

Commission on Mountain Cartography

0. Introduction, history

Based on a proposal made to the Executive Committee of the International Cartographic Association (ICA) during the International Cartographic Conference (ICC) in Barcelona in 1995 a preliminary Working Group on Mountain Cartography was formed in 1997. The goal was to focus on special topics in the field of mountain cartography in order to attract a larger group of participants from the international community. In 1998, the ICA Working Group organized the first mountain cartography workshop at Silvretta in the Austrian Alps. The workshop attracted 33 participants from seven countries, which demonstrated the breadth and necessity of this research area. Based on the successful Silvretta workshop, the General Assembly of the ICA at the ICC 1999 in Ottawa approved the ICA Commission on Mountain Cartography.

1. Chair / Co-chair

Assistant Prof. Dr. **Karel Kriz** (Chair), University of Vienna, Austria

Prof. Dr. **Lorenz Huml** (Co-chair), Swiss Federal Institute of Technology (ETH) Zurich, Switzerland

2. Terms of Reference 2011–2015

- Further define the topics of Mountain Cartography and promote the methods and knowledge of mountain cartography among scientists and professionals in cartography and related fields.
- Provide an updated, attractive web-site with information about Commission activities, links to other events and theme-specific knowledge.
- Provide an updated web-portal with links to related web-sites and bibliographic information.
- Emphasize cartographic design issues and map related representations in large-scale topographic mapping.
- Continue the well-established workshop series.
- Promote publication activities (proceedings, web-proceedings, journal articles and special issues) and common research activities.

3. Business Meetings

- April 25, 2014, Banff, Canada
- August 29, 2013, Dresden, Germany
- September 4, 2012, OPC, Mt. Ruapehu, New Zealand
- July 5, 2011, Paris, France
- Minutes are published at: <http://www.mountaincartography.org/activities/meetings/index.php>

4. Workshops

4.1 *8th Workshop Taurewa, New Zealand, 1 to 5 September 2012*

4.2 *9th Workshop Banff, Canada, 22 to 26 April 2014*

4.2 *Supported events, conference sessions*

- 9th Workshop Banff, Canada, 22 to 26 April 2014
- ICC 2013, Dresden: three sessions on Mountain Cartography
- 8th Workshop Taurewa, New Zealand, 1 to 5 September 2012
- ICC 2011, Paris: three sessions on Mountain Cartography

5. Commission publications (proceedings, book chapters, special journal issues, web-sites)

- CMC (2015) ICA Commission on Mountain Cartography Homepage, <http://www.mountaincartography.org/> (accessed July 2015)
- Kriz K. (ed.) (2015) Mountain Cartography – 16 Years ICA Commission on Mountain Cartography (1999–2015), Wiener Schriften zur Geographie und Kartographie, Volume 21, Institut für Geographie der Universität Wien, 212 p.
- NZCS (eds.) (2013) Mapping Mountain Dynamics – from Glaciers to Volcanoes. Proceedings of the 8th ICA Mountain Cartography Workshop, 1-5 September 2012, Taurewa, New Zealand
- Wheate R. (ed.) Proceedings of the 9th Workshop Banff, Canada, 22 to 26 April 2014 (in preparation)

6. Website

The commission web-site <http://www.mountaincartography.org> has been entirely redesigned and updated to include all commission publications by Stefan Råber, cartographer and webmaster of the Institute of Cartography and Geoinformation at ETH Zurich.

7. Comments, lessons learned

During the last several years, the Commission and its activities has attracted a rather mixed group of cartographers, GIS specialists, geographers, remote sensing specialists and other professionals. Various interest groups can be observed: Specialist in the fields of topographic mapping and relief representation, thematic specialists with GIS applications in mountainous areas as well as 3D visualization specialists and artists. This interesting combination makes the workshops unique and always creates a real mountain cartography spirit.

8. Proposed terms of reference 2015–2019

Based on the experiences during the reporting period and the review comments, the commission proposes to focus on the following terms of reference for the period 2015–2019:

1. Define the topics of Mountain Cartography and promote the methods and knowledge of mountain cartography among scientists and professionals in cartography and related fields.
2. Provide an updated, attractive web-portal with information about Commission activities, links to other events, theme-specific knowledge, related web-sites and bibliographic information
3. Discuss different issues about mountain cartography and map related representations in large-scale topographic mapping, as similarity and differences in symbolization and map design, technological issues, maps use, connections to Location-based Services (LBS).
4. Continue the well-established workshop series.
5. Promote publication activities (proceedings, web-proceedings, journal articles and special issues) and common research activities.

9. Future activities

The commission is planning to continue its highly successful series of workshops with the next workshop in Germany in April 2016 (see <http://www.mountaincartography.org>). Further workshops are also envisioned. The commission is intending to cooperate with other ICA commissions, organizing joint workshops, publications and other activities. Proposed chair/co-chair for the period 2015-2019 are Dušan Petrovič (Slovenia) and Tom Patterson (USA).

Vienna, Zurich, Washington, Ljubljana, July 2015

Karel Kriz, Chair of the ICA Commission on Mountain Cartography

Lorenz Hurni, Co-Chair of the ICA Commission on Mountain Cartography

Tom Patterson, Regular Member of the ICA Commission on Mountain Cartography

Dušan Petrovič, Regular Member of the ICA Commission on Mountain Cartography