



## president's report



### International Cartographic Conference 2013

The preparations for the 26th International Cartographic Conference in Dresden, Germany have been the main focus of many

people in the last several months. The Local Organizing Committee – Manfred Buchroithner, Dirk Burghardt, Nikolas Prechtel and Benjamin Schröter – are working hard on preparing the event. Secretary General Prof László Zentai and myself had the chance to get an update on the status of the preparations during a short visit to Dresden between 24-25 January 2013. We can expect a 5-day festival of Cartography and Geoinformation Science at the beautiful Conference Centre right by the River Elbe and close to the spectacular city centre of Dresden. For the first time ever the ICC 2013 will include

two plenary sessions every day, one in the morning and one in the afternoon, giving all participants the opportunity to come together before selecting one of the eight parallel session streams afterwards. Inspiring keynotes are planned for the plenary sessions, some going beyond the subjects of our discipline but eventually adding new perspectives on topics of mutual interest. Also for the first time ever, we plan to have all ICA Commission chairs on stage, highlighting the relevance and plans for their respective Commissions. Many attractive accompanying events are planned for young scientists, national mapping agencies and commercial exhibitors.

ICC 2013 will bring together cartographers and GI Science specialists from across the globe. It will be a very important forum for presenting scientific papers that illustrate recent efforts of the research community, professional papers that describe the cutting-edge cartography employed by mapping organisations, and

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## ica news past editors : part 2

### christopher board and jean-philippe grelot

#### The ICA Newsletter becomes ICA News, 1995-1999

Facing the impending retirement of Bernard Gutsell, who had (with Roger Anson) co-edited the *ICA Newsletter* continuously from 1983, the Publications Committee of ICA was asked for ideas about a successor. Roger Anson, then Chair of the ICA Publication Committee, approached me informally and I said I would be able to do the job after I retired from London School of Economics (LSE). Fraser Taylor, then ICA President, suggested that the Association would need to consider moving to a computer-based production format. On 28 March 1995 Taylor wrote to say that ICA Executive wanted me to take up the post, asking me to submit ideas for the proposed design and content of the newsletter moving to a computer-based product. Until then, *ICA Newsletter* had been type-set by the Toronto University Press, but new technology offered more benefits and opportunities.

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Christopher Board at the beginning of his appointment as Editor of *ICA News*, ICC 1995 in Barcelona, Spain | Photograph courtesy of Christopher Board



Jean-Philippe Grelot at the 50th Anniversary of the ICA event held in June 2009, Bern, Switzerland | Photography Thomas Maag

Prof Georg Gartner, President of ICA (right) and Prof Milan Konečný, former President of ICA (2003-2007) meet up at the 2013 Interexpo-GeoSiberia Congress in Novosibirsk, Russia | Image courtesy of Milan Konečný



It is quite common for our cartographic community to show a certain degree of frustration when it comes to the understanding of our discipline by the general public. We often hear the question: do we need cartography? Everything is already mapped – they say! I guess the answer depends on what one's perception of cartography is. To help us get from A to B, there is a wide plethora of automated applications, hardly cartographic, that would inform the user about the shortest path or the most convenient one. These solutions might be satisfactory for some, usually those that reduce cartography to a simple locational query, but others would still require a different answer...

In New Zealand, cartography disappeared from tertiary education as a dedicated subject in the mid 1990s. One might think (and will be excused) that New Zealand is a cartographic desert! But like flowers appearing in a desert, the NZ Cartographic Society has recently received three enquiries about cartography and cartographic training. One person working in local government wanted to learn cartography extramurally and asked for advice. Another person asked for mentoring in cartography, so she can learn more about mapping. Yet another person asked whether the Society can run a customised cartography course for a group of geospatial analysts!

Although the above examples suggest a growing interest in our discipline, the question is what we are to do with such requests. Our professional obligation is to respond to and accommodate those that show interest in our discipline and have the determination to learn cartography. In this spirit, the Society responded by offering advice, providing cartographic mentoring and organising an intensive cartography course. The Society believed this to be their obligation.

This issue of *ICA News* touches on the past, celebrates the achievements of fellow cartographers and invites us to Dresden. Thank you for all your wonderful contributions.

Igor Drecki | Editor ICA News | ICA ●

The **ica news** is published by the International Cartographic Association (ICA).

President: **Georg Gartner** | Technische Universität Wien | *Austria*

Secretary General & Treasurer: **László Zentai** | Eötvös Loránd University | *Hungary*

Editor ICA News: **Igor Drecki** | The University of Auckland | *New Zealand*

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## president's report cont...

posters on all subjects of our discipline. The programme will be complemented by various map exhibitions, pre-event and on-site meetings of the ICA Commissions and Working Groups devoted to furthering their international collaboration in advancing knowledge and techniques in cartography, and a chance to meet again with colleagues and friends. Although many of us are affected by conference funding constraints, I see participation in ICC 2013 a must for anyone who is in whatever way affiliated with cartography and GIScience. I hope to see you in Dresden!

### ICA Relations with UN

As president I represented ICA at the 2nd High-level Forum of the United Nations Global Geospatial Information Management (UN-GGIM) held in Doha, Qatar in February 2013.

The Forum brought together 350 participants from 60 member states, international organizations, the private sector, and UN bodies who affirmed the importance of UN-GGIM in providing global leadership on geospatial information management and committed to supporting ensuing projects and programmes through the Doha Declaration ([ggim.un.org/docs/meetings/2ndHighLevelForum/DohaDeclarationof6-2-13Final.pdf](http://ggim.un.org/docs/meetings/2ndHighLevelForum/DohaDeclarationof6-2-13Final.pdf)). Participation of Qatar's Prime Minister Sheikh Hamad Bin Jassim Bin Jabor Al Thani and delivery of eight Ministerial Statements further highlighted the

importance accorded to UN-GGIM aims and activities. The meeting began with the *Exchange Forum with the Geospatial Industry*, organized by the Joint Board on Geoinformation Societies, currently chaired by the ICA through our past president Prof William Cartwright. The *Exchange Forum* was aimed at facilitating a discussion platform for senior representatives of geospatial industry, government representatives and national delegates. Four sessions on determining place, monitoring place, connecting place and delivering information about place were organized and chaired by Prof Cartwright, who also delivered the Forum's opening address. I had a chance to highlight the relevance of contemporary cartography and the role of our Association in addressing these issues. ICA's strong presence was further enhanced through a presentation by ICA Vice President Tim Trainor in his capacity as National Delegate of the United States of America and a keynote by ICA Vice President Derek Clarke – National Delegate of South Africa.

### Representing ICA

I represented ICA on several occasions, including the United Nations International Expert Meeting on Crowdsourcing Mapping for Disaster Risk Management and Emergency Response, which took place in December 2012 in Vienna, Austria.

Children drawing maps at the art workshop *Maps of Undiscovered Areas of Earth* organised by the Croatian Cartographic Society on 15 April 2013 in Zagreb | *Photography Miljenko Lapaine*





# president's report cont...

In April 2013 I visited the Faculty of Geodesy of the University of Zagreb, Croatia, where the Croatian Cartographic Society organised a Symposium on Art and Cartography. Part of the programme included the award ceremony for children participation in the national edition of the Barbara Petchenik Children World Map Competition, a joint initiative of the Art School and the University's Faculty of Geodesy.

Later that month, I was invited to represent ICA at the 80th Birthday Celebration of the Siberian State Academy of Geodesy at Novosibirsk, Russia. At this very impressive event that took place in the Opera House of Novosibirsk I expressed our congratulations on behalf of the ICA. The GeoSiberia 2013 event, comprising a fair, an exhibition and a conference of growing importance, followed after the celebrations. In a presentation to the audience I highlighted the importance of modern cartography and the role of ICA. Prof Milan Konečný, Chair of the ICA Commission on Cartography in Early Warning and Crisis Management, organized a dedicated workshop on *Risk and Emergency Management Circle*.

At the Symposium on Applied Cartography organized by the German Society of Cartography in Königsplatz am Elm in May 2013, I took the opportunity to discuss with participants the importance of ICC 2013 for German cartography.

A dedicated session on *Modern Cartography* was organised at the GeoWorldForum 2013 in Rotterdam, The Netherlands – an ICA endorsed event. The objective of the session was to emphasize the relevance of contemporary cartography, to inform about modern technologies being applied in cartography, and to outline the position of cartography in the “geo domains”. The session's programme included my presentation on *Modern Cartography*, and further three presentations by Prof DR Fraser Taylor on *Cybercartography*, Prof Menno-Jan Kraak on *Geovisual Analytics* and Prof Milan Konečný on *Cartography for Risk and Disaster Management*. As a key outcome, the following observations were made:

- the relevance of cartography needs to be considered in all parts of the “geo domains”
- the importance of the visual interface (a map) between geodata and humans is a key in supporting decision makers and enabling spatial awareness - thus unleashing the power of geodata and geoinformation.

## ICA Executive Committee

In February 2013 the ICA Executive Committee (EC) met in Wuhan, China. Prior to the meeting the EC met with Mr Cheng Jun, Deputy Director General of the National Administration of Surveying, Mapping and Geoinformation, Mr Peng Zhenzhong, Vice President of the Chinese Society for Geodesy, Photogrammetry and Cartography, Prof Chen Jun, President of the ISPRS, and Prof Deqin Liu from the Chinese Academy of Surveying and Mapping at Beijing.

The EC meeting itself was slightly delayed due to the bad weather, causing planes with half of the EC members to be redirected to Changsha City. At the meeting, various reports received from Commissions and other ICA officers were discussed. Existing instruments of ICA were evaluated and further developments and improvements discussed, including publications, sister societies, Memoranda of Understanding, Research Agenda and ICA conferences.

The EC approved a formal endorsement for Afghanistan to become a national member of the ICA. Proposals received from GeoTechVision of Jamaica, Surveying and Spatial Sciences Institute of Australia and UNIGIS of Austria to become affiliate members of ICA were also accepted. Their formal candidacy will be put to vote by the General Assembly of the ICA in Rio de Janeiro, Brazil in 2015.

After the EC meeting I was pleased to receive a message about ICA obtaining a “Participating Organization” status of the Group on Earth Observations (GEO). I am also waiting for an answer on our proposal to become a full member of the International Council for Science (ICSU, formerly the International Council of Scientific Unions) this year. It is important to see Cartography and our Association being accepted as a partner in most prestigious organizations.

## eCARTO News

Finally I would like to mention a new ICA service – the *eCARTO News*. In addition to the regular news items on the ICA website and the excellent ICA newsletter that covers relevant information about all ICA-related developments, there are numerous cartographic activities, developments, stories and issues undertaken outside our Association that maybe of interest to cartographers and GI Scientists. Such stories, news and announcements can be found in journals, in media, on the Internet and even in newspapers. Dr David Fraser, a retired academic from the RMIT University in Melbourne, Australia and former Chair of the ICA Commission on Education and Training, has been assembling such news for years. He has made them available as an email-based newsletter to the Commission members. We have asked him to share his compilations with the wider cartographic community. Given the constraint that an email-based newsletters should be short, HTML-based without large file attachments and containing only five to ten links to the most important news items, David's compilations are in a form of a list with links, inviting you to explore further what he has found for us. I am looking forward to your views on this new feature. Please be aware, that all ICA-related topics will be covered by our existing proven instruments, especially the *ICA News* edited by Igor Drecki.

Georg Gartner | President | ICA ●

# ica news 25 years ago...

To complement the recent release of digitised copy of the *ICA 1959-1984* book (see ICA website news on page 8), here is the first announcement of the ICA Publication Committee containing a brief description of this ‘classic’ ICA publication.

Igor Drecki | Editor ICA News | ICA ●

## ICA Newsletter, No 11, May 1988

### Publications Committee News

#### OTHER PUBLICATIONS

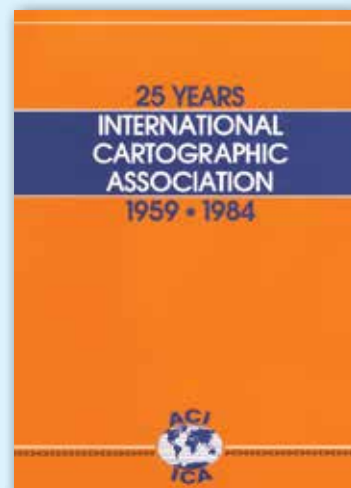
*International Cartographic Association 1959-1984/The First Twenty-five Years.*

This invaluable history of the Association was compiled by Ferdinand J. Ormelius Sr. and printed at ITC, Enschede, The Netherlands. It is published by ICA and is available from Elsevier Applied Science Publishers. [...]

Professor Ormelius details the reasons that led to the foundation of the Association, describes the twelve conferences, the twenty-five years of map exhibitions, the activities of the Commissions and Working Groups, and reviews the Association's publications. The author then sets out ICA's policy towards the Third World, records the seminars that were held in China and India, and describes relations with sister organizations in surveying, mapping and geography.

A significant inclusion in the book is Professor K.A. Salichtchev's third, comprehensive review of the cartographic literature. This chapter reviews the periodicals as they existed in the 1980s. Two additional papers concern commercial cartography and the effect of the computer on education. Also included are biographies of eleven cartographers whose contributions to the Association have been recognized by ICA.

The final paper is by Past President J.L. Morrison and is entitled ‘The Future of the ICA’.



