

# ICA Commission on Multiple Representation and Generalisation, Business Meeting, ICC 2009 Chile

## Friday November 20<sup>th</sup>, 11 – 12 30

This meeting was attended by 20 conference delegates from around the World, including Australia, China, France, Germany, Italy, Spain, Turkey, UK and USA (Appendix A).

### **Presentation of the commission and related events**

- Introductions made by Patrick Revell, Ordnance Survey Great Britain;
- Participants outlined their respective interests;
- Explanation from Anne Ruas on links between commission and ICA;
- The terms of references were discussed;
- A summary of activities since Moscow 2007 were presented;
- 200 people now on mailing list for this commission
  - hope to develop it for discussion purposes;
- Next event is Geographic Information on Demand event in Sep 2010, more details regarding location and participation to be provided;
- Dirk Burghardt outlined the EuroSDR state-of-the-art generalisation report and explained that the final meeting was held in Paris in September;
- Workshop on 4<sup>th</sup>/5<sup>th</sup> Dec in Lund, Sweden on multiple representation and quality aspects relating specifically to city models: Monika (this will also run as a special feature in ISPRS journal).

### **Discussions**

*Workshop suggestions were requested:*

- Hands on practical workshop to highlight data quality issues, Steven
- Provide eLearning material, Monika Sester
- Consider writing a book using the experts who gave tutorials previously, (Anne Ruas)
- From the EuroSDR exercise on generalisation, share information on the data provider requirements, (Cynthia Brewer).

*Suggestions also requested for the commission website:*

- Is there any progress on putting algorithms online to be shared? (Anne Ruas)
- Uni of Zurich has done work on generalisation web services, client can be built on any GIS – at the moment one built on JUMP (open source). Nico Regnauld)
- Regnauld has also been building a client for Radius Clarity. This is a potential tutorial topic, and could be used as a basis for publishing algorithms. (Patrick Revell)
- Consider providing datasets online for test cases (eg EuroSDR datasets) – with due consideration of the copyright issues (Julien Gaffuri).
- Euro Datasets are not small, but were used from IGN Spain, OSGB, TDK, IGN France (Dirk Burghardt)
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*Ideas for improving breakout sessions:*

- Time slots are very short. Maybe vary length of presentations and have people apply for a slot to present their ideas, (Dirk Burghardt)

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- Cynthia, mix posters and presentations, so short presentations and then people can go to the poster and discuss with the presenter
- Invite NMCAs and data providers to present on business challenges (Patrick Revell)
- Include incremental update as a research topic within the Commission's work, since that is linked to multiple representation topic, (Patrick Revell)
- A number of research institutes are involved in the FP7 proposal called MIRACLE, (OSGB, IGN Spain, Universities of Hanover and Zurich, ISpatial) which relates to multiple representation, (Katalin Toth)
- Link papers to presentations on commission website, or provide link to the author if copyright issues arise (Cynthia Brewer)
- Add dissertations to the website, or provide link to the author if copyright issues arise (Cynthia Brewer)
- Help young researchers get published, (Patrick Revell)
- Invite Google or Open Street Map to talk about generalisation, (Dirk Burghardt)
- Microsoft doing work in this area, as a result of Multimap, (Steven Ramage)

*Other discussion topics:*

- New research areas: Maps for handicapped people. Look at a liaison with the people working in this area (Monika Sester).
- Dan Jacobson is a contact in that commission, (Anne Ruas)
- Cross-collaboration worked well with semantics community at Dagstuhl, (Patrick Revell)
- Paris will also be refereed and non-refereed, some will become part of book (Anne Ruas)
- Compile a short survey for people on mailing list to determine key areas of interest in order to help focus interest groups, (Steven Ramage)
- It will be possible to get more details of output from the University of Nottingham 8<sup>th</sup> Dec 2009, seminar on generalisation (Dirk Burghardt)

**Acknowledgement**

The commission chairs would like to thank Patrick Revell and Steven Ramage for their help in chairing and reporting this meeting

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**Appendix A – Attendees**

<b>Name</b>	<b>Organisation</b>
Dirk Burghardt	University of Dresden, Germany
Edith Punt	ESRI, Inc
Cindy Brewer	Pennsylvania State University, USA
Wes Stroh	Pennsylvania State University, USA
Tiina Sarjakoski	Finnish Geodetic Institute
Joachim Bobrich	Federal Agency For Cartography and Geodesy, Germany
Jose A Merino Martin	Instituto Geographico Nacional, Spain
Javier Gonzalez-Matesanz	Instituto Geographico Nacional, Spain
Katalin Toth	European Commission, DG. Joint Research Centre
Adam Iwaniak	Institut Geodeti i Geoinformatic, Poland
Robert Olszewski	Warsaw University of Technology
Maigoriata Wieczorek	University of Wroctaw, Poland
Monika Sester	Leibniz Universität Hannover
Larry Stanislawski	CEGIS, USGS
Tao Wang	Chinese Academy of Survey and Mapping
Necla Ulugtekin	Istanbul Technical University
Tony Moore	School of Surveying, University of Otago, New Zealand
Anne Ruas	IGN France, COGIT
Steven Ramage	1Spatial
Patrick Revell	Ordnance Survey, GB