

# Commission on Use and User Issues

# Report 2011 - 2015



#### Membership

#### **Core Group**

- Chair: Dr. Corné van Elzakker Faculty ITC, University of Twente, The Netherlands
- Vice-chair: Dr. David Forrest School of Geographical & Earth Sciences, University of Glasgow, UK
- Vice-chair: Dr. Kristien Ooms Department of Geography, Ghent University, Belgium
- Vice-chair: Dr. Alexander Pucher Department of Geography and Regional Research, University of Vienna, Austria

# 125 members – through mailing list

- all over the world
- almost half female
- variety of backgrounds
- many PhD researchers

Use and User Issues in Cartography and Geo-information Processing and Dissemination

4 

Conference, which will take place from 25 - 28

fferent areas of cartography. The deadline for the abstrac

isualization and Geovisualization, the Commission ganized a very successfull pre-ICC2013 Workshop of Vorking with Eye-Tracking on 23 & 24 August 2013 in

# Website www.univie.ac.at/icacomuse

- **Dynamic & Up-to date**
- **Information:** 
  - Important News
  - Upcoming Meetings
  - Past meetings
  - Conferences & Workshops
  - Other activities
- New sections:
  - Vacancies and PhD positions
  - PhD dissertations
- **Online Bibliography:** 
  - Annotated
  - Accessible to everybody
  - Filled up
  - Most recent publications
  - Result of commissions' workshops, conferences, etc.
  - Searchable

### **Business meetings:**

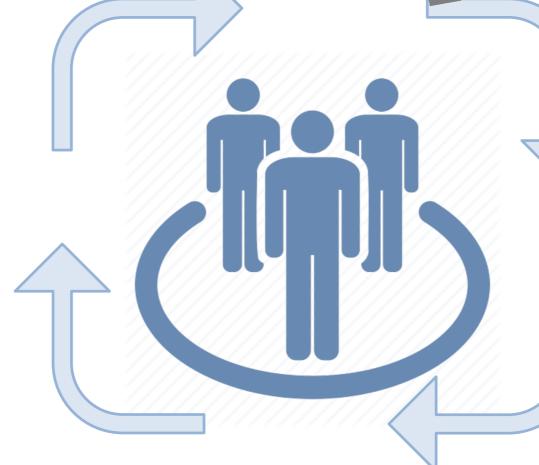
- Vienna 2011
- Ghent 2012
- Dresden 2013

