

president's report



Scope

This report provides an overview of the activities of the International Cartographic Association for the period of 2007-2011. It covers general information related to

Executive Committee meetings and undertakings, the structure of Commissions and Working Groups, adjunct committees, publications, communications, links with sister societies and international endeavours to advance the Association and its contributions to the international cartography and GI Science community specifically and to society in general.

Executive Committee 2007 - 2011

At the Moscow 2007 General Assembly a new Executive was elected. The Executive comprises:

- William Cartwright, Australia: President
- David Fairbairn, UK: Secretary General & Treasurer
- Georg Gartner, Austria: Vice President
- Pablo Gran, Chile: Vice President (until 2010)
- Zhilin Li, China: Vice President
- Anne Ruas, France: Vice President
- Derek Clarke, South Africa: Vice President
- Menno-Jan Kraak, The Netherlands: Vice President
- Tim Trainor, USA: Vice President
- Milan Konečný, Czech Republic: Past President

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50 years of ica general assemblies 1961-2011

A report on the first General Assembly of member nation delegates to the ICA, held in Paris from 29 May to 3 June, 1961, was published in the *Internationales Jahrbuch für Kartographie (IJK)* (*International Yearbook of Cartography*) printed in Germany in 1961. It deals with the founding of ICA and the subsequent development of the association into a well-governed and established professional international organisation. The text below paraphrases the report in the Yearbook.

The necessity of establishing not only a regional but also an international exchange of methodical and technical achievements in the field of cartography suggests itself more and more. For this reason Dr Carl Mannerfelt (Sweden) invited experts of different countries as early as 1956 to a working session, the so-called Esselte Conference. In 1958, a second session of this kind was held



Members of the first Executive Committee of the International Cartographic Association elected in Paris, 1961 (standing from left): Stéphane de Brommer (France), Dennis E.O. Thackwell (UK), Granville K. Emminizer (USA), Eduard Imhof (Switzerland), Carl M:son Mannerfelt (Sweden), Erwin Gigas (West Germany) and Carlo Traversi (Italy); in the foreground outgoing members of the 'Committee of Six': Lewis J. Harris (Canada) (left) and Duncan M. Fitchet (USA) | Photograph courtesy of ICA archives

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ICA President Prof William Cartwright and Prof Pip Forer at the first ICA Regional Symposium on Cartography for Australasia and Oceania run in conjunction with GeoCart'2010 in Auckland, New Zealand, 2010 | Photograph Marney Brosnan



I am really looking forward to ICC 2011 in Paris, which is probably true of anyone who will be there in a couple of weeks time. But what really drives this anticipation, what is behind this excitement?

For me, there are at least a few reasons. Catching up with friends, fellow cartographers, is one of the obvious ones. It is a treat to see you all every two years, share news and experiences, have a meal together and simply learn how you are doing. Another is Cartography itself, the treasured discipline I have dedicated my professional life to. A hearty talk about maps, data, projects and a general “cartographic gossip” is always interesting, inspiring and reassuring. Yet another is the ICA, our own international organisation that serves us all, helping to raise the profile of our discipline and make us more recognisable (and hopefully appreciated) in today's world.

But at a deeper level, there is also a sense of belonging that makes me eager to attend. Belonging to a community or – should I say – a family of cartographers, like-minded people, whose passion and dedication to cartography is shared by all of us. With this sense of belonging comes certainty, a certainty we all need in our daily professional challenges, a certainty that I am not alone in my thoughts, values, passion and approach to professional ethics. It is wonderful to belong and feel secure. I am truly glad and thankful to be part of the family of cartographers, be able to express myself through the gift of cartographic creativity and contribute, in a small way, to the work of ICA through my various involvements.

This is the last newsletter published within the 2007-2011 term of the current Executive Committee of the ICA, hence it contains the last President's Report by Prof William Cartwright. David Fairbairn takes us back to the beginnings of the ICA General Assemblies in his insightful contribution. In addition, numerous ICA Commissions and Working Groups present their most recent reports and a number of meetings and cartographic events highlighting the truly international scope of our organisation is traditionally reported on.

Igor Drecki | Editor ICA News | ICA ●

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president's report cont...



ICA Executive Committee, Paris, July 2010; (clockwise from left) David Fairbairn, Georg Gartner, Zhilin Li, Anne Ruas, Tim Trainor, Menno-Jan Kraak, Pablo Gran; out of picture Derek Clarke and William Cartwright | Photography William Cartwright

The Executive Committee (EC) met formally on seven occasions during 2007-2011. The locations and dates of the meetings were:

- Moscow, Russia, August 2007
- Vienna, Austria, February 2008
- Santiago, Chile, November 2008
- Zürich, Switzerland, June 2009
- Santiago, Chile, November 2009
- Paris, France, July 2010
- Orlando, USA November 2010
- Paris, France, July 2011

At the July 2010 EC meeting the Committee stood in silence to respect the memory of Jacques Bertin, Mannerfelt Gold Medal winner and eminent French and international cartographer, who had died earlier in the year.

As well as the formal EC meetings, a number of *ad-hoc* EC meetings were held to advance documentation related to the development of ICA documentation. These were held at:

- London, UK, 6-7 September 2009
- Orlando, FL, USA, November 2010
- Seattle, WA, USA, April 2011

At the first EC meeting in Moscow the responsibilities of individual Committee members for liaison with ICA Commissions and Working Groups were assigned.

Commissions: Cartography and Children (Konečný); Digital Technologies in Cartographic Heritage (Gartner); Education and Training (Fairbairn); Generalization and Multiple Representation (Ruas); Geospatial Analysis and Modeling (Li); History of Cartography (Gran); Management and Economics of Map Production (Clarke); Mapping from Satellite Imagery (Li); Map Projections (Li); Maps and Graphics for Blind and Partially Sighted People (Fairbairn); Maps and Society (Trainor); Maps and the Internet (Gartner); Marine Cartography (Cartwright); Mountain Cartography (Kraak); National and Regional Atlases (Trainor); Planetary Cartography (Gran); Geospatial Data Standards (Konečný); Theoretical Cartography (Kraak); Ubiquitous Mapping (Gartner); Underrepresented Groups and Cartography (Clarke); Use and User Issues (Fairbairn); Geovisualization (Kraak).

Working Groups: Art and Cartography (Cartwright); Cartography on Early Warning and

Crisis Management (Konečný); Mapping Africa for Africa (Clarke).

Environments: Responsibilities with regard to the ‘environments’ of ICA were also assigned: Science (including Research Agenda) (Kraak); Society (Trainor); Professional Practice (Gran); Education (Li); Art (Gartner).

As well, further responsibilities were established for authoring the GIM magazine column (Fairbairn), managing the ICA 50th birthday celebration event (Ruas) and coordinating Workshops (Li).

The environment of ‘Art’ was added by this Executive Committee. The establishment of the Working Group on Art and Cartography formalized the activities of the Art environment. The first formal activity of the Working Group was a Symposium in Vienna, Austria, 1-2 February 2008. I was part of the Symposium organising team, with ICA Vice President Georg Gartner (TU Vienna) and Antje Lehn (University of Fine Art, Vienna). TU Vienna and the

ICA President William Cartwright and Theoretical Cartography Commission Chair Alexander Wolodtschenko in discussions at the ICA Art and Cartography / Cartography and Art Symposium in Vienna, Austria, 2008 | Photography Markus Jobst



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University of Fine Art, Vienna were the venues for this first event of the Working Group. Some 70 papers, presentations and installations were made at the symposium.

Strategic Plan

The Executive Committee developed a new Strategic Plan for 2011-2019. This document further develops the 2003-2011 Strategic Plan that was adopted at the General Assembly held in Durban, South Africa in 2003. The Strategic Plan for 2003-2011 has been used to guide the activities of the Association for the past eight years. The new document aims to provide a set of guidelines for the management and development of the ICA over the next eight years. It was developed with inputs from Commission and Working Group Chairs and Vice-Chairs. A group consisting of ICA Secretary General & Treasurer David Fairbairn, former ICA Secretary General & Treasurer Ferjan Ormeling, former ICA President Bengt Rystedt and former ICA President Michael Wood then reviewed the initial document.

The Executive Committee will present this 2011-2019 Strategic Plan for consideration and approval at the Association's 15th General Assembly in Paris, in July 2011. Once endorsed by the General Assembly it will form the basis for developing plans for growing and advancing the Association.

Research Agenda on Cartography and GI Science

The ICA Research Agenda builds on the plan developed by the last EC and endorsed at the Moscow 2007 General Assembly. The agenda specifies the areas of research activities that the ICA addresses, namely:

- Geographic Information
- Metadata and SDIs
- Geospatial Analysis and Modelling
- Usability
- Geovisualization, Visual Analytics
- Map production
- Cartographic Theory
- History of Cartography and GI Science
- Education
- Society.

The research agenda continues to guide the activities of the Commissions and Working Groups.

Awards Committee

The Awards Committee is asked to review nominations for ICA awards and make recommendations to the Executive Committee. During the 2007-2011 term Ramon Lorenzo Martinez (Spain) chaired the ICA Awards Committee. Committee members were Elri Liebenberg (South Africa), Bob McMaster (USA), Miroslav Mikšovský (Czech Republic) and Kira Shingareva (Russia). I would like to thank Ramon and the Awards Committee members for their work on behalf of ICA.

Auditors

The Association was most fortunate to have the services of Hal Moellering (USA) and Nikolay Komedchikov (Russia) as honorary auditors. The Executive Committee thanks both colleagues for supporting the Association by providing this essential service.

Publications Committee

The ICA promotes the generation of extensive publications, generally through its Commissions and Working Groups. This activity provides a focus for Commissions and Working Groups and allows for knowledge about advances in contemporary thinking and research to be disseminated. The publications include books, journals and the ICA Newsletter.

The publications committee plays an important role in the Association. It assures that relevant publishing ideas are advanced and formalized through books and related publications. Ferjan Ormeling (Netherlands) was the Chair of the Publications Committee. During the 2007-2011 term the publishing contract with Elsevier was terminated by mutual agreement and a new publishing contract signed with Springer Verlag. We acknowledge the long-standing contract that ICA had with Elsevier and thank the company for their involvement with Association publications. We look forward to a mutually rewarding partnership with Springer Verlag. The first project includes publishing two volumes of review stream papers from the ICC 2011 Paris conference, as part of the *Lecture Notes in Geoinformation and Cartography* series, with special ICA imprint on the cover.

As well as the book publishing contract, the ICA has three affiliated journals: *Cartographica*, *CaGIS* and *The Cartographic Journal*. It is pleasing to note that special issues of *The Cartographic Journal* and *Cartographica* were produced for the Paris ICC, including the best-reviewed papers from the conference and showcasing the close collaboration that ICA has developed with these journals. We acknowledge the importance of having these journals as part of the ICA 'family' and thank the editors of the journals for their input into disseminating the work of ICA.

In addition, Secretary General & Treasurer David Fairbairn provides an article for each edition of GIM magazine. Along with sister society's articles, the ICA's profile is enhanced by having this publication outlet available.

ICA News

The ICA newsletter Editor is Igor Drecki, from New Zealand. The ICA publishes a newsletter twice a year in both paper and PDF formats. The newsletter is available via the ICA Web site at: www.icaci.org/Newsletter. A Spanish version of the *ICA News* (up to No 52, June 2009) was prepared by the Departamento de Ingenieria Topografica y Cartografia of the Universidad Politécnica de Madrid

(redgeomatica.rediris.es/ICA/index.html). Of particular note is that the first ever Special Edition of the newsletter was produced in September 2009 to commemorate the 50th anniversary of ICA.

ICA Website

The ICA website (www.icaci.org) was re-designed, enhanced and continually developed by Webmasters Felix Ortig and Manuela Schmidt from TU Vienna, Austria. TU Vienna hosted the ICA website. ICA wishes to thank Felix and Manuela for their tireless work that has made the ICA website a contemporary conduit of information about the Association and Cartography in general. We also wish to thank TU Vienna for supporting ICA by hosting the website and for allowing Felix and Manuela time release to develop and maintain this important communication system for the Association.

Commissions and Working Groups

To achieve its aims the ICA operates through a number of Commissions and Working Groups. They carry out the general operations of the ICA. These Commissions and Working Groups addressed the full range of scientific, technical and social research that is the mark of ICA activity. They achieve the transfer of knowledge about Cartography and GIScience by publishing books and special editions of journals and running workshops. As the Commissions and Working Groups are a key element in the Association, and their leadership is paramount to the success of the groups, it is important to provide the complete list of them. Chairs of Commissions and Working Groups are shown in brackets.

- Commission on Cartography and Children (Jesús Reyes and Temenoujka Bandrova)
- Commission on Digital Technologies in Cartographic Heritage (Evangelos Livieratos)
- Commission on Education and Training (David Fraser)
- Commission on Generalization Of Spatial Information (William Mackaness and Sébastien Mustière)
- Commission on Geospatial Analysis and Modeling (Bin Jiang)
- Commission on Geospatial Data Standards (Antony Cooper)
- Commission on Geovisualization (Gennady Andrienko and Jason Dykes)
- Commission on The History Of Cartography (Elri Liebenberg)
- Commission on Economics and Management Of Map Production (Philippe De Maeyer)
- Commission on Mapping From Satellite Imagery (Xiaojun Yang)
- Commission on Map Projections (Dan Strebe)
- Commission on Maps and Graphics For Blind and Partially Sighted People (Dan Jacobson)
- Commission on Maps and Society (Chris Perkins)

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- Commission on Maps and The Internet (Michael Peterson)
- Commission on Marine Cartography (Patricio Carrasco)
- Commission on Mountain Cartography (Karel Kriz)
- Commission on National and Regional Atlases (Peter Jordan)
- Commission on Planetary Cartography (Kira Shingareva)
- Commission on Theoretical Cartography (Alexander Wolodtschenko)
- Commission on Ubiquitous Mapping (Takashi Morita)
- Commission on Underrepresented Groups and Cartography (Wiesława Zyszkowska)
- Commission on Use and User Issues (Corné van Elzakker)
- Working Group on Art and Cartography (Sébastien Caquard and Barbara Piatti)
- Working Group on Cartography on Early Warning and Crisis Management (Milan Konečný)
- Working Group on Census Cartography (Tim Trainor)
- Working Group on Crime Mapping (Peter Schmitz)
- Working Group on GIS and Sustainable Development (Vladimir Tikunov)
- Working Group on Mapping Africa For Africa (Derek Clarke)
- Working Group on Open Data Access and Intellectual Property Rights (Lucia Lovison-Golob)
- Working Group on Open Source Geospatial Technologies (Suchith Anand)
- Working Group on Tourist Cartography (Yuriy Artemyev)

The rich offering by Commissions and Working Groups makes for a rich international programme. Executive Committee members have endeavoured to attend as many meetings as possible.

To all involved – Chairs, Co-Chairs and members of Commissions and Working Groups – thank you for your work over 2007-2011.

Conferences and Meetings

The Association holds a General Assembly every four years and conferences every two years. Conferences include papers and poster presentations, an international map exhibition, an international children's map exhibition and a technical exhibition.

In August 2007 the 14th General Assembly and 23rd International Cartographic Conference took place in Moscow, Russia. In 2009, the 24th ICC was held in Santiago, Chile and in 2011, the 15th General Assembly and 25th International Cartographic Conference will be held in Paris in July 2011.