# ica executive committee

## President

**Georg Gartner** | Technische Universität  
Wien | *Austria*

## Secretary General & Treasurer

**László Zentai** | Eötvös Loránd University  
| *Hungary*

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*South Africa*

**Menno-Jan Kraak** | University of Twente  
| *The Netherlands*

**Yaolin Liu** | Wuhan University | *China*

**Sukendra Martha** | The Board of  
Geospatial Information | *Indonesia*

**Paulo Márcio Leal de Menezes** |  
Univesidade Federal do Rio de Janeiro |  
*Brazil*

**Anne Ruas** | Institut Français des  
Sciences et Technologie des Transports |  
*France*

**Timothy Trainor** | US Census Bureau |  
*USA*

## Past President

**William Cartwright** | RMIT University |  
*Australia*

## Editor ICA News

**Igor Drecki** | The University of Auckland  
| *New Zealand*

# ica news contributions

Please send your contributions to

**Igor Drecki** | Editor ICA News |  
[i.drecki@auckland.ac.nz](mailto:i.drecki@auckland.ac.nz)

## Postal Address

School of Environment  
The University of Auckland  
Private Bag 92019  
Auckland  
New Zealand

## Submission Deadlines

**15 May** for **June** editions

**15 November** for **December** editions

# ica news past editors : part 2 cont...

## christopher board and jean-philippe grelot

In the meantime, it fell to Jean-Philippe Grelot, then Secretary General of the ICA, to carry out the wishes of the Executive Committee to prepare an emergency issue (number 25) in the interval between the retirement of Bernard Gutsell and me taking over the editorship after the forthcoming Barcelona conference in September 1995 (I had made it clear that I could not start until then). Gutsell's retirement was mentioned in number 24, October 1994, where there is an appreciation of his work by Taylor. Anson acknowledged that Gutsell had been "*mainly responsible for the editing and production management of seven*" numbers (18-24). When it became clear that a new editor could not be appointed in time, Grelot agreed that he would compile, and have printed, number 25, helping to prepare member countries, commissions and working groups for the Barcelona meetings.

Forewarned of an invitation from ICA Executive, I was able to base my proposal on the British Cartographic Society's *Maplines*. This was an A4 format product printed in two colours originally by GeoInformation in Cambridge. Preliminary enquiries from Vanessa Lawrence, then Technical Director of GeoInformation International, suggested that something on these lines could be handled by that firm. Following up such hints I sought an assurance that two numbers of 16 pages could be produced per year and that, subject to a fee for designing a template for the new-look newsletter in a single colour, costs were broadly within the budget set by the ICA. A change of title and masthead was in the spirit of what the Executive Committee wanted. I thought that *ICA News* was modern and somehow crisper than *ICA Newsletter*. As editor I wanted to attract all members and ICA participants to send in items of news. I hope this change left no one disappointed.

I gradually accumulated reports, addresses, news and forthcoming events. By 11 January 1996 I had assembled most of the copy for the first issue (number 26). I recall one problem when I tried to convert, using optical character recognition, an address from Fraser Taylor, ICA Past President, into editable English text. He had used an unusual font to aid his verbal delivery, but this defeated the software. It had to be replaced by another version.

The production of number 26 was delayed by the preoccupations of our preferred printer. Having settled for production through GeoInformation International as a sure way of establishing at least a four-year programme of publication, we were also forced to fit in with jobs to which they were already committed. However, the advantages of staying with a firm with a record of similar publications were considerable. Distribution to national members and ICA bodies would be done by them from addresses supplied by ICA. Illustrations would be easy to fit in, as the designer/copy editor received colour photographs from me.

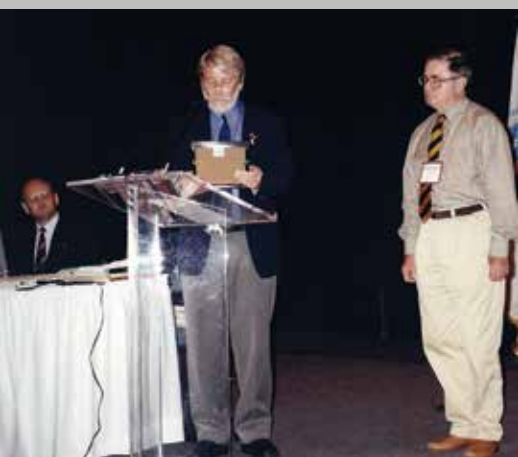
Essentially we had to wait for Roy Opie, who was my contact with the producers, to offer ICA a contract. He sent his proposals on 2 April 1996. Contacting Jean-Philippe Grelot the next day I set out my view reflecting the new ICA President's wish to have a two-colour product to emphasise the newness of the product. Grelot preferred the more conservative single colour version and addition of *Nouvelles de l'ACI* as the French title. At the end of May 1996 Grelot sent through his Secretary General's report delivered in 1995. It was in French only and June at LSE was busy with examinations and marking. Nevertheless David Cook, the designer employed by GeoInformation International worked through June to assemble all the components of the new-look *ICA News*. I kept Michael Wood in Aberdeen fully informed and listened to his advice. The page proofs were posted on 25 June and all was set for *ICA News* to go out on 14 July. Having left for France on holiday, I had to resort to fax to contact Roy Opie on 30 July. A printed copy of number 26 arrived by post on 3 August 1996 and by mid August Grelot enthusiastically welcomed its appearance. I developed a close professional relationship with the designer, which served us well when GeoInformation International was taken over by Pearson and many things began to change. Fortunately David Cook was able to stay on as our copy editor until I gave up the editorship in 1999. From issue 26 we added a simple index to contents – something lacking from numbers 1 to 25 for those trying to find an article.

Not long after the appearance of number 26, material had been assembled for number 27, when there would be some small improvements to the layout. One of the features of this template and the software used was the ability to squeeze in text by subtle changes in font size and line spacing. The overall look was similar and recognisable, but hid quite a lot of variation. This was deemed acceptable for a relatively ephemeral news vehicle, but not considered before 1995. At the Stockholm ICA meeting in 1997 there had been a request to put *ICA News* on the World Wide Web. This was not acted upon until 1999. Soon after I began to receive text from contributors and transfer files to the copy-editor by e-mail instead of diskettes. I asked for contributions not to be sent as attachments, which often would not open. *ICA News* continued to be produced as hard-copy and sent through the post.

During 1997 I was able to query the inclusion of Value Added Tax for earlier issues. Periodicals are regarded as books, if stitched, and are exempt in UK. We were also able to obtain a discount from our printers on the strength of allowing them an advertisement. In 1998 we were told that Pearson had passed the business that produced *ICA News* to another firm, but that the personnel were the same and the basis of costing the same, although larger print-runs of each issue were

# ica news past editors : part 2 cont...

## christopher board and jean-philippe grelot



Christopher Board (right) at ICC 1999 in Ottawa receiving an Honorary Fellowship of ICA from President Michael Wood (centre); Jean-Philippe Grelot, Secretary General, takes note of the occasion | *Photograph courtesy of Christopher Board*

being produced. In preparation for the Ottawa meeting in 1999 there were announcements in French, although most contributions were normally in English. Number 32, my last, appeared in August 1999 as cartographers in the southern hemisphere complained about the use of northern seasons for publication dates.

As I approached the Ottawa conference I sounded out a successor to take over the “going concern” that was *ICA News*. Its great strength was the ability to alter the items in each issue to reflect contemporary concerns. The graphic style of grouping items and the usual reportage from conferences and commission and working group meetings allowed readers to home in on items that interested them. Although the broad style was set, the content continuously changed following policy changes from the Executive Committee and varying levels of activity in the member nations, commissions and working

groups. It would be easy to adapt the structure in the template to suit editors’ intentions.

My report to the Executive Committee written in August 1999 contains basic statistics on numbers printed, costs of printing, design and distribution. Despite having contracted production for a four-year span 1995-1999, company changes forced on us changes. Due to the loyalty and cooperation of those, such as David Cook, ICA was able to maintain a virtually unbroken series of issues carrying a publishing style which has substantially lasted even to this day. My tenure saw a major transition from hard-copy contributions to electronic contributions; and from dissemination by printed journals or individual issues towards fully digital compilation and production preparing for web publication. In handing over the editorship of *ICA News* to Graciela Metternicht in 1999, I was confident that she could be made aware of exactly what was involved in producing a suite of issues between ICA conferences along with a reasonably accurate record of the processes by which the surviving hard-copy numbers were produced. Correspondence between Graciela and me in November reveals the gaps in the process of handing over the editorship. Although number 33 appeared in December 1999 edited by Graciela, it follows the style of those edited under my stewardship. This was for convenience and the need to record the proceedings of the Ottawa conference.

Christopher Board | Editor 1995-1999 | *ICA News* | UK ●

### ICA newsletter 1995-1999 :: Facts and Figures<sup>1</sup>

editors		time of publication	
christopher board (nos 26-32)	issues edited :: 7	august (no 32)	1
jean-philippe grelot <sup>2</sup> (no 25)	1	september (no 25)	1
<b>publication period</b> (1995-1999)		spring <sup>4</sup> (no 28)	1
issues published	8	summer <sup>4</sup> (nos 26, 30)	2
pages <sup>3</sup>	128	winter <sup>4</sup> (nos 27, 29, 31)	3
photographs	100	<b>format</b>	
advertisements <sup>3</sup>	3	179 x 252mm (no 25)	1
longest issue <sup>3</sup> (no 31)	pages :: 20	210 x 297mm (nos 26-32)	7
shortest issue (no 32)	12	<b>authors</b>	
<b>articles and news items</b>		44	
calendar notices	23	christopher board <sup>5</sup>	contributions :: 25
correspondence	1	michael wood	22
editorial	11	jean-philippe grelot	14
ica awards	2	alan m maceachren	7
ica news items	37	ferjan ormeling	7
ica publications	6	jacqueline m anderson	5
miscellany	14	james r carter	4
obituaries	6	judy m olson	4
profiles	4		
reports: cartographic meetings and events	38		
reports: commissions and working groups	28		
reports: president, secretary general & treasurer	10		

<sup>1</sup> Facts and Figures were compiled by Igor Drecki, based on ICA newsletters published between 1995 and 1999 (Nos 25-32).

<sup>2</sup> Jean-Philippe Grelot edited issue No 25 in collaboration with Roger Wanson (*ICA Newsletter*, No 25, September 1995, page 10).

<sup>3</sup> Include a 4-page insert *Ottawa 1999*, an advertisement for the 19th International Cartographic Conference in Ottawa, Canada, 14-21 August 1999.

<sup>4</sup> Northern hemisphere.

<sup>5</sup> The number of Christopher Board's contributions include six pieces written by the Editor. In addition, several other articles were written without author(s) named; most likely they were written by Christopher Board, which would increase his contribution substantially.

## ecarto news

In 2004 Professor László Zentai from Eötvös Loránd University in Budapest, Hungary, and then Chair of the ICA Commission on Education and Training, began producing newsletters for members and the wider ICA community. They were placed on the Commission's website ([lazarus.elte.hu/cet/](http://lazarus.elte.hu/cet/)). In 2007 I became the Chair and continued this fine tradition.

The newsletter evolved, to not only present news about the Commission, but also to include activities, developments, stories and issues from around the world which were considered of interest to members. The aim was to keep people up-to-date with the latest happenings in cartography and the GI sciences. Members were encouraged to forward the newsletter to other GI scientists in their country, as a mean of sharing the knowledge and as a vehicle for education.

It was soon apparent that, to keep abreast of the rapid changes in the industry, a more frequent newsletter was required. It was considered that members did not have the time to search the Internet on a regular basis, so this was done for them. News items were selected from around the world, giving due consideration to the multi-national nature of our Commission membership. From 2009 the newsletter was produced nearly every month and members began to use it as a resource for teaching and learning.

In 2012 I was approached by Professor Georg Gartner, ICA President, with the idea to redesign the newsletter and make it available to all ICA members. After much consideration it was decided to compile the newsletter as a list of themed links, where members can select links appropriate to their areas of interest. The first *eCARTO News* was placed on the ICA website in April 2013 by the ICA webmasters and from then new editions are released on monthly basis. You are invited to contribute comments or any general cartography items of interest by emailing them to me ([editor.ecartonews@mappingsciences.org.au](mailto:editor.ecartonews@mappingsciences.org.au)).

David Fraser | Editor eCARTO News | Australia ●

David Fraser, Editor of *eCARTO News*, in his study | *Photograph courtesy of David Fraser*





## carlos nelson



When I was a child, I really enjoyed drawing and painting maps at school. At high school my interest for mechanical drawing was born and with regards to geography I preferred its physical and mathematical aspects.

Once I went to the Patagonian mountains with my friends. Before climbing our first peak Cerro Lindo (2135m), the hut keeper drafted a simple route plan to the peak. He noticed my interest and after a short conversation, he recommended me to visit the Military Geographic Institute (MGI, from 2009 National Geographic Institute, NGI) in Buenos Aires and to buy *El Bolsón*, a topographic map at 1:100,000 scale. When I had this map in front of my eyes I knew that I would become a Cartographer.

Two years later I attended Mathematics Geographer Technical training course at the MGI. This course covered the fundamentals of topography, geodesy, restitution and cartography. During my third and final year of studies, I joined the MGI's Cartographic Department in 2007. In the following year I began to study again, and three years later I received my degree of Technical Cartographer. Currently I am working on my thesis towards Bachelor's degree.

