

Minutes of the 2003 Business Meeting

Held at the 22th International Cartographic Conference
Durban - South Africa

Date and venue : 14 August 2003 08.30 - 10.00 . Conference Center, Durban, SA.

Attendance :

Karel Stanek (MU Brno, Czech Republic); Ahmet Yildirim (GCM, Turkey), Ali Ulubay (GCM, Turkey), Michael Govorov (USP, Fiji); Henrique Firkowski (UF Do Parana, Brazil); Davaid Fairbairn (U Newcastle, UK); Liqiu Meng (TU Munich, Germany); Tumash Reichenbacher (TU Munich, Germany); Alistair Edwardes (GIUZ, Switzerland), Dirk Burghardt (GIUZ, Switzerland); Bin Jiang (U Gävle, Sweden); Mats Söderberg (MS Gis & Mapping, Sweden); Adam Iwaniak (Agricultural University Wroctaw, Poland); Witold Paluszyski (TU Wroctaw, Poland); Robert Olszewski (TU Warsaw, Poland); Byron Nakos (TU Athens, Greece); Jan Bjorke (Defense, Norway); Nico Bakker (Topografische Dienst, NL), Robert McMaster (U Minnesota, USA); Nicolas Regnauld (OS, UK); Matthias Bobzein (U Bonn; Germany); David Forrest (U Glasgow; UK); Jean-Philippe Lagrange (IGN, France); Yolene Jahard (IGN, France); Cécile Duchêne (COGIT; France); Fang Wu (Zhengzhou institute of survey, China).

=> **26 People - 14 countries**

Chair :

Anne Ruas (COGIT, France), (AR is the following)
on behalf of Robert Weibel and Dianne Richardson
on behalf of Anne Ruas and William Mackaness

previous chairs 99-2003
new chairs 2003 - 2007

0. Agenda

The agenda was send out to the Commission affiliates prior to the business meeting (BM). No motions to amend the agenda

1. Chair's report (sept 99 - August 2003) :

AR presents the chair's report (from sept 99 to August 2003) written by Robert Weibel and sent to the ICA. Here are the main points :

- Membership: 10 members, 11 corresponding members and 27 affiliates
- Workshop : During the last 4 years the commission organised a workshop per year.
 - ⇒ Two of them were in collaboration with other groups :
 - ⇒ ICA Map production (Barcelona 2000)
 - ⇒ ISPRS IV/3 Data Generalisation and data mining (Ottawa 2002)
 - ⇒ The last WS was in Paris (IGN- April 2003) : 40 participants; 11 Countries, Free of charge
- Business meetings : One Business meeting is organised each year. Minutes are available on the web site : <http://www.geo.unizh.ch/ICA/docs/commission/minutes.html>
- Publication
 - Workshop papers are on the commission web site
 - A project of book on generalisation was initiated in Ottawa 1999 . The editorial board was composed of Dianne Richardson; Tiina Sarjakoski, William Mackaness. No much progress has been done. The new chairs should carry on this project with the ICA (R McMaster).
 - A book has been written and published in French 'généralisation et représentation multiple' - Publisher : Hermes - Anne Ruas (ed) - 2002 : 25 articles, 41 authors .<http://www.editions-hermes.fr/fr/> (follow 'recherche par traités' IGAT)
- Web site : www.geo.unizh.ch/ICA/ contains
 - ⇒ member DB ; literature DB;
 - ⇒ documents : minutes of workshop, business meetings
 - ⇒ gallery of results

To conclude, the items of the terms of reference have been clearly met, even if the book publication is not yet done and if some items of the web site are of little uses.

2-. New term of reference for the commission 2003-2007:

AR presents the new proposal written by Anne Ruas and William Mackaness (29th July 2003)

-
- To foster research and practical experience in multi-scale issues and automated map generalization and to form a network and focal point for researchers and practitioners in this domain.
 - To develop and evolve a critical mass of expertise able to provide support, guidance and constructive criticism to new researchers in the field.
 - To foster and maintain a liaison with related commissions within the ICA as well as in related national and international organizations (e.g. ISPRS, IGU, EuroSDR), including :
 - identification of contact persons,
 - timely mutual updating on planned activities,
 - organization of joint conference sessions and/or workshops.
 - To maintain a World Wide Web site for electronic dissemination of research on multi-scale issues and map generalization, including :
 - a membership database,
 - a bibliographic database,
 - examples of research projects and test data,
 - a ' last news' section advertising for workshops, recent books and articles related to generalization and multi-scale
 - links to related web sites.
 - To organize sessions and meetings for exploring the issues named above, including :
 - workshops held every two years in conjunction with international cartographic conferences
 - workshops in alternate years between ICA meetings, where possible, associated with conferences in the GeoSciences (such as ISPRS or Spatial Data Handling).
 - special sessions and/or panel sessions at international cartographic conferences, in collaboration with local organizers
 - one day outreach workshop every two years in conjunction with generalization workshop and the ICC, seeking to broaden the community by highlighting main generalization and multi-scale principles and results.
 - To produce publications for dissemination of the above efforts, including one special issue of a peer-reviewed scientific journal or a book every two years.
-

This new term of reference is very close to the previous one but add aspects related to multi-scale. It also proposes to add tutorials on generalisation and multiple scale.