The ICA is indebted to the enthusiasm of member nations, Local Organising Committees, sponsors, exhibitors and participants for making these events so successful.

In 2013 the Deutsche Gesellschaft für

Kartographie will host the 26th International Cartographic Conference. The conference will be held in the city of Dresden, Germany.

ICA Regional Symposia

At the Santiago EC meeting in November 2009 discussions were held about the potential role for ICA Regional Symposia on Cartography. The general ideas about regional symposia were:

- Having an ICA recognition of a regional (not national) symposium would be valuable both for the event and for ICA
- The regional symposia should be in 'even-numbered years' i.e. they should not compete with the regular 'odd-numbered years' international cartographic conferences
- There could be more than one regional symposia in different locations in any one year
- ICA Commissions and Working Groups would be actively encouraged to participate in the symposia
- It would be beneficial for the regional symposia to be attached to a conference (possibly a national conference) already organised

Subsequently, an exploratory regional cartographic symposium for Central and Eastern Europe was held in Vienna, Austria, 16-17 February 2009. It was organised by Vice President Georg Gartner and hosted by TU Vienna. The symposium proved to be most successful. 130 scientists and professionals from 19 countries attended. The symposium attracted presentations and participation from many central and eastern European countries: Romania, Germany, Croatia, Turkey, Serbia, Austria, Hungary, France, Russia, Czech Republic, The Netherlands, UK, Poland, Slovenia, Switzerland, Bulgaria, FYRO Macedonia. Other countries represented were Australia, USA and Brazil.

On the first day a PhD and Masters students' forum was held. This session allowed for research students to present to an international audience and to receive critique of their work. Here, a panel of experts from the ICA community provided feedback and answered questions related to graduate student research programmes.

Following the success of the initial symposium, a number of additional symposia were held:

- ICA Symposium on Cartography for Central and Eastern Europe, in conjunction with the 3rd International Conference on Cartography & GIS, Nessebar, Bulgaria, 15-20 June 2010
- ICA Symposium on Cartography for Australasia and Oceania, in conjunction with GeoCart'2010, Auckland, New Zealand 1-3 September 2010
- ICA Symposium on Cartography for the Americas, in conjunction with the AutoCarto 2010 conference, Orlando Florida, USA 15-19 November 2010.

50th Anniversary Meeting

A commemorative event to celebrate the 50th anniversary of ICA was held on 9 June 2009 and a one-day symposium on 10 June 2009 in Bern, Switzerland. SwissTopo and the Swiss Society of Cartography supported this event. SwissTopo hosted the event at their office in Bern, the same site where the first ICA meeting was held 50 years ago. Vice President Anne Ruas, assisted by Secretary General & Treasurer David Fairbairn, coordinated the plans for the event for ICA and the President of the Swiss Society of Cartography Stefan Arn of SwissTopo provided essential support and ensured that the event ran smoothly and was successful. Stefan Räber of ETH Zürich contributed an excellent display - *Eduard Imhof & the ICA*.

The symposium provided the occasion to present a 'snapshot' of the past and current activities of the Association. This was done through formal presentations. The presenters at the symposium were:

- Professor William Cartwright
- Stefan Arn
- Walter Imhof
- Professor Bengt Rystedt
- Professor Ernst Spiess
- Jean-Philippe Grelot
- Dr Christopher Board
- Professor Lorenz Hurni
- Dr Dietmar Grünreich
- Dr Anne Ruas
- Professor Menno-Jan Kraak
- Professor Elri Liebenberg
- Professor Evangelos Livieratos
- Professor Philippe De Maeyer
- Professor Michael Peterson
- Dr Chris Perkins
- Dr Vanessa Lawrence
- Dr Jarmo Ratia
- Dr Fridolin Wicki
- Dr André Streilein

ICA President William Cartwright delivering the closing address at the 50th anniversary of ICA meeting in Bern, Switzerland, 2009 | *Photography Thomas Maag*



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As well as representatives from many member nations and former Executive Committee members, it was most pleasing to have four former ICA Presidents in attendance. They were:

- Professor Fraser Taylor, Canada, President of the ICA from 1987-1995.
- Dr Michael Wood OBE, United Kingdom, President of the ICA from 1995-1999
- Professor Bengt Rystedt, Sweden, President of the ICA from 1999-2003
- Professor Milan Konečný, Czech Republic, President of the ICA from 2003-2007



A special ICA logo was used on all official ICA correspondence and presentations during the anniversary year. Manuela Schmidt of TU

Vienna designed the logo.

Awards

The Association makes awards from time-to-time to recognize excellence scholarship and research in Cartography and GI Science. The awardee of the Carl Mannerfelt Gold Medal, the highest award of the ICA in 2009 was Professor Ferjan Ormeling (The Netherlands). Also in 2009, an ICA Honorary Fellowship was awarded to Professor Bengt Rystedt (Sweden).

The ICA Diploma for outstanding services to ICA was awarded in 2009 to Colonel Juan Vidal Garcia Huidobro (Chile), Chair of the ICC 2009 Local Organizing Committee.

Barbara Petchenik Competition

The ICA Commission on Cartography and Children promotes and manages this competition with the help of Dr Peter van der Krogt (the Netherlands) who processes all entries. At each ICC the best of the competition entries are displayed. Of note is the fact that ESRI Press published the second book *Children Map the World*, Volume 2 (refer to *ICA News* No 53, December 2009 for description). The book was edited by Professor José Jesús Reyes Nuñez (Hungary), Professor Temenoujka Bandrova (Bulgaria), Professor Milan Konečný (Czech Republic) and Jeet Atwal (Canada).

Member Organisations

The ICA is an organization of organizations. The EC conducts the activities of the Association guided by the directions and documentation approved by member organizations at each General Assembly. A most pleasing task of President has to have been able to attend a number of member organisations' meetings and conferences. Through this, the President and EC members are able to have personal dialogue with colleagues from member organizations and to gather information about the real needs of these organizations. I am proud to have led the Executive Committee that has been able to conduct the affairs of the Association to advance the strategies of the ICA members.

ICA Affiliate Members

The ICA recognizes the support of Affiliate members. The partnership with these organizations ensures that the work of ICA has a greater reach. The list of Affiliate members is provided in this Newsletter (see page 23).

Sister Societies

The ICA works with sister societies through the Joint Board of Geospatial Information Societies (JBGIS). The JBGIS is a coalition of leading international geospatial societies, of which the ICA is a member. President William Cartwright and Secretary General & Treasurer David Fairbairn represented the ICA on the JBGIS. The JBGIS meets formally once each year and informally when schedules permit. The JBGIS chair rotates between member societies. The chair for 2011 was Mark Cygan, representing the International Map Traders Association. ICA has attended all formal JBGIS meetings in:

- Beijing, China, July 2008
- Rotterdam, The Netherlands, June 2009
- Sydney, Australia, April 2010
- Paris, France, July 2011

As well, ICA has also attended a number of informal meetings of the Board.

The JBGIS has published a booklet - *Best Practices for Disaster Management and Emergency Response*. The ICA has contributed to the funding and production of this publication, which was published in July 2010. ICA immediate Past President, Professor Milan Konečný contributed to the activities of the JBGIS through its *ad-hoc* Committee on Risk and Disaster Management.

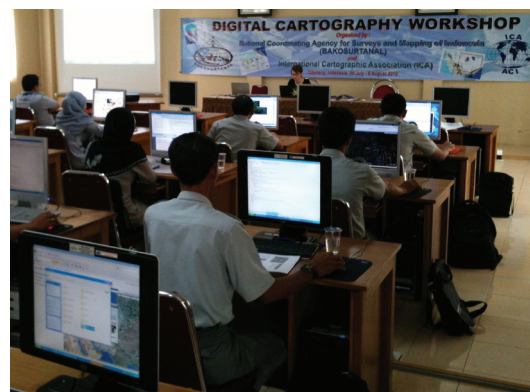
Outreach

An important contribution that ICA makes through its international community is outreach and technology transfer. Commissions and Working Groups have addressed the full range of scientific, technical and social research that is the mark of ICA activity. They undertake the transfer of knowledge about cartography and GI Science by publishing books and special editions of journals and running workshops. Colleagues from the ICA community conduct these workshops on a volunteer basis, generally with the support of the national member organisation of ICA or the national mapping body.

As well, at each ICA conference the Association makes available Travel Awards for young scientists to attend and present. In 2009 seven awards were made for travel to the ICA conference in Santiago, Chile. Young scientists from Ukraine, China, Poland, Chile, Brazil, Argentina and Senegal attended the conference and presented papers under this scheme.

Tribute to Immediate Past President of ICA Professor Milan Konečný

Before closing, I would like to pay a tribute to immediate Past President Professor Dr Milan



ICA Commission on Education and Training, in collaboration with Bakosurtanal, Workshop on Web 2.0 and Cartography in Jakarta, Indonesia, 2010 | Photograph courtesy of William Cartwright

Konečný, who leaves the Executive Committee at the July 2011 General Assembly. Professor Konečný has served the ICA Executive for many years, as Vice President, President and most recently as Past President. He has had a major role in advancing the Association and representing ICA on many international committees, like the Joint Board of Geospatial Information Societies. Over the last four years, Professor Konečný has chaired the ICA Working Group on Cartography on Early Warning and Crises Management. This has been a most successful ICA Working Group and, as well as holding many meetings internationally, the Working Group has developed close ties with the JBGIS Geo-information for Disaster Management (GI4DM). Professor Konečný has worked tirelessly for the ICA and his contributions have progressed the status and profile of the ICA internationally.

In Conclusion

It has been my honour to be President of the International Cartographic Association for 2007-2011. I have been privileged to work with the talented members of the Executive Committee, Commission and Working Group members, members of ICA committees and colleagues from the ICA international Cartography and GI Science community. I sincerely thank everyone for their support, enthusiastic collaboration and friendship.

I attended my first ICA conference in Perth, Australia in 1984 and since that time I have attended every ICA conference, numerous meetings and associated events. These experiences have contributed to my personal, academic and scientific development. I thank those who have been part of this experience over this past quarter century.

Over the past eight years I have served as Vice President in the 2003-2007 Executive Committee and as President for the last four years. I look forward to serving the International Cartographic Association as immediate Past President with the 2011-2015 Executive Committee.

William Cartwright | President | ICA ●

President

William Cartwright | RMIT University | Australia

Secretary General & Treasurer

David Fairbairn | Newcastle University | UK

Vice Presidents

Derek Clarke | Surveys and Mapping | South Africa

Georg Gartner | Technische Universität Wien | Austria

Menno-Jan Kraak | ITC | The Netherlands

Zhilin Li | Hong Kong Polytechnic University | China

Anne Ruas | Institut Géographique National | France

Timothy Trainor | US Census Bureau | USA

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Submission Deadlines

15 May for June editions

15 November for December editions

50 years of ica general assemblies 1961-2011

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in Chicago on the invitation of the Cartographic Division of Rand McNally & Co. The Esselte Conference already had elected a Committee entrusted with the task to study the problem of founding an international association for the advancement of cartography. Further discussions took place, e.g. upon the occasion of a meeting organised by the German Society of Cartography at Mainz in November 1958. A 'Committee of Six' was set up there and asked to examine the formalisation of an association. Subsequently the meeting at Bern in June 1959 was of decisive importance – and this was commemorated in the special issue of *ICA News* published in September 2009. It was in Bern that delegates of 13 nations decided to create ICA, a draft of Statutes was submitted for examination, and an Executive Committee was set up with Professor Eduard Imhof (Switzerland) elected as President and Professor Erwin Gigas (West Germany) elected Secretary-Treasurer.

The first General Assembly was held in Paris, 29 May – 3 June 1961. It had been organised in an excellent way by the Comité Français de Techniques Cartographiques. 25 member nations were represented, as well as delegates of certain other nations and of scientific organisations who attended as guests or observers. Professor Troll, President of the International Geographical Union (IGU), represented his organisation, as it was intended that ICA establish a certain alliance with IGU in due course. The record indicates that several items were dealt with:

1. Statutes: these were declared effective, having been revised since Bern, 1959. Article 3 concerning membership was specifically highlighted in the IJK report: *"National representation and rules for Admission: any nation which pursues an independent cartographic activity can be accepted as a member of the ICA provided that it agrees to participate financially in supporting the Association and in collaborating actively in its scientific and technical works. Each nation can only be represented as a member by one single organisation which should preferably be the national committee or society for cartography. Individual persons cannot be admitted as members."*
2. Admission of new members: up to the Paris meeting the following nations had been founding members: Germany, Austria, Belgium, Spain, USA, Finland, France, Italy, Norway, the Netherlands, the United Kingdom, Sweden and Switzerland. New members admitted in 1961 were Brazil, Canada, Ireland, Israel, India, Luxembourg, the Federation of Malayan States, Morocco, Iran, Greece, Japan and Portugal, thus increasing membership to 25 nations.

3. Reports of activity were tabled: each member nation was asked to submit a national report on its cartographic activity, to be published in a proposed ICA Bulletin.
4. It was decided to hold a scientific and technical conference lasting 6 days at Frankfurt am Main in September 1962. An appropriate invitation expressed by the Head of the German delegation, Oberregierungsrat Ermel, was gratefully accepted, and the German delegation was asked to take charge of the organisation for this meeting. The main topics were to be Generalisation, and Revision of Maps. The next General Assembly of delegates was scheduled to take place in London in 1964 following the International Congress of Geographers. The invitation from the Royal Geographical Society was accepted with applause.
5. Suggestions as to setting up Special Commissions: it was suggested to set up special Commission charged with the study of a number of scientific, technical and organisational problems. These topics were decided as a) training of experts; b) cartographic bibliography; c) survey of the actual state of topographic and thematic mapping of the Earth's surface; d) determination and compilation of a technical dictionary of cartographic terms; e) techniques and equipment for cartographic drawing; f) recent developments in the field of cartographic reproduction techniques; g) copyright issues.
6. The election of the Executive Committee for the period 1961-1964 was held: from the 'Committee of Six', President Imhof was re-elected, as was Secretary-Treasurer Gigas; Dr Mannerfelt (Sweden), Stéphane de Brommer (France), and Col Traversi (Italy) were re-elected as members, and were joined by Brigadier Thackwell (UK) and Granville K. Emminizer (USA).
7. Further miscellaneous activities during the meeting were noted: an instructive exhibition of maps at the Bibliothèque Nationale in Paris, dealing primarily with relief representation, was opened specifically for the ICA, and visits on the 31 May to IGN and on 2 June to the Institut Français du Pétrole were organised for delegates. Other visits and a banquet encouraged friendly contacts between Assembly participants. Thus, it was hoped that the young world organisation of cartographers, after having overcome organisational difficulties would focus its activities on scientific and technical problems, in an open and effective manner. We hope that the history of ICA since 1961 has followed this wish!

David Fairbairn | Secretary General & Treasurer | ICA ●

ica news 15th general assembly of ica

The 25th International Cartographic Conference (ICC) will take place in Paris from 3rd to 8th July 2011. This will be the major cartographic conference of the year and will bring together all international cartographers from every continent, along with a large number of local French cartographers and GIS scientists. In addition to this important highlight in the development of the discipline of cartography, the administration and activities of the ICA for the 2011-2015 period will be determined during this week. This is addressed by the General Assembly of ICA member nations, each represented by a delegate with equal votes. The first General Assembly of ICA took place in Paris in 1961, so it is highly appropriate that the 50th anniversary of this meeting sees the 2011 meeting of the General Assembly in the same attractive French city.

