**INSPIRE KEN workshop about transformation of themes Elevation and Orthoimagery**

Place:

[Cartographic and Geological Institute of Catalonia](http://mercuri.icc.cat/website/guia/carrerer.html?CONSULTA=Institut%20Cartogr%C3%A0fic%20i%20Geol%C3%B2gic%20de%20Catalunya&XYADDRESS=429395:4580180&zoom=7&base=m) (ICGC) – Parc de Montjuïc - Barcelona– Spain

Estimated time:

29/09/2015: 9 h – 18h 00

30/09/2015: 9 h – 13 h 00

Context and objectives

The workshop aims to share NMCAs experiences about transformation of coverage-based themes, mainly Elevation and Orthoimagery. Data producers have to make their data conformant to INSPIRE before 2020 for annexes II and III (themes OI and EL are in annex II).

Whereas many NMCAS have already got significant experience about transformation and download services for vector themes, transforming and serving coverage-based data for INSPIRE is not yet widely spread and most of us are really willing to get more knowledge about these topics.

In addition, the MIF (Maintenance and Implementation Framework) of INSPIRE has launched Thematic Clusters that should share and consolidate the implementation experiences and make proposals for changes in the INSPIRE data specifications. Many NMCAs are also involved in the ELF project that involves theme Elevation and possibly Orthoimagery.

Consequently, it is a good opportunity for NMCAs to meet and share our experiences and issues about transforming and serving the INSPIRE coverage-based themes.

Expected outcomes:

* Get more knowledge about coverage data in general
* Get some ideas about the transformation experience on these 2 themes (main difficulties, potential solutions, choice between options …)
* Check if we have same interpretation of INSPIRE specifications ; this might be quite useful for the NMCAs involved in the ELF project as common understanding of INSPIRE models would ensure more homogeneous ELF data
* Identify potential common requests for change in INSPIRE specifications that might be reported to the MIG (Maintenance and Implementation Group)

Draft agenda

**Tuesday 29 September 2015 morning:**

|  |  |  |
| --- | --- | --- |
| **Time** | **Presentation** | **Presenter** |
| 9h – 9h 15 | Introduction | Dominique Laurent  Jordi Escriu |
| 9 h 15 – 10 h 45 | Training session | Peter Baumann or associated |
| 10 h 45 – 11h 15 | Coffee pause |  |
| 11 h 15 – 12 h 45 | Training session | Peter Baumann or associated |

Training session provisional program

1.      Introduction to coverage geometry and functions. Explaining the different coverage geometry elements and the difference between them (with a focus on those applied in INSPIRE). This topic should include a general explanation of the applicable standards on coverages (e.g. ISO 19123 and existing projects to update it, OGC related standards), let’s say “State of the Art about coverages”, to understand the coverage concept. It could be finalized with an overview of the INSPIRE model for coverages from the GCM and examples.

2.      Take some ad-hoc use case and work it out together with the help of EA. (some time will be used to further explain potential values and structures of domainSet, rangeSet and rangType, according to the use case)

3.      Capabilities on encoding, based upon preselected use cases.

4.      Service definition, ie: WCS ; Conformance testing (OGC). What is available.

5.      Setting up a WCS (or go through the process to set it up). The platform is up to the presenter, but it would also be interesting to enumerate other possible applications to make this transformation.

**Tuesday 29 September 2015 afternoon:**

|  |  |  |
| --- | --- | --- |
| **Time** | **Presentation** | **Presenter** |
| 14h 15 – 16h 15 | National experiences about transformation of themes EL and OI   * Experience from IGN France * Experience from ICGC * Experience from CUZK * Experience from Saxony (EL-OI) * Experience from IGN Spain | Dominique Laurent  Jordi Escriu  Veronika Kusova  Soren Dupke – Con terra-  Julián Delgado Hernández |
| 16 h 15 – 16h 45 | Coffee pause |  |
| 16 h 45 – 17h 45 | ELF activities   * State-of-play * EuroDEM * Pilot project on OI | Saulius Urbanas  Michael Hovenbitzer or Sebastian Lass (BKG)  Saulius Urbanas or Emilio Lopez |

**Wednesday 30 September 2015 morning:**

|  |  |  |
| --- | --- | --- |
| **Time** | **Presentation** | **Presenter** |
| 9h – 11 h 00 | Web Coverage Service:   * Basic notions of WCS and progress in MIWP-7b * National experience from Finland Meteorological Institute * Other national experiences | Jordi Escriu  Mikko Visa or Roope Tervo  Presenters to be found |
| 11 h 00 – 11h 30 | Coffee pause |  |
| 11 h 30 – 13 h 00 | INSPIRE Thematic Clusters -  State of play & Main discussion topics on coverages   * Thematic cluster (OI, EL) * Thematic cluster (LU, LC) | Jordi Escriu  Lena Hallin-Pihlatie |