I have been working in the NGI's Coordination Unit since 2010. That year I was involved in my first large cartographic project coordinating the *Argentina 500K* atlas containing topographic maps and satellite images of Argentina at 1:500,000 scale. Its binding offers the possibility to take out individual pages and make custom mosaics. The atlas includes a DVD with the georeferenced maps.

I am a member of the Centro Argentino de Cartografía, the Committee for Sustainable Development in Mountainous Regions of the Argentine Republic, and the ICA Commission on Mountain Cartography (CMC). Thanks to CMC, I am constantly learning about mountain cartography through the Commission's workshops and website. Since mountain cartography is my passion, my main goal as a cartographer is to offer the best of my work to the society, especially those living in mountains.

**Carlos Osvaldo Nelson** | National Geographic Institute | Argentina | [cnelson@ign.gob.ar](mailto:cnelson@ign.gob.ar)

Another cartographic project I had pleasure to coordinate: The *Planisferio: Físico – Político* map published in 2011 at the scale 1:28,000,000 and measuring 150 x 80cm; Aitoff projection was employed with central meridian at 69°W | Map courtesy of National Geographic Institute, Argentina

[www.linz.govt.nz](http://www.linz.govt.nz)

Land Information New Zealand (LINZ) is the New Zealand government department responsible for land titles, geodetic and cadastral survey systems, topographic information, hydrographic information, management of Crown property and a variety of other functions. LINZ and its predecessors have been responsible for national topographic mapping in New Zealand for more than a hundred years. As New Zealand's national mapping organisation, we are collecting, maintaining and managing an authoritative national record of the physical features of the natural and built environment.

LINZ recently updated its national 1:50,000 scale mapping, moving it to a new datum and projection. The new Topo50 map series provides topographic information for the New Zealand mainland and Chatham Islands. Topo50 is the official topographic map series used by New Zealand rescue and emergency services. Small scale maps are also available, including the Topo250 map series at a scale of 1:250,000. We undertake this mapping for defence and emergency services and national constitutional purposes. Our areas of responsibility include New Zealand and our off-shore islands, the Niue, Tokelau and Cook Islands, and the Ross Dependency of Antarctica.

LINZ makes its topographic data and mapping available in printed form through retailers and freely available via our website. The LINZ Data Service ([www.data.linz.govt.nz](http://www.data.linz.govt.nz)) also provides access to topographic data sourced directly from the LINZ topographic database used in the production of the Topo50 map series. The service provides the most current Topo50 map information released by LINZ in both digital raster image and vector data formats.

**Graeme Blick** | National Topographic Office | Land Information New Zealand | New Zealand



Example of one of LINZ's new Topo50 map sheets (above); LINZ cartographer undertaking maintenance work | Images courtesy of LINZ



The German Cartographic Society (Deutsche Gesellschaft für Kartographie – DGfK), founded in 1951, is an economically independent and politically neutral non-profit organisation for professional cartographers and geoinformation experts at various levels of formation. It is also open for people with a general interest in mapping and cartographic products. The aims and tasks of the Society are:

- to promote cartography in research, training and practice
- to support all involved in the field of cartography with apprenticeships and further training, especially for entrants
- to cultivate national and international cooperation in cartography and with other specialist fields
- to promote knowledge of cartographic science for geospatial planning and projects
- to support and nurture the cartographic culture in Germany

DGfK is the only German cartographic society that operates at both national and regional level. Governed by the Executive Board and Board Council, DGfK consists of 16 regional Sections and works in 11 thematic Commissions. Currently there are about 1,550 members made up of individuals, and numerous official authorities, institutions and organisations. To meet its aims and objectives the Society works in many different ways.

DGfK holds an annual Deutscher Kartographentag (German Cartographic Conference, usually two or three days) at different locations of the country. Current themes dealing with all

areas of cartographic interest are reviewed in paper sessions and discussions to inform about the state of the art and developments covering special, regional and European issues. Map exhibitions, company presentations, sight-seeing tours and excursions typically complement the program. The annual General Meeting of the Society takes place during this event.

DGfK, represented by its President or Vice President, is an *ex officio* member of the German Geo-Union and the Scientific Board of the German Committee for Disaster Reduction.

DGfK publishes *KN Kartographische Nachrichten*, the only cartographic periodical in German (for its profile see *ICA News* No 57, December 2011, page 8). The Society also publishes a book series *Kartographische Schriften (Cartographic Writings)* – thematic volumes issued at irregular intervals, usually once a year. The *Kartographisches Taschenbuch (Cartographic Pocketbook)*, which besides articles contains an extensive list of addresses in the field of cartography, was last published in 2005. On the occasion of the ICC 2013 in Dresden, a new edition will be issued. *Bibliographia Cartographica*, hosted by Berlin State Library, is an ongoing online documentation of international publications on all aspects of cartography since 1989. It currently encompasses around 29,000 monographs and articles, and has replaced the earlier printed version of the same title.

Since 1991 the Society awards its Mercator Medal to members and non-members for exceptional and internationally recognized

achievements in cartography. So far, five cartographers received this prestigious award: Günter Hake, Jacques Bertin, Ulrich Freitag, Ingrid Kretschmer and Mark Monmonier.

DGfK is a member of the International Cartographic Association (ICA). Representatives of DGfK are actively participating in the works of the ICA, its Commissions and Working Groups. DGfK members were initiators and founding members of the ICA Commissions on Mountain Cartography, Planetary Cartography and Cartography in Early Warning and Crisis Management. At the European level, DGfK is a founding member (1999) of the European Cartographic Union (ECU). The Society members continually engage in the cartographic activities and developments at the international level.

The above involvements form the foundation of DGfK's diversified work and interests. They provide not only the constant supply of information on cartography and daily professional life, but are also important instruments for apprenticeship and vocational education and training.

DGfK is proud to host the global cartographic community for the 26th International Cartographic Conference, to be held in Dresden from 25 to 30 August 2013. After Frankfurt am Main in 1962 and Cologne in 1993, this is the third time Germany is hosting ICA's international meeting.

**Manfred Buchroithner** | Vice President | Deutsche Gesellschaft für Kartographie | Germany ●

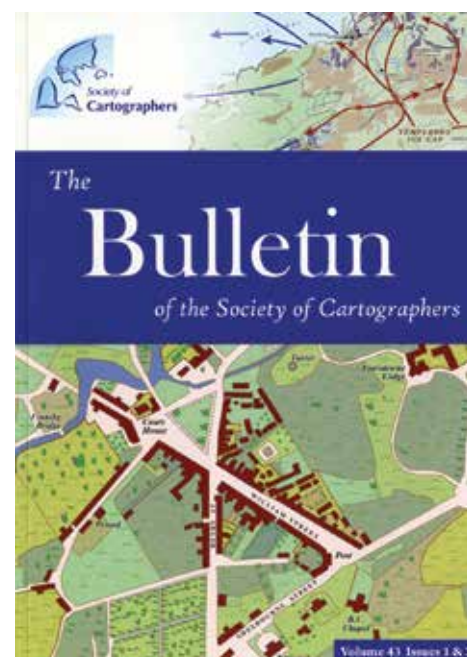
## profiles the bulletin of the society of cartographers

[www.soc.org.uk/bulletin.htm](http://www.soc.org.uk/bulletin.htm)

First published in June 1964 as *The Bulletin of the Society of University Cartographers*, today the *Bulletin* enjoys a reputation that extends well beyond its initial readership of cartographers working in university departments around the UK. Since its first issue, the scope of the *Bulletin* has encompassed the whole breadth of cartography, from critical interpretations of early maps to the use of volunteered geographical information for disaster relief. The *Bulletin* has always been oriented towards the practising cartographer, with an emphasis on showcasing the latest innovations in cartographic methods and techniques. Articles are included at the discretion of the Editor, a policy deliberately intended to encourage contributions from practising cartographers who may otherwise not find a voice through peer-reviewed journals. The *Bulletin* is produced in one volume of two issues per year, which include a range of

full-colour articles together with a summary of relevant cartographic problems and solutions as posted on CARTO-SoC, the Society's online Listserv with over 400 subscribers worldwide. The *Bulletin* also maintains a strong tradition of publishing honest reviews of books, maps and atlases, and announces forthcoming cartographic events worldwide. Recent volumes are available to members via the Society's website and a project is underway to ensure a complete online archive of the *Bulletin*. A striking new cover, incorporating an extract of the winning entry from the Society's Wallis Award each year, was designed in 2008. Inside and out, the *Bulletin* aims to promote good cartographic design and to inspire the practising cartographers of today and tomorrow.

**Alexander Kent** | Editor | The Bulletin of the Society of Cartographers | UK ●



The cover of Volume 43, which incorporates map extracts from *The Iveragh Peninsula: A Cultural Atlas of the Ring of Kerry*, the winning entry of the Society's Wallis Award for 2009, designed by Michael Murphy





Dear cartography and geoinformation colleagues!

The Programme of the 26th International Cartographic Conference in Dresden has been finalised. It was not an easy process, as the Local

Organising Committee (LOC) had to repeatedly rearrange several paper sessions to reflect the registration status of many authors. This process is now complete and the ICC 2013 Programme looks very interesting and promising (see our website for details). For those of you that have not registered yet, there is still time to do so either by visiting the Conference website [www.icc2013.org](http://www.icc2013.org) or by visiting our Registration Desk on-site immediately prior to or during the event. You will be able to register for the entire week or for a day of your choice. We hope to see you in Dresden soon!

Ten rooms at the International Congress Center Dresden (ICD) will be simultaneously at our disposal, accommodating not only the ICC's parallel sessions but also allowing organisation of spontaneous meetings at short notice. Please take advantage of this opportunity and talk to LOC about your plans.

Please be aware that all hotels, as well as many other ICC venues and activities (e.g. the Gala Dinner) will be within 15 to 20 minutes walking distance from each other, something which will make the ICC 2013 in Dresden not only convenient but also a sustainable one. The ICC Venue Map provided by the Dresden Metropolitan Survey can also be uploaded onto mobile devices. Individuals interested in one of the technical tours or in the 3-day Post-Conference Excursion to cartographically relevant

historic highlights in Germany (which also includes a visit to the famous Bronze-Age Nebra Sky Disc) are encouraged to book early, as some of these are already booked out.

As already indicated earlier, there are some novel activities scheduled for the ICC 2013. Each day one or two invited keynote speakers from Germany and abroad will give enlightening presentations concerning a wide range of mainstream as well as state of the art geovisualisation topics of high interest. Secondly, the start and finish line of the orienteering competition will be in front of the ICD allowing all Conference participants to witness the conclusion of the orienteering event. This time, the event encompasses a tricky course in both parks and residential areas. Thirdly, the internationally renowned Canadian-German artist Angela Dorrer will give live performances of her map-like "handscape" paintings at the ICD, and participants will be able to purchase laid-paper reprints of their own "handscapes". Her artwork will be simultaneously exhibited at the Altana Gallery of the Technical University Dresden.

The venue of our Conference Gala Dinner at the banks of River Elbe is just opposite the famous baroque historic downtown of Dresden. You are cordially invited to participate in this remarkable event; please register at the earliest convenience.

The 26th International Cartographic Conference in Dresden in August 2013 promises to be a great festival of global cartography. Dresden is waiting for You!

Manfred Buchroithner | Chair | ICC 2013 Local Organising Committee | Germany ●

The International Congress Centre Dresden | Images ICD



## ica news new features of ica website

[www.icaci.org](http://www.icaci.org)

### eCARTO News

The most recent change to the ICA website ([icaci.org](http://icaci.org)) is the introduction of eCARTO News, a monthly list of links to the latest cartographic news and developments from around the world (see page 5 for more information).

### New Monthly Email Bulletin

We have changed our mailing system; instead of sending out an email whenever something new is posted to the website, we now send out a monthly email bulletin containing a summary of all news items published on the website. Please visit [icaci.org/email-newsletter/](http://icaci.org/email-newsletter/) if you like to subscribe to this service.

### History of ICA

Over the last few months we have also updated and enhanced information on the history of our Association. We perceive the ICA website as not only an instrument to bring you the latest news, but also to give in-depth information about

ICA's heritage. We added a list of all members of the ICA Executive Committee from 1961 and information about the past International Cartographic Conferences (ICC) and General Assemblies. We digitised and made available the book *ICA 1959–1984: The first twenty-five years of the International Cartographic Association*; the book was compiled and largely written by Ferdinand J Ormeling Sr and originally published in 1987. Our online archive of ICC Proceedings goes back to the 16th ICC in Cologne, Germany in 1993. Other enhancements include:

- extending the archive pages of the ICA Commissions and Working Groups
- adding obituaries to recognise cartographers that served our Association
- reorganising the ICA Awards section to include more information about the recipients of Carl Mannerfelt Gold Medal, ICA Honorary Fellowship and Diploma for Outstanding Services to ICA, as well as winners of the International Cartographic Exhibition awards,

Barbara Petchenik Children's World Map Award, and Travel Award

Of course, this is still work in progress, therefore we invite you to help us enhance the ICA website! Please send us any material that is currently missing or might be of interest to the ICA community, including photos of people and award ceremonies. Thank you.

### Miscellaneous

The **Map of the Month** feature is currently on hold until new winners of the International Cartographic Exhibition are announced at ICC 2013. We would like to remind all Commissions and Working Groups that they are welcome to publish news and announcements relevant to their work on the ICA website (see *Guidelines* document on the **Contact** page for more information). Please make sure your Commissions' events are listed in the **Calendar**.

