

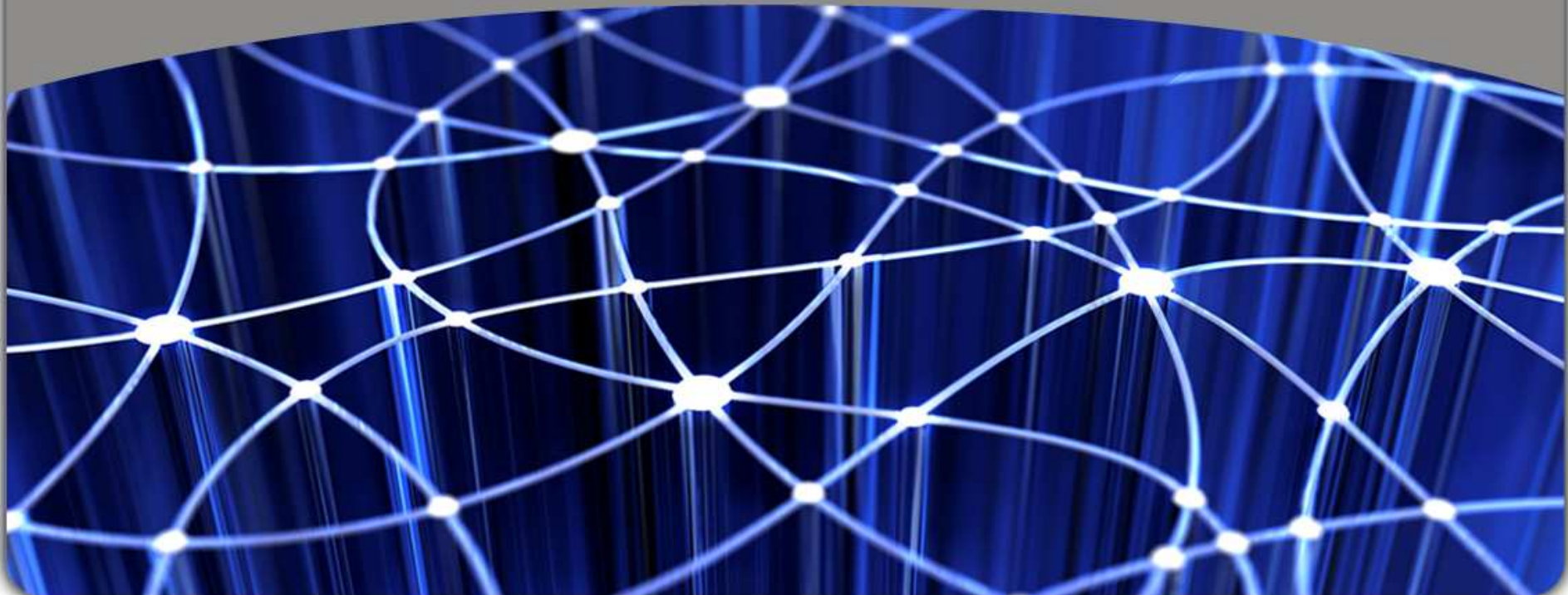
A white five-pointed star with a white line extending from its top-left point towards the top-left corner of the slide.

# SECOND CONGRESS ON CADASTRE IN BOSNIA AND HERZEGOVINA

## Supporting Cadastre, Land Registry and Mapping in Europe

Dave Lovell Executive Director

September 2011



# Topics covered

- EuroGeographics – who, what and why
- European Spatial Data Infrastructure Network (ESDIN);
- The European Location Framework (E.L.F.)
- A European Cadastral index
- EuroGeoInfo
- Cooperation and Collaboration