The 15th meeting of the ICA General Assembly will take place in conjunction with the ICC. All member nations of ICA will meet on Sunday 3rd July and on Friday 8th July to decide on the governance of the Association, through the election of a new Executive Committee (including President and Secretary General), and will decide on the future role of research activity within the Association by voting on the formation or continuation of Commissions, the research-led groups which develop the discipline of cartography through a range of activities and events.

ICA Commissions cover all aspects of cartography, and their existence and agendas are promoted on the ICA web site, as well as regular reports in this newsletter. All cartographers are encouraged to contact Commission chairs to volunteer their interest in Commissions and participate in the activities. Each Commission will present a business meeting in Paris to advertise their activities and summarise their work.

In addition to these elections, the General Assembly has numerous other duties to perform, hence its importance in the ICA Calen-

dar. Reports on the 2007-2011 will be tabled from all existing Commission chairs, as well as from the Executive Committee, President and Secretary General & Treasurer. Further, each member nation is expected to submit a national report covering 2007-2011 activities. The General Assembly will be asked to vote on possible changes to the Statutes and to vote on motions presented by member nations, and by the Executive Committee regarding membership.

As the General Assembly is the ultimate governing body of ICA, it has a duty to examine the accounts and assist the Treasurer in setting a budget. During the Paris meetings it will be asked also to consider updates to and give opinions on some of ICA's Guideline documents, which govern the day-to-day operations, as well as its more strategic direction. Updated documentation on what is expected by ICA from conference organisers, the duties of ICA officers, the role of national member organisations and the nature of their quadrennial national reports will be tabled. The updated Strategic Plan, covering the 2011-2019 period, will also be presented for discussion. The Executive Committee has been working on all of these documents recently, and looks to the General Assembly for confirmation of these Guidelines. All documentation for the General Assembly can be found on the ICA website at www.icaci.org/GeneralAssembly. The information will be available in French also, reflecting the ICA's commitment to its bi-lingual heritage.

The General Assembly also determines the location of its next meeting, and hence also the location of the 27th ICC (the 26th ICC will take place in Dresden in 2013). There are two competing bids from the western hemisphere (Brazil and USA) and lobbying will take place during the Paris conference. ICA hopes that the General Assembly in Paris will contribute to the further advancement of the Association.

David Fairbairn | Secretary General & Treasurer | ICA
| dave.fairbairn@newcastle.ac.uk

ica news 25 years ago...

The early days of computer-assisted cartography featured strongly in the report below. Although computers stayed with us for good, the Euro Carto disappeared...

Igor Drecki | Editor ICA News | ICA

ICA Newsletter, No 7, May 1986

EURO CARTO IV MEETING, OCTOBER 16-18, 1985, FRANKFURT, FRG

The Euro Carto IV meeting was held at the Institute für Angewandte Geodäsie (IfAG) in Frankfurt. About 75 persons attended from 14 nations. Dr. Walter Satzinger, Director of IfAG, was the organizer of the Conference.

In the first session, 'Computer-assisted Production and Revision of Maps' chaired by Prof. D. Rhind, four papers were delivered and discussed. The second session, 'Miscellaneous', included five papers: two on digital data base creation, one on an environmental information system for the European community, and a World Digital Data Base for Environmental Science. Session three included seven papers under the title 'Data Base Applications - Navigation, Hydrology ... Road Data Bases'. Session four, entitled 'Modelling of Digital Cartographic Data', included six papers.
[...]

The Euro Carto series continues to keep the world abreast of European developments in computer-assisted cartography. The series was initiated by D. Bickmore, in 1981, to enable small group of experts to periodically have a forum in which to explore in-depth an issue affecting cartography. The ICA is pleased that it has been able to support this series and looks forward to its future success. The next meeting, Euro Carto V, will be held in Paris in late May 1986, under the aegis of the Institut Géographique National.

ica general assemblies 1961-2011

- 1: Paris | France (1961)
- 2: London/Edinburgh | UK (1964)
- 3: Delhi | India (1968)
- 4: Ottawa | Canada (1972)
- 5: Moscow | USSR (1976)
- 6: Tokyo | Japan (1980)
- 7: Perth | Australia (1984)
- 8: Morelia | Mexico (1987)
- 9: Bournemouth | UK (1991) >>>>>>>
- 10: Barcelona | Spain (1995)
- 11: Ottawa | Canada (1999)
- 12: Durban | South Africa (2003)
- 13: A Coruña | Spain (2005) – extraordinary
- 14: Moscow | Russia (2007)
- 15: Paris | France (2011)

9th General Assembly of the ICA in Bournemouth, United Kingdom, 1991 | Photography Geoff Aitken



amy griffin



Like many people who grew up in the United States, I had little experience with geography in school, though I can recall my

father reading *National Geographic* each month from the time I was young. I eventually discovered the academic discipline of geography (and through it, cartography) via a round-about path: taking that last pesky social science requirement while doing my undergraduate degree at Macalester College. One class soon led to another and the next thing I knew, I had decided that a career as a cartographer was the job for me.

While undertaking a MSc thesis at Pennsylvania State University I came to the realization that while I enjoyed looking at and creating maps, the thing that really got me excited was learning about how people used maps to solve problems and think geographically. Two degrees and a move to Australia later, my work today at the University of New South Wales at the Australian Defence Force Academy in Canberra is directed to understanding the perceptual and cognitive processes we employ while reading maps, both interactive and those taking a more traditional form. I hope that my work will help cartographers to understand how to design the most effective maps for supporting particular goals. In my lab we use a variety of experimental techniques, including eye-tracking and other types of behavioural experiments to study what and how people see when they read maps. My work as a researcher benefits significantly through interacting with researchers from other disciplines such as cognitive science, spatial cognition and information visualization.

The ICA, and in particular, its commissions, has played an important role in my development as a cartographer, with many members mentoring me and providing suggestions for improving my work. I'm happy to now be in a position to mentor those starting out myself.

Amy Griffin | Australian Defence Force Academy
| University of New South Wales | Australia |
a.griffin@adfa.edu.au

Eye-tracking lets us see where map readers look and for how long. The bigger the circle, the longer the map reader looked in that location. In this experiment Anthony Robinson from Pennsylvania State University and I were trying to determine whether leader lines might be an effective substitute for color highlighting used to link dynamic maps and statistical graphics. And they are!

www.lecfc.fr

The history of the Comité Français de Cartographie (CFC) is closely linked to the history of the International Cartographic Association. In fact, the "French Committee of Cartographic Techniques" was founded in 1958, in response to the creation of the International Committee of Cartography in 1956, in which France's active participation was assumed by Professor Henri Gaussen and Ing Stéphane de Brommer. *Le Bulletin*, which was first published in March 1958, provided the CFC with the opportunity of publishing articles on Cartography and Geomatics in French. And now, its latest issue, n° 206 entitled *The World of Maps [Le Monde des Cartes]*, has just been published.

In April 1961, the CFC hosted the ICA's first General Assembly and 3rd International Cartography Conference in Paris. In 1962, the Committee changed its name to further develop its audience and reinforce its notoriety with the public-at-large, given the increasing importance of Cartography in a widening range of fields.

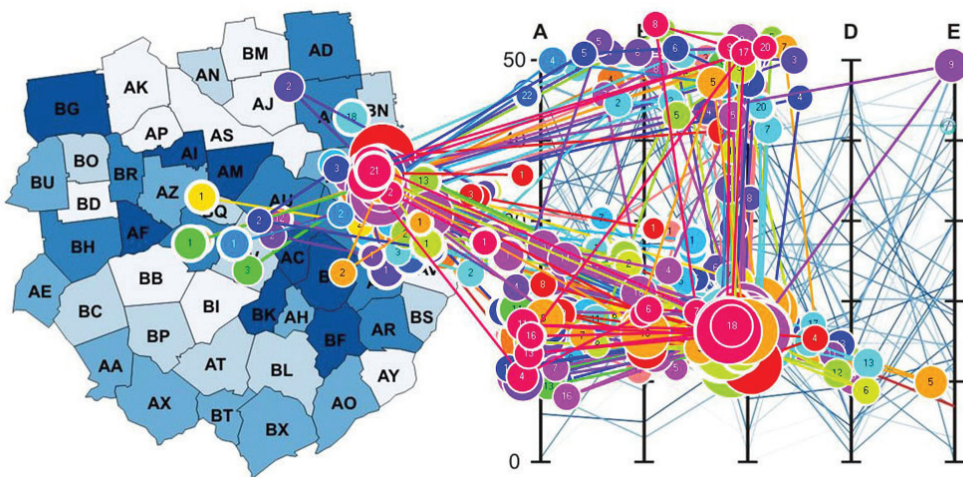
Today, the CFC has several Commissions such as History, Communications and

Semiology, which include experts who attend forums, hold research seminars, etc. There are also *Cartographic Cafés* organized by the Communications Commission for informed amateurs to meet with experts and discuss current topics of interest in Cartography. Institutions involved in mapmaking or in the History of Cartography or content providers regularly support the CFC and contribute to its renown.

The organisation of the 25th International Cartography Conference and the 15th General Assembly has provided the CFC with the opportunity to present its activities to new partners and to a wider public. This will also be the occasion to pay homage to Professor Jacques Bertin, winner of the prestigious Carl Mannerfelt Gold Medal in Ottawa in 1999, who was an active member of the Comité Français de Cartographie for a great many years, before he passed away in 2010.

Hélène Richard | President | Comité Français de Cartographie | France

The ICC 2011 Local Organizing Committee and the ICA's Executive Committee meeting in Paris, July 2010; the Comité Français de Cartographie is the main organiser of the ICC 2011 | Photograph courtesy of François Lecordix



profiles cartographic perspectives

www.nacis.org

Cartographic Perspectives, the journal of the North American Cartographic Information Society (NACIS), is an international journal devoted to the study and practice of Cartography in all of its diversity. It is published three times a year and includes peer-reviewed research on Cartography and Geovisualization (broadly defined), technical notes and tutorials on new methods, articles on library collections, reviews of books and atlases, and novel maps. All submitted articles are reviewed and returned to authors within 4-6 weeks. In the past three years, *Cartographic Perspectives* has an average rejection rate of 65%. All graphics included in accepted articles are published in full color, at no cost to authors. Past issues are available from NACIS website www.nacis.org.

We are pleased to announce that *Cartographic Perspectives* is transitioning to an open access format in 2011 with online pre-prints of

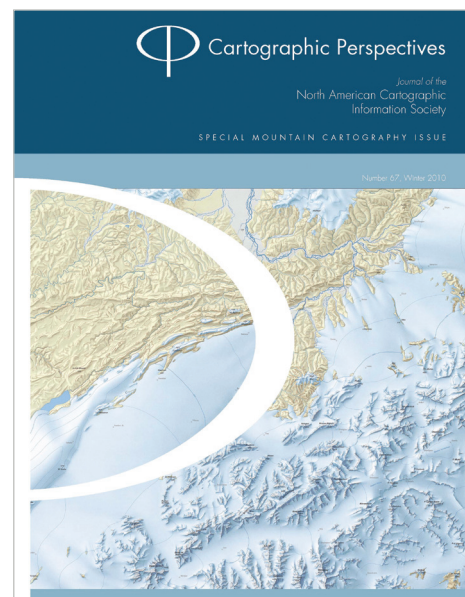
accepted peer-reviewed articles; both the print and web versions will continue to be supported. We also are pleased to announce a new annual, peer-reviewed student paper competition with a \$1350 prize for the winning entry. Any peer-reviewed manuscript accepted for publication in *Cartographic Perspectives* whose first author is a student is automatically eligible.

We encourage you to submit your work for consideration in *Cartographic Perspectives*.

Your unique cartographic perspective deserves to be shared!

Patrick Kennelly | Editor | *Cartographic Perspectives*
| USA ●

Recent cover of the *Cartographic Perspectives* journal



ica news ica executive committee meets in orlando

In November 2010, the ICA Executive Committee held a business meeting in conjunction with AutoCarto 2010 in Orlando, Florida, USA. This Cartography and Geographic Information Society (CaGIS) sponsored conference was held in conjunction with the American Society for Photogrammetry and Remote Sensing (ASPRS). During this meeting, hosted by the US National Committee, as the United States sponsoring body to the ICA, the Executive Committee was able to get an update on the forthcoming International Cartographic Conference that will occur in Paris from 3-8 July 2011, continue work on the revision of the organization's strategic plan, discuss recent improvements to the ICA website (www.icaci.org), begin discussions on the initial plans for Dresden in 2013, and reconnect with friends and colleagues from around the globe. This venue also allowed the ICA Executive Committee to meet and collaborate with leaders from the International Society of Photogrammetry and Remote Sensing.

A total of eight ICA Commissions and Working Groups took advantage of the spectacular Orlando, Florida venue to host workshops, symposiums, and meetings. The Working Group on Census Cartography organized a Symposium entitled: *Cartographic Advances in Census Data Collection and Dissemination*. The Commission on Management and Economics of Map Production held a workshop on the *Management of Geographic Information and Map Production*. A meeting about *Advances in Sensors and Algorithms for Topographic and Thematic Mapping* was co-sponsored by the Commission on Mapping

from Satellite Imagery and the Commission on Geospatial Analysis and Modeling. The Commission on Maps and the Internet and the Working Group on Open Source Geospatial Technologies organized a meeting about *Online Maps with APIs and Map Services*. Additionally, the Commission on Map Projection and the Working Group on Cartography on Early Warning and Crisis Management also held meetings.

This highly successful conference attracted 605 attendees from 39 countries. The ICA was a significant contributor to the international success of the conference. According to Eric

Anderson, executive director of CaGIS, *"AutoCarto has always attracted international participation, but to have the ICA Executive Committee and a record number of ICA Commissions and Working Groups involved was tremendously encouraging. The co-location of CaGIS, ICA, ASPRS, and ISPRS creates an atmosphere of collaboration across the GeoSciences and demonstrates the ability of CaGIS to provide leadership to this community."*

Timothy Trainor | Vice President | ICA ●

Meeting of the US National Committee for ICA, CaGIS Board, and the ICA Executive Committee in Orlando, Florida, USA, 2010 | Photography Eric Anderson





The Barbara Petchenik Children's Map Competition poster designed by Aneliya Yotova, former participant of the competition from Bulgaria; children's drawings featuring on the poster were digitised by Jeet Awal from Canada | Image courtesy of Temenoujka Bandrova

Cartography and Children

lazarus.elte.hu/ccc/ccc.htm

Barbara Petchenik Competition Poster

The ICA Commission on Cartography and Children is organizing the 10th International Children's Map Exhibition at the ICC 2011 in Paris, July 2011. The local organizers are François Lecordix, Secretary General of the French Committee of Cartography (CFC) and Jasmine Desclaux-Salachas, Vice President of CFC and Chair of the CFC's Commission on Communication and Cartography. The poster also announces the 20 Years of Barbara Petchenik Children's Map Competition, which will be celebrated in Dresden, Germany at ICC 2013.