Felix Ortog and Manuela Schmidt | Webmasters | ICA Website | ICA ●



## Art and Cartography

[artcarto.wordpress.com/](http://artcarto.wordpress.com/)

### Commission Activities

During the last few months, the ICA Commission on Art and Cartography has been working on four major projects following the workshop on *Cartography & Narratives* that took place at the Institute of Cartography and Geoinformation, ETH Zurich on June 11-13, 2012 ([cartonnarratives.wordpress.com/](http://cartonnarratives.wordpress.com/)). We are currently in the process of editing two complementary special issues of two academic journals:

- One will be published in *The Cartographic Journal* and co-edited by Sébastien Caquard and William Cartwright. It will compile a range of academic papers providing more of a cartographic perspective on the relationships between maps and narratives (see [tinyurl.com/ar6cwtb](http://tinyurl.com/ar6cwtb) for more information)
- The other one will focus on the artistic points of view of the relationships between cartography and narratives. This second special issue will be co-edited by Laurene Vaughan and Matthew Bissen and it will be published in NANO – New American Notes Online, Issue 6 (see [tinyurl.com/au8ktka](http://tinyurl.com/au8ktka) for more information).

Both of these issues will be published in May 2014. They will cross reference each other in order to provide a broad and coherent perspective on the relationships between maps and narratives.

The other outcome of this workshop are two film projects:

- A curated film by Matthew Bissen, Paul Ritchard and Laurene Vaughan entitled *Narrating Place* that combines 21 short movies of 45 seconds each. *The aim of Narrating Place is to explore through a series of 45 second video pieces, a diversity of ways of narrating the experience and representation of place. The phenomenon of place is a rich concept rooted in how we perceive and conceive our environment. (...) The invited participants come from the Americas, Europe and Australasia. The outcome of this rich mix will result in a unique commentary on and contribution to the affective cartographies of place.* ([narratingplace.info/?page\\_id=87](http://narratingplace.info/?page_id=87))
- A collaborative film on cartography and narratives is also under production. Ten artists and academics in Zurich and Montreal are currently working together on exploring the relationships between maps and stories through a fiction film. The first screening of this 30 minutes movie will happen in Dresden on Wednesday, 28 August 2013 (from 12:15 to 13:00) during the 26th International Cartographic Conference. In Dresden, the Art and Cartography Commission will also coorganize a street game



Part of the *Cartography and Narratives* movie that will be screened at ICC 2013 in Dresden is an archival research concerning the work of mapping pioneer Ernst Spiess, the former Head of the Institute of Cartography at ETH Zurich and recipient of the ICA's Carl Mannerfelt Gold Medal, shown here taking triangulation measurements in Val de Bagnes, Switzerland, 1959 | Photograph courtesy of Lorenz Hurni archive

workshop (in collaboration with the ICA Commission on Maps and Society). This workshop is scheduled for Sunday, 25 August 2013, and will be made of two parts:

- an academic session focusing upon mapping practices enrolled in gaming
- a practical urban gaming encounter organized by *Invisible Playground*, a street game company ([tinyurl.com/bmpq5cz](http://tinyurl.com/bmpq5cz)).

**Barbara Piatti and Sébastien Caquard** | Chairs  
| ICA Commission on Art and Cartography | Switzerland / Canada ●

## Cartography and Children

[lazarus.elte.hu/ccc/ccc.htm](http://lazarus.elte.hu/ccc/ccc.htm)

### Commission Activities

In the first half of 2013 the ICA Commission on Cartography and Children has been organizing the Joint ICA Symposium entitled *Sharing Knowledge*. The event is planned for 23 August 2013, immediately before the 26th International Cartographic Conference, and it will be held at the Dresden University of Technology. The other participating Commissions are: Education and Training, Maps and Graphics for Blind and Partially Sighted People and Planetary Cartography. The organizers wish to give an opportunity to their members and participants in general, to share and discuss

the results of latest and most representative research developed in the topics covered by the Commissions during the last two years.

The Symposium programme includes:

- In order to accomplish the aims of ICA to widen and deepen our relations with other international associations and institutions related to our field, the organizers have invited two colleagues from other international organizations to open the event. Joop van der Schee (Center for Educational Training, Assessment and Research, VU University Amsterdam), Co-chair of the Commission on Geographical Education of the International Geographic Union (IGU), will present the activities of his Commission, emphasizing the past, the present and the future of the relations between our organizations. The other invited presentation by Sean O'Connor (National Geographic Society, USA) entitled *Maps for Spatial Thinking and Learning across the K-12 Education Continuum* will cover National Geographic Education initiatives that focus on creating educational programs and resources for schools, out-of-school settings and the home.
- A special workshop proposed by the Commission on Education and Training will be delivered in the afternoon. This activity, entitled *Online Education in Cartography – It's Massive Now*, will be presented by Anthony Robinson (Pennsylvania State University, USA).

All submitted papers will be published in the CD Proceedings and accessible from [lazarus.elte.hu/jointsymposium2013/](http://lazarus.elte.hu/jointsymposium2013/).

The other important task is the organization of the 2013 Barbara Petchenik Competition. National competitions have been closed and the national winner entries were sent to the international coordinators, Peter van der Krogt and Ferjan Ormeling (the Netherlands). At present the entries are being judged to select three winners in each age group. Earlier this year, the Commission selected a new Chair of the Competition Jury. The selection process was very difficult and after considering all arguments, Professor Necla Uluğtekin from Department of Geodesy and Photogrammetry at the Istanbul Technical University (Turkey) was selected to fill this position.

This year the ICA celebrates the 20th Anniversary of the Barbara Petchenik Competition, which was first organized in Cologne, Germany in May 1993. The Commission on Cartography and Children will honour this milestone by dedicating a special stand to the ten winning entries of the first competition in 1993 (all winning entries of the 1993 competition have been reproduced on the back covers of *ICA News* No 52, June 2009 and No 55, December 2010).

**José Jesús Reyes Nuñez** | Chair | ICA Commission on Cartography and Children | Hungary ●

## Cartography in Early Warning and Crises Management

### Commission Activities

For several years the Commission is participating in the Interexpo-GeoSiberia (formerly GeoSiberia) conferences and trade fairs in Novosibirsk, Russia. At the most recent Conference organised in April 2013, Prof Georg Gartner, ICA President officially greeted all participants and delivered two speeches. About 91 companies from Russia and abroad, and 2,000 delegates attended Interexpo-GeoSiberia.

On 25 April 2013, the ICA Commission on Cartography in Early Warning and Crises Management (CEW&CM) organised a workshop *The Risk and Emergency Management Circle: How to support it by cartography, geoinformatics, GPS and remote sensing?* at the Novosibirsk Expo Centre. It attracted 120 participants, with high percentage of students. Prof Milan Konečný, Commission Chair, delivered a keynote speech entitled *Cartography and Geoinformatics in Risk and Crises Management*. In all, 17 papers were contributed to the Workshop's Proceedings.

The Commission's Vice-chair Christophe Lienert delivered a talk at the ESRI's German-speaking User Conference 2012 in Munich, Germany, where he discussed the idea of a cloud-based web-services for early warning in various fields (hydrology, floods, road conditions, traffic jams). The presentation also included a number of spatial data infrastructure topics, including data models for real-time data, server infrastructure and visualization tools.

Christophe Lienert also presented a paper at the 2012 International Conference on Hydro-Informatics in Hamburg, Germany, where he discussed bi-directional data workflows for qualitative observation data in (post) flood management. Using modern mobile devices with mapping and GPS functionality holds a great potential to aid operational hydrologists who need real-time information during and

after flood event from people out in the field. This information, that may be collected voluntarily, concerns current weather situation, supplies needed, damage to infrastructure, etc.

CEW&CM, supported by Bulgarian Cartographic Association and Masaryk University, Brno, Czech Republic, organised a 2-day Seminar on Early Warning and Crises Management at the 4th International Conference on Cartography and GIS in Albena, Bulgaria (for Conference report, see *ICA News* No 59, December 2012). The Seminar, attended by many distinguished delegates, was opened by Pavel Vacek, Czech Republic Ambassador, and greeted by letter from Kristallina Georgieva, Bulgarian European Union (EU) Commissioner responsible for International Cooperation, Humanitarian Aid and Crisis Response. Prof Milan Konečný delivered a talk on *Early Warning and Crises Management Geographic Information Research Agenda*. A Round Table concluded the Seminar programme, complemented by special Proceedings.

### International Collaboration

Prof Milan Konečný participated as an invited guest in EU activities concerning building a geoinformation infrastructure in Balkan countries. He contributed a presentation on *ICA findings of Gaps in Research-Governmental Crises Management Cooperation*.

At the international workshop *Earthquakes without Frontiers*, held in Cambridge, UK between 19-21 October 2012, the Commission Vice-chair Prof Li Jing from China, delivered a presentation *Earthquake Disaster Relief*. In his talk, he discussed application of spatial information technology in earthquake disaster relief, using "5.12" Wenchuan Earthquake relief effort as an example. He was also invited to give a presentation *Disaster Management and Remote Sensing Application* at the University of Ljubljana, Slovenia on 27 November 2012. His talk discussed application of remote sensing technology in natural disaster management, especially flood and earthquake.

Commission members participated in ISPRS Congress in Melbourne, Australia in August

2012 by organising a special session on Disaster Management. Professors Milan Konečný, Temenoujka Bandrova and Sisi Zlatanova prepared the profile paper *3D Maps For Disaster Management*.

Commission members also participated in the International Society on Digital Earth Conference in Wellington, New Zealand, 1-5 September 2012. Prof Konečný chaired a session and delivered a paper *Digital Earth and Crises Management: Potentials for Research Agenda Improvements*, which explained CEW&CM results and intentions.

The Commission members were present at the 8th International Conference on Geo-Information for Disaster Management held in Enschede, the Netherlands in December 2012. The event was organized by Prof Zlatanova and ICA was invited to support organizing committee. Prof Menno-Jan Kraak, Vice President of ICA, promoted our Commission activities in his opening speech.

The first opening meeting of the EU-China Disaster Risk Management project was held in Beijing, China in June 2012. Prof Konečný participated in this meeting and had a chance to inform distinguished delegates about ICA efforts and to recommend areas of cooperation where ICA approaches are unique. The follow up meeting was held in Aix en Provence, France in July 2012 attended by high level representatives of EU countries.

Another EU-China collaboration involving CEW&CM was held in Beijing, China in November-December 2012. The *High Level Forum and Workshop on Crises Management* was organized with relevant representatives from 22 Chinese provinces. Prof Konečný delivered a speech *Crises Management and Operational Response of the Czech Republic* highlighting many relevant cartographic and geoinformatics issues to EU and Chinese representatives. Prof Li Jing was also present.

**Milan Konečný** | Chair | ICA Commission on Cartography in Early Warning and Crisis Management | Czech Republic ●

## Digital Technologies in Cartographic Heritage

[www.ica-international.org/ICA-Heritage/](http://www.ica-international.org/ICA-Heritage/)

### Commission Activities

The activities of the ICA Commission on Digital Technologies in Cartographic Heritage during 2012 focused on:

- Annual Workshop
- Commission's support and involvement in the organization of activities for the Greek *Cartographic Week*

The 7th Commission Workshop on *Digital Approaches to Cartographic Heritage* was held

Interexpo-GeoSiberia Conference in Novosibirsk, Russia; left: Georg Gartner (left), Irina Rotanova (centre) and Milan Konečný; right: attendees of the Award Ceremony | Photograph courtesy of Milan Konečný







Participants of the 7th Workshop on *Digital Technologies in Cartographic Heritage*, held at the Institut Cartogràfic de Catalunya, Barcelona, Spain | Photograph courtesy of Evangelos Livieratos

in Barcelona, between 19-20 April 2012, and hosted by the Institut Cartogràfic de Catalunya (ICC), which provided space and facilities for the event. The Workshop was organised immediately after the 18th Conference of LIBER-Map Experts Group (17-18 April 2012), which took place at the same venue. LIBER, the Association of European Research Libraries, has in its structure an active Group of Map Librarians with members from our Commission. Their participation in the Commission's Workshop not only increased the number of participants, but also contributed to many fruitful discussions and exchanges during the Workshop.

91 participants representing 24 countries from Europe, North and South America, attended the Workshop. The audience's multidisciplinary backgrounds (Libraries, Archives, Museums and Cultural Institutions together with the traditional representation from Universities, Research Centres and private sector) were in line with a number of the Commission's terms of reference related to:

- encouraging and promoting the dialogue between digital technologies and map librarianship, map archives, map collections, history of cartography
- opening new ways in cartographic heritage research
- inspiring partnerships and joint ventures between experts from the fields above

The Workshop's topics covered a broad spectrum of fields of theoretical and applied research, such as:

- digital map libraries and map collections
- archiving, matching, management, networking and accessibility of Cartographic Heritage items in-situ and on the web
- development of methodologies and standards applied to proper two- and three- dimensional digitisation of Cartographic Heritage objects, materials and documents

- digital map restoration
- digital technologies in map collections, including the digitisation of collections
- online presentation of maps in georeferenced and non-georeferenced forms
- discovery, accessibility and retrieval of materials through a range of portals, INSPIRE and SDIs
- new opportunities for cooperation and partnerships using digital technologies
- development of tools for the long-term preservation of digital map content
- open data relevant issues.

