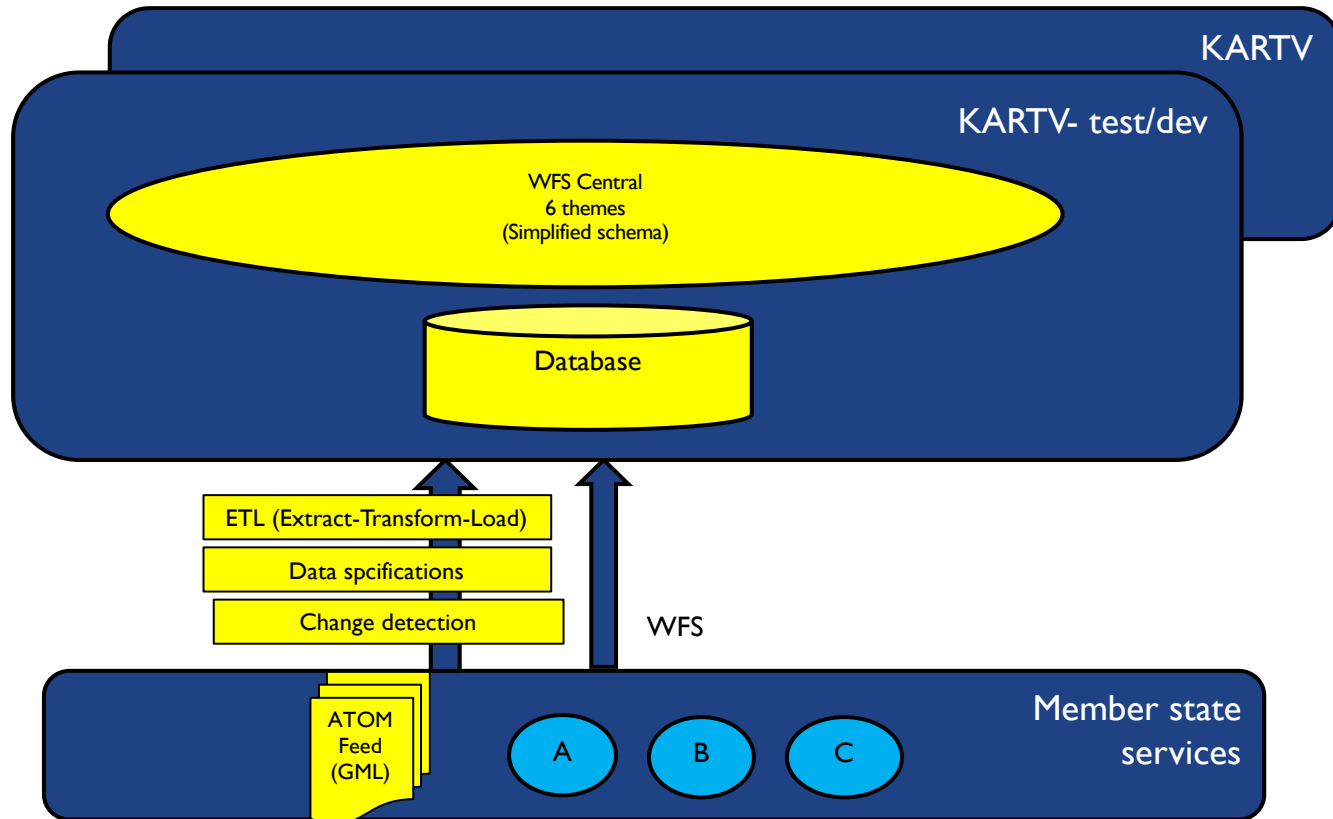
OpenELS Architecture (new components in green)



Prospect of the ELS future architecture - prototype



WFS Central – simplified data provision (like CRD)