The poster is sponsored by the ICA and distributed to the national children's map competition coordinators. The national members and ICA representatives will receive a copy in Paris during the upcoming General Assembly.

Temenoujka Bandrova and José Jesús Reyes Nuñez | Co-Chairs | ICA Commission on Cartography and Children | *Bulgaria / Hungary* ●

Education and Training

lazarus.elte.hu/cet/

Commission Activities 2007-2011

Meetings: The ICA Commission on Education and Training (CET) held face-to-face meeting in

Prague, Czech Republic in 2009 as part of the symposium on Cartography and Geoinformatics for Early Warning and Emergency Management.

Another face-to-face meeting was organised at the ICC 2009 conference in Chile. The Chair of the CET also contributed to the symposium *The Future of Maps and the Internet* organised by the Commission on Maps and the Internet and run prior to the conference between 13-15 November 2009 in Valparaíso.

Workshops: 2009 Iran Workshop – 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 United Kingdom.

2010 Cartographic Workshops – CET used the cartography workshop held in Tehran as a model for further workshops. Guidelines have been produced for the workshops. They can be found at the CET website under the *Cartographic Workshops* tab.

2010 Vietnam Workshop – CET held another workshop in Ho Chi Minh City, Vietnam between 19-30 July. Presenters included Professor László Zentai (Hungary), Professor Vít Voženílek (Czech Republic), Professor William Cartwright (Australia) and Manuela Schmidt (Austria).

2010 Indonesia Workshop – the city of Jakarta in Indonesia was a venue of yet another CET workshop between 26 July and 6 August. It was facilitated by Professor Ferjan Ormeling (the Netherlands), Dr Gang-Jun Liu (Australia), Professor William Cartwright (Australia) and Manuela Schmidt (Austria).

2011 Paris Symposium / Workshop – a workshop *Maps for the future: Children, Education and the Internet* has been organised for prior to the ICC 2011 at the University of Orleans, 30 June – 1 July. The ICA Commissions on Cartography and Children, Education and Training, Maps and the Internet and Planetary Cartography along with the Working Group on Cartography on Early Warning and Crisis Management have been confirmed as partners. Jesús Reyes and László Zentai from Hungary are the key organising team.

Publications: CET contributed two discussion papers *The Role of International Geomatics Organisations in the Promotion of Continuing Professional Development (CPD)* by David Fairbairn and David Fraser, and *The Changing Face of Cartographic Education and Training* by David Fraser, László Zentai and Maria Cecilia Bonato Brandalize.

ICC 2009 papers – more than ten papers on cartographic education were presented at the ICC 2009 conference in Chile and are now available from the CET website.

ICC 2011 papers – a similar number of papers on education and training have been submitted to ICC 2011 and these will be linked to the CET website at the conclusion of the conference.

Review of Cartographic Education and Training papers for ICC 2009 Chile and ICC 2011 France – Commission members reviewed the cartographic education and training papers presented for consideration for the ICC 2009 and 2011 conferences. Commission members Dr John Kostelnick and Dr Elisabeth Chesneau took on the role of reviewers in 2011.

CET newsletter – a regular newsletter (eCET) has been produced in 2009, 2010 and 2011. A copy has been sent to all CET commission members and other ICA commission and working group chairs. Back issues can be found at the CET website.

CET contributions to *ICA News* and *GIM Magazine* – CET contributions and reports were prepared for the ICA newsletter on regular basis and articles submitted to *GIM Magazine* during 2007-2011.

CET website – the Commission website is regularly updated by Professor László Zentai so that it remains up-to-date and relevant to members and the International community of cartographers.

Cartographic Resources: a list of cartographic resources for those involved in cartographic education and training has been compiled and placed on the CET website under the *Cartographic Resources* tab. The list will grow over time as more resources are identified.

Other Initiatives: 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. A copy of the awards document is available from the CET website.

Cartography Island – it is a 'virtual' island in the Pacific. On this island is placed information about different aspects of cartography. Go to lazarus.elte.hu/cet/cartography_island/island.htm and take a tour.

Generic Guidelines for Continuing Professional Development – the Continuing Professional Development program has been developed by the CET. These guidelines have been placed on the CET website.

Generic Attributes of Cartographers – the CET discussed the merit of developing a generic attributes list for cartography graduates and an initial set of attributes was prepared.

Future Plans

Professor László Zentai has produced a new set of CET Terms of Reference for the coming period 2011-2015. David Fraser will step down as Chair of the Commission on Education and Training at the 2011 ICA General Assembly in Paris. If accepted by the General Assembly of ICA, Professor László Zentai (Hungary) will take over as chair for the next four years. David Fraser will assist him during this time as Vice-Chair.

David Fraser | Chair | ICA Commission on Education and Training | *Australia* ●

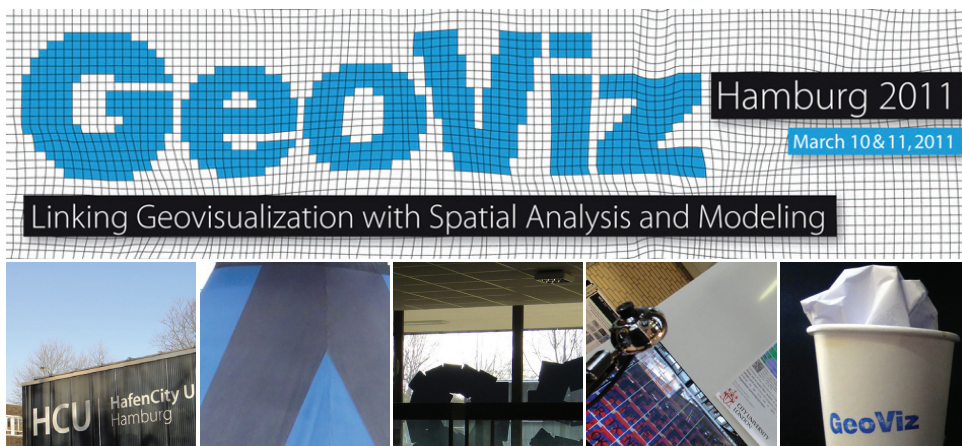
Geospatial Analysis and Modeling

fromto.hig.se/~bjg/ica/

Six Years of Activities 2005-2011

Geospatial analysis and modeling has received increasing attention in the field of geographic information science and cartography due to the availability of large amount of geographic information about cities, the environment and human activities. ICA established the Commission on Geospatial Analysis and Modeling in 2007 following from a two-year term as an ICA Working Group 2005-2007. In the past six

Participants of the 3rd ICA Workshop on Geospatial Analysis and Modeling in Gävle, Sweden, 6-7 August 2009 | *Photograph courtesy of Bin Jiang*



Banner of the GeoViz Workshop held in Hamburg, Germany | *Image courtesy of Jason Dykes*

years, we have organized a series of activities and attracted over 40 members from all over the world. This commission has conducted three ICA workshops on geospatial analysis and modeling in the past years, and fourth one is to be held this August in Canada. From these workshops' presentations, we have guest edited three special issues published with some international journals: *Computers, Environment and Urban Systems* (Elsevier), and *Environment and Planning B* (Pion), as well as an edited book entitled *Geospatial Analysis and Modeling of Urban Structure and Dynamics* (Springer). In the mean time, we have organized some joint workshops and tutorials for young researchers. Among several others, we have co-organized one workshop with the ICA Commission on Geovisualization, and one workshop with ICA Commission on Mapping from Satellite Imagery. For more and updated information about this Commission and its activities, please visit the commission website. Taking this opportunity, we would like to invite you to join our Commission should your research have been related to geospatial analysis and modeling.

Bin Jiang | Chair | ICA Commission on Geospatial Analysis and Modeling | *Sweden* ●

GeoVisualization

geoanalytics.net/ica/

Workshop in Hamburg, Germany

GeoViz 2011 took place at Hafen City University Hamburg in March. The meeting provided an opportunity for 84 researchers from diverse locations to present, discuss and develop research linking Geovisualization, Spatial Analysis and Modelling.

Participants from 15 countries in Europe, Asia and North America were treated to 41 presentations in the famous HafenCity University circus tent. These were delivered in just two days through the GeoViz format that is specifically designed to focus on new ideas,

their development and information exchange.

This involves short oral presentations with time allocated for discussion, sessions of just 1 hour's duration and long inter-session periods for reflection, discussion and demonstration.

New features this year further promoted these objectives, including sessions of rapidly sequenced mini-talks followed by collective discussion and a *Poster (p)Re-Cycling* event designed to make the most of existing resources at which participants showcased posters presented or to be presented at other meetings. Posters hung in the atrium around the circus tent that housed presentations. They were supplemented with interactive demos and installations and enjoyed by all as a focus for ideas and communication over coffee during the generous inter-session breaks. Colleagues from Paderborn and Barcelona showcased a multi-touch table that provided plenty of scope for interaction and discussion.

Key themes at the meeting included novel visualization and interaction with model residuals and parameters, uncertainty, the development of online applications, public engagement and privacy, new means of representing geospatial phenomena, and design studies in the context of newly available data sets and evaluation.

A number of the contributions have been selected by the organising committee for submission to a special issue of *Cartographica*. Invitations were based upon initial reviews by the 24-person strong international programme committee and subsequent discussion relating to the scope and quality of the work presented at GeoViz. The journal will showcase current research effort in geovisualization, spatial analysis and modelling and is planned for release as the 4th issue of the 2011 volume of *Cartographica*.

GeoViz followed the meeting of the German Cartographic Society's Commission on Cartographic Research and provided an excellent opportunity for cartographers to demonstrate and discuss geovisualization, spatial analysis and modelling. The meeting was jointly organized by the ICA Commissions

> 12

on Geovisualization and Commission on Geospatial Analysis and Modeling, with key contributions from Bin Jiang, Jukka Krisp, Gennady Andrienko, Jason Dykes and Jochen Schiewe. Excellent support from the g2lab at HafenCity University, along with branding and local arrangements by Anna-Lena Kornfeld, Christoph Kinkeldey, Tonio Fincke and Beate Weninger made this a special, productive and highly enjoyable meeting for all.

Further information about GeoViz, including abstracts and presentation slides, can be found on the Workshop's website www.geomatik-hamburg.de/geoviz.

Jason Dykes | Co-Chair | ICA Commission on GeoVisualization | UK ●

History of Cartography

www.icahistcarto.org/

Workshop in Paris, France

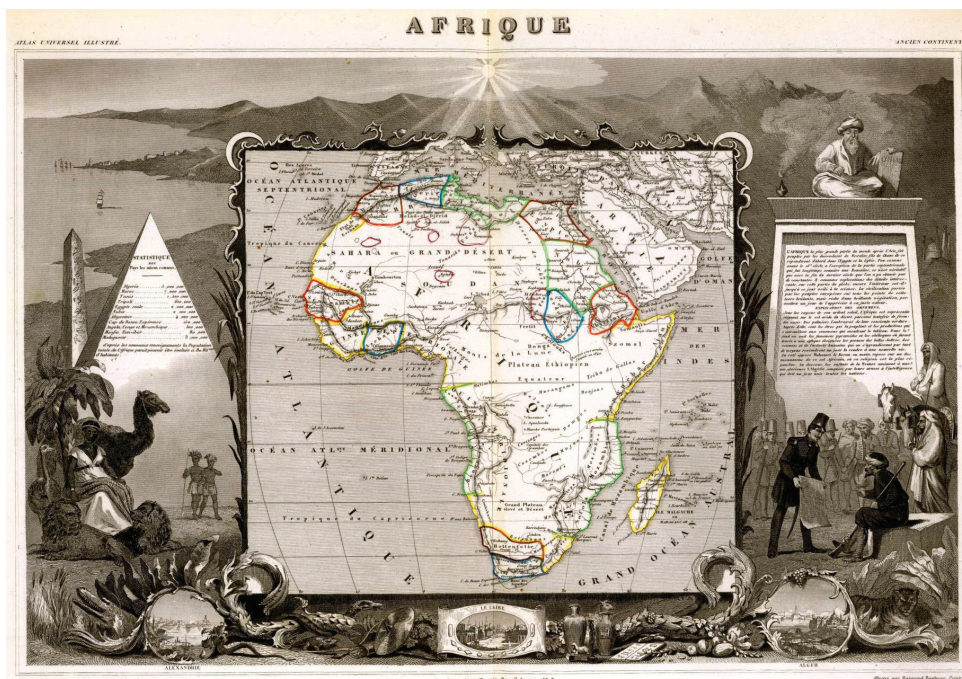
The ICA Commission on the History of Cartography plans a one-day Workshop at the Bibliothèque Nationale de France (BNF) in Paris (Richelieu-site) on Saturday, 2 July 2011. The Programme will comprise of the following:

- A demonstration by Dr Alastair Pearson of Portsmouth University, UK, of the capability and potential of the software package *MapAnalyst* developed by Dr Bernhard Jenny of the Kartographisches Institut, ETH Zürich and known as "The Map Historian's Tool for the Analysis of Old Maps"
- A presentation by Dr Paul van den Brink of the University of Utrecht, The Netherlands, on *The Internet as a Resource for Carto-bibliographic Research*
- A presentation by Lucia Lovison-Golob on the *The Exploration of African Cartography at the Afriterra Foundation*; the speaker is Project Director of the Afriterra Foundation, a non-profit cartographic library and archive in Boston, Massachusetts, USA, and Chair of the ICA Working Group on Open Access Data and Intellectual Property Rights
- A visit to the Map Department where a selection of particular maps of Africa relating to the colonial period, from the BNF's collection, will be presented and commented on

Attendance of the Workshop will be open to everybody, including persons who have not registered for the main Conference, and attendance will be free. Prospective attendees should please contact the Chair of the ICA Commission on the History of Cartography Elri Liebenberg at elri@worldonline.co.za before 15 June 2011.

Exhibition

To coincide with the main ICA Conference, the Bibliothèque Nationale de France (BNF) will be



Victor Levasseur's map of Africa, 1856 | Image courtesy of Elri Liebenberg

presenting an exhibition from 21 June until 21 August 2011 on *Carnets de Route des Explorateurs d'Afrique* (African Explorers' Itineraries). The exhibition will be open daily from 09:00 to 20:00, admission free. For more information, visit BNF's website at www.bnf.fr.

Elri Liebenberg | Chair | ICA Commission on the History of Cartography | South Africa ●

Mapping from Satellite Imagery

mailer.fsu.edu/~xyang/ica/

Publication

The *Earth Observations and Remote Sensing for Environmental Management and Hazard Mitigation* special issue published by the *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing* in March 2011 is one of the four major publications related to the 2nd International Conference on Earth Observation for Global Changes (EOGC2009) sponsored by the ICA Commission on Mapping from Satellite Imagery (see *ICA News* No 54). It was edited by Dr Xiaojun Yang and Dr Jonathan Li, Chair and Vice-Chair of the ICA Commission on Mapping from Satellite Imagery. This volume includes seven papers selected from more than twenty submissions that have been peer reviewed according to the established criteria. These papers cover urban impervious surface mapping, soil moisture retrieval, urban heat island intensity simulation, coastal water dynamics, flood mapping, and subsidence estimation.

