



Commission on Education & Training

2007-2011



TERMS OF REFERENCE – 2007 TO 2011

- ✗ Work for reaching the general aims conceived in the ICA Statutes.
- ✗ **Develop the existing ICA-sponsored Internet cartography teaching programme (modules), with regional workshops for training the teachers.**
- ✗ Produce an ICA-sponsored Internet programme for continuing professional development, with regional workshops for training the teachers.
- ✗ **Support cartography and cartographic education in developing nations by holding seminars in these nations.**
- ✗ Promote integration by establishing linkage with the committees on education of sister surveying and mapping disciplines, by maintaining the list of institutions providing cartography course programmes, and interact as much as possible with other ICA commissions and working groups (organize joint meetings).
- ✗ **Produce appropriate publications for dissemination of results of the above efforts and publish it in proceedings or on the CET website according to the IOF publication policy.**
- ✗ Promote joint project cooperation between participating nations represented on the commission.
- ✗ **Contribute to international forums where applicable.**
- ✗ Develop mapping awareness competitions.
- ✗ **Investigate the role of emerging technologies for use in education and training.**

ICA RESEARCH AGENDA CONTRIBUTIONS

- ✗ **THE ROLE OF INTERNATIONAL GEOMATICS ORGANISATIONS IN THE PROMOTION OF CONTINUING PROFESSIONAL DEVELOPMENT (CPD)** David Fairbairn (Secretary-General, ICA), David Fraser (CET Chair)
- ✗ **THE CHANGING FACE OF CARTOGRAPHIC EDUCATION AND TRAINING** David Fraser, RMIT University, Australia, László Zentai, Eötvös Loránd University, Hungary, Maria Cecilia Bonato Brandalize, Universidade Federal do Paraná, Brasil

COMMISSION MEETINGS

- ✗ **Commission meeting Prague** - A face-to-face CET meeting was held in 2009 as part of the symposium on Cartography and Geoinformatics for Early Warning and Emergency Management.
- ✗ **Face-to-Face Commission meeting at the ICC2009 in Chile** - The Commission on Education and Training held a face-to-face meeting during the ICC2009 conference in Chile. The Chair of the CET also contributed to the symposium. "The Future of Maps and the Internet" run prior to the conference on November 13 - 15, in Valparaíso, organised by the Maps and the Internet Commission.

WORKSHOPS

- ✗ **Iran – 2009 – 9th to 13th May** - Thirty participants attended a three week hands-on Workshop on Cartography in Tehran, Iran. The workshop was presented by David Fraser and Colin Arrowsmith from Australia; László Zentai and Antal Gusztáv from Hungary and David Forrest and Mike Shand from Great Britain.
- ✗ **Vietnam - 2010 -19th to 30th July** - Presenters: Professor László Zentai (Hungary), Professor RNDr.Vít Voženilek, CSc. (Czech Rep.), Professor William Cartwright (Australia) and Manuela Schmidt (Austria)
- ✗ **Indonesia 2010 – 26 July - 6 August** - Presenters: Professor Ferjan Ormeling (The Netherlands), Dr Gang-Jun Liu (Australia), Professor William Cartwright (Australia) and Ms Manuela Schmidt (Austria)
- ✗ **Symposium (workshop) – Paris 2011** - A workshop "Maps for the future: Children, Education and the Internet" was held prior to the ICC2011 at the University of Orleans, June 30 – July 1. The Commission on Cartography and Children, the Commission on Education and Training, the Commission on Maps and the Internet and the Commission on Planetary Cartography along with the Working Group on Cartography for Early Warning and Crisis Management were partners. Dr. Jesus Reyes and Dr Laszlo Zentai were the key organising team.



PUBLICATIONS

- ✗ **Academic Papers** - A webpage devoted to student cartographic papers was created.
- ✗ **CET newsletters** - A regular newsletter (eCET) has been produced in 2009, 2010 and 2011.
- ✗ **Cartographic Resources** - A list of cartographic resources for those involved in cartographic education and training has been compiled and placed on the CET website
- ✗ **ICA Newsletter – CET contributions** - Reports were prepared for each ICA newsletter.
- ✗ **GIM Magazine Contributions** - Articles have been produced for GIM magazine during 2007 -2011.
- ✗ **CET Website** - The Commission website is regularly updated by Professor László Zentai [<http://lazarus.elte.hu/cet/>]



OTHER CONTRIBUTIONS TO THE ICA

- ✗ **Commission members reviewed papers** for the ICC2009 and ICC2011.
- ✗ **Biennial Awards on Educational Cartography** - The competition aims to promote good practice in relation to the design and realisation of cartographic resources produced in an educational context.
- ✗ **Cartography Island** - Cartography Island is a 'virtual' island in the Pacific. On this island is placed information about different aspects of cartography. http://lazarus.elte.hu/cet/cartography_island/island.htm
- ✗ **Generic Guidelines for Continuing Professional Development** - The Continuing Professional Development program developed by the CET and rejected by the Executive, was revised to provide member nations with a generic set of guidelines, should they wish to develop a CPD program for their nation in the future. These guidelines will be placed on the CET website.
- ✗ **Generic Attributes of Cartographers** - The CET discussed the merit of developing a generic attributes list for cartography graduates.

TERMS OF REFERENCE – 2011 TO 2015

- ✗ 1. Work for reaching the general aims conceived in the ICA Statutes.
- ✗ 2. **Support cartography and cartographic education in developing nations by holding seminars in these nations.**
- ✗ 3. Develop the existing ICA-sponsored Internet cartography teaching programme (modules), with regional workshops for training the teachers.
- ✗ 4. **Produce an ICA-sponsored Internet programme for continuing professional development, with regional workshops for training the teachers.**
- ✗ 5. Produce appropriate publications for dissemination of results of the above efforts and publish it according to the IOF publication policy.
- ✗ 6. **Promote integration by establishing linkage with the committees on education of sister surveying and mapping disciplines, by maintaining the list of institutions providing cartography course programmes, and interact as much as possible with other ICA commissions and working groups (organize joint meetings).**
- ✗ 7. Improving dissemination of information on educational theory and practice of cartography to the members across the world.
- ✗ 8. **Contribute to international forums where applicable.**
- ✗ 9. Investigate the role of emerging technologies for use in education and training.
- ✗ 10. **Develop mapping awareness competitions.**



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Two or three columns of text with diagrams to fit width of column

Headings up to 36pt

Body text min 20pt, 24pt better

Captions 18pt italics

A1 image area will accommodate up to 650 words (including captions and references) with 6 images (diagrams, graphs or photos). Each image area is equivalent to approximately 50 words so you must adjust your word count to accommodate the number of images.