The ambience of the hosting ICC certainly provided an ideal atmosphere for the Workshop (see photos at [www.flickr.com/photos/61773467@N04/sets/72157629545480846/show/](http://www.flickr.com/photos/61773467@N04/sets/72157629545480846/show/)) enriched by some extra tours of the Institute's technical facilities and exhibitions during the breaks. The success of the Workshop would not have been possible without the efforts of a number of people from the ICC.

The upcoming 8th International Workshop on *Digital Approaches to Cartographic Heritage* will be held in Rome, 19-20 September 2013. It will be hosted by the Italian Geographic Society (SGI) at Villa Celimontana. More information about the Workshop can be found at [xeee.web.auth.gr/ICA-Heritage/2011\\_2015/Roma2013/](http://xeee.web.auth.gr/ICA-Heritage/2011_2015/Roma2013/).

## Greek Cartographic Week

An overview of modern Greek cartography was offered to the participants of the *Cartographic Week*, 9-13 October 2012, organised with the help of our Commission in the city of Kozani. The event and its location coincided with the 100th anniversary celebration of the independence of Macedonia and Epirus in 1912 and their incorporation into the Greek State. Two institutions collaborating with our Commission, the Koventareios Municipal Library and Lassaneios Municipal Map Library are located in Kozani, a major city of Western Macedonia in Northern Greece.

The *Cartographic Week's* programme started with themes related to historical cartography, followed by items of current cartographic interest and concluded with the most recent technological advances and developments of national significance. It was a week fully dedicated to maps that addressed many dimensions of our discipline. Historical cartography sessions, held in the Lassaneios Map Library and organised by our Commission, included presentations concerning Greek communities and their migrations from Western Macedonia and Kozani to Europe, especially to Hungary. Two prominent specialists in the field of Greek Diaspora, Prof O Katsiardi-Hering and Dr I Mantouvalos, delivered captivating presentations during the opening evening, which were followed by an opening of the *Western Macedonian and Kozanites in Western Europe – Hungary* exhibition.

The presentations were concerned with the Greek communities in central and western Europe during the 18th and 19th century, the migration networks and the overall activities of the Greek Diaspora in Europe, with a strong Greek presence in social and economic activity of European cities at that time. The exhibition, on the other hand, offered a cartographic view of the above topic and centred on two major atlases: the 18th century Atlas of JB Homann, *Atlas Minor XXXVI Tabularum Hommanianarum Coloribus methodice distinctarum*, and a modern Hungarian Atlas (2001) by Hidas Gábor, *Történelmi Világatlasz*. Prof László Zentai, ICA Secretary General, provided copies of other historical Hungarian maps from the 18th and 19th century for the exhibition. Additional historical material was shown,

&gt; 12

Visitors to the *From Melouna to Kozani* cartographic exhibition at the Lassaneios Map Library in Kozani, Greece | Photograph courtesy of Evangelos Livieratos



together with modern representations of the relevant geographic space on present-day base maps. The whole exhibition provided an interesting view of cities and areas in Europe where an active, progressive and patriotic part of the Greek nation flourished, and played an important role in the so-called Greek Enlightenment during the 18th and 19th century.

A second exhibition, also held in the Lassaneios Map Library and supported by our Commission, opened a couple of days later. Its theme *From Melouna to Kozani* related to the centennial anniversary mentioned before. The exhibition focused on Greek cartography of the second half of the 19th century and presented the expansion of Greek territory and the respective mapping of the bordering areas, starting from 1832, continuing to the north in Thessaly (1881) and then up to Macedonia and Epirus in 1912-1913.

An important event held during the Cartographic Week, was the National Cartographic Conference, 10-12 October 2012. It was organized by the Greek Cartographic Society and supported by the ICA Commission on Digital Technologies in Cartographic Heritage, among others. During the 2-day event, a broad and interesting spectrum of papers was presented relating to the main topic of the Conference *Cartography, Geoinformation and Local Governance*.

Another event was a study-day of the Greek State Mapping Agency OKXE (Organization for Cadastre and Mapping of Greece), which focused on the cooperation with the local government and implementation of the European directive INSPIRE concerning geospatial data. Prof Evangelos Livieratos, Chair of the Commission and Minister of the Greek State (Minister of Environment, Energy and Climatic Change) opened the study-day and gave an enlightening talk concerning historical aspects of the Greek Cadastre and its links to contemporary state mapping.

## Future Plans

The Commission is currently working on the examination of possibilities and prospects for the cooperation with LIBER's Map Librarians Group / Groupe des Cartothécaires. This initiative is lead by the Commission's Vice Chair Dr Carma Montaner from the Institut Cartogràfic de Catalunya, Spain.

Being recognized as a hub of cultural heritage, historical studies and technology, the Commission was recently asked to act as a connector to a broader audience for an on-line exhibition of rare and curious atlases from the University of Bristol Library Special Collections. The respective links are provided, thanks to Ms Veronica Delladora: [www.bris.ac.uk/news/2013/9381.html](http://www.bris.ac.uk/news/2013/9381.html) and [uobatlas.net/](http://uobatlas.net/).

**Evangelos Livieratos** | Chair | ICA Commission on Digital Technologies in Cartographic Heritage | Greece ●

## Generalisation and Multiple Representation

[generalisation.icaci.org/](http://generalisation.icaci.org/)

### Symposium in Barcelona, Spain

The National Mapping Agencies (NMA) Symposium, organised by the ICA Commission on Generalisation and Multiple Representation and the EuroSDR Commission on Data Specifications, took place between 21-22 March 2013 in Barcelona, Spain. It was hosted by the Institut Cartogràfic de Catalunya (ICC). The theme of the Symposium was *Designing MRDB and Multi-scale DCMs: Sharing experience between governmental mapping agencies*. Presentations were delivered by representatives of swisstopo, IGN France, IGN Belgium, NLS Finland, GST (KMS) Denmark, IGN Madrid, Kadaster NL, OS Ireland, AdV Germany, ICC Catalonia and USGS USA (by phone). A broad selection of existing approaches and solutions in NMA was presented with utilisation of software products from 1Spatial, ESRI, xpublish and FME. Most NMA showed significant progress in automating (parts of) multi-scale map production processes, while others were about to adopt major changes to include more automation. Generalisation for complete production lines as well as for specific cartographic products were discussed. The solutions were developed mainly for paper map production, but NMA work in parallel on web and mobile solutions, like National Atlas Viewer from USGS. Further information, such as summaries of the break out sessions as well as abstracts from all presenters can be downloaded from the Commission website.



Participants of the Barcelona Symposium | Photograph courtesy of Dirk Burghardt

### Future Plans

The 16th ICA Generalisation Workshop will take place in Dresden between 23-24 August 2013 prior to the 26th International Cartographic Conference. In total, 20 papers were selected for the presentation at the workshop based on the review process. Registration to the workshop can be accessed through the ICC website: [www.icc2013.org](http://www.icc2013.org).

**Dirk Burghardt** | Chair | ICA Commission on Generalisation and Multiple Representation | Germany ●

## GeoVisualization

[geoanalytics.net/ica/](http://geoanalytics.net/ica/)

### GeoViz Hamburg 2013

Members of the ICA Commissions on GeoVisualization and Cognitive Visualization gathered in Hamburg from March 6-8 to participate in the third biannual GeoViz Hamburg conference. 76 attendees from 18 countries came together to explore the intersections of geovisualization and cognitive issues, and to share the state of the art in both areas of research in the traditional venue of a circus tent erected in the atrium at HafenCity University.

As a first-time GeoViz Hamburg attendee, I was eager to experience the innovative format used for this meeting. GeoViz Hamburg defines two types of talks – short ones and long ones, where short talks get a total of five minutes each (with no questions) and long talks get a total of 20 minutes each, with ten minutes for talking and ten minutes for questions. A progress bar is projected by the side of the slides for each talk in full view of speaker and audience to enforce these strict time constraints. While it may seem limiting at first, I found this format to be an excellent match for a work-in-progress research meeting. There's no time to be bored with long talks, and although the short talks only receive 5 minutes and no questions, they transition immediately into 40 minute sessions in a demo area where people can wander and ask questions, check out results in greater detail, and make connections with other researchers. Compared to the other meetings I normally attend, I felt like we were always moving around and engaging with each other at GeoViz Hamburg.

Research themes at this meeting included a focus on large datasets of movement information, social media contributions, and the challenges associated with supporting visual interaction with these complex and dynamic data sources. A healthy proportion of the presentations were by graduate students who highlighted work-in-progress, which ensured that the proceedings included a lot of exciting work that could immediately benefit from feedback and discussion. While it's nice to see completely finished research, I usually learn more when I'm confronted with problems that haven't yet been solved. I'll definitely be back for GeoViz Hamburg 2015.

Selected contributions have already been invited for consideration in a post-workshop issue of the International Journal of Geographical Information Science. Additional materials can be found at the Workshop website [geomatik-hamburg.de/geoviz/](http://geomatik-hamburg.de/geoviz/).

**Anthony C Robinson** | Member | ICA Commission on GeoVisualization | USA ●



## Map Design

[mapdesign.icaci.org/](http://mapdesign.icaci.org/)

### Commission Activities

Map design has never been at the fore of cartography quite as much as it is at the moment. It seems that every company and map provider is trying to outdo the next on the basis not only of making the best looking map but also ensuring that the design supports a strong user experience through the design of ever more intuitive user interfaces. This is driving improvements in cartography as well as in how people use maps. The ICA Commission on Map Design is also seeing increased interest as a forum for discussion and also as a focus for sharing best practice.

The ICA Commissions on Map Design and Neocartography hosted a series of three paper sessions at the Association of American Geographers' Annual Meeting in Los Angeles in April. Organised and chaired by Kenneth Field (Chair Map Design) and Andrew Turner (Vice Chair Neocartography), the sessions brought together a terrific mix of cutting edge work on a wide variety of topics that cross-cut themes of map design in the digital age. Ken (Esri) began the first session with a paper co-authored by Professor William Cartwright (RMIT) on the Use and Abuse of Harry Beck's tube map. The focus here was squarely on design and the issues facing cartography as more and more people use a schematic tube map, inspired by Beck, as a template for their own maps. Mike Peterson (University of Nebraska at Omaha) explored the range of approaches available to digital map-makers and how the various APIs can be leveraged. Ryan Mullins (Penn State) showcased SymbolStore as a forum for creating and sharing point marker symbols. It's a useful repository that cartographers would be well advised to check out. Aileen Buckley (Esri) presented examples from her work on designing effective spatio-temporal maps. Aileen presented a good summary of current web map examples and demonstrated some approaches to developing the techniques in ArcGIS. Closing the first session, Andrew Turner (Esri) used his experience of the hacking community to present a compelling picture of how neocartographic approaches are contributing to the response, management and recovery in crises. His examples ranged from Haiti to Sandy and allowed us to plot the way in which mapping technologies have matured in such a short space of time to provide fundamental support.

John Kostelnick (Illinois State University) picked up the mantle from Andrew for the second session as he looked specifically at design of map symbology to support crisis mapping by international humanitarian organisations. Shunfu Hu (Southern Illinois University) then illustrated how his work operationalised some of the work that Mike

Peterson had been discussing earlier. Ahmad S Massasati (University of Pittsburgh) reminded us that map design isn't the preserve of vector data by focussing on some of the issues relating to Mosaicking and Georeferencing Old Aerial Photography. In what he claimed was his first ever presentation in English, Jong Lee did a great job explaining his research into the design and testing of animated maps. His practical approach to creating interactive web maps picked up some of the themes outlined earlier by Aileen and tied together a number of salient points in terms of design principles. The final paper in the second session was given by Gordon Green whose work in mapping the rooftop cooling potential of New York City demonstrated that good design in a web environment was a function of getting both the science right as well as the interface.

The final session comprised three papers from young researchers. Victoria Loughlan (University of Edinburgh) carried on the theme of humanitarian mapping for UN peace operations. Gary Huffman (Penn State) presented his work on Natural Language Processing in ArcGIS to provide advanced search capabilities. John Clary (University of Texas) mapped personal electronic communications and touched upon big data as well as information design. We had a vibrant conversation that we hope will continue to emerge as map design becomes a crucial component of information communication now we're in a web map world.

The Commission is also in the final stages of preparing a special issue of Cartographic Perspectives on Aesthetics in Mapping. This is one of the outcomes of the series of meetings, presentations and discussions that took place at the annual meeting of the North American Cartographic Information Society (NACIS) held late last year. Bernhard Jenny and Aileen Buckley are putting the finishing touches to the issue that will feature a number of important articles on current thoughts on the value of aesthetics. Given the Apple Maps debacle in early 2013 and the redesign to Google Maps announced in May, aesthetics is clearly something that the big players are grappling with. Apple's well publicised difficulties illustrate clearly what happens when you ignore the issue of how your map looks. Google, on the other hand, seem to be increasingly embracing the look and feel of their map as a showcase for a more personalized map interface. This is a really fascinating space and one which the Commission will continue to engage in.

Finally, plans are well underway for a pre-conference workshop at the International Cartographic Conference in Dresden co-hosted with the Commission on Neocartography. The event will be free and details are posted on the conference web site [www.icc2013.org](http://www.icc2013.org). The workshop will feature presentations from key players in the digital map design area as well

as demonstrations of best practice in web map design. We plan to open the afternoon to short format talks and a panel session to explore themes in a more discursive environment and we would welcome engagement from those working in this area or who have an interest or opinion in map design and neocartography.