# EuroGeographics Membership

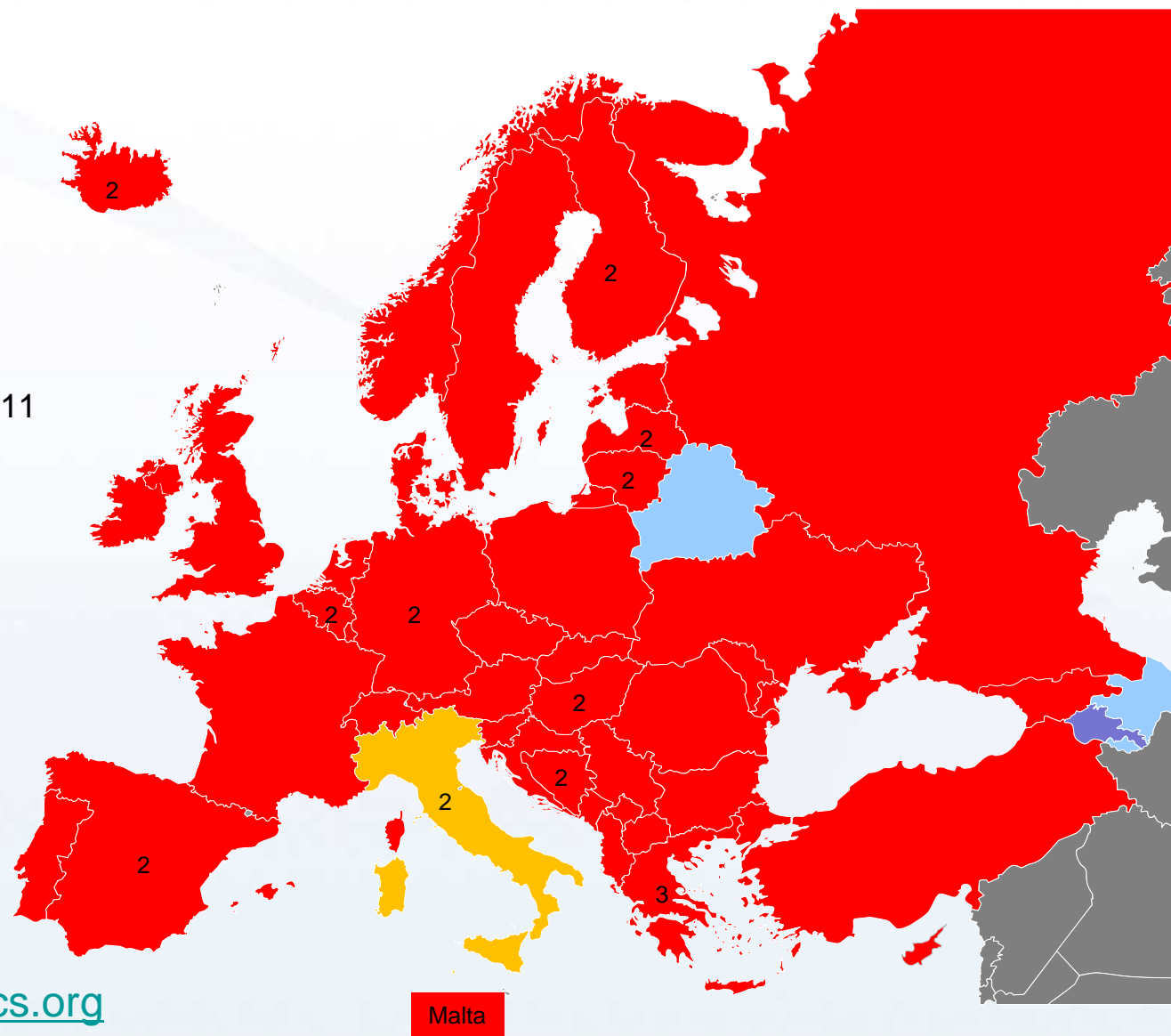


- Full
  - Associate
  - Non member
  - Out of scope
  - Associate Pending
- General Assembly 2011

56 members  
45 countries

Rue du Nord 76  
Noordstraat 76  
1000 Brussels  
Belgium

[www.eurogeographics.org](http://www.eurogeographics.org)