EOGC2011

The 3rd International Conference on Earth Observation for Global Changes (EOGC2011) was successfully held in Munich, Germany, 13-15 April 2011. The EOGC2011 was hosted by the Technical University of Munich, with a sponsorship from the ICA Commission on Mapping from Satellite Imagery and three additional international professional societies, including ISPRS, IAG, and ISDE. Dr Xiaojun Yang and Dr Jonathan Li served as co-chairs of the EOGC2011 Scientific Committee. In addition, Dr Yifang Ban (Sweden) and Dr Julian Smit (South Africa) served on the Committee. The EOGC 2011 major themes covered a wide range of topics such as global geodetic observing systems, land changes, natural hazards, geospatial data processing for global change studies, among others. A total of nine technical sessions were held. A selected collection of papers that were presented at

Participants of the EOGC2011 Conference sponsored by the ICA Commission on Mapping from Satellite Imagery in Munich, Germany | Photograph courtesy of Xiaojun Yang



EOGC2011 will be included in a book to be published by Springer.

Other Events

The Commission sponsored another conference, the 2011 Joint Urban Remote Sensing Event, that was successfully held in Munich, Germany, 11-13 April 2011. In addition, the Commission is sponsoring another important event: LIDAR & RADAR 2011 – the International Symposium on LIDAR and RADAR Mapping, Nanjing, China, 26-29 May 2011.

Xiaojun Yang | Chair | ICA Commission on Mapping from Satellite Imagery | USA ●

Maps and Society

Recent Activities

In the eighteen months since the ICA Conference in Santiago, Chile, the ICA Commission on Maps and Society has organised three meetings. Jörn Seemann (Brazil) organised two thematic sessions focusing on *Cartographic History and Histories*, at the 3rd International Symposium on the History of Cartography, University of Texas at Arlington, USA held 10-13 October 2010.

On 16-17 June 2011, the Commission is participating in the Mapping Ecologies of Place Workshop, to be held in the Centre for Cultural Research in the University of Western Sydney. Chris Perkins, Commission Chair, is giving one of the two keynotes at this meeting. For details see www.commarts.uws.edu.au/mapping-ecologies/.

And prior to the ICA Conference in Paris we have organised a full day Workshop in conjunction with the ICA Working Group on Art and Cartography, focusing on mapping practices, in the context of map art, participatory mapping and community mapping initiatives. This workshop featuring 15 papers is scheduled for 2 July, and will be held at the Institute of Geography, 191 rue Saint Jacques, Paris 6e. For details see artcarto.wordpress.com/.

Chris Perkins | Chair | ICA Commission on Maps and Society | UK ●

Maps and the Internet

maps.unomaha.edu/ica/

Maps and the Internet Commission becomes 12

The Maps and the Internet Commission was established at the 1999 ICA General Assembly in Ottawa, Canada. The commission was established from the recognition that the

Internet was leading to a major change in the way maps are distributed and used.

The beginnings of maps and the World Wide Web can be traced to 1993 and the introduction of Mosaic, the first web browser that incorporated graphics. Since 1999, the Maps and the Internet commission has sponsored annual meetings, co-sponsored sessions at meetings with other commissions and organizations, and presented a number of workshops in different parts of the world. In addition, the work of the commission has led to two books:

- *Maps and the Internet* (2003) Amsterdam, Cambridge: Elsevier Press; re-published 2006 as paperback
- *International Perspectives on Maps and the Internet* (2007) Berlin: Springer Verlag

A third book with the title *Online Maps with APIs and Mapservices* is in preparation and will be published later this year.

Annual meetings of the commission for the past four years took place in Warsaw, Poland, Shepherdstown, West Virginia, USA, Valparaíso, Chile, and Orlando, Florida, USA. The meeting in Shepherdstown was co-sponsored with the Commission on Ubiquitous Cartography. The meeting this year in Orleans prior to the ICC in Paris is co-sponsored with the ICA Commission on Cartography and Children, Education and Training and Planetary Cartography, and the ICA Working Group on Cartography on Early Warning and Crisis Management.

The commission serves a unique role in bringing together specialists in maps and the Internet – both in the technical development and map user domains. It also promotes workshops around the world that bring the techniques of Internet mapping to a larger audience. Applied workshops have been held in Cuba, Colombia, Germany, India, Iran, Malaysia, and the United States.

The current Co-Chairs are Michael Peterson (USA) and Georg Gartner (Austria).

Michael Peterson | Chair | ICA Commission on Maps and the Internet | USA ●

Marine Cartography

www.shoa.cl/ica/

Commission Activities 2007-2011

Since the 14th General Assembly of the ICA in Moscow in August 2007, the ICA Commission on Marine Cartography (CMC) worked to strengthen and enhance the commission's programme of activities, in line with the Terms of Reference of the CMC. At the beginning of 2009 a newer and improved CMC website was created, with links to nautical cartography and other interesting sites.

During the ICC 2009 in Santiago, representatives from Croatia, USA, France, Turkey, Chile

and Jeppesen Marine, with special participation of the ICA President Prof William Cartwright, discussed several ideas to publicize and disseminate information about the Commission's work, particularly with regards to the big changes that Electronic Nautical Cartography will bring worldwide. The meeting provided an introduction to the objectives and goals of the CMC and detailed different issues such as the new IHO S-100 standard, ECDIS use, e-navigation and the CMC Chair's future plans for the Commission. We have provided support to the Maps and Internet Commission's meeting held in Valparaíso immediately prior to ICC 2009 in Chile; one of our Chilean members presented a paper *Official Nautical Chart: Development of a Standard*. We have also provided support to the 3rd International Conference on Cartography and GIS, held in Nessebar, Bulgaria in June 2010, although no member of CMC attended due the earthquake and tsunami that struck Chile in February 2010. We participated actively in reviewing papers for the ICC 2009 and ICC 2011.

We have continued to contribute to the work of FIG/IHO/ICA Board on *Standards of Competence for Hydrographic Surveyors and Nautical Cartographers*. Our representatives are Dr Lysandros Tsoulos (Greece, current Chair of the Board) and Mr Ron Furness (Australia). The Board have also been updating new editions of the publications *Standard of Competence for Nautical Cartographer* (S-8) and *Standard of Competence for Hydrographic Surveyors* (S-5), which can be downloaded from the International Hydrographic Organization (IHO) website www.iho.int/. These publications will be of great interest to those who teach or take courses related to hydrography and nautical cartography. The representatives of CMC have attended the following meetings:

- Sydney, Australia in 2008
- Genoa, Italy in 2009
- Port of Spain, Trinidad and Tobago in 2010
- New Orleans, USA in 2011

We have continued to actively encourage our International Geographical Union (IGU) colleagues to participate in the CoastGIS 2009 Conference in Itajai, Brazil and the CostGIS 2011 in Oostende, Belgium planned for September 2011. Mr Ron Furness is our representative at these meetings.

Patricio Carrasco | Chair | ICA Commission on Marine Cartography | Chile ●

Mountain Cartography

www.mountaincartography.org/

Workshop in Borsa, Romania

The International Cartographic Association (ICA) Commission on Mountain Cartography held its seventh biennial workshop in

> 14



Participants of the 7th ICA Mountain Cartography Workshop held in Borsa, Romania | *Photograph courtesy of Karel Kriz*

Borsa, Romania, on 1-5 September 2010.

The Sighetu Marmatiei Extension of Babes-Bolyai University organized the workshop at the Hotel Paltinis, located at the base of the Rodnei Mountains – at 2303m, the highest spot in the Oriental Carpathians. Borsa, situated in Maramures in the extreme north of Romania, is home to 29,000 inhabitants. Mineral springs, mountaineering, and skiing are popular tourist attractions and activities in the region.

Staying at a small hotel, booked exclusively for the workshop, facilitated professional interaction members of our group. The workshop hosted 39 participants from 11 countries: Austria, Switzerland, Germany, Greece, Poland, Russia, Slovenia, Spain, Argentina, the United States, and Romania. The attendees represented an array of professions, from academics, practicing cartographers and map designers to glaciologists, all bound by a common interest in mapping mountains.

The workshop themes were broadly organized around mountain mapping and geospatial information retrieval. The program featured three kinds of presentations: long presentations (10 minutes), short presentations and demos (6 minutes), and posters. The 26 presentations were organized into the following themes:

- Mapping and GIS applications for mountain regions
- Relief mapping and visualization
- Tourist mapping projects – good practice guide
- 3D mapping
- Topographic mapping
- Visualization, animation and new techniques

Further information on the workshop as well as about commission activities can be found at the Commission's website.

Karel Kriz | Chair | ICA Commission on Mountain Cartography | *Austria* ●

National and Regional Atlases

www.univie.ac.at/cnra/

Commission Activities 2007-2011

“Cook Book” for Atlas Editors: Following many successful years of Timothy Trainor's chairmanship, the chair of the Commission passed on to Peter Jordan at the ICA General Assembly in Moscow in 2007. The main goal of the Commission in the past four years was to elaborate and, if possible, publish a “cook book” for atlas editors. While the editorial board has been established, a detailed list of contents set up (after intensive discussions), authors for all chapters found and several chapters completed, the book still lacks some important contributions and cannot thus far be completed. However, prospects are good and it should be finished relatively soon in the next four-year term.

Organisers of the ICA Commission on National and Regional Atlases Workshop in Yogyakarta, Indonesia | *Photograph courtesy of Peter Jordan*



Website: Thanks to Alexander Pucher from the University of Vienna, Austria, the Commission website has been established and regularly maintained. It remains, of course, a permanent task to develop it further and publish especially an inventory of atlases. An important step in this direction is going to be the pre-ICA Conference workshop of the Commission in Paris, 1-2 July 2011, where new atlases and atlas revisions will be presented. The Commission plans to publish information about these atlases on its website.

Meetings and Workshops: Significant milestones of the Commission work are most certainly the meetings and workshops. Besides the usual business meetings in the framework of the ICA Conferences in Moscow and Santiago, two Commission workshops in Timișoara (Romania) and Yogyakarta (Indonesia) stand out in this context.

2008 Workshop in Timișoara, Romania, 9-13 September – this was a joint meeting with the Working Group on Exonyms of the United Nations Group of Experts on Geographical Names (UNGEGN) hosted by the West University of Timișoara. It covered the topic of geographical names and their different modes of use, as well as the general structure of the “cook book”. 48 colleagues from 18 countries attended the workshop. UNGEGN experts contributed especially to the discussion on geographical names. During the workshop essential progress was made with regards to defining the structure of the “cook book”, which will contain 10 chapters. For most of the chapters authors were found.

2010 Workshop in Yogyakarta, Indonesia, 20-21 October 2010 – the meeting had been organised by the National Coordinating Agency for Surveying and Mapping, Indonesia, and our Commission in cooperation with the Faculty of Geography of the Gadjah Mada University of Yogyakarta, the Indonesian Cartography

Association, the Indonesian Geography Association and the Association of Geographers of the Gadjah Mada University. Very helpful was Diah Kirana Kresnawati from the National Coordinating Agency for Survey and Mapping, who acted as the principal local organizer. The meeting was composed of two sessions, a workshop titled *Atlases as Expressions and Carriers of Space-related Identity* (20 October), and a seminar titled *The Strategic Role of Maps in Development* (21 October). The meeting was also used as an occasion to present Volume II of the National Atlas of Indonesia. More than 150 participants came to a larger part of the Workshop from the local university and other parts of Indonesia. The whole event received a wide attention in Indonesian media.

Other Events: The Commission also co-organized some other meetings and conferences, such as the 3rd Conference of the Adriatic Forum in Vienna, Austria, 23-24 September 2010. The main focus of this meeting was regional development and regionalisation in the Adriatic space (in a wider sense). Although the conference was mainly attended by geographers, atlases, as means of representing regional development, were on the agenda. The conference attracted 85 participants from 15 European countries. Its proceedings will be published in the *ISR-Forschungsberichte* book series, edited by the Institute of Urban and Regional Studies, Austrian Academy of Sciences.

Future Plans

Prior to the 25th International Cartographic Conference in Paris, the ICA Commission on National and Regional Atlases organises a 2-day Workshop on Friday and Saturday, 1-2 July 2011, on national, regional, city, thematic and school atlases at the Institut Géographique National (IGN) Saint Mandé in Paris.

This workshop is conceived as a sequence of short presentations of new atlases, recent atlas editions and instalments or functional improvements and extensions of electronic atlases. The workshop is open for all types of atlases published from 2009 onwards (in exceptional cases also older publications are welcome). Presenters will be invited to place their presentations at the Commission website after the workshop. We are happy to say that many papers have been submitted and the workshop promises to provide a comprehensive survey over the recent atlas production worldwide.

The workshop is free to attend and open to all interested parties. For attendees not presenting a paper, no formal registration is required. For a detailed programme of the workshop, please contact Peter Jordan at peter.jordan@oeaw.ac.at.

Peter Jordan | Chair | ICA Commission on National and Regional Atlases | *Austria* ●

Theoretical Cartography

rcswww.urz.tu-dresden.de/~wolodt/tc-com/

Seminar in Kyiv, Ukraine

On 18 March 2011, the ICA Commission on Theoretical Cartography and the Institute of Ecological Safety of the National Aviation University held the 5th Seminar *Cartography, Cartosemiotics and Ecological Safety* in Kyiv, Ukraine. Co-organizers of seminar were Alexander Wolodtschenko (Germany) and Oleksandr Zaporozhets (Ukraine).

Cartographers, geographers, surveyors, ecologists and computer scientists from Belarus, Germany, Poland, Russian Federation and Ukraine presented and discussed a variety of cartographic, ecological, cartosemiotic and information technology papers in two oral sessions. It was a 1-day seminar providing a productive exchange of diverse opinions and positions on classical and technological cartography. A selection of papers will be published in the e-journal *<meta-carto-semiotics>*, Vol 4, 2011.

Seminar in Vilnius, Lithuania

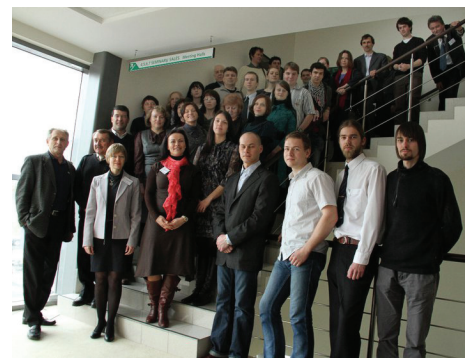
The ICA Commission on Theoretical Cartography together with the Lithuanian Cartographic Association organised the 6th Cartosemiotic Seminar entitled *Competences in Modern Cartography* on 8 April 2011 in Vilnius, Lithuania.

The seminar was held in the Conference Hall of Carolina Hotel. Local organizers were Giedre Beconyte and Algimantas Cesnulevicius. After greetings and keynote presentation entitled *Towards the development of body of knowledge for the domain of cartography* by Georg Gartner, Vice President of ICA, the seminar continued its proceedings in three paper sessions and a poster session. Students and academics from Austria, Belarus, Germany, Latvia, Russian Federation, Ukraine, USA and Lithuania had an opportunity to present results of their research. Selected papers will be published in the Lithuanian journal *Geography*. The next 7th Cartosemiotic Seminar is planned for 2013 in Vilnius or Kaunas.