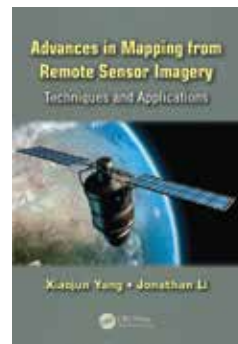
Please visit our web site and sign up to receive updates on the work of the Commission. If you have any ideas you can contact us through the web site.

**Kenneth Field** | Chair | ICA Commission on Map Design | USA ●

## Mapping from Remote Sensor Imagery

[mailer.fsu.edu/~xyang/ica/](mailto:mailer.fsu.edu/~xyang/ica/)

### New Book



The ICA Commission on Mapping from Remote Sensor Imagery has played a leading role in the production of a new book *Advance in Mapping from Remote Sensor Imagery*. The book represents a joint effort between

members of our Commission and other organizations such as the International Society for Photogrammetry and Remote Sensing and the Association of American Geographers. It reviews some latest advancement in remote sensing and related techniques for various mapping applications. The text covers three major parts: an overview of modern photogrammetry, lidar remote sensing, and advanced image classification techniques; a review of the utilities of remote sensors and related techniques for extracting several types of geographic features that are essential for topographic map production, including elevation, shorelines, and human settlements; and a showcase of some latest developments in the synergistic use of remote sensing and relevant techniques for environmental and ecological mapping. Chapters are written by leading scholars and researchers from a variety of fields, including remote sensing, photogrammetry, geographic information systems, geography, and environmental science. The book is invaluable to senior undergraduate and graduate students, researchers, and professionals working in the above fields.

### Commission Activities

Our Commission is supporting two international conferences:

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- The Fourth International Conference on Earth Observation for Global Changes (EOGC2013), 5-7 June 2013, Toronto, Canada; Dr Jonathan Li (Commission Vice Chair) and Dr Xiaojun Yang (Commission Chair) lead the Scientific Committee. Several other Commission members serve in the scientific committee: Dr Yifang Ban (Sweden), Dr Guoxiang Liu (China), and Dr Julian Smit (South Africa).
- The 5th International Conference on Geo-information Technologies for Natural Disaster Management, October 2013, Mississauga, Ontario, Canada; Dr Jonathan Li serves as the Conference Chair, while Dr Xiaojun Yang and Dr Julian Smit serve as Co-chairs for the Scientific Committee.

**Xiaojun Yang** | Chair | ICA Commission on Mapping from Remote Sensor Imagery | USA ●

## Maps and Graphics for Blind and Partially Sighted People

### Commission Activities

Between 8-12 April 2013, the Tactile Cartography Centre (CECAT) organised the *Training Course for Implementing the Educational Resources Center for Visually Handicapped Persons* at the Chilean Metropolitan Technological University (UTEM). This 40-hour training was intended for technicians, professionals, teachers and trainers.

The experts, Pablo Lecuona and Gustavo Ramírez of “Tiflonexos”, led the course, providing theoretical and practical content involving the production of Braille and audio material using informatics tools adapted for the blind, including the use and maintenance of Braille impact printers. The participants were also trained in making the best use of the technological, material and human resources,

Pablo Lecuona and Gustavo Ramírez together with Víctor Huentelému (CECAT researcher), assess teaching materials created at the Tactile Cartography Center, UTEM | *Photograph courtesy of Alejandra Coll Escanilla*



by active exchange of ideas and networking.

The new educational resources are designed to support the production of specialized texts in Braille and Macrotype for schools at all levels from Nursery to High school, for specialized or differentiated education modes, and for regular or flexible adult education modes. They also help to produce educational teaching materials associated with the Center itself, including research, training, technology transfer and public outreach.

The Commission is currently setting up its website. The work and funding has been approved by the ICA, so we are working on the contents that would enable researchers and professionals in the area of maps and graphics for the blind and visually handicapped to read the news and link together. In accordance with the Commission's Terms of Reference, the website will enhance communication between people with other learning problems who are not necessarily involved in cartography and related sciences.

### Future Plans

One of the challenges coming up this year for the Commission is publication of the book *Methodological Guidance: Teaching and Learning Space Through Touch* in conjunction with the PAIGH-OAS and the UTEM. The authors are CETAT researchers: Teresa Barrientos and the sociologist Víctor Huentelému (who is blind). This project is in its final stage requiring arrangements for this work to be published in Spanish and English and to design the format for its final publication. It is hoped that the ICA supports this project, as its origin is based on a need raised and recommended at the ICC 2005 in A Coruña, Spain.

The ICA Commission on Cartography and Children has invited our Commission, together with the ICA Commissions on Education and Training and Planetary Cartography to participate in the Symposium *Sharing Knowledge*, to be held at the Technical University of Dresden on 23 August 2013, as part of the pre-event activities of the 26th International Cartographic Conference.

**Alejandra Coll Escanilla** | Chair | ICA Commission on Maps and Graphics for Blind and Partially Sighted People | Chile ●

## Maps and the Internet

[maps.unomaha.edu/ica/](http://maps.unomaha.edu/ica/)

### Commission Activities

Prior to the ICC 2013 meeting in Dresden Germany, the ICA Commission on Maps and the Internet will be holding a pre-conference meeting in Plzen, Czech Republic. The Commission meeting will have papers, posters,

and workshop sessions along with cultural tours and experiences. Submitted papers will be considered for a ICA edited book publication. We welcome you to attend this meeting. For more information, please visit the Commission meeting website [gis.zcu.cz/kartografie/ICA\\_Commission\\_Meeting/](http://gis.zcu.cz/kartografie/ICA_Commission_Meeting/).

**Rex Cammack** | Chair | ICA Commission on Maps and the Internet | USA ●

## Mountain Cartography

[www.mountaincartography.org/](http://www.mountaincartography.org/)

### Workshop in Banff, Canada

The ICA Commission on Mountain Cartography and the Canadian Cartographic Association are pleased to announce the 9th Mountain Cartography Workshop. It will be held at the HI-Banff Alpine Centre in Banff National Park in the Canadian Rocky Mountains, between 22-26 April 2014.



HI-Banff Alpine Centre | *Photograph courtesy of Roger Wheate*

The theme of the Workshop is focused on *Mapping and Mountain Parks*; however submitted talks can deal with any aspect of mountain cartography, or map data related to mountain environments. Many presentation types are possible, from classic research papers to live software demonstrations to map discussions.

Banff is located 100km west of Calgary. You can easily reach the workshop site by bus, train or car from Calgary International Airport in less than two hours. The ride will take you through three contrasting environments: the Prairies, the Foothills and the front ranges of the Rocky Mountains.

Since its beginnings, Banff has attracted tourists, climbers and adventurers from Europe and the rest of the world to explore its mountains and landscapes. Banff is Canada's oldest National Park established in 1885, with facilities centred on the town of Banff, population 7,000 and a popular year-round recreation location. Banff was the host city for the 1988 Winter Olympic Games. The area includes many attractions such as the Banff Hot Springs and Hotel, Bow Falls, Sulphur





Banff and Mt Rundle (2,948m) | Image courtesy of Roger Wheate

Mountain gondola, nearby downhill skiing at Sunshine village, the annual Banff Mountain Film festival, and the Whyte Museum, which highlights the local mountain heritage and environment. Banff along with three adjacent parks form a world UNESCO heritage site.

**Roger Wheate** | Member | ICA Commission on Mountain Cartography | *Canada* ●

## Planetary Cartography

[planetcarto.wordpress.com/](http://planetcarto.wordpress.com/)

### Planetary Maps and Io Globe at Volcano Museum in Celldömölk, Hungary

Planetary maps and a globe created by members of ICA Commission on Planetary Cartography are featured in the *Solar System Room* of the newly opened volcano museum in Celldömölk, Hungary. The museum, part of the Kemenes Volcano Theme Park, is located at the foot of the 280m tall Ság-hegy, an extinct phreatomagmatic volcanic complex. The volcano museum was funded by a grant from the European Union. Content specialist curator

50cm globe of Io, produced by members of the ICA Commission on Planetary Cartography, displayed at the Volcano Museum in Celldömölk, Hungary | Photography Henrik Hargitai



of the exhibition was Dávid Karátson of the Eötvös Loránd University (ELTE), Budapest. The room presenting volcanism in the Solar System has two large map displays: a radar-mosaic of Venus and a topographic map of Mars, both in equirectangular projection, specifically created for the museum. Both maps have dozens of information boxes that summarize the particular feature's geological characteristics in English, German and Hungarian. The most unique map product is the 50cm diameter hand-made globe of Io, the volcanic moon of Jupiter, that was produced by Zsófia Merk and Mátyás Gede of ELTE.

**Henrik Hargitai** | Chair | ICA Commission on Planetary Cartography | *Hungary* ●

## Use and User Issues

[www.univie.ac.at/icacomuse/](http://www.univie.ac.at/icacomuse/)

### Commission Activities

In the Terms of Reference of our Commission, we have explicitly stated that we want to involve (young) PhD researchers in our activities. This is beneficial for both the work of the Commission and for the PhD candidates themselves. During the last six years, several Commission members have already graduated and I am very happy and proud to announce that recently, Kristien Ooms and Alexander Pucher, two Commission Vice-Chairs, and David Schobesberger, the manager of our online bibliography have received their doctorates. Of course, all three of them did research on use and user issues and their dissertations can be accessed through the Commission website.

Earlier this year, members of the Commission, including Muki Haklay, Artemis Skarlati-



dou, Corné van Elzakker and Zornitza Yovcheva, helped organizing and contributed to a workshop on GeoHCI in Paris, France ([geohci2013.grouplens.org/](http://geohci2013.grouplens.org/)). This was a pre-conference workshop of the annual CHI2013 Conference, organized by the Special Interest Group on Computer Human Interaction (SIGCHI) of the Association for Computing Machinery (ACM), the world's largest educational and scientific computing society). SIGCHI is the premier international community for professionals, academics, and students who are interested in Human Computer Interaction. This was demonstrated at the main CHI2013 Conference which attracted 3,378 participants. The pre-CHI2013 workshop on GeoHCI was organized by a group of representatives from the geo- (and carto-) domain and representatives of the SIGCHI community. As space and place become more and more important in many (mobile) computer applications (LBS, navigation and orientation, augmented reality, crowdsourcing, etc.), SIGCHI became more and more interested in the geo components of computer applications and a need was felt to learn more from geo experts. At the same time, in our own domain there is a growing interest for users and usability and we came to realize that we may learn from the HCI community on how people interact with computer devices and how use, user and usability research may be executed. In this regard, our Commission's contribution to the GeoHCI workshop was an excellent way of meeting one of our other Terms of Reference concerning establishing contacts with and exposing ourselves to scientists and professionals outside the domain of cartography and geographic information science. Hopefully, the GeoHCI collaboration will be a lasting one.

In the past few months much of the work of the Commission was directed towards activities related to the International Cartographic Conference in Dresden, 25-30 August 2013. We are now looking forward again to a number of interesting conference sessions on use and user issues and to the Commission meetings.

Together with the ICA Commissions on Cognitive Visualization and GeoVisualization we are organizing a very promising pre-Conference Workshop on *Eye-tracking*. This workshop will take place at TU Dresden from Friday, 23 August (12 noon) to Saturday, 24 August 2013. More information about the workshop is available from the Commission website, as well as the main ICC 2013 website (which also offers registration).

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



## Executive Committee of INCA

The Executive Committee meetings of the Indian National Cartography Association (INCA), affiliate member of the International Cartographic Association, were held in Hyderabad on 29 January and Delhi on 29 April 2013. Dr Vinay K Dadwal, President of INCA, attended both meetings.

**Amod Srivastava** | Indian National Cartographic Association | India

INCA Executive Committee meeting in Delhi, India | Photography Amod Srivastava

## cARTography: Conference, Workshop and Exhibitions

### The Conference

Cartography differs to fine arts, as the students of geodesy or geography studying cartography differ to those studying fine arts or art history. However, this division is getting weaker. Many art historians study maps and many artists use maps or engage with maps in their work. On the other hand, cartographers have once more become aware of the map structure and its cognitive basis. They again turned to aesthetics and artistic approaches for inspiration in their cartographic work. This trend received its manifestation in the formation of the ICA Commission on Art and Cartography that operates within the ICA.

In order to strengthen this relationship, the Croatian Cartographic Society, the Faculty of Geodesy and the Academy of Fine Arts of the University of Zagreb, in collaboration with the

Prof Georg Gartner, President of ICA, delivers keynote address at the *Cartography and Art – cARTography* Conference in Zagreb, Croatia | Photograph courtesy of Miljenko Lapaine



Department of Geography of the University of Zadar, organised a conference: *Cartography and Art – cARTography*. Prof Georg Gartner, President of ICA, was the guest of honour and a keynote speaker.