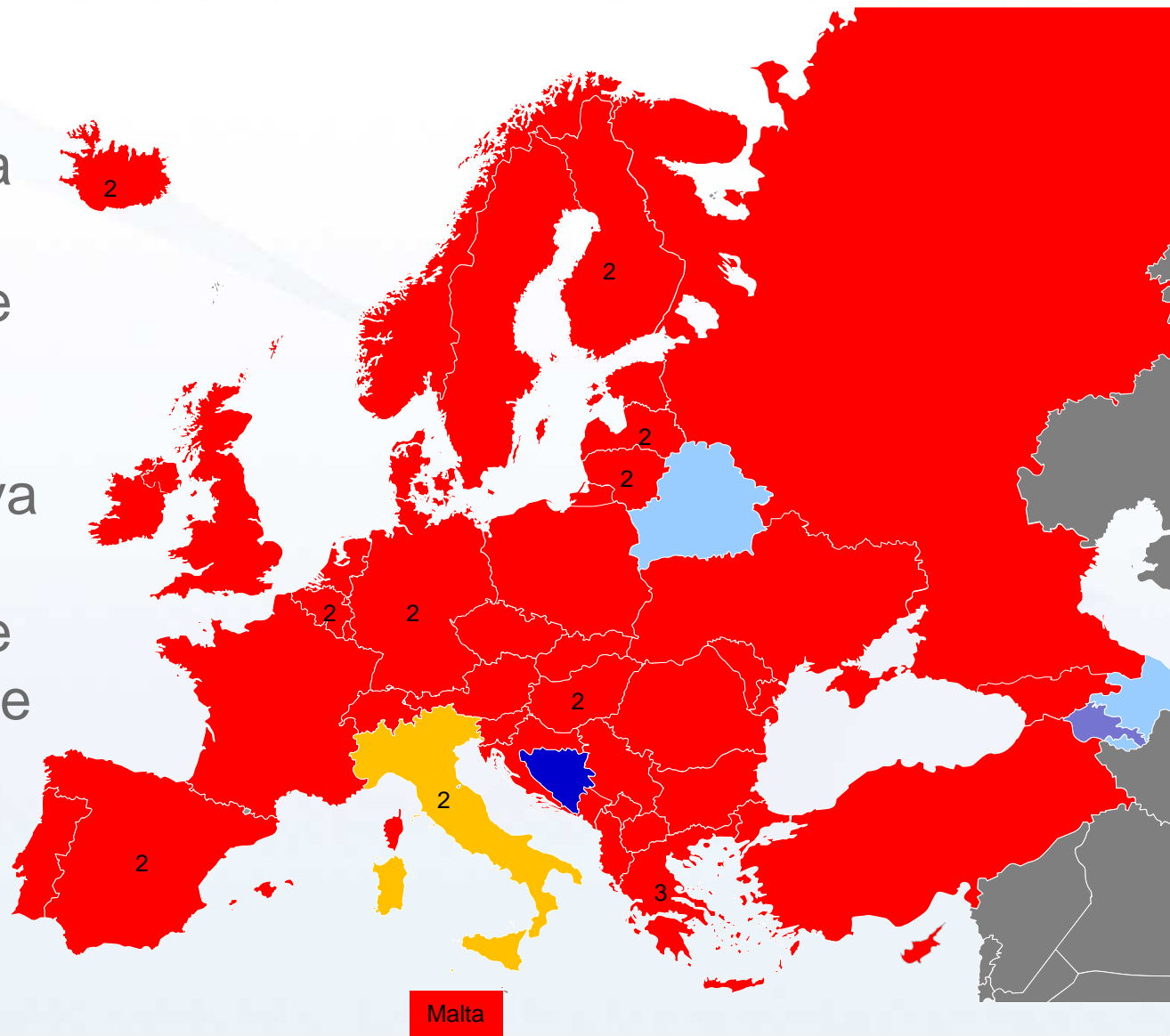
# EuroGeographics Membership



Federalna uprava  
za geodetske i  
imovinsko-pravne  
poslove

*i*

Republička uprava  
za geodetske i  
imovinsko-pravne  
poslove Republike  
Srpske