⇒ *This new term of reference is approved by the BM assembly. The text is given to the ICA executives.*

AR proposes to change the name of the commission from ' MapGeneralization' to ' Generalisation and multiple representation' , to fit with the real activity of the commission and also to be coherent with the new term of reference.

⇒ *The new title 'Generalisation and multiple representation' is approved by the BM assembly. It is proposed to the ICA executives.*

3-. Some principles for the commission

Before presenting the planning, AR presents three propositions written by Anne Ruas and William Mackaness for comments :

- ⇒ The expert committee
- ⇒ The research workshop
- ⇒ The outreach workshop.

The expert committee

The chairs of the commission will create one *expert committee* per activity in order to facilitate our activities such as the workshop review process, publication, organisation of workshop, etc.

This *expert committee* will be composed of around 6 persons including the commission chairs.

Each expert committee is proposed by the chairs and is advertised on the commission web site.

⇒ *This proposition is approved by the BM assembly*

Generalisation and multiple representation research workshop

We propose to carry on the annual 2-3 days research workshop, with a maximum of 40 peoples, located close to the ICA conference (every two years) and close to an important GIS conference in between. This WS should be without registration fee.

The program is : the presentation of on-going research work and experiences including time for discussion after each presentation. It should also be an opportunity to organise some related commission tasks such as publication (book, journal) and the organisation of the tutorial workshop.

ICA Commission on Map Generalization(1999-2003)

ICA Commission on Generalisation and Multiple representation (2003-2007)

The selection of the public will still be based on paper submission, reviewed by the expert committee. The submitted papers will be download on the commission site and can be submitted to journal and conference after the workshop (benefit from review process and comments)

The subject of the paper must be related to generalisation and multiple scale. The content might be : research; production need or production experience; presentation of new GIS package close to generalisation and multi-scale issues

The public might be 1/ GIS research community 2/ Data producers (NMA) 3/ GIS producers

⇒ *this proposition is approved by the BM assembly*

Outreach workshop

The outreach (or training) workshop aims at giving lessons on generalisation and multiple representation. This tutorial will occur every two years, before the ICC.

The first specification are the following :

Content:

- ⇒ **Lessons** given by experts in generalisation and multiple representation including :
 - ⇒ Generalisation and multiple representation needs (from different viewpoints)
 - ⇒ Principles of generalisation; scale and multi representation
 - ⇒ Cartographic and data base views
 - ⇒ Main approaches, main algorithms
 - ⇒ Scientific domain around generalisation (what ? What for ?)
 - ⇒ Data base, AI techniques, etc.
- ⇒ Presentation of the existing activities
 - ⇒ Commission, teams, research project, etc.

public

- ⇒ Researcher / Engineer / Professor needing generalisation :
 - ⇒ Researcher that begins research in this field
 - ⇒ research team that begins working on generalisation
 - ⇒ Data producer engineer that needs to implement generalisation solution
- ⇒ *GIS or Cartographic or Computer science or Mathematical minimum background is required*

selection

- ⇒ The candidate send an email to the chair with required information. The chairs confirm the acceptance.
- ⇒ Preference will be given to candidates having a generalisation project (research) and / or corresponding to the following profiles

⇒ *The proposition is approved by the BM assembly with some comments and advises :*

1. *The BM assembly suggests to have more than one day (1.5 days) in order to let the time to the students to digest the lessons and to ask questions*
2. *The term ' Outreach' is not easy for non English native. ' Tutorial' is preferred*
3. *English native teachers should make some effort to speak slowly for the international community.*
4. *An open question is to know if people can attend the research WS (RWS) and the tutorial WS (TWS) the same year ? And what is the best sequence (RWS before TWS, or TWS before RWS ?). AR argues that normally both population are different, and if selection is done on submitted paper, people should not attend both WS the same year. This argument seems to satisfy the BM assembly.*

4- Workshop planning for next year :

2004 : Research Workshop on generalisation and multiple representation (RWS)

Date :	August 2004 in UK
Related conference :	SDH (Leicester) or IGU (Glasgow)
Fee	No registration fee
Selection	on submission of papers (as usual)
<u>Committee</u>	<i>to be defined in October</i>
Subjects	presentation of on-going research book on generalisation organisation of the tutorial workshop

ICA Commission on Map Generalization(1999-2003)

ICA Commission on Generalisation and Multiple representation (2003-2007)

Location : If it is Edinburgh, it is less expensive for the accommodation (university) and easier to organise. If it is at Leicester, it minimises the travel but it is less easy to organise.