The Conference took place at the Faculty of Geodesy, University of Zagreb, on 15 April 2013 (birthday of Leonardo da Vinci, a versatile scientist, artist and little-known cartographer). The Conference programme included the following talks:

- *The Role of Art in Modern Cartography*, a keynote address by Prof Georg Gartner, President of the ICA
- *Elements of Art on Cartographic Representations*, by Prof Stanislav Frangeš and Dr Robert Župan, University of Zagreb
- *Compass Roses on Old Maps*, by Prof Josip Faričić, University of Zadar
- *Artistic Elements on the Map of Croatia, by Stjepan Glavač from 1673*, by Marina Rajaković, PhD student, University of Zagreb
- *Leonardo da Vinci and his Contribution to Cartography*, by Branko Puceković, PhD student, University of Zagreb
- *Map Projection of the World Map by Leonardo da Vinci*, by Prof Miljenko Lapaine, President of the Croatian Cartographic Society and Chair of the ICA Commission on Map Projections

### Results of 2013 Children's Map Competition

The 2013 Children's Map Competition in Croatia was organized by the Croatian Cartographic Society. The Society received 171 children's drawings from 32 education providers, including kindergartens, elementary and high schools. The event started with acknowledgement of all participants that took part in this year's competition themed *My Place in Today's World*. A jury consisting of Dr Ivka Kljajić, Prof Miljenko Lapaine and Ana Kuveždić Divjak from the Faculty of Geodesy of the University of Zagreb and Assoc Prof Ines Krasić

and Igor Čabraja from the Academy of Fine Arts of the University of Zagreb selected six drawings to represent Croatia at the Barbara Petchenik Children's World Map exhibition during ICC 2013. In addition, the jury decided to acknowledge ten additional drawings (for more information, visit [www.kartografija.hr](http://www.kartografija.hr)).

### The Workshop

Cartography is primarily concerned with representing known and surveyed parts of the Earth. If one needs to represent unknown areas, human imagination starts to influence the representation and can often resort to a free 'artistic' expression. Examples of such representations on old maps include angels, ocean edge at the end of the Earth, sea monsters, lost lands, as well as imagined undiscovered areas.

The theme of the workshop organised by the Croatian Cartographic Society was *Maps of Undiscovered Areas of Earth*. Workshop participants, mainly pupils and students inspired by maps, were asked to draw imagined or even known areas of the Earth in a way they would like them to look like.

24 pupils from Petar Zrinski Elementary School in Zagreb and their art teacher Petra Kriletić, as well as ten pupils from the Centar Elementary School in Pula and their art teacher Goran Grofelnik participated in the workshop. In addition, five students from the Department of Teaching of the Academy of Fine Arts, University of Zagreb and their mentors Sonja Vuk, (responsible for methodical part of the workshop), Gordana Bakić Vlahov and Ines Krasić (artistic and practical part of the workshop) also participated in the workshop.

For more information, please visit our website at [www.kartografija.hr](http://www.kartografija.hr).

### The Exhibitions

On 15 April 2013, the gallery of the Faculty of Geodesy in Zagreb hosted the *KARTe mARTeK*



art exhibition by Croatian artist Vlado Martek. His works of art, paintings and graphics were inspired by maps and each of them has its own message. His most typical cartographic procedure is renaming toponyms. Of course, this renaming is associated with stories, insights and various contexts.

Another exhibition was set in the Auditorium of the Faculties of Architecture, Geodesy and Civil Engineering, University of Zagreb. It displayed a sculpture *Atlas Globalization* by Croatian artist Marin Marinić. The sculpture represents author's attitude towards globalization, which in his opinion, is damaging and dangerous for humanity.

**Miljenko Lapaine** | Croatian Cartographic Society | Croatia ●

## Doctor Honoris Causa for Prof Ferjan Ormeling

Dr Ferjan Ormeling, recipient of the ICA Carl Mannerfelt Gold Medal, former Secretary General and Treasurer of the ICA (1999-2007), and Professor Emeritus of the Utrecht University in the Netherlands, received special recognition from the Eötvös Loránd University (ELTE) in Budapest on 10 May 2013.

Following a nomination by the Department of Cartography and Geoinformatics and the Faculty of Informatics, the Senate of Eötvös Loránd University decided to confer the degree of *Doctor et Professor Honoris Causa* on Ferjan Ormeling. According to the laudation, Prof Ferjan Ormeling is a worthy recipient of the highest recognition of the University for his contribution as a school-founder and for his internationally outstanding scientific results.

Just like his father, Professor Ormeling built contacts with Hungarian cartographers. He came to Budapest in 1971 for the first time, when he visited the Department of Cartography at ELTE. He soon became a friend of Prof István Klinghammer, who later became Head of Department, and invited him to join the ICA

Prof Ferjan Ormeling (left) receives *Doctor Honoris Causa* diploma from Prof Barna Mezey, Rector of the Eötvös Loránd University in Budapest, Hungary | *Photography László Zentai*



Commission on Education. Ormeling has been in contact with ELTE ever since, for more than forty years. Thanks to his support, many leading international cartographers held their Commission meetings in Hungary in 1983, 1993 and 2003. Prof László Zentai, current Head of the Department of Cartography and Geoinformatics, developed his international contacts based on these meetings. Since 2000, Professor Ormeling visits his Hungarian colleagues at ELTE almost every year. During his visits he delivers seminars, lectures and PhD courses. Again thanks to his mentoring, several Hungarian cartographers became heavily involved in the works of the International Cartographic Association.

**László Zentai** | Eötvös Loránd University | Hungary ●

## Don Pearce Appointed President of MSIA



Don Pearce has been appointed a new President of the Mapping Sciences Institute Australia (MSIA), formerly the Australian Institute of Cartographers (AIC), the national member of the ICA.

In 1964, the AIC took an historic step and joined the International Cartographic Association (ICA) which had a membership at this time of 64 countries. In the 1970's the ICA was suggesting that Australia should lodge a bid to hold a Conference and General Assembly in 1980 or 1984. Eventually in 1978, the AIC decided to prepare a submission but first, decide in which State to hold it. Western Australia was the choice and Don Pearce was appointed to prepare the bid and if successful, to be the Conference Chairman.

The year 1984 was chosen and Don began a campaign to promote the Conference and get support for when the bid was lodged at the Tokyo Conference and General Assembly in 1980. The bid was successful and with a great team in Perth the AIC produced what was then the best ever ICA Conference with a record number of delegates (981) and accompanying persons (134), and became the model for ICA conferences for many years.

At the General Assembly in Perth, Don was surprisingly appointed the ICA's Secretary General and Treasurer as it had always been someone from Europe.

Don was also able to encourage the ICA to become a technical member of the United Nations, to invite the major Mapping Agencies

to become associate members of the ICA as happened with companies in Australia with the AIC. Don was also part of the move to set up the International Union of Surveying and Mapping (IUSM) bringing together the International Societies of Surveying (FIG), Photogrammetry (ISPS), Hydrography (IHO) Geography (IGU) to meet once a year to discuss common issues and was a Board Member.

The MSIA welcomes Don back to an active role in the Institute and looks forward to the new initiatives he will bring, based on a wealth of past experiences at the local and international level.

**David Fraser** | Mapping Sciences Institute Australia | Australia ●

## Prof Benjamin Cohen Honoured at UACEG



On 1 March 2013 colleagues from the Faculty of Geodesy at the University of Architecture, Civil Engineering and Geodesy (UACEG) and the Bulgarian Cartographic Association honoured the memory of

Professor Benjamin Cohen (1930-2003). A commemorative plaque was revealed by colleagues from the Department of Photogrammetry and Cartography, UACEG, followed by a presentation of a report about his life and work. Many colleagues in the cartographic and geodetic guild of Bulgaria shared their memories of him. Prof Milan Konečný gave a short speech on behalf of the International Cartographic Association. Prof Cohen's family also participated in the ceremony.

Raymond Benjamin Cohen was born on 5 May 1930 in the town of Vidin in north-west Bulgaria. He graduated in 1948 and then pursued further education in the fields of geodesy, photogrammetry and cartography in 1953 in Sofia.

Prof Cohen won a competition for the position of researcher in cartography in 1958 and worked for the Research Institute of the Ministry of Public Works and Roads, and from 1960 for the Central Laboratory of Geodesy, Bulgarian Academy of Science. In 1978 he became Associate Professor and in 1985 Professor of Cartography at the UACEG. He was Head of the Department of Photogrammetry and Cartography, UACEG for two terms.

Prof Cohen was one of four engineers that started the post-war civil mapping in Bulgaria between 1952-1953, and author and editor of

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# reports

## cartographic meetings and events cont...

dozens of maps and atlases. He was an initiator and author of numerous professional publications. Throughout his life, Prof Cohen was awarded many medals, anniversary badges and diplomas.

Between 1973-1974, Prof Cohen worked as a United Nations expert on cartography in Somalia. During this mission, he provided the first base mapping in the history of Somalia Census and completed maps of the largest Somali cities.

Prof Cohen has published over 300 articles, reports and monographs. He represented Bulgarian cartographers at the 3rd General Assembly of the ICA in 1968 in New Delhi, India when Bulgaria became a member country, and actively participated in several scientific meetings of ICA and other international and regional cartographic events in Moscow, Stresa (Italy), Warsaw, Tokyo, Budapest, Prague, Bratislava, Brno, Ottawa, Fredericton (Canada), Bucharest, Berlin, Belgrade, Leningrad, Irkutsk, Novosibirsk, Dresden, Düsseldorf, Potsdam, Haifa, Tel Aviv, Dubrovnik and other locations.

Prof Cohen contributed to several ICA specialized projects, such as *International Multilingual Dictionary of Mapping*, and Commissions: Mapping for the Blind and Visually Impaired, Urban Mapping, Theoretical Cartography and others. In 1998, he organized the first *International E-mail Seminar on Cartography* with distinguished cartographers from America, Australia and Europe participating in four successful sessions.

The Laboratory on Cartography at UACEG was named after Professor Benjamin Cohen in his honour and reverence for all that he gave to the University of Architecture, Civil Engineering and Geodesy. Thanks to his efforts Bulgarian cartography is very much alive and successful at the highest international level.

**Temenoujka Bandrova** | Bulgarian Cartographic Association | *Bulgaria* ●

## István Klinghammer Appointed Hungarian State Secretary



István Klinghammer (72), Honorary Fellow of the International Cartographic Association, was appointed State Secretary for Higher Education in the Hungarian government. The Secretariat

promotes national and universal culture and science, as well as the preservation, development and dissemination of values in higher education. István Klinghammer is Professor Emeritus of Eötvös Loránd University, former Head of the Department of Cartography and Geoinformatics (1997-2005) and former Rector of the University (2000-2006).

**László Zentai** | Eötvös Loránd University | *Hungary* ●

### Correction

The Editor regrets that the authorship of the *Open Source GIS and WebMapping Workshop* report published in *ICA News* No 59, December 2012, page 22, has been incorrectly attributed. The report was written by **Barend Köbben** from ITC – University of Twente, The Netherlands. We apologise for this error. The online version of *ICA News* has already been corrected.

# calendar

## august 2013

22-23: ICA Commission on the History of Cartography, ICA Commission on Atlases and Joint ICA Working Group / IGU Commission on Toponymy Joint Workshop | *Historical Maps, Atlases and Toponymy* | Leipzig | *Germany*

22-24: ICA Commission on Maps and the Internet Meeting | *Historical Maps, Atlases and Toponymy* | Plzen | *Czech Republic* | [gis.zcu.cz/kartografie/ICA\\_Commission\\_Meeting/](http://gis.zcu.cz/kartografie/ICA_Commission_Meeting/)

23: ICA Commission on Cartography and Children, ICA Commission on Maps and Graphics for Blind and Partially Sighted People, ICA Commission on Education and Training and ICA Commission on Planetary Cartography Joint Workshop | *Sharing Knowledge* | Dresden | *Germany* | [lazarus.elte.hu/jointsymposium2013/](http://lazarus.elte.hu/jointsymposium2013/)

23-24: ICA Commission on Cognitive Visualization, ICA Commissions on GeoVisualization and ICA Commissions on Use and User Issues Joint Workshop | *Eye Tracking: Why, When, and How?* | Dresden | *Germany* | [www.geo.uzh.ch/microsite/icacogvis/activities.html](http://www.geo.uzh.ch/microsite/icacogvis/activities.html)

23-24: ICA Commission on Generalisation and Multiple Representation and ICA Commission on Map Production and Geo-Business Joint Workshop | Dresden | *Germany* | [generalisation.icaci.org/index.php/activities/12-next-events-details/43-commission-workshop-2013-general](http://generalisation.icaci.org/index.php/activities/12-next-events-details/43-commission-workshop-2013-general)

23-24: ICA Commission on Geospatial Analysis and Modeling Workshop | *Street Networks and Transport* | Dresden | *Germany* | [sites.google.com/site/icaworkshop2013/](http://sites.google.com/site/icaworkshop2013/)

24: ICA Commission on Map Design and ICA Commission on Neocartography | *Mapping in a Digital World* | Dresden | *Germany* | [neocartography.icaci.org/2013/05/mapping-in-a-digital-world-ica-pre-conf-workshop-sat-aug-24th/](http://neocartography.icaci.org/2013/05/mapping-in-a-digital-world-ica-pre-conf-workshop-sat-aug-24th/)

25: ICA Commission on Art and Cartography Street Game Activity | Dresden | *Germany*

25-30: 26th International Cartographic Conference | *From Pole to Pole* | Dresden | *Germany* | [www.icc2013.org/](http://www.icc2013.org/)

## september

04-06: UAV-g 2013 : Unmanned Aerial Vehicles in Geomatics Conference | Rostock | *Germany* | [www.uav-g.org/](http://www.uav-g.org/)