# EuroGeographics Membership

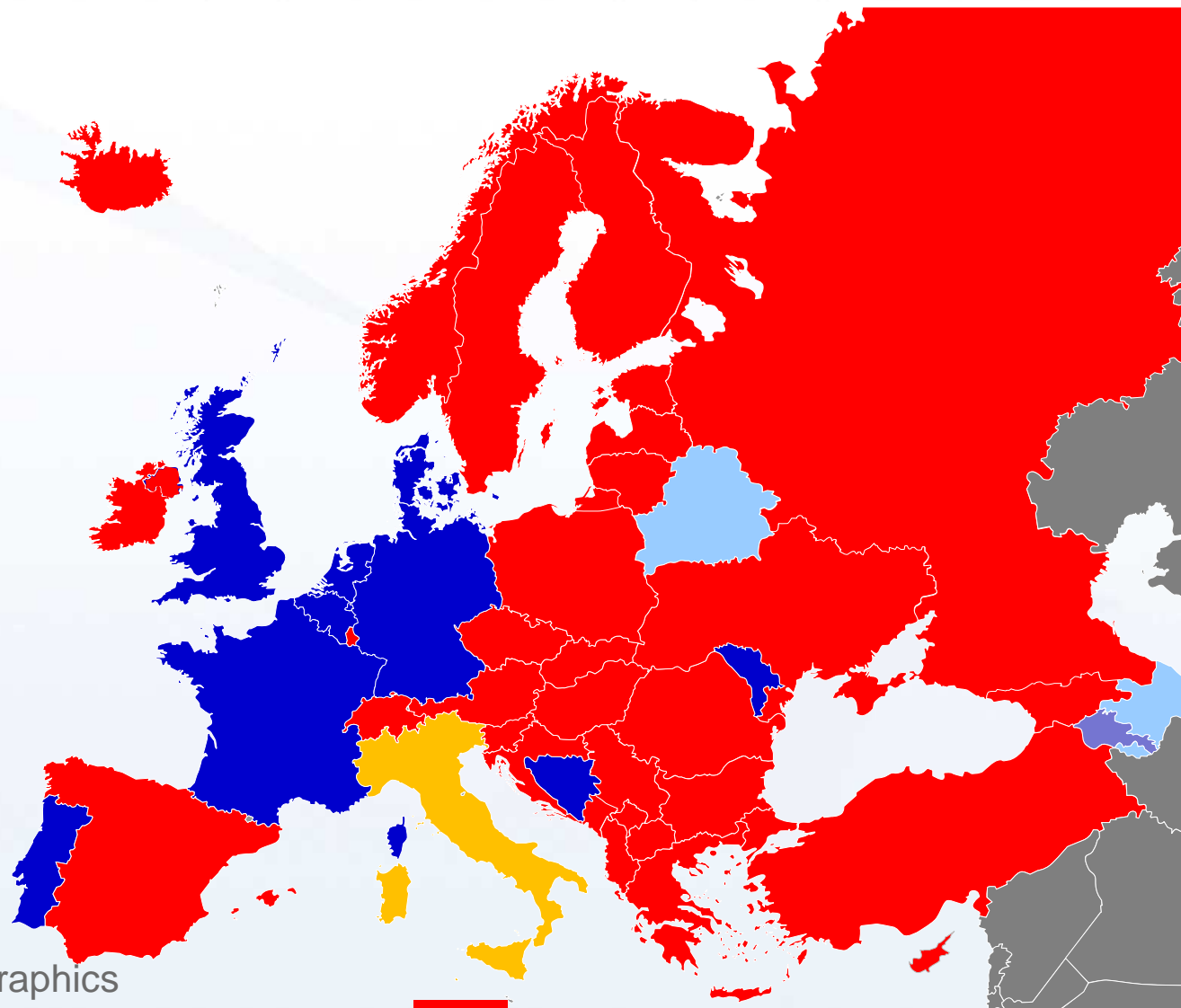


## ■ Board Members

- Belgium
- Bosnia & Herzegovina
- Denmark
- France
- Germany
- Great Britain
- Moldova
- Portugal
- The Netherlands



Zeljko Obradovic  
Member of EuroGeographics  
Board since 2009



Malta

- Established by Europe's National Mapping, Land Registry and Cadastral agencies;
- Deliver on their behalf the European Location Framework to support Public Administration:
  - Currently and for so long as necessary, 4 pan-European harmonised products and two services;
  - Eventually a services infrastructure to aggregate the **National Spatial Data Infrastructures** available from European countries to deliver the **European Spatial Data Infrastructure**;
- Help members advance their technical and business requirements through sharing knowledge and experience;
- Ensure members are well informed about, and have the opportunity to influence European policy.



*To further the development of the European Spatial Data Infrastructure through collaboration in the area of geographical information, including topographic information, cadastre and land information.*



- a) by keeping NMCAAs informed about European policy;
- b) by facilitating the exchange of business, technical, policy and other information between NMCAAs;

# Delivering Member's information



c) in pan-European harmonised datasets



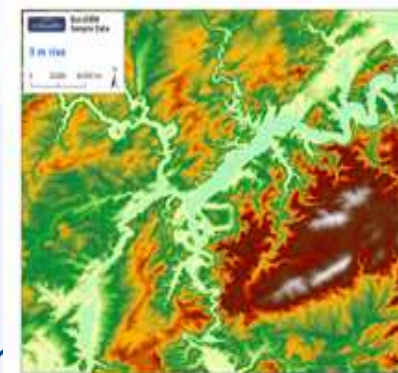
**EuroBoundaryMap**



**EuroGlobalMap**



**EuroRegion**



**EuroDEM**

d) through interoperability projects



# EuroGeographics Network



## MOUs



WPLA

## Working towards MOUs



## Memberships



## Other relationships



## National Spatial Data Infrastructures (NSDI)



A significant proportion of our nations' economic development and social and environmental well being is heavily dependent upon land related activities. For example, mining, farming, forestry, transport, tourism, fisheries and the planning of services for the community to name a few. Much of what we want to do in these areas can only be achieved with good, consistent land and geographic information being available and readily accessible to the private and public sectors as well as the community at large.