Remarks : Mr Ahmet Yildirim (GCM, Turkey) and Ali Ulubay (GCM, Turkey) suggest to do the WS at Istanbul in July 2004 jointly with ISPRS commission IV/3 on Data mining and data Generalization (M Sester). AR argue that the ICA commission on generalisation already did a joint seminar in 2002 in Ottawa. We should try to do joint meeting with either other ICA commissions (such as Maps and the Internet) or with other institutions (such as EuroSDR)

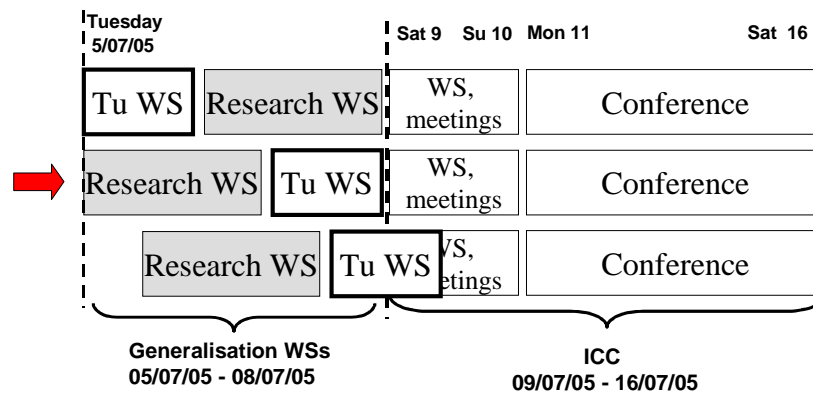
⇒ Date and location will be confirm as soon as possible (october 2003)

2005 : research and tutorial workshops (RWS & TWS)

date and location : Before the next ICA conference : La Coruna Spain - 09 July 2005 - 16 July 2005

- One Tutorial Workshop : 1 or 1.5 days
- One Research workshop : 2.5 or 3 days

Tu WS Tutorial Workshop : 1.5 / 1 days
R WS Research Workshop : 2.5 / 3 days



- ⇒ The BM assembly discussed on the best order between Tutorial and Research workshops. The majority prefers having the Research WS before the Tutorial WS. It is still open.
- ⇒ WSs will be : in La Coruña (Spain) btw Monday 04 of July 2005 and Saturday 09 of July 2005.
- ⇒ AR is in contact with Maria Pla (ICC) and Mr Ramon Lorenzo (who is the new vice president of the ICA and who is responsible for the next ICC meeting) and Mrs Pilar Sanchez-Ortiz (IGN-Spain) to arrange this meeting.

5-. Web site for the commission :

Zurich web site <http://www.geo.unizh.ch/ICA> will be used as a model to build the new web site managed by the IGN France COGIT Laboratory. A link will exist btw both sites. AR presents an analysis of the existing web site done with Martin Galanda (Zurich) in order to improve few points :

Affiliates :

The database of members is very useful. It will be maintained by the COGIT lab

The mailing list (generalize@geo.unizh.ch) that was asked during a previous BM by members, is not used at all. Matthias Bobzien would like to maintain it, Nicolas Regnauld propose a *forum*, Alistair Edwardes and Dirk Burghardt are against forum.

⇒ AR proposes to have no mailing list and no forum right now, but to activate email contact

Literature :

The data base is very rich (665 records) ... but very old (articles older than 95)

AR proposes to :

- update it soon with our own researcher publication
- add a first page that would contain a kind of top' 10 : ' books and papers to begin with'

Cécile Duchêne proposes to add some keywords to help searching.

⇒ AR will ask the commission members to send new references and a top 10 list.

ICA Commission on Map Generalization(1999-2003)

ICA Commission on Generalisation and Multiple representation (2003-2007)

⇒ *The COGIT laboratory will update the DB.*

R&D resources :

This section is composed of two parts that are very interesting but not used 1/ Online resources for coding generalisation tools 2/ Sharing Code Platform of the Commission on Map Generalisation

⇒ *Alistair Edwardes from GIUZ (Zurich) accepts to maintain it according to the progress in this domain. As an example the last ACI paper related to the platform should be available here in pdf.*

Gallery: the gallery section presents results. It is very interesting but a bit subjective.

⇒ *The commission chairs will be in charge of asking recent images and explanation to researchers.*

6- Publication plan

The project of writing a new book on generalisation is still alive. The editorial board composed of Dianne Richardson, Tiina Sarjakoski, William Mackaness and Anne Ruas should meet soon in Europe.

⇒ *Robert McMaster, the ICA head for publication, confirms that this is an important task of the commission.*

⇒ *AR confirms that a meeting is planed for the next two months and that one of the task of the next research workshop in UK in august 2004 is to work on this book.*

7 . Next Business meeting

⇒ the next business meeting will be during the research workshop (certainly SDH - UK - August 2004)

⇒ the following business meeting will be during the ICC : La Coruna Spain 09/07/05 - 16/07/05

8. Miscellaneous

⇒ *Robert McMaster, vice president of the ICA, recalls that the work of the commission is very good BUT that the commission should spend its ICA budget. This budget could be used for a Special Issues on Generalisation and Multiple Representation.*

Anne Ruas
A Paris, le 5 Septembre 2003.