Olomouc 2014

Curitiba / Rio de Janeiro, 2015

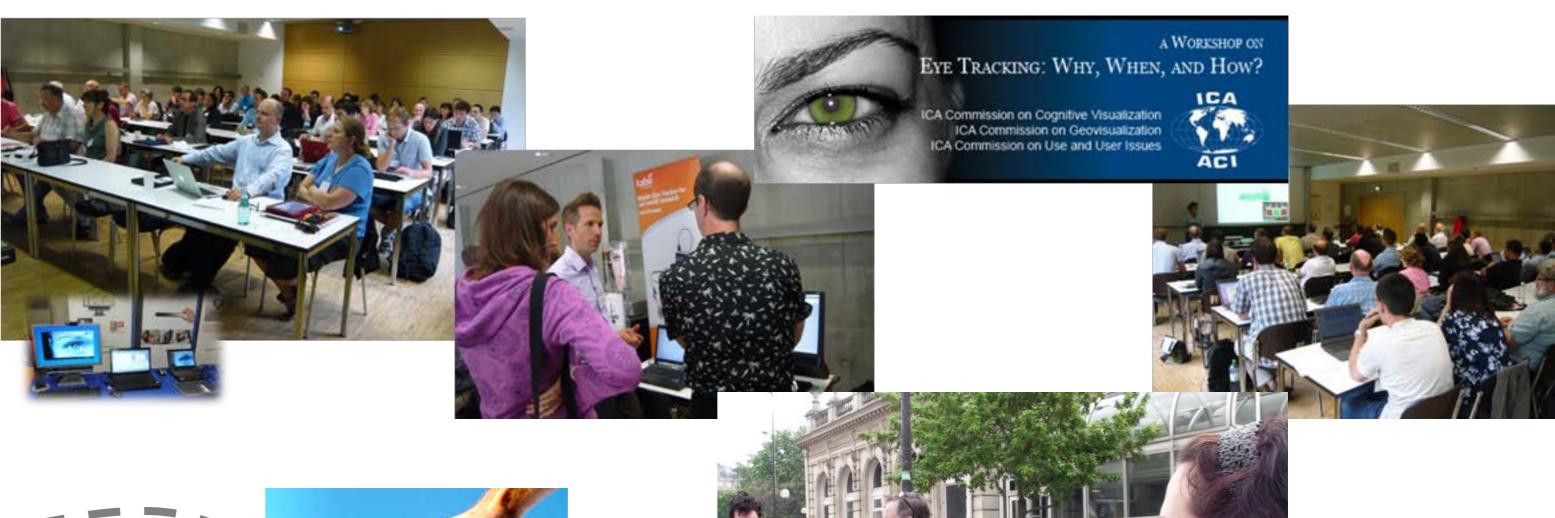






### Meetings, sessions and workshops

- 2011 Paris, France 6 use and user issues (oral) sessions at ICC 2011
- 2012 Newcastle upon Tyne, UK 4th Workshop on Geographic Information Usability / Topic: "2D, 3D and moving usability findings into information design"
- 2012 Columbus, Ohio, USA Pre-AutoCarto2012 Workshop on Designing and Conducting User Studies (together with the ICA Commission on Cognitive Visualization)
- 2012 Vienna, Austria SOMAP 2012 Symposium on Service-Oriented Mapping (co-organisation)
- 2013 Paris, France Pre-CHI2013 Workshop on Geographic Human-Computer Interaction (contributions in line with 'outreach' ToR)
- 2013 Dresden, Germany Workshop on Working with Eye-Tracking: Why, When, and How? (together with the ICA Commissions on Cognitive Visualization and Geovisualization)
- 2013 Dresden, Germany 4 use and user issues (oral) sessions at ICC 2011
- 2014 Olomouc, Czech Republic CARTOCON 2014 (co-organisation and Vice-Chairs David Forrest and Alexander Pucher invited as keynote speakers)
- 2014 Tampa, Florida, USA Sessions at AAG 2014 (co-organisation)
- 2015 Curitiba, Brazil Two pre-ICC2015 workshops (WS1: How to design and conduct user studies / WS2: Envisioning the future of cartographic research)
- 2015 Rio de Janeiro, Brazil 4 use and user issues (oral) sessions at ICC 2015





# **Need for continuation of the Commission!**

There is a great need for the continuation of the Commission in the next term 2015-2019. Although the commission is not new, it's work is far from complete and the research interest in use, users and usability is still increasing. This is mainly related to (technological) advancements, on the one hand, in the field of cartography and geoinformation science, but on the other hand, also regarding the methods and techniques to study the use, user, and usability issues in cartography and related fields.

Commission on Use, Users, and Usability Issues

ICC **2015** 





# **Publications**

- Planned Textbook: "research methods and techniques for dealing with use and user issues in cartography and geo-information processing and dissemination"
  - Different methods and techniques discussed in a standard format
  - Some chapters in place could not be fully completed within this term
  - Approach will be revised in next text (see proposed new ToR's).
- Joint paper with Commission on Cognitive Visualization (incl. research challenges): van Elzakker, C. P. J. M., & Griffin, A. L. (2013). Focus on geoinformation users: Cognitive and use/user issues in contemporary cartography. GIM International, 27(8), 20-23.
- Use, user and usability research in cartography and geo-information processing: van Elzakker, C.P.J.M. (2013) The atlas of experience. In: Geospatial World, 4 (2013)4 pp. 34-36
- Paper Vice-Chair Annu-Maaria Nivala was selected as one of the landmarks of 50 years *The* Cartographic Journal:
  - van Elzakker, C.P.J.M. and Forrest, D. (2014) Reflections on "Usability evaluation of web mapping sites". In: Landmarks in mapping: 50 years of the Cartographic Journal / ed. by K. Field and A.J. Kent. Leeds: Maney Publishing, 2014. ISBN: 978-1-909662-38-4. pp. 257-260
- Article for the Dutch professional journal Geo-Info to inform the members about ICA and the work of the Commission:
  - van Elzakker, C.P.J.M. (2014) Aandacht voor gebruik en gebruikers bij de Internationale Kartografische Vereniging (ICA). In: Geo - Info 11 (2014)2 pp. 24-27.
- Commission jointly organized sessions at AAG 2014 with the CogVis and GeoVis Commissions, leading a special issue of *Cartographic Perspectives*. For ToC see: http://www.cartographicperspectives.org/index.php/journal/issue/view/cp77
- Commission was one of the co-organisers of CARTOCON 2014. All members of the core group were involved in the review process of the resulting publications: Vondrakova, A., Brus, J., & Vozenilek, V. (Eds.) (2015) Lecture Notes in Geoinformation and Cartography – Trends in Modern Cartography.

# **Proposed new Terms of Reference 2015-2019**



exchange of knowledge, news, and information on use, users, and usability in cartography, geo-information processing, and related fields.

bibliography on use, user, and usability research in cartography and related fields. **TOPICS**: studies of user abilities and differences therein map-based user interfaces (UI)

use case studies with print, web-based, user-centred design and and mobile maps usability engineering methods and techniques

and user experience (UX) design use of emerging mapping technologies

for evaluating products

review paper from bibliographical database includes a final research agenda on map use, users, and usability for Cartography.



# online overview & FAQ

- usability methods and techniques
- → why/when one would use the techniques
- aspects of experiment design → tips for analysis
- (replaces planned book publication)



special sessions on map use, users, and usability → at future ICA conferences

- other regional conferences on cartography and related topics. gather and communicate original scientific contributions

training workshops for non-specialists on use, user, and usability issues in Cartography and related fields -> resulting training materials -> commission's website!

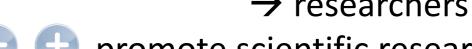


special journal issue with sibling ICA Commissions

participate in and contribute to workshops and seminars organized in → other disciplines (e.g. Computer Science, Geography, GIScience)

→ by other ICA Commissions





> researchers from different cultural environments promote scientific research



- Chair: Dr. Kristien Ooms Department of Geography, Ghent University, Belgium
- Vice-chair: Dr. Robert Roth University of Wisconsin-Madison, USA
  - University College London, UK Vice-chair: Dr. Alena Vondráková

Palacky University, Olomouc, Czech Republic

Vice-chair: Dr. Artemis Skarlatidou







