

# **Commission on Geospatial Data Standards Commission sur les normes relatives aux donnees localisees**

#### Introduction to the Commission

The ICA Commission on Geospatial Data Standards began as an ICA Working Group, first meeting at the 14<sup>th</sup> International Cartographic Conference (ICC) in Budapest, Hungary, in 1989. As well as research on standards for geospatial data (including metadata), the Commission has also conducted research on spatial data infrastructures (SDIs). Currently, the Commission's terms of reference include:

- Developing conceptual models of SDIs.
- □ Explore research in the area of spatial semantics, ontologies and standards.
- □ Representing the ICA as a Category A Liaison to ISO/TC211, Geographic Information/Geomatics.

#### Activities

Since the 23<sup>rd</sup> ICC in Moscow, Russia, in 2007, the Commission's activities have included:

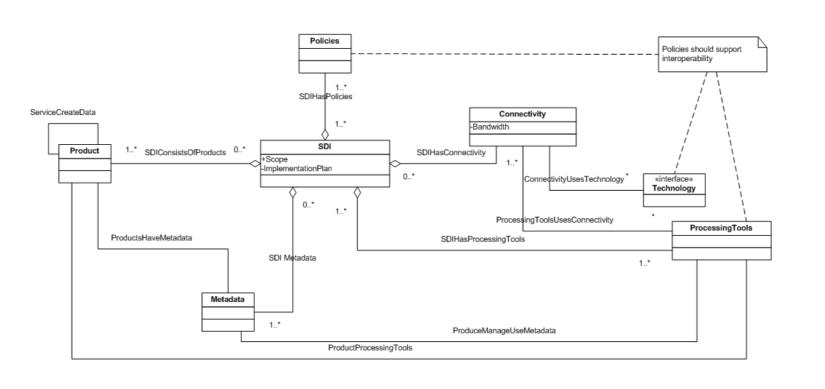
- □ On 13 November 2009, in collaboration with SNIT, members of the Commission (Dominique Laurent, Joselyn Robledo Ceballos, Giannina Reyes Gática and Antony Cooper) made presentations in a seminar for cartography students at Universidad Technológica Metropolitana del Estado de Chile (UTEM), before the Commission meeting in Santiago, Chile.
- □ Full Commission meetings were held at UTEM in Santiago, Chile, on 13 and 14 November 2009; at Wrocław University of Environmental and Life Sciences in Wrocław, Poland, 30 August to 1 September 2010, and at the International Hydrographic Bureau in Monaco, 27 to 29 June 2011.
- □ Mini meetings of the Commission were held at several meetings of ISO/TC 211 and at the Global Spatial Data Infrastructure Conference (GSDI-11): 30 October 2007 in Xi'an, China; 28 May 2008 in Copenhagen, Denmark; 4 December 2008 in Tsukuba, Japan; 28 May 2009 in Molde, Norway; 17 June 2009 in Rotterdam, The Netherlands; 4 November 2009 in Québec, Canada; 26 May 2010 in Southampton, United Kingdom; and 8 December 2010 in Canberra, Australia.



Preparing for the seminar at UTEM, 13 November 2009



Commission meeting in Wrocław, 30 August 2010



## **Publications**

- 1309.

- 211 document 211n2349.

### **Going forward**

A direct benefit of the collaboration in the Commission is that members Serena Coetzee, Antony Cooper and Adam Iwaniak secured a Joint Research Grant from the South Africa/Poland Agreement on Cooperation in Science and Technology to fund the project, "Volunteered Geographical Information (VGI) for Spatial Data Infrastructures (SDIs) and Geoportals".

For 2011-2015, the Commission's proposed new names are: Commission on Geoinformation Infrastructures and

- Standards
- géoinformation

The high-level UML classes of the enterprise viewpoint of an SDI.

For more information about this commission, please contact the chair of the commission, Mr Antony Cooper, CSIR, Pretoria, South Africa. Email: acooper@csir.co.za

□ Hjelmager J, Moellering H, Cooper AK, Delgado T, Rajabifard A, Rapant P, Danko D, Huet M, Laurent D, Aalders HJGL, Iwaniak A, Abad P, Düren U & Martynenko A, October 2008, "An initial formal model for spatial data infrastructures", International Journal of Geographical Information Science (IJGIS), Vol 22, No 11&12, pp 1295-

Cooper AK, Moellering H, Hjelmager J, Rapant P, Laurent D, Abad P & Danko D, 18 November 2009, "Detailed Services in a Spatial Data Infrastructure from the Computation Viewpoint", 24th International Cartographic Conference, Santiago, Chile.

Cooper AK, Rapant P, Hjelmager J, Laurent D, Iwaniak A, Coetzee S, Moellering H and Düren U, "Extending the formal model of a spatial data infrastructure to include volunteered geographical information", 25th International Cartographic Conference, Paris, France, 4-8 July 2011.

□ Reports on the Commission's activities in the ICA News of December 2007, June 2009 and December 2009.

□ Reports of the activities of ISO/TC 211 in the ICA News of December 2007, December 2008 and December 2009.

□ Submitted a liaison report from the ICA to the 25<sup>th</sup> Plenary of ISO/TC 211, Xi'an, China, 1-2 November 2007. ISO/TC

Commission sur les infrastructures et les normes de