<http://www.bakosurtanal.go.id/bakosurtanal/assets/download/dokumen-standar/FundamentalDatasetAustralia.pdf>

Government agencies and other organizations are frequently asked for quick responses to natural disasters, industrial accidents, environmental crises, and homeland security alerts. Much of the information needed to make sound decisions in such cases is based on geography. There is constant pressure to make wise decisions in a more cost effective and efficient manner. Accurate and current geospatial data are critical to these decisions.

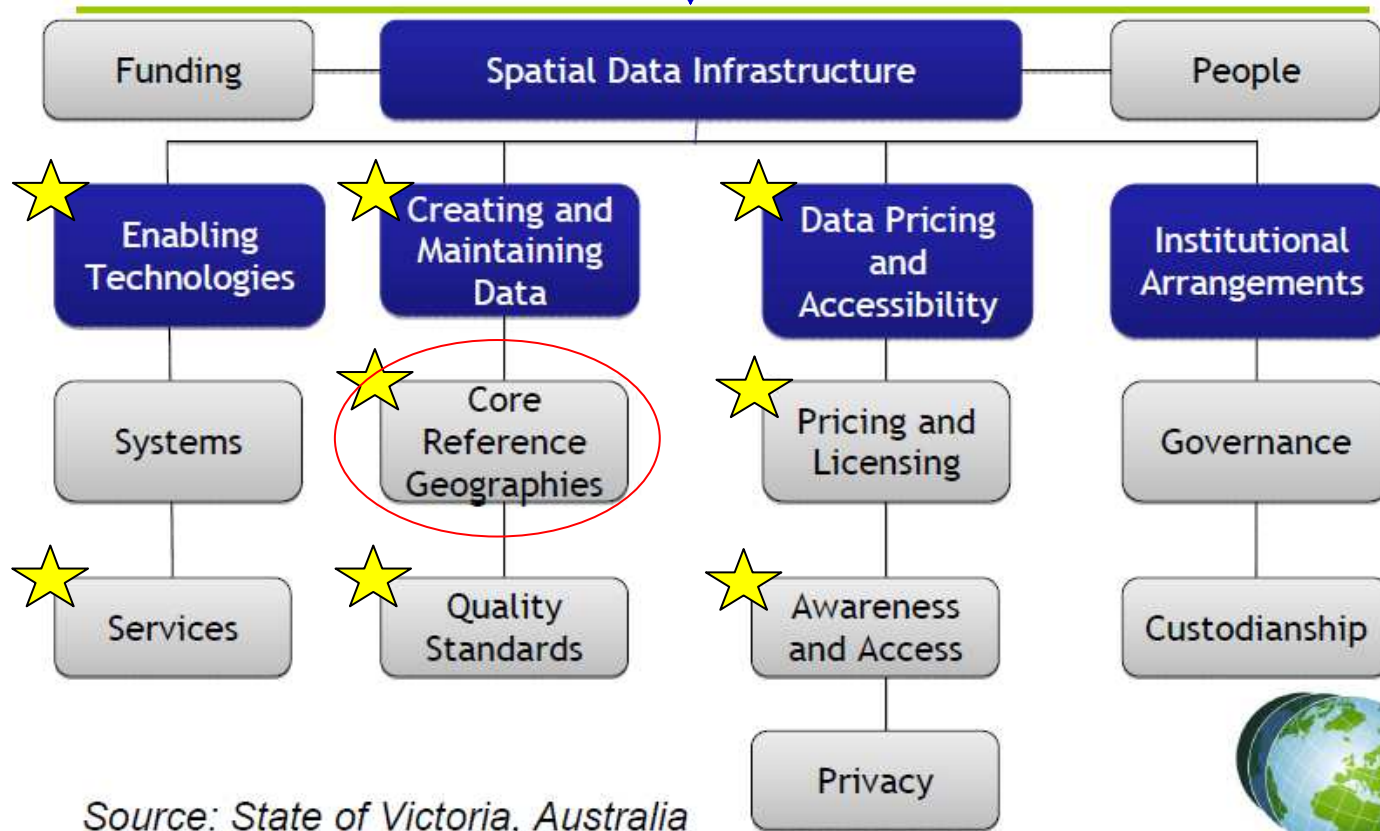
<http://www.fgdc.gov/library/factsheets/documents/nsdi.pdf>

**To support better decision making and service delivery.**

Leadership

FGU?