Seminar in Paris, France

On 1 July 2011, the Commission organises a pre-ICC 2011 Seminar at the Institut Géographique National (IGN) in Paris (Saint-Mandé). It will be the last seminar of the Commission in the current term 2007-2011. After 12 years of leading the Commission, Alexander Wolodtschenko decided to step down; it will be his last seminar as a Commission Chair.

The 2011-2015 term will see a new Chair and possibly a generation change in the Commission. *Quo vadis theoretical cartography in the second decade of the 21st century?* This



Participants of the 6th Cartosemiotic Seminar in Vilnius, Lithuania | Photograph courtesy of Alexander Wolodtschenko

is an interesting and important question for cartography today.

Alexander Wolodtschenko | Chair | ICA Commission on Theoretical Cartography | *Germany* ●

Use and User Issues

www.univie.ac.at/icacomuse/

Workshops in London, UK

Just like all other Commissions and Working Groups of the International Cartographic Association, over the past few months the ICA Commission on Use and User Issues has been preparing for the biennial highlight of the ICA calendar – the 25th International Cartographic Conference in Paris, France.

We are looking forward to some interesting sessions with oral presentations focussing on use, users and usability. These sessions already start at the beginning of the conference week and they are usually scheduled in Room 242a. As usual, there will also be an open meeting of the Commission to which everybody with an interest in use and user issues in cartography and geoinformation processing is invited. We will bring you up-to-date with our recent achievements and future plans, for instance those related to the planned Commission book publication on methods and techniques of use, user and usability research.

Two days prior to the start of ICC 2011, the Commission organizes a pre-conference workshop on User Issues in Public Transport Geoinformation, which will be held on 1 and 2 July 2011 at IGN in Paris (Saint-Mandé), France. This is going to be a special workshop with not only presentations and demonstrations, but also with a real “dive” into the Paris’ public transport system. Isn’t this an appropriate warm-up for ICC 2011? All information about this workshop is available through the Commission’s website where you can also register.

Corné van Elzakker | Chair | ICA Commission on Use and User Issues | *The Netherlands* ●



Participants of the Art and Cartography workshop "*Mapping*" *Environmental Issues in the City: Arts and Cartographic Cross Perspectives* during a field activity in Montréal, Canada | Photograph courtesy of Sébastien Caquard

Art and Cartography

artcarto.wordpress.com/

Workshop in Montréal, Canada

In September 2010, the ICA Working Group on Art and Cartography organized a workshop entitled "*Mapping*" *Environmental Issues in the City: Arts and Cartographic Cross Perspectives*. This workshop aimed to encourage and explore the interactions between cartographers, artists, designers and any other area of 'arts' (poets, writers, dancers, gamers) who work in the various aspects of mapping.

The goal of the Montréal workshop was to expose cartography to the mapping from the arts – and vice versa. In order to reach these goals, the workshop was designed to facilitate the production of diverse spatial representations of a specific database. This database has been compiled during the winter 2010 by students of the Diploma in Environmental Assessment (Department of Geography, Planning & Environment) at Concordia University, Montréal. The data collection and data analysis was part of a course entitled *Geographic Information Systems for Environmental Impact Assessment (ENVS663)*. This database includes data relative to health issues, socio-demographic profiles, air quality and industrial release in Montréal.

International scholars, students and artists were then invited to submit proposals describing projects somehow inspired by this database. During three days between 8-10 September 2010, 16 artists, cartographers, designers, and media practitioners internationally (Canada, USA, Europe, Australia, New Zealand) have developed their own project and contributed to the development of others. For more details about the workshop, please visit mappingworkshop.wordpress.com.

After the workshop, authors have been invited to finalize their project into scientific and artistic contributions. The diverse disciplinary explorations that emerged from this workshop are in the process of being published by Springer Verlag in the *Lecture Notes in*

Geoinformation and Cartography series. Hopefully, this book co-edited by Sébastien Caquard, Laurene Vaughan and William Cartwright will be available for the ICC 2011.

Upcoming Events

The Art and Cartography Working Group will also be active during the conference in Paris. On top of the regular paper sessions, we will propose two events. First, we organize a workshop in collaboration with the Commission on Cartography and Society. This workshop entitled *Mapping Processes and Practices: Arts, Maps and Society* will take place at the Institute of Geography on 2 July 2011. At the moment we have 17 presentations scheduled. For more details see artcarto.wordpress.com/2011/05/09/workshop-paris-july-2nd-2011-program/.

Secondly, Barbara Piatti is organizing an experimental walk / drift in entitled *Exploration des frontières invisibles dans Paris – cartographes et artistes en promenade dialogique*, in collaboration with some Parisian artists. This activity will take place on 4 July from 17:00 to 22:00 and will provide a unique opportunity for cartographers to interact with artists in a stimulating and informal context. This activity will be followed by an aperitif. People interested in this experimental walk should register via barbara.piatti@wiko-berlin.de since the number of places is limited.

Sébastien Caquard and Barbara Piatti | Co-Chairs | ICA Working Group on Art and Cartography | Canada / Switzerland ●

Cartography on Early Warning and Crisis Management

Working Group Activities 2007-2011

For a number of years the ICA has been active in the area of Early Warning and Crisis, Disaster

and Risk Management. Current Chair of the ICA Working Group on Cartography on Early Warning and Crisis Management (CEWCM), Professor Milan Konečný, first elaborated on the need for cartography and GIScience communities to be actively involved in this area at the 2nd International Conference on Early Warning (EWC II) in 2003. Following this, the ICA was the first member of the Joint Board of Geographic Information Societies (JBGIS), which started to deal with the problem. The topic of Early Warning and Crisis Management was also incorporated into the 2005 Memorandum of Understanding between the United Nations Office for Outer Space Affairs and the ICA. At the 13th General Assembly of ICA held in A Coruña, Spain, it was agreed to establish a working group on CEWCM which continues its activities to this day.

Between 2008-2011, CEWCM organised many activities all over the world, which were regularly reported on in the *ICA News*. However, little is known about a network of other well established events with a focus on Early Warning and Crisis Management (EW&CM). Here are just a few examples:

- Biennial Cartography and GIS conferences in Bulgaria (Borovets, Nessebar and planned for Albena) with European Union seminars on EW&CM with participation of cartographers from all over the world
- Annual GeoSiberia conferences in Novosibirsk, Russia, with regular seminars and workshops devoted to EW&CM
- Biennial AutoCarto conferences in USA (Shepherdstown WV, Orlando FL), featuring workshops on EW&CM
- Special EW&CM events in Czech Republic (Brno, Prague, Karlovy Vary)
- Special conferences and seminars covering EW&CM themes in China (Wuhan, Beijing, Fuzhou) and other Asian countries (Indonesia, Malaysia, India)

Some very special events included:

- January 2009 – a Joint Symposium of CEWCM with the JBGIS Gi4DM *Cartography and Geoinformatics for Early Warning and Emergency Management* in Prague, Czech Republic, organized as a part of activities associated with the Czech Presidency of European Commission (*ICA News* No 52, 2009, p 14)

Professor Milan Konečný, Past President of ICA answering questions after his keynote address at GeoSiberia 2009, Novosibirsk, Russia | Photograph courtesy of Milan Konečný



- May 2009 – the China-EU Early Warning and Emergency Management Seminar entitled *Challenges, Best Practices, Perspectives*; the CEWCM was represented by its Chair, Professor Milan Konečný, while the Chinese partner by the National Chinese School for Public Administration, now China Academy of Governance
 - June 2009 – as a part of the AGILE 2009 conference, a workshop *GI@earlywarning* was organized by Martin Breunig, University of Osnabrück and Wolfgang Reinhardt, University of the Bundeswehr, Munich, Germany; CEWCM Chair Professor Konečný gave a presentation entitled *Cartography and Geoinformatics in Early Warning and Emergency Management: How to enhance the role of individuals?*
 - November 2009 – two sessions in the International Cartographic Conference program in Santiago, Chile were organized by CEWCM
- In addition, CEWCM initiated and participated in many publications.

A proposal for a new ICA Commission in Early Warning and Crisis Management will be tabled at the General Assembly of ICA in Paris. The proposed Co-Chairs are Professor Milan Konečný (Czech Republic) and Dr Christopher Lienert (Switzerland). If approved, the Commission plans to continue the work of the current CEWCM, participate in the activities of JBGIS and collaborate with other similar interest groups from around the world.

Milan Konečný | Chair | ICA Working Group on Cartography on Early Warning and Crisis Management | Czech Republic ●

Census Cartography

cartography.tuwien.ac.at/ica/workinggroups/census/

Symposium in Orlando, Florida, USA

In October of 2010, the Census Cartography Working Group took advantage of a beautiful Orlando, Florida location to bring together statistical agency staff and census data users to share data collection and dissemination techniques and challenges. The mission of the Census Cartography Working Group is to share and exchange information on mapping methodologies that support censuses and statistical surveys, encourage the use of new technologies and approaches supporting census mapping, and serve as a forum for census cartographers and organizations that promote census mapping activities. In support of this mission, the Census Cartography Working Group held a Symposium titled *Cartographic Advances in Census Data Collection and Dissemination* in conjunction with AutoCarto and ASPRS 2010. This

successful symposium included topics on census mapping techniques to support data collection and thematic and reference mapping to support data dissemination.

Timothy Trainor | Chair | ICA Working Group on Census Cartography | USA ●

Open Data Access and Intellectual Property Rights

sites.google.com/site/odaipr/

Working Group Activities 2007-2011

The ICA Working Group on Open Data Access and Intellectual Property Rights (ODAIPR) was established in Moscow, Russia, in August 2007 at the 23rd International Cartographic Conference.

Since its establishment, the ODAIPR has made progress in several ways, including the following:

- The ODAIPR has grown from three members to about ten members from different countries around the world and with different types of expertise
- The ODAIPR established a web site with the goal of increasing both visibility among cartographers and participation from professionals involved in the geospatial and cartographic fields
- The ODAIPR established in 2009 a survey that was circulated mainly among three main geospatial organizations – Open Geospatial Consortium, International Cartographic Association, and Map Librarians worldwide mailing lists – as well as to other geospatial professionals
- The ODAIPR completed the analysis of the survey results in 2010 and plans to submit in 2011 the article *Open Data Access and Intellectual Property Rights for Cartography: Survey Results* for publication to the *Cartography and Geographic Information Science* journal. The survey identified priority areas where the International Cartographic Association should focus its energy, while avoiding replicating activities already ongoing in other organizations. The survey also identified experts in the field of geospatial and cartographic access and intellectual property rights who are willing to share their knowledge and/or participate in discussions about ODAIPR
- The ODAIPR plans to distribute a follow-up survey in late 2011 in order to assess the evolution of the products and services needed in the ODAIPR field for cartographers. We encourage all interested professionals to participate in the survey, which will be located at the ODAIPR web site.
- The ODAIPR has organized a workshop on

ODAIPR on 1 July 2011, in Paris at the ICA Conference. The full-day ODAIPR Workshop will take place at the Bibliothèque National de France, Richelieu, Salle des Commissions and will include the following speakers, among others: Professor Pang Xiao Ping (China), Dr Raisa B. Yakovleva (Russia), Director Michael Bergman (Germany), Professor D.R. Fraser Taylor (Canada), Dr Clare Hadley (United Kingdom), Dr Antony Cooper (South Africa), Ed Parsons (Google), and Lucia Lovison-Golob (USA). The goal of the workshop is to present issues relative to ODAIPR for geospatial professionals and cartographers in each speaker country, including the latest developments in policies, procedures, and activities of organizations such as INSPIRE, as well as to discuss possible way to foster best practices among geospatial professionals and cartographers and to identify activities promoting capacity building among different countries and organizations.

- Members of the ODAIPR have been active in conducting research in the ODAIPR field and in publishing articles and making presentations. To learn more about the activity of each ODAIPR member, please contact us directly, or please attend the workshop in Paris on 1 July 2011.

Workshop in Paris, France

The ODAIPR Working Group is active in recruiting expert participants from different countries and disciplines in the geospatial and cartographic fields and in assessing the ODAIPR community needs and prioritizing its activities. We are very proud of the ODAIPR Workshop that we have organized in July 1, 2011, in Paris where researchers and experts from different research centers, universities, and companies will participate and share their experiences. The workshop is open to all registrants to the 25th International Cartographic Conference, although we would appreciate receiving in advance an acknowledgement to lovison@afriterra.org. We also encourage people to participate to the ODAIPR Survey, which will be accessible at sites.google.com/site/odaipr/.

Lucia Lovison-Golob | Chair | ICA Working Group on Open Data Access and Intellectual Property Rights | USA ●

Open Source Geospatial Technologies

cartography.tuwien.ac.at/ica/workinggroups/census/

Working Group Activities 2007-2011

The ICA Working Group on Open Source Geospatial Technologies was established

reports ica working groups cont...

in December 2007 with the aim to promote multi-national holistic research in free and open source geospatial technologies in order to make accessible the latest developments in open source tools to the wider cartographic community. The WG attempts to enhance the usage of free and open source geospatial tools among the cartographic community worldwide, especially for education. It is very important to have open source GIS and standards based solutions (OGC, ISO TC 211) to achieve widespread application of geotools at grassroots level especially in developing countries. Open source GIS provides accessibility, low cost solutions and lowers the entry barriers for the use of geospatial technologies for all. The working group works to promote the usage of professional and technical standards (ISO TC 211, OGC) for the development of free and open source geospatial software. Currently over 200 people from various countries are interested in the WG activities.

Key achievements include:

- **Established the highly successful Open Source GIS UK Conference Series:** The OSGIS conference series has a strong international focus and takes a holistic approach in bringing together speakers and delegates from government, academia, industry and open source communities. High profile speakers from all over the world are invited for giving presentations and running hands-on workshops for the conference series. The key aims of OSGIS conference series are:
 1. to hear presentations from government, academic, industry and policy makers on

open source, open standards and open data geospatial technologies

2. to provide platform to network and develop ideas for future collaborative work in open source GIS
 3. to understand current developments in open source GIS
 4. to act as a focus for open source, open standards, open data GIS research
- For more details, please visit www.opensourcegis.org.uk.

- **Involved in establishing Erasmus IP GIS OPENSOURCE Summer School:** The Summer School in Open Source GIS is organized jointly by the Geographical Information Systems and Remote Sensing Centre (SIGTE) of the University of Girona (Spain), the Lahti Center of Aalto University School of Science and Technology of the Aalto University (Finland), the Center for Geospatial Science (CGS) of the University of Nottingham (UK) and the Institute for Research on Urban Sciences and Techniques (IRSTV) from the Ecole Centrale de Nantes (France). For more details, please visit www.sigte.udg.edu/summerschool2010.
- **Involved in International Open source Geospatial Research Symposium (OGRS 2009),** Ecole Centrale de Nantes, Nantes, France
- **Involved in FOSS4G 2009 Academic Track:** In addition to the OSGeo Foundation, the ICA Working Group on Open Source Geospatial Technologies is proud to support and help in the organisation of the Academic track for FOSS4G 2009. The academic track acted as an inventory of current research topics, but

the major goal is to promote cooperative research between OSGeo developers and the academia. The academic track is the right forum to highlight the most important research challenges and trends in the domain, and let them become the basis for an informal OSGeo research agenda. It will foster interdisciplinary discussions in all aspects of the geospatial and free and open source domains. It was organized in a way to promote networking between the participants, to initiate and favour discussions regarding cutting-edge technologies in the field, to exchange research ideas and to promote international collaboration.

