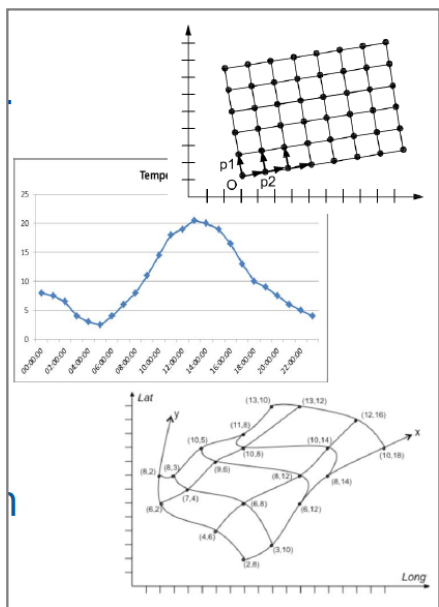


## Workshop

# Implementation and potential of INSPIRE coverage data and WCS

## Introduction



[www.jrc.ec.europa.eu](http://www.jrc.ec.europa.eu)

*Serving society  
Stimulating innovation  
Supporting legislation*



# Context



# Initial workshop

- On 29-30 September 2015, in Barcelona
- Organised by:
  - INSPIRE KEN
    - Knowledge Exchange Network from EuroGeographics
  - INSPIRE Thematic cluster
    - INSPIRE Maintenance and Implementation Framework (MIF)
    - Cluster 3 (RS, GG, OI, EL)
- Objectives:
  - Share experience about implementation of coverage data and services
  - With focus on themes EL (Elevation) and OI (ortho-image)



# What is INSPIRE KEN?



- A Knowledge Exchange Network
  - A EuroGeographics group launched in 2011
  - Open to any NMCA staff having interest in INSPIRE
  - Main objective: help one another by sharing experiences about implementation of INSPIRE
  - Activities:
    - Exchange on BaseCamp
    - Webinars
    - Workshops



# What is INSPIRE KEN?



- Great interest and lots of previous workshops about data transformation:
  - Strategy for data interoperability (2013)
  - Tools and methods for data transformation (2013)
  - Coordination between data producers for interoperability (2014)
  - Transformation of themes TN and HY (2014)
  - Transformation of other vector themes :AD, AU, BU, CP, GN (2015)



## What is INSPIRE KEN?



- Great interest workshops about data transformation:
  - **Missing topic: transformation of coverage themes OI and EL**
  - But very limited experience in NMCAs
  - Co-organisation with INSPIRE Thematic cluster 3



# What are Thematic Clusters?

## – Knowledge Exchange Network

- Set up by European Commission

## – Objectives :

- **Build communities of INSPIRE implementers** in the EU as well as in MSs around **clusters of themes**
- **Create an on-line platform** for sharing experiences and for discussing implementation issues and approaches
- **Address already identified issues** on data specifications of Annex I, II and III and **propose** (if relevant) **concrete change proposals to the INSPIRE MIG**

## What are Thematic Clusters?



Elevation



Orthoimagery



Coordinate reference systems



Geographical grid systems

Exchanges in Thematic Cluster 3 provided knowledge about:

- Main stakeholders
- Main issues





# Initial workshop

- On 29-30 September 2015, in Barcelona
- Objectives:
  - Share experience about implementation of coverage data and services
  - With focus on themes EL (Elevation) and OI (ortho-image)

# Initial workshop



Time	Topic	Presenters
Day 1 morning	Training session about coverage data and services	Alex Dumitru (Jacobs University)
Day 1 afternoon	National experiences transforming EL and OI – ELF activities	NMCAs
Day 2 morning	WCS experiences	MIWP-7, ocean and meteo communities
Day 2 morning	Discussion on open issues	all





## Following activities

- Webinar on January 2016
  - context: Peter Bauman (Jacobs University) to provide answers to remaining questions
- **(continuously updated) list of open issues**
  - capture main conclusions
  - in a common understanding!

- All documents (presentations, videos, minutes) available on

<http://www.eurogeographics.org/content/inspire-ken-29-30-september-2015>



# Following activities

- INSPIRE conference
  - Yesterday presentation
    - **Challenges Implementing INSPIRE coverage data**
    - Overview
    - For coverage “dummies” by coverage dummy!
  - Today workshop
    - **Implementation and potential of INSPIRE coverage data and services**
    - 2 sessions (9h and 11 h)
    - Organised by Jordi Escriu
    - For more detailed information and open discussion
    - With coverage experts!



# Objectives and Agenda



# Objectives

- **To share knowledge about coverage data and services**
  - **Presentations**
  - **Discussions**

# Agenda

- **Session 1: INSPIRE Coverages and WCS – State of the Art**

INSPIRE Coverages and WCS – Basic concepts & Overview of relevant implementation issues	Jordi Escriu
The new INSPIRE WCS: Progress in MIWP-7b	Jari Reini
<b>Experiences and expectations on coverages, WCS and applications</b>	
Experience from ECMWF.	Julia Wagemann
Potential of WCPS	Alex Dumitru / Peter Baumann

# Agenda

- **Session 2: INSPIRE Coverages and WCS Implementation**

<b>Challenges of INSPIRE &amp; Copernicus</b>	Peter Strobl
<b>Discussion</b>	All
Huge volume of coverage data	
Tiling and aggregation of tiles	
Mosaicking	
Coverage extension	
Metadata hook	
<b>Coverage standardization evolution: From GMLCOV to CIS v1.1</b>	Peter Baumann