## Components of an SDI



Source: State of Victoria, Australia



This notice in TED website: <http://ted.europa.eu/udl?uri=TED:NOTICE:160970-2011:TEXT:EN:HTML>

**B-Brussels: IPA — Inspiration — spatial data infrastructure in the western Balkans**

**2011/S 99-160970**

**Location: Europe (non-EU) — Albania, Bosnia and Herzegovina, Croatia, Kosovo, the former Yugoslav Republic of Macedonia, Montenegro, Serbia**

**Service procurement notice**

# EuroGeographics contribution to Spatial Data Infrastructure Development



European Spatial Data Infrastructure Network

- A better understanding of user requirements
- Harmonised specifications for data
- Transformation rules and services
- A comprehensive quality assurance approach, including automation of quality evaluation services
- Generalisation rules and services
- A modular approach to pricing and licensing and a Geo Product Finder
- A more efficient way of gaining access to the data – Federations authenticated by Shibboleth
- Tools for testing the infrastructure
- Proposals and tools to manage maintenance and updates
- A solution to technical architecture.

[www.esdin.eu](http://www.esdin.eu)

# EuroGeographics contribution to Spatial Data Infrastructure Development



European Spatial Data Infrastructure Network

## Project deliverables available for everybody

1. INSPIRE compliant data specifications for:
  - a) small scale
  - b) and large scale
  - c) and transformation tools
2. best practice guidelines on managing edge-matching of cross border features
3. lifecycle management at national and European level
4. best practice report on quality
5. maintenance of stable unique identifiers at a European level
6. INSPIRE testing service for any of the Annex 1 themes
7. with the test components available under open licence
8. a browser based client for view and download of data and the code for this
9. best practise on generalisation from medium to small scales

<http://www.esdin.eu/project/summary-esdin-project-public-deliverables>

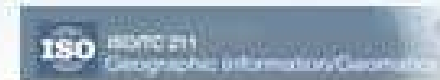
# EuroGeographics contribution to Spatial Data Infrastructure Development



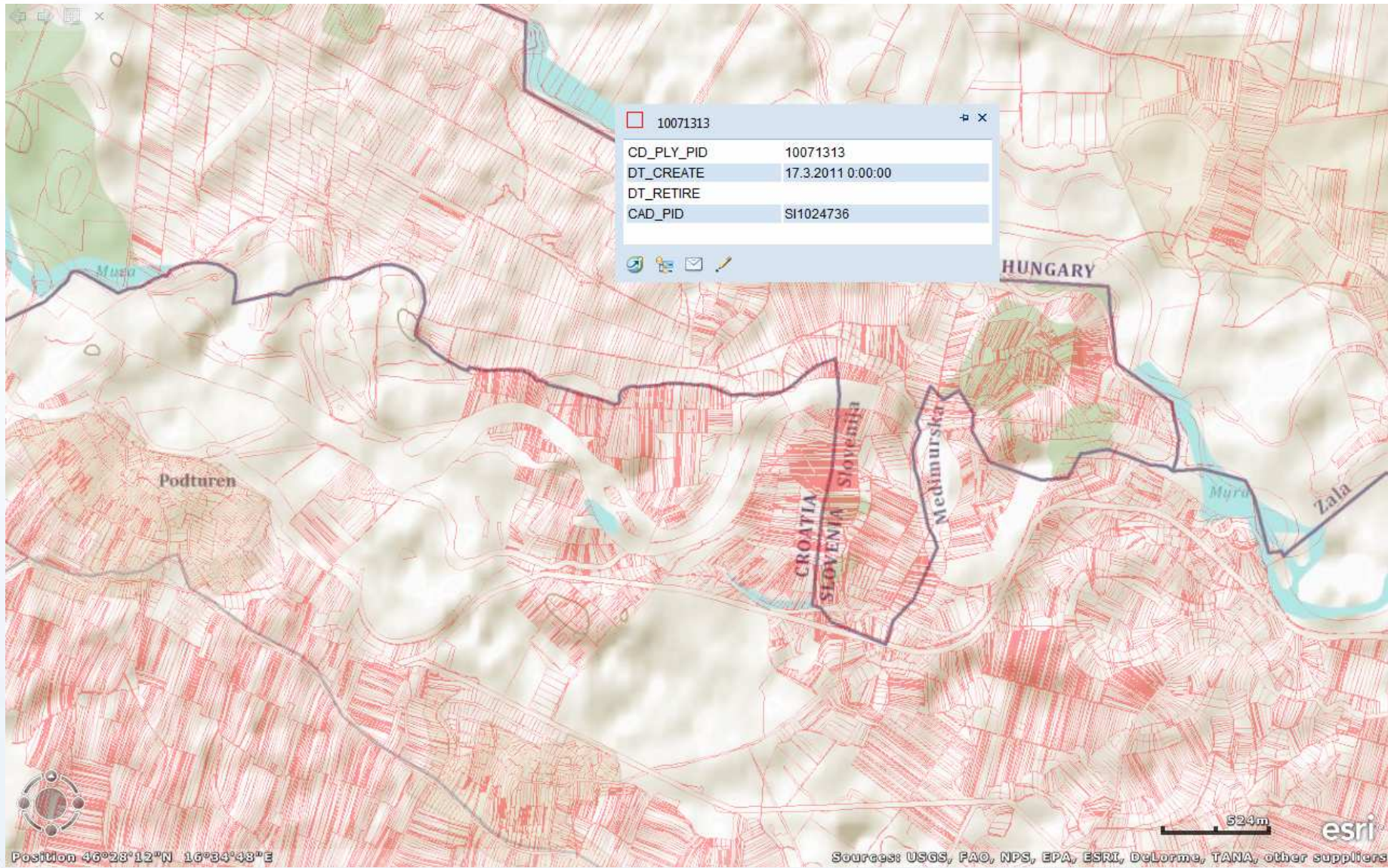
European Spatial Data Infrastructure Network