- **Open Source GIS Walk-in Workshops @ICC 2011:** The ICA Working Group on Open Source Geospatial Technologies will be running three day Open Source GIS walk-in sessions (13:30 – 15:30) at ICC 2011 on 5th, 6th and 7th July. This event is organized by Dr Barend Köbben (ITC Netherlands). More details at kartoweb.itc.nl/kobben/ICA-OSGEO-workshop.
- **Establishment of Open Source Geospatial Lab:** The establishment of the Open Source Geospatial Lab under MoU with the Open Source Geospatial Foundation is a key initiative for supporting the development of open-source geospatial software technologies, training and expertise in the UK. More details at www.osgeo.org/node/1071.

Suchith Anand | Chair | ICA Working Group on Open Source Geospatial Technologies | UK ●

reports cartographic meetings and events

Children's Map Contest in New Zealand

In July 2010, the New Zealand Cartographic Society (NZCS) gave me a short nine months to organise New Zealand's contribution to the International Barbara Petchenik Children's World Map Award. Unfortunately for New Zealand, the timing of this is not very practical for our normal school year, which finishes in early December and the following year doesn't start back until the first or second week into February. In practical terms, this left 4 months for organising the competition, prizes, publicity, etc and a short 2 months to get participation by school children, and even then we might not meet the deadline of 1 April exactly.

This being only the third National Barbara Petchenik Children's map competition run here in New Zealand and the first since 2007, there

The eight awardees at the National Children's Map Competition Award ceremony at Kauri Park Primary School in Auckland, New Zealand | *Photography Lesley Murphy*





Vryan Straight (centre) and Eli Moore (right) from Makara Model School in Wellington, New Zealand, winners of the National Children's Map Competition; with Geoff Aitken, President of the New Zealand Cartographic Society (left) | Photography Michelle Cooper

was a lot of ground work to do setting up sponsors, posters, mail-outs, websites, certificates and prizes for both schools and the children themselves.

A few short weeks ago, all this time and organisation culminated in two presentations at schools, local to our NZCS committee members - one in Auckland and the other in Wellington. Kauri Park School in Birkdale, Auckland were the hosts of our NZCS Vice President, Igor Drecki and our Treasurer, Lesley Murphy who also represented one of our sponsors, the Geospatial Intelligence Organisation of the New Zealand Defence Force. Local press came along to record the event, and printed a fine article in the local newspaper the following week.

Igor and Lesley presented seven 6 year old children from Kauri Park School with a first place prize in the 5-8 years old age category: Ashton Coromandel, Luka Misur, Breanna Keating, Mya Alesana, Yana Morales, Ella Sutton and Kira wan Niekerk, for their joint effort in creating a world map called *We Are The Children of the Future*, which has been forwarded onto the ICA competition. They also presented the second place prize in the 5-8 age category to 8 year old Brandon Longman for creating his map called *We Are All Connected*.

The second presentation was held at a small rural school just out of Wellington, Makara Model School, who were the host of our NZCS President, Geoff Aitken and a committee member and national competition organiser Michelle Cooper. Makara Model School only has 20 students, so this was a big deal to them. They welcomed us with a traditional Maori welcome – a Powhiri – and sang songs for us. Then Geoff did a fantastic interactive

“lesson” about maps and mapping involving all the children, across their varied ages (5-12 years old). We presented 8 year old Vryan Straight with a prize for her effort in creating a map called *The World News*, which placed third in the 5-8 age category, and was also sent onto the ICA competition. We also awarded 10 year old Eli Moore for his third placed (equal) effort in the 9-12 age category, called *We Are All Connected Somehow*.

New Zealand children contributed another 4 entries to the ICA competition, two from each of the 9-12 age category and the 13-15 age category. Among the entries forwarded to the ICA are *The World At My Fingertips - Remains A Puzzle* by 15 year old Hayden Livingstone from Tauranga Boys College, who won first place in the 13-15 age category in the National competition and a map called *Globe Trotting Is Getting Easier* by 12 year old Aimee Elliott from Aquinas College in Tauranga, which won first place in the 9-12 age category.

We are very grateful to sponsors and organizers of the National Competition for a range of quality prizes and various resources they provided: Critchlow Ltd, Map World, Geographx (NZ) Ltd, Land Information New Zealand, Terralink International, Astra Print, New Zealand Defence Force and The University of Auckland.

In the end, we received a grand total of 142 maps from 9 different schools (out of 2,500 or so schools) throughout New Zealand. This just sets the goal to beat for the next time this competition runs in 2013.

Michelle Cooper | New Zealand Cartographic Society
| New Zealand ●

Children's Map Contest in Bulgaria

On 21 March 2011, an award ceremony and exhibition of Bulgarian children maps was held in the National Museum *Earth and Man* in Sofia, Bulgaria. For the second time, the competition was organized by the National Institute of Geophysics, Geodesy and Geography of the Bulgarian Academy of Sciences (NIGGG-BAS) under the leadership of Prof Dr Rumiana Vateva, Head of Department of Geography, NIGGG-BAS. The Association of Bulgarian Schools Abroad helped a lot with promotion and propagation of the competition, especially its President Prof Dr Boian Koulov, Research Director of the NIGGG-BAS.

The co-organizer of the competition was the University of Architecture, Civil Engineering and Geodesy (UACEG) with assistance from Prof Peter Penev, Vice Rector of UACEG and Prof Temenoujka Bandrova, Co-Chair of the ICA Commission on Cartography and Children.

The sponsorship and support was provided by the National Geographic KIDS Bulgaria, DataMap Europe Ltd, and ESRI Bulgaria. Media support was provided traditionally by the National DARIK Radio. The contest was also announced on the following website www.abgschool.org.

123 drawings of Bulgarian children between 6 and 15 years old from 13 places in Bulgaria as well as from London, Chicago, Valencia and Xativa participated in the competition, some for the first time, like the Bulgarian schools in Chicago, Valencia and Xativa. As in previous years, many art schools participated in the

> 20

The 7th Bulgarian Children's Map Competition exhibition and award ceremony in Sofia, Bulgaria; (from left) Temenoujka Bandrova, Milan Konečný, Rumiana Vateva, awarded children, Boian Koulov and Peter Penev | Photography National Geographic KIDS Bulgaria



competition. All drawings are of very high standard and merge cartography and art very well.

The ICA Past President Prof Milan Konečný was invited for the award ceremony where he greeted and congratulated the winners. In his address he appreciated the role of Bulgarian cartographers and their inspiration and ideas that enrich the Barbara Petchenik Contest at the global level.

All attending children were invited to visit the *Earth and Man* National Museum expositions.

The National Geographic KIDS Bulgaria will published an article about the 7th Bulgarian Competition within the Children's World Map Contest *Living in a Globalized World* in its May 2011 edition.

Temenoujka Bandrova | University of Architecture, Civil Engineering and Geodesy | Bulgaria ●

GeoSiberia 2011

The 7th International Exhibition and Scientific Congress GeoSiberia 2011 was held in Novosibirsk, Russian Federation, 27-29 April 2011. The congress covered 6 main topics in 19 technical sessions with more than 610 presentations, and attracted more than 1500 participants.

One of the key activities was a 2-day International Workshop on *Early Warning and Crisis, Disaster and Emergency Management* organised by the Siberian State Academy of Geodesy (SSGA) in Novosibirsk, ICA Working Group on Cartography on Early Warning and Crisis Management (CEWCM), and International Society on Digital Earth (ISDE). The organisers prepared a rich program attracting

Supporting organisations of GeoSiberia 2011 Conference in Novosibirsk, Russia | *Photograph courtesy of Milan Konečný*



Participants of the *Early Warning and Crises, Disaster and Emergency Management* Workshop organised by ICA, SSGA and ISDE during GeoSiberia 2011, Novosibirsk, Russia | *Photograph courtesy of Milan Konečný*

more than 100 participants from 15 countries.

The theme of the event proved to be very popular and "magnetic" as many newcomers and people using maps and GIS in their daily work, such as builders and decision makers took part in the workshop. Mr GM Nigmatov from the Ministry of Civil Defence, Emergencies and Elimination of Consequences of Natural Disaster of Russian Federation delivered a keynote address *Monitoring of Individual Seismic Risk*. Prof Milan Konečný, Chair of CEWCM, talked about Early Warning and Crisis Management Research Agenda.

The main objective of the workshop was to showcase the interaction of cartography, surveying and geoinformation technology in early warning and crisis management situations. As an example, the integration of remote sensing data from small and micro satellites with the Glonass/GPS/Galileo data for exact location of crises situations and real assessment of damages, the 3-D models of potentially dangerous objects and disaster processes, and laser scanning was demonstrated. Also the potential of European Union directives such as the Global Monitoring for Environment and Security and INSPIRE (Infrastructure for Spatial Information in Europe) give new possibilities for cooperative decision making and disaster mitigation. Special attention was given to municipality security, security of food, monitoring of deformations of constructions (e.g. bridges), as well as monitoring of natural objects. These topics were part of 24 presentations on the first day.

The second day was devoted to the creation of SDI in Russia and potentials of its usage in early warning and crises management situation. The most interesting papers dealt with modeling of possible threats (floods, fires, land slides), as well as ecological impacts on inhabitants. 19 papers were presented together with 8 posters.

A mixture of world leading scientists and representatives of ISPRS, FIG and other organizations was greatly appreciated. Prof

Gottfried Konecny from Germany and Prof Ammatzia Peled from Israel delivered excellent and current presentations. Prof Shunji Murai from Japan contributed another interesting paper concerning the first Japan experiences after the tragic earthquake and tsunami disaster (including update on the nuclear power station in Fukushima). His and other papers were included in the workshop proceedings prepared by Svetlana Dyshlyuk and Argina Novitskaya.

The event confirmed that the ICA and sister organizations took the right approach in devoting more attention to early warning and crisis management processes which influence lives of millions of people over the world. Cartographic and geoinformation methods have still a big potential to be applied even further to improve the quality of decision making and response in such critical situations. Novosibirsk event also confirmed the leading role of the ICA's CEWCM in organising a network of important events related to early warning and crisis management and highlighting the influence of cartography in disaster situations in many parts of the world.

Milan Konečný | Past President of ICA | Czech Republic ●

Toponymy and ICA

Toponymy can be briefly defined as the science of place and geographical names, and is in a sense a sub-discipline of onomastics, the science of proper names in general. It lies at the intersection of several acknowledged disciplines, notably linguistics, geography and cartography, but is also recognised in the historical, cultural and juridical research.

The United Nations (UN) recognised the significance of geographical names standardization as early as 1960, when it established an expert group in this field – the United Nations Group of Experts on Geographical Names

(UNEGN) – one of just six active permanent expert groups within UN. Many countries have also recognised the subject's significance by establishing national or regional boards on geographical names. Within the International Council of Onomastic Sciences (ICOS), toponymy is also attracting increasing interest among researchers and practitioners.

It is certainly an advantage to have UNEG and ICOS which facilitate interdisciplinary discussions and work in the toponymy field. But it would also be beneficial to establish toponymy fora within the International Geographical Union (IGU), as well as the International Cartographic Association (ICA) and encourage engagement of geographers and cartographers in this field.

For cartographers the role and function of place names on maps will certainly be of interest. Equally important would be to raise the awareness of the meaning of place names and to further disseminate scientific methods of place names representation on maps.

At the occasion of the 26th UNEG Session in Vienna, 2-6 May 2011, a group of cartographers and geographers including Helen Kerfoot, UNEG Chair, and Georg Gartner, Vice President of ICA, met to discuss the establishment of a joint IGU/ICA Working Group on Toponymy.

All interested in the idea of forming a joint IGU/ICA toponymy forum are requested to express their interest and support by emailing Peter Jordan at peter.jordan@oeaw.ac.at. The upcoming ICA's International Cartographic Conference in Paris, as well as the IGU Regional Geographic Conference in Santiago, Chile, 14-18 November 2011, will offer good opportunities to meet and develop this initiative further. The first meeting will be organised at the International Cartographic Conference in Paris by Peter Jordan, who coordinates the input into this project. Venue and date will be forwarded to all who expressed their interest and support.

Peter Jordan | University of Vienna | Austria ●

Multilingual road signpost nearby Tarvisio, Italy |
Photography Peter Jordan



Judy Olson (centre) surrounded by some of her graduate advisees: (from left) Michael Peterson, Amy Lobben, Cindy Brewer and Ann Goulette | Photograph courtesy of Michael Peterson

Judy Olson Retires

Former ICA Vice President Judy M Olson and former chair of the US National Committee for the ICA, has retired as Professor from Michigan State University. Educated at the University of Wisconsin-Madison under Arthur Robinson, Judy held positions at the University of Georgia, Boston University and Michigan State University where she served as chair between 1989-1994. She served as editor of *The American Cartographer* (1977-1982), and President of the Association of American Geographers (1996).

Her work for the ICA extends back to 1980 when she was US Deputy Delegate to the ICA meeting in Tokyo. Following this, she served as chair of the US National Committee for the ICA from 1985-1988 and again from 1999-2003. She was Chair of the ICA Commission on Map and Spatial Data Use from 1987-1991, and a corresponding member from 1992-1995. Appointed as Vice President of the ICA beginning in 1992 to complete the term of Barbara B Petchenik, she was elected to serve another four-year term by the General Assembly in 1995.

Judy taught courses in thematic cartography, quantitative methods, map production and map design. Her main interests continue to be in quantitative mapping and the psychology of maps. Her publications have dealt with map complexity, two-variable maps, the use of color in mapping, designing maps for people with defective color vision, map projections, and multimedia in geography. Her recent work has examined the cartographic use of magnetic resonance imaging of the brain.

Judy instilled a commitment in her students in service and teaching and care about work and writing. Judy's graduate advisees are: Michael Peterson, Robert Kerrigan, Ronald Eastman, Denis White, Cynthia Brewer,

Gustave Rylander, Ann Goulette, Bonnie Jones, Kathryn (Ford) Thorne, Gebeyehu Mulugeta, Dawn Carlson, Jennifer (Ware) Blanchard, Amy Lobben, Alison (Philpotts) Feeney, Lisa Dygert, and Yali Li.

Michael Peterson | University of Nebraska, Omaha | USA ●

Brazil ICA 2015

The Sociedade Brasileira de Cartografia, Geodésia, Fotogrametria e Sensoriamento Remoto (SBC) (Brazilian Society of Cartography, Geodesy, Photogrammetry and Remote Sensing) has been a long-time member of the ICA. The Society is one of the bidders for the 16th General Assembly of the ICA and 27th International Cartographic Conference. The Society's bid for the conference proposes that it is to be held in Rio de Janeiro, Brazil between 21-26 June 2015.

They have worked with the Rio Convention & Visitors Bureau and the Prefeitura da Cidade do Rio de Janeiro (City of Rio de Janeiro), Secretaria Especial de Turismo do Município do Rio de Janeiro, TurisRio – Companhia de Turismo do Estado do Rio de Janeiro (The State of Rio de Janeiro Tourism Authority), and the Brazilian Tourism Board in preparing their bid. The Society will formally present their proposal at the 15th General Assembly of the ICA in Paris on Sunday, 3 July 2011.