Planned actions for prototyping the new concept

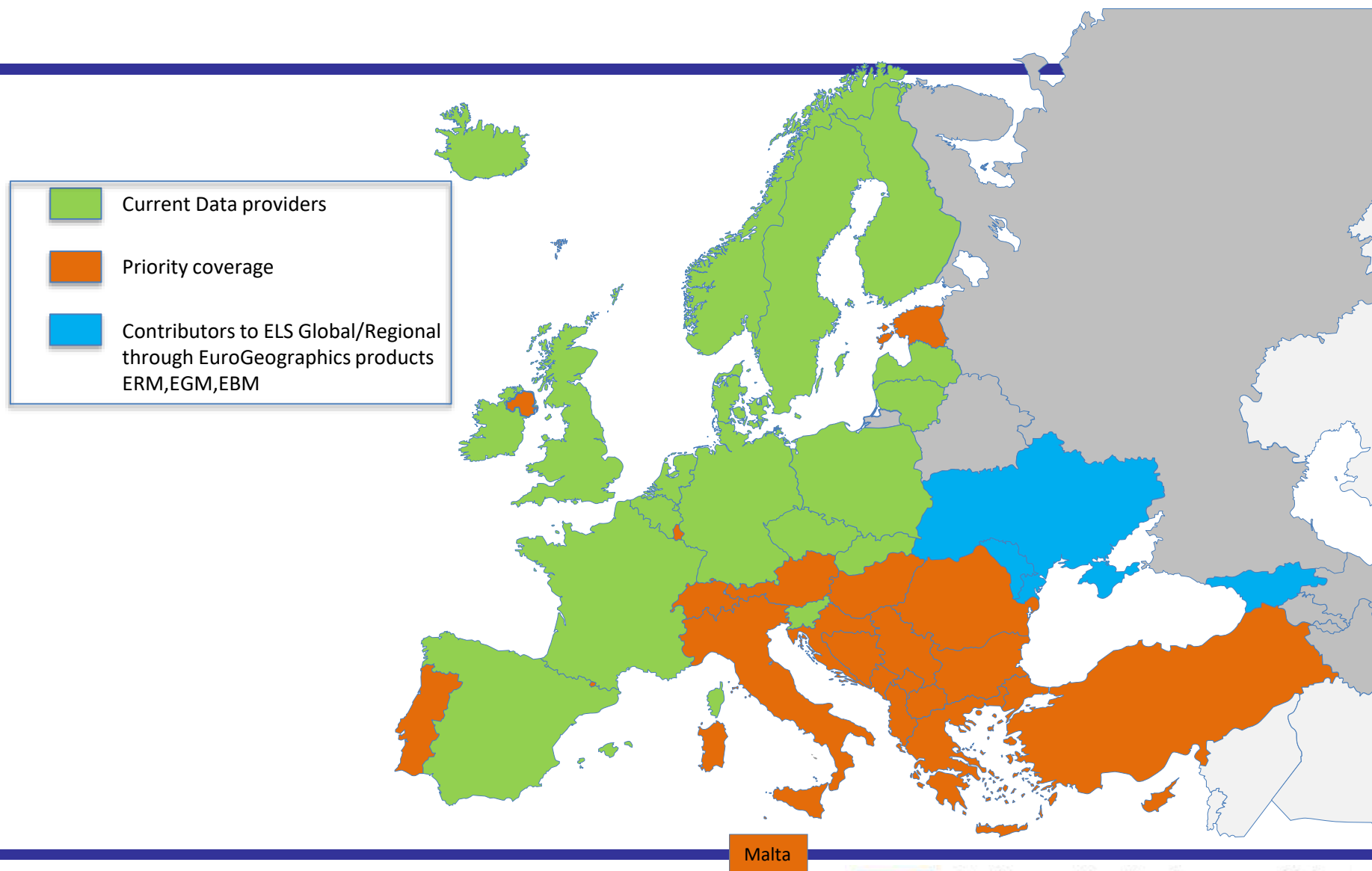
- Timeline: August – September 2018
- Partners involved: KARTV, NLSFI, KADASTER , EGHO
- Data themes: AD, AU, GN
- Countries: Czech Republic, Finland, Norway and Spain
- Scope of the technical work
 - Data/product specification (flattened and simplified data model)
 - ETL (Extract-Transform-Load) process using FME Workbench to read GML and upload content to PostGIS database
 - Geoserver installation and connection/configuration to PostGIS to publish simplified WFS
 - Incremental updates specification and FME process for updates using API from Norway, Spain and Czech Republic, and Atom feed from Finland
 - Configuration of different output encodings: GML, JSON, KML, Geopackage
 - WFS 3.0 installation (Idproxy) and configuration to expose WFS 3.0 REST API and setting up HTML and GeoJSON encodings

Opportunities for strengthening capacities in NMCA's

Planned type of activities

- Share technical competence
- Review NMCA's services / detail issues (in composition, performance)
- Provide training to the staff
- Organise a specific workshop(s)/webinar(s)
- Consultations
- Resources:
 - Open ELS project partners (NMCAs)
 - Technical consultants – Interactive Instruments (Germany)

Priority coverage for ELS and CRD



Workshop on capacity building and contribution to ELS/OpenELS

- 25-26 September 2018 in Brussels, Belgium
- Physical meeting with simultaneous webinar to follow
- Focus audience: candidates and new Data Providers
- Objectives:
 1. Brief NMCAs representatives on the ELS Transition programme and capacities contributing to ELS, OpenELS and Core Reference Dataset (CRD).
 2. Instruct on the process and share best practice for arranging contributions to ELS / OpenELS and CRD.
 3. Discuss demands for capacity strengthening (training, consultation, support in customisation) for NMCAs serving data and/or web-services
- Registration and more information on [EG website \(Members Only\)](#)
- Flight ticket cost might be covered by EuroGeographics

In the meanwhile

Consultation with NMCAs on

- Available data themes / products
- Demands for support
- Issues and constrains

Individual (organization focused) engagement

- Webinar(s)
- On-side meeting(s)

Please contact [Saulius by email](#) or through the [Open ELS Helpdesk](#)

Other meetings

Open ELS Activity 3 meeting

- 30-31 October 2018 in Madrid, Spain

Open ELS Activity 3 web-meetings (TBC)

- 3rd September 2018
- 2nd October 2018
- 8th November 2018
- 14th December 2018

17-21 September 2018 - INSPIRE conference

27-28 November 2018 – INSPIRE KEN workshop “Use of INSPIRE data”

Thank you for the attention