## The European Location Framework

- Set of specifications for *reference data* and *interoperability services*
- *Interoperability across resolutions, themes and between countries for topographic, administrative and cadastral reference data.*
- Reference data services implemented by the Member States (NMCAs)
- Interoperability services by commercial actors
- Co-ordination by European organizations (e.g. EuroGeographics)
- Funded by Member States, Commission and users
- Community of users and other data providers, developers, service integrators, etc.



# Developing European possibilities



# Providing information



[www.eurogeoinfo.eu](http://www.eurogeoinfo.eu)

National spatial data infrastructures

National products and services

Pan-European products and services

Contact

## Welcome to EuroGeoInfo

### Your source of official European mapping information

From roads to rivers, property ownership to land use, Europe's National Mapping and Cadastral Agencies collect and maintain a wealth of geographical information.

EuroGeoInfo is here to inform you about and help you obtain both pan-European geographic reference data and detailed geographic information from across Europe.

This map viewer demonstrates the content and coverage of the products of EuroGeographics, the Association of National Mapping and Cadastral Agencies of Europe. The current service contains data from EuroGlobalMap (v4.0), EuroRegionalMap (v3.2) and EuroBoundaryMap (v5.0). Details of the data used in this service can be found in [this document](#). Terms and conditions of use are available [here](#).



**National Spatial Data Infrastructures**

**National products and services**

**Pan-European products and services**



# View European level Reference Data



[www.eurogeoinfo.eu](http://www.eurogeoinfo.eu)

National spatial data infrastructures	National products and services	Pan-European products and services	Contact
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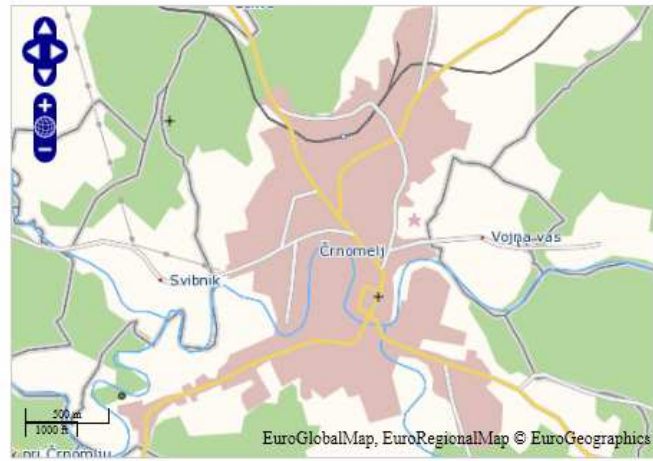
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**National Spatial Data Infrastructures**