The Society runs their Brazilian conference in different locations in Brazil. The conferences attract many diverse and interesting contributions. Members of the Sociedade Brasileira de Cartografia, Geodésia, Fotogrametria e Sensoriamento Remoto will be at the Paris Conference this July supporting the bid and answering any questions about the Society and Brazil in general.

William Cartwright | President of ICA | Australia ●

Aerial view of Rio de Janeiro, Brazil | Photography Riotur



obituaries

Ingrid Kretschmer

22.02.1939 – 22.01.2011



The long-time president of the Austrian Cartographic Commission, academic teacher of generations of cartography students at the University of Vienna and outstanding cartographic

researcher Ingrid Kretschmer has passed away.

Ingrid Kretschmer was born in Linz, Austria, on 22 February 1939. Her academic career began in 1966 as university assistant at the Institute of Geography, University of Vienna under supervision of Erik Arnberger. She worked as university lecturer at the Institute of Geography and Regional Research of the University of Vienna till her retirement in 2004.

Ingrid Kretschmer dedicated her whole life to cartography both at university and scientific associations. She was a constant contributor to the Cartography and Geoinformation teaching during the long vacancies of the professorship of geography and cartography in the Institute. Besides the administrative duties, Ingrid Kretschmer dedicated herself to education, in which the history of cartography, thematic cartography and school cartography were her specialisations. Many graduates remember the exactness and rigorous attention to the correct usage of professional terminology, which was characteristic of Prof Kretschmer.

The scientific work of Prof Kretschmer consists of 282 publications about fundamental issues and the history of cartography, as well as collaborations in editorial work. The most important among the numerous publications are *Wesen und Aufgaben der Kartographie – Topographische Karten (Character and Duties of Cartography – Topographic Maps)* in the encyclopedia *Die Kartographie und ihre Randgebiete (Cartography and its Peripheral Areas)* together with Erik Arnberger (1975), *Lexikon zur Geschichte der Kartographie (Lexicon of the History of Cartography)* together with Johannes Dörflinger and Franz Wawrik (1986) and *Atlantes Austriaci* in cooperation with Johannes Dörflinger and Helga Hühnel (1995). From 1977 to 1997 she was editor of the *Geographischer Jahresbericht aus Österreich (Annual Geographic Report of Austria)* and from 1996 to 2004 she was co-editor of *Wiener Schriften zur Geographie und Kartographie (Viennese Writings in Geography and Cartography)*, founded by Ferdinand Mayer.

Besides the academic research and education, the Austrian Geographic Association and the Austrian Cartographic Commission were

Prof Kretschmer's fields of activity. She was active within the Austrian Cartographic Commission from the beginning of her academic career. She worked on numerous map exhibitions at international conferences and on the organisation of cartographic historical conferences. She was member of the editorial board and corresponding member of the editorial staff of *Kartographische Nachrichten (Cartographic News)*. For more than 25 years she worked on *Bibliographia Cartographica* and was member of the Imago Mundi Board of Directors since 1993.

Between 1997-2004 she was president of the Austrian Geographic Association and worked tirelessly in preparing the 150th anniversary celebration of the association in 2006 including the edition of the celebration bulletin. Due to her excellent achievements for the association, she was appointed honorary president of the association in 2006. Already in 1995 she became honorary member of the German Cartographic Association, from which she received its highest award, the Mercator Medal, on 13 October 2004.

Ingrid Kretschmer died in Linz on 22 January 2011, one month before her 72nd birthday. The funeral took place at Meidling cemetery in Vienna. Austrian, German and international cartography lost an adorable person, who dedicated herself and her whole life to cartography. We will miss her wealth of knowledge and energy. The Austrian Cartographic Commission lost one of its outstanding members.

Georg Gartner | Vice President of ICA | Austria ●

Pinhas Yoeli

01.07.1920 – 04.04.2011



The International Cartographic Association is saddened to hear of the passing of Professor Pinhas Yoeli. In 2005 Prof Yoeli received an Honorary Fellowship from the International Cartographic Association.

Prof Yoeli was born on 1 July 1920 in Bayreuth, Germany. In 1936 he immigrated to Israel (then British mandatory Palestine) and, in 1938 he volunteered into the Israeli pre-state army, the Hagana. He later headed the Topography Department. In 1948, he established and commanded the Cartography Department of the Israeli Defense Forces (IDF) with the rank of Lieutenant Colonel. Later he was also appointed deputy director of the Israel Survey Department.

From 1952 to 1956 he studied at the faculty of Geodesy and Cartography at ETH in Zürich, Switzerland, where he received his degree (Dip. Ing. ETH). In 1957 he was released from the IDF and started teaching at the Israeli Technological Institute (Teknion) in Haifa, Israel. He quickly attained the post of Associate Professor and was appointed the head of the Department of Geodesy and Cartography in the Faculty of Civil Engineering.

In 1972 he was appointed Full Professor in the Faculty of Geography at Tel Aviv University. He worked until his retirement in 1991 when he became Professor Emeritus till his death on 4 April 2011. From 1988 to 1991 he was chairman of the Israeli Cartographic Association.

Over the years, Professor Yoeli was invited for Sabbaticals to many academic institutes and universities throughout the world, including Switzerland (teaching and researching at the ETH Zürich and the Zürich University), Australia (at RMIT), England and USA. In addition, he worked as a consultant to well known cartographic firms in Switzerland, Sweden and Scotland.

He published many papers in all major international cartographic journals. His book, *Cartographic Drawing With Computers*, the first in its kind, was published by the University of Nottingham, UK in 1982.

Professor Yoeli's contributions to Cartography and GI Science are respected by the international academic and professional Cartography and GI Science communities. The awards he received in Israel and internationally for his research reflects the esteem in which he was held globally.

The International Cartographic Association extends its sincere sympathy to Professor Yoeli's widow, Agnes, his family, friends and colleagues.

William Cartwright | President of ICA | Australia ●

Text modified by Prof William Cartwright, President of ICA, from the original version provided by Prof Yoeli's family.

calendar

june 2011

26-01 July: XII National Cartography

Week | Buenos Aires | Argentina | www.centroargentinodecartografia.org/xiisnc.html

30-01 July: Joint ICA Symposium | *Maps for the Future: Children, Education and Internet* | Orleans | France | lazarus.elte.hu/jointsymposium2011/

30-02 July: ICA Commission on Generalisation and Multiple Representations Workshop and Tutorial | Paris | France | aci.ign.fr/

july 2011

01: ICA Commission on Theoretical Cartography Seminar | *Theories and Conceptions* | Paris | France | rcswww.urz.tu-dresden.de/~wolodt/tc-com/

01: ICA Working Group on Open Data Access and Intellectual Property Rights Workshop | Paris | France | sites.google.com/site/odaipr/activities/

01-02: ICA Commission on National and Regional Atlases Workshop | Paris | France | www.univie.ac.at/cnra/

01-02: ICA Commission on Use and User Issues Workshop | *User Issues in Public Transport Geoinformation* | Paris | France | www.univie.ac.at/icacomuse/

02: ICA Commission on Digital Technologies in Cartographic Heritage Tutorial | *3D Digitization in Cartographic Heritage* | Paris | France | xeeee.web.auth.gr/ICA-Heritage/Commission/1st_Tutorial/

02: ICA Commission on the History of Cartography Workshop | Paris | France | www.ichistcarto.org/index.php?option=com_content&view=article&id=36&Itemid=43

02: ICA Commission on Management and Economics of Map Production Workshop | *Current Issues in Map Production and Management* | Paris | France | www.icamapproduction.org/

02: ICA Commission on Ubiquitous Mapping Workshop | Paris | France | [ubimap.net/ubimap2011/](http://ubimap2011.net/ubimap2011/)

02: ICA Working Group on Art and Cartography and ICA Commission on Maps and Society Joint Workshop | *Mapping Processes and Practices: Arts, Maps and Society* | Paris | France | artcarto.wordpress.com/2011/05/09/workshop-paris-july-2nd-2011-program/

02: Esri ICA Workshop | *Designing and Creating Web Maps with ArcGIS* | Paris | France | mappingcenter.esri.com/index.cfm?fa=resources.esriWorkshop/

03-08: 25th International Cartographic Conference | *Enlightened view on Cartography and GIS* | Paris | France | www.icc2011.fr/

15-17: OpenStreetMap Conference | *1st State of the Map Europe* | Vienna | Austria | www.sotm-eu.org/

august

10-12: 4th ICA Workshop on Geospatial Analysis and Modeling | *Our Complex World: Representation, Analysis and Modeling* | Burnaby, British Columbia | Canada | www.sfu.ca/dragicevic/workshops2011/

21-24: XXV Brazilian Cartographic Congress | Curitiba | Brazil

september

05-08: CoastGIS 2011 | *Marine and Coastal Spatial Planning* | Oostende | Belgium | www.coastgis.info/

november 2011

21-23: LBS 2011 : 8th International Symposium on Location-Based Services | Vienna | Austria | lbs2011.org/

ica affiliate members

Organisations, institutions or companies wishing to support the mission and activities of the International Cartographic Association can become affiliate members. The following organisations support the ICA:

Bundesamt für Kartographie und Geodäsie | Germany | www.bkg.bund.de
Attn: Dr Andreas Illert | andreas.illert@bkg.bund.de

Centro Argentino de Cartografía | Argentina | www.centroargentinodecartografia.org
Attn: Prof Carmen Alicia Rey, President | cac@centroargentinodecartografia.org

Dubai Municipality | United Arab Emirates | www.dm.gov.ae

East View Cartographic | United States of America | www.cartographic.com
Attn: Matthew Tanaka | matthew.tanaka@cartographic.com

Eko-Graf Cartographic Publishing House | Poland | www.ekograf.pl

ESRI | United States of America | www.esri.com
Attn: Mark Cygan | mcygan@esri.com

Geospatial Information Authority of Japan | Japan | www.gsi.go.jp
Attn: Miho Takagi, Chief of Environmental Geoinformation Section | miho@gsi.go.jp

Indian National Cartographic Association (INCA) | India | www.incaindia.org
Attn: Shri KC Rout, Secretary General | routkc@yahoo.com

Institut Cartografic de Catalunya | Spain | www.icc.es
Attn: Jaume Miranda i Canals, Director | miranda@icc.es

Institut Géographique National | France | www.ign.fr
Attn: Mr Jean-Philippe Lagrange, Director | jean-philippe.lagrange@ign.fr

Instituto Geográfico Nacional España | Spain | www.ign.es
Attn: Sebastian Mas Mayoral | smas@mfom.es

Intergraph | United States of America | www.intergraph.com
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International Institute for Geo-Information Science and Earth Observation (ITC) | The Netherlands | www.itc.nl
Attn: Corné van Elzakker | elzakker@itc.nl

Land Information New Zealand | New Zealand | www.linz.govt.nz
Attn: Chris Kinzett | ckinzett@linz.govt.nz

Moscow State University of Geodesy and Cartography | Russia | www.miigaik.ru
Attn: Professor Vasilij A Malinnikov, Rector | lgm@miigaik.ru

National Hydrographic Office | India | www.hydrobarat.nic.in
Attn: BR Rao, Chief Hydrographer | incho@dataone.in

National Land Survey of Finland | Finland | www.nls.fi
Attn: Heli Ursin | heli.ursin@nls.fi

Navionics Hydrographer | Italy | www.navionics.com
Attn: Francesco Pezzana, Managing Director | pezzana@navionics.it

Navteq | The Netherlands | www.navteq.com
Attn: Dr Kees Wevers | kees.wevers@navteq.com

Ordnance Survey | United Kingdom | www.ordnancesurvey.co.uk
Attn: Bob Lilley | blilley@ordnancesurvey.co.uk

Polskie Przedsiębiorstwo Wydawnictw Kartograficznych (PPWK) | Poland | www.ppwk.pl
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Rectas | Nigeria | www.rectas.org
Attn: Dr Olajide Kufoniyi, Executive Director | rectas@oauife.edu.ng or kufoniyi@skannet.com.ng

Regional Centre for Mapping of Resources for Development (RCMRD) | Kenya | www.rcmrd.org
Attn: Dr Hussein O Farah, Director General | rcmrd@rcmrd.org

Star Informatic Publishing Solutions | Belgium | www.star.be
Attn: Paul Duré, Head | paul.dure@star.be

Union of Chambers of Turkish Engineers and Architects, Chamber of Surveying and Cadastre Engineers (UCTEA-CSCE) | Turkey | www.hkmo.org.tr
Attn: Prof Dr Necla Ulugtekin, Head of the Commission on Cartography and Geospatial Informatics | hkmo@hkmo.org.tr

United States Geological Survey | United States of America | cegis.usgs.gov
Attn: Lynn Usery | usery@usgs.gov

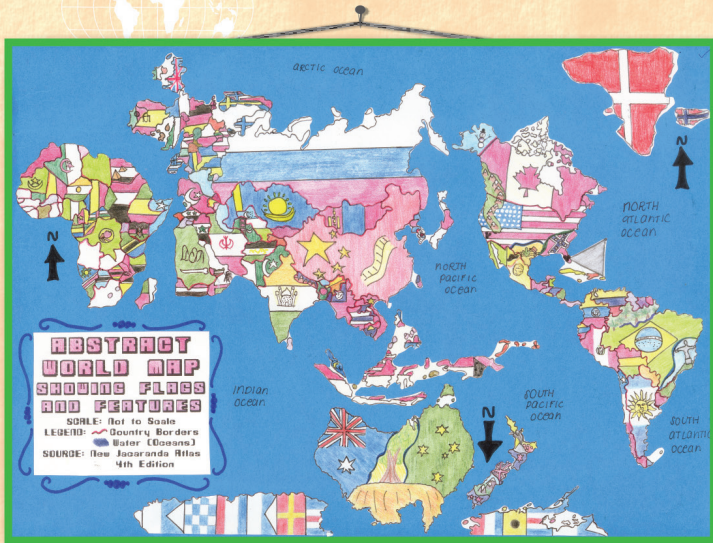
University of Architecture, Civil Engineering and Geodesy, Faculty of Geodesy | Bulgaria | www.uacg.bg
Attn: Dr Temenoujka Bandrova | bandrova_fgs@uacg.bg

University of Balamand | Lebanon | www.balamand.edu.lb/english/GIS.asp
Attn: Prof Oussama Jadayel, GIS Center Academic Director | info@balamand.edu.lb

ICA welcomes new affiliate members; for more information, please contact:

David Fairbairn | Secretary General & Treasurer | ICA | dave.fairbairn@newcastle.ac.uk

children's map gallery 2005 winners



Kathryn Hamill
| 14 | *Abstract
World Map
(showing flags
and features)* |
Bilnook College |
Australia

Julia Papp | 14 | *Solidarity* |
Tunyogmatolcs Primary School:
Kossuth Lajos | Hungary

Jonathan Limones Lopez and
Juan Jose Febrere Garcia | 15
| - | Collegi Episcopal: Lleida
| Spain

Jana Duranková
| 15 | *Wonderful
World of a
Child's Dream* |
Gymnázium: Nová
Bana | Slovakia

Benjamin Nicholls | 7 |
Children Unite! | St John's
School: Keele, Staffordshire |
United Kingdom