19-20: 8th International Workshop of ICA Commission on Digital Technologies in Cartographic Heritage | *Digital Approaches to Cartographic Heritage* | Rome | *Italy* | [xeee.web.auth.gr/ICA-Heritage/2011\\_2015/Roma2013/](http://xeee.web.auth.gr/ICA-Heritage/2011_2015/Roma2013/)

23-25: Geomatics Atlantic 2013 | Saint John, New Brunswick | *Canada* | [geoatlantic.org/](http://geoatlantic.org/)



**26<sup>th</sup> INTERNATIONAL CARTOGRAPHIC CONFERENCE**  
August 25-30, 2013 | Dresden, Germany



[www.icc2013.org](http://www.icc2013.org)



## september 2013

24-25: LADM 2013 : 5th International Land Administration Domain Model Workshop | Kuala Lumpur | *Malaysia* | [wiki.tudelft.nl/bin/view/Research/ISO19152/LADM-2013Workshop/](http://wiki.tudelft.nl/bin/view/Research/ISO19152/LADM-2013Workshop/)

## october

03-04: Géomatique/Geomatics 2013 Symposium | Montreal, Quebec | *Canada* | [www.geomatique2013.com/](http://www.geomatique2013.com/)

09-11: GiT4NDM 2013 : 5th International Conference on Geoinformation Technologies for Natural Disaster Management | *Save the Earth with Informed Solutions* | Mississauga, Ontario | *Canada* | [www.widm.igrdg.com/5thGiT4NDM.php](http://www.widm.igrdg.com/5thGiT4NDM.php)

## november

04-08: AfricaGIS 2013 and GSDI 14 Global Geospatial Conference | *Spatial Enablement in Support of Economic Development and Poverty Reduction* | Addis Ababa | *Ethiopia* | [www.gsdi.org/gsdiconf/gsd14/](http://www.gsdi.org/gsdiconf/gsd14/)

06-08: URISA Caribbean Chapter's Regional Workshop | *Sint Maarten*

21-22: LBS2013 : 10th Symposium on Location Based Services | *Save the Earth with Informed Solutions* | Shanghai | *China* | [www.lbs2013.org/](http://www.lbs2013.org/)

## december 2013

05-06: ISPRS/IGU/ICA Joint Workshop on Borderlands Modeling and Understanding for Global Sustainability | Beijing | *China* | [geo.english.bnu.edu.cn/newsphotos/53301.html](http://geo.english.bnu.edu.cn/newsphotos/53301.html)

## april 2014

22-26: 9th Mountain Cartography Workshop | *Mapping and Mountain Parks* | Banff, Alberta | *Canada* | [www.mountaincartography.org/](http://www.mountaincartography.org/)

## june 2014

16-20: 5th Jubilee International Conference on Cartography & GIS | Riviera | *Bulgaria* | [www.iccgis2014.cartography-gis.com](http://www.iccgis2014.cartography-gis.com)

## august 2015

23-28: 27th International Cartographic Conference | Rio de Janeiro | *Brazil* | [www.icc2015.org/](http://www.icc2015.org/)

# ica affiliate members

Association of Polish Cartographers | *Poland* | [www.polishcartography.pl](http://www.polishcartography.pl)  
Attn: Dr Ing Joanna Bac-Bronowicz | [joanna.bac-bronowicz@up.wroc.pl](mailto:joanna.bac-bronowicz@up.wroc.pl)

Bundesamt für Kartographie und Geodäsie | *Germany* | [www.bkg.bund.de](http://www.bkg.bund.de)  
Attn: Prof Dr Ing Hansjörg Kutterer | [hansjoerg.kutterer@bkg.bund.de](mailto:hansjoerg.kutterer@bkg.bund.de)

Centro Argentino de Cartografía | *Argentina* | [www.centroargentinodecartografia.org](http://www.centroargentinodecartografia.org)  
Attn: Prof Carmen Alicia Rey | [cac@centroargentinodecartografia.org](mailto:cac@centroargentinodecartografia.org)

Chinese Cartographic Association (Chinese Taipei) | *Taiwan-China* | [www.ccartoa.org.tw](http://www.ccartoa.org.tw)  
Attn: Dr David Ding | [davidyding@gmail.com](mailto:davidyding@gmail.com)

Dubai Municipality | *United Arab Emirates* | [www.dm.gov.ae](http://www.dm.gov.ae)  
Attn: Ali Mohammed Alameri | [aamalik@dm.gov.ae](mailto:aamalik@dm.gov.ae)

East View Geospatial | *United States of America* | [www.geospatial.com](http://www.geospatial.com)  
Attn: Kent Lee | [matthew.tanaka@cartographic.com](mailto:matthew.tanaka@cartographic.com)

Eko-Graf Cartographic Publishing House | *Poland* | [www.ekograf.pl](http://www.ekograf.pl)  
Attn: Roman Janusiewicz | [ekograf@ekograf.pl](mailto:ekograf@ekograf.pl)

Esri | *United States of America* | [www.esri.com](http://www.esri.com)  
Attn: Mark Cygan | [mcygan@esri.com](mailto:mcygan@esri.com)

Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente | *The Netherlands* | [www.itc.nl](http://www.itc.nl)  
Attn: Corné van Elzakker | [elzakker@itc.nl](mailto:elzakker@itc.nl)

Faculty of Information Engineering, China University of Geosciences | *China* | [www.cug.edu.cn/](http://www.cug.edu.cn/)  
Attn: Assoc Prof Weihua Lin | [lwhcug@163.com](mailto:lwhcug@163.com)

Geospatial Information Authority of Japan | *Japan* | [www.gsi.go.jp](http://www.gsi.go.jp)  
Attn: Secretariat of ISCGM | [sec@iscgm.org](mailto:sec@iscgm.org)

GeoTechVision Enterprise Limited | *Jamaica* | [www.techvisionenterprise.com](http://www.techvisionenterprise.com)  
Attn: Valrie Grant | [valrie@techvisionenterprise.com](mailto:valrie@techvisionenterprise.com)

Indian National Cartographic Association (INCA) | *India* | [www.incaindia.org](http://www.incaindia.org)  
Attn: Shri Rabindranath Nanda | [secretarygeneralinca935@gmail.com](mailto:secretarygeneralinca935@gmail.com)

Institut Cartogràfic de Catalunya | *Spain* | [www.icc.es](http://www.icc.es)  
Attn: Jaume Miranda i Canals | [miranda@icc.es](mailto:miranda@icc.es)

Institut Géographique National | *France* | [www.ign.fr](http://www.ign.fr)  
Attn: Jean-Philippe Lagrange | [jean-philippe.lagrange@ign.fr](mailto:jean-philippe.lagrange@ign.fr)

Instituto Geográfico Nacional España | *Spain* | [www.ign.es](http://www.ign.es)  
Attn: Sebastian Mas Mayoral | [smas@fomento.es](mailto:smas@fomento.es)

Intergraph | *United States of America* | [www.intergraph.com](http://www.intergraph.com)  
Attn: Vince Smith | [vince.smith@intergraph.com](mailto:vince.smith@intergraph.com)

Land Information New Zealand | *New Zealand* | [www.lin.govt.nz](http://www.lin.govt.nz)  
Attn: Chris Kinzett | [media@lin.govt.nz](mailto:media@lin.govt.nz)

Moscow State University of Geodesy and Cartography | *Russia* | [www.miigaik.ru](http://www.miigaik.ru)  
Attn: Prof Vasily A Malinnikov | [lgm@miigaik.ru](mailto:lgm@miigaik.ru)

National Hydrographic Office | *India* | [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)  
Attn: Rear Admiral SK Jha, NM | [ia-inho-navy@nic.in](mailto:ia-inho-navy@nic.in)

National Land Survey of Finland | *Finland* | [www.nls.fi](http://www.nls.fi)  
Attn: Heli Ursin | [heli.ursin@nls.fi](mailto:heli.ursin@nls.fi)

Navionics Hydrographer | *Italy* | [www.navionics.com](http://www.navionics.com)  
Attn: Francesco Pezzana | [pezzana@navionics.it](mailto:pezzana@navionics.it)

Ordnance Survey | *United Kingdom* | [www.ordnancesurvey.co.uk](http://www.ordnancesurvey.co.uk)  
Attn: Paul Naylor | [paul.naylor@ordnancesurvey.co.uk](mailto:paul.naylor@ordnancesurvey.co.uk)

Polskie Przedsiębiorstwo Wydawnictw Kartograficznych (PPWK) | *Poland* | [www.ppwk.pl](http://www.ppwk.pl)  
Attn: Dr Beata Konopska | [copernicus@ppwk.pl](mailto:copernicus@ppwk.pl)

Regional Centre for Mapping of Resources for Development (RCMRD) | *Kenya* | [www.rcmrd.org](http://www.rcmrd.org)  
Attn: Dr Hussein O Farah | [rcmrd@rcmrd.org](mailto:rcmrd@rcmrd.org)

Regional Centre for Training in Aerospace Surveys (Rectas) | *Nigeria* | [www.rectas.org](http://www.rectas.org)  
Attn: Prof Isi Ikhuoria | [rectas@oauife.edu.ng](mailto:rectas@oauife.edu.ng)

SuperMap Software | *China* | [www.supermap.com](http://www.supermap.com)  
Attn: Li Ni | [lini@supermap.com](mailto:lini@supermap.com)

Surveying and Spatial Sciences Institute (SSSI) | *Australia* | [www.sssi.org.au](http://www.sssi.org.au)  
Attn: Penny Baldock | [chair.sicc@sssi.org.au](mailto:chair.sicc@sssi.org.au)

UNIGIS International Association | *Austria* | [www.unigis.net](http://www.unigis.net)  
Attn: Josef Strobl | [josef.strobl@sbg.ac.at](mailto:josef.strobl@sbg.ac.at)

Union of Chambers of Turkish Engineers and Architects, Chamber of Surveying and Cadastre Engineers (UCTEA-CSCE) | *Turkey* | [www.hkmo.org.tr](http://www.hkmo.org.tr)  
Attn: Prof Dr Necla Uluğtekin | [hkmo@hkmo.org.tr](mailto:hkmo@hkmo.org.tr)

United Nations Cartographic Section | *United Nations* | [www.un.org/depts/cartographic/english/htmain.htm](http://www.un.org/depts/cartographic/english/htmain.htm)  
Attn: Ayako Kagawa | [kagawa@un.org](mailto:kagawa@un.org)

United States Geological Survey | *United States of America* | [cegis.usgs.gov](http://cegis.usgs.gov)  
Attn: Lynn Usery | [usery@usgs.gov](mailto:usery@usgs.gov)

University of Architecture, Civil Engineering and Geodesy, Department of Photogrammetry and Cartography | *Bulgaria* | [www.uacg.bg](http://www.uacg.bg)  
Attn: Assoc Prof Peter Penev | [ppenev@gmail.com](mailto:ppenev@gmail.com)

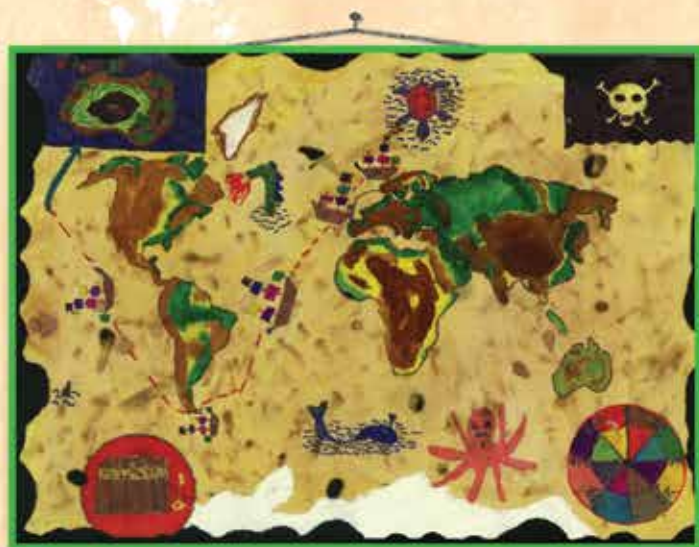
University of Balamand | *Lebanon* | [www.balamand.edu.lb/english/GIS.asp](http://www.balamand.edu.lb/english/GIS.asp)  
Attn: Prof Oussama Jadayel | [info@balamand.edu.lb](mailto:info@balamand.edu.lb)

Wuda Geoinformatics | *China* | [www.geostar.com.cn/](http://www.geostar.com.cn/)  
Attn: Song Aihong | [songaihong@geostar.com.cn](mailto:songaihong@geostar.com.cn)

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

László Zentai | Secretary General & Treasurer | *ICA* | [sg@icaci.org](mailto:sg@icaci.org) ●

# children's map gallery 1999 participants



Zsolt Kapitány |  
11 | *Pirate-world* |  
Elementary School:  
Debrecen Eotvos |  
Hungary

Ikuko Hara | 13 | *National Flags of  
the World* | Nishidai jh: Itabashi-ku,  
Tokyo | Japan

Fani Nomidou-Koukoutsis | 8 |  
*Ice Cream Special* | Serres |  
Greece

Jenny Cardiff |  
11 | *Our World* |  
Villa Devoto School:  
Buenos Aires |  
Argentina

Anne Ramey | 6 | *The Earth* | Henry  
Kelsey: Saskatoon, Saskatchewan |  
Canada