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# View European level Reference Data



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EuroGlobalMap, EuroRegionalMap © EuroGeographics

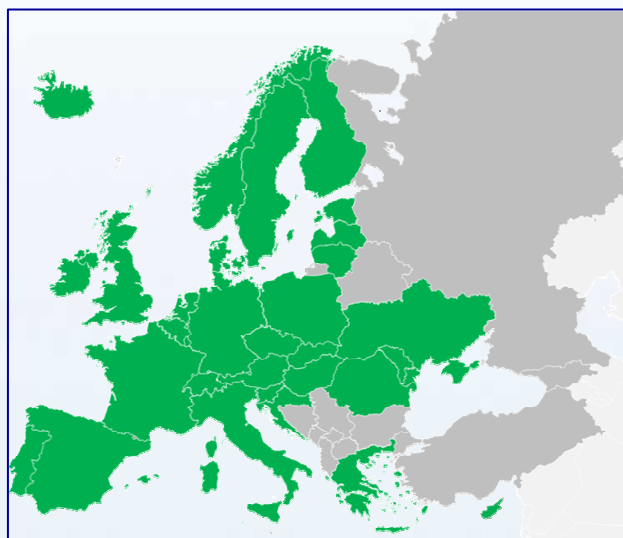
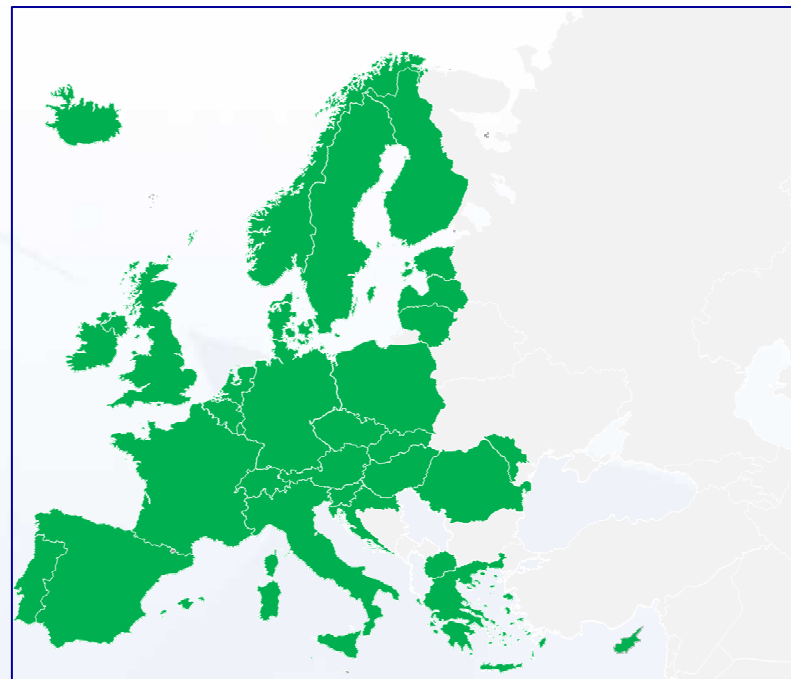
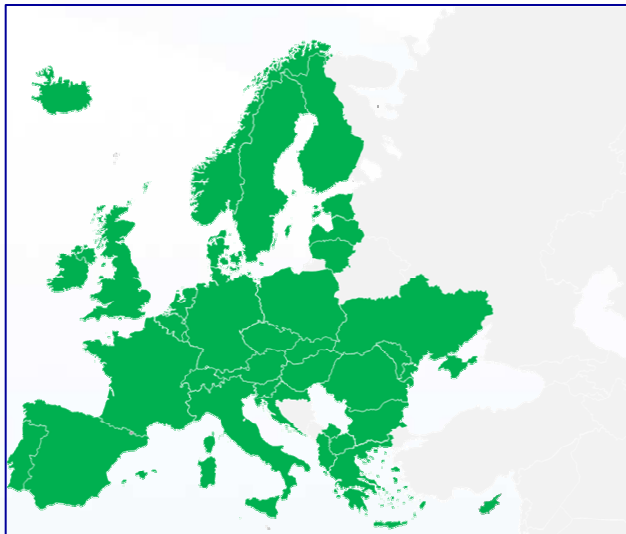
**National Spatial Data Infrastructures**

**National products and services**

**Pan-European products and services**



# The importance of this region



And finally .....



Together we are stronger



**Thank you!**