



president's report



Dear Colleagues

Maps and cartographic forms of expression are currently gaining popularity. This is evident, for example, from the enormous number of map-based applications on the Internet and mobile Internet. Maps, serving as interfaces to abundant information systems and representations of spatially-related data, are offered ubiquitously, either through their application as mobile input and output devices or on the Internet.

Although the number and usage of cartographic presentations has increased, many of these popular applications arise partly without

considering the principles of cartographic theories and methods. Therefore, modern cartography is characterised by ambivalence between the popularity of applications driven by new technologies and the role of traditional cartography.

The International Cartographic Association (ICA), as a global and internationally recognised organization, has a unique role to play in promoting the development of Cartography and Geographic Information (GI) Science especially in the current dynamic environment. ICA's research and development generally aims at creating theory and methodologies for Cartography and GI handling, and addressing all the challenges arisen by the application of new technologies for cartographic tasks. By applying theories and methods to various applications,

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ica news past editors : part 1

roger anson and bernard gutsell

Editing the *ICA Newsletter* 1983–1994

The concept of an *ICA Newsletter* was originally conceived at the Sixth General Assembly of the International Cartographic Association (ICA), held in Tokyo in 1980. Prior to this, since 1964, the Association's information had appeared in the infrequently published *Bulletin of the International Geographical Union*. However the Executive Committee realised that this did not serve as an adequate cartographic news medium and, in consequence, decided that a separate, independent and dedicated publication was required.

Realisation of this project was delayed for a variety of reasons. The idea resurfaced again in 1981, when Bernard Gutsell, the Canadian member of the ICA Publications Committee (PC) and Editor of the highly respected journal *Cartographica*, made a proposal during a PC meeting held at the Royal Society in London. He agreed to be involved in this new venture, with the support of the University of Toronto Press, provided that I would work in tandem with him! At the time I was the chairman designate of the PC.

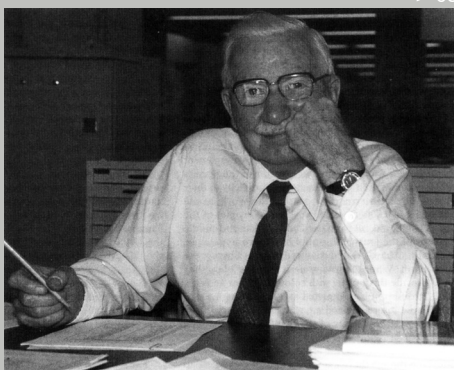
This arrangement worked well, with Bernard handling all the page-make-up work, overseeing printing production, and the dissemination of completed copies. These were sent to the National

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Roger W Anson (left)
at the ICC 1995 in
Barcelona, Spain
| Photography
Christopher Board

Bernard V Gutsell
(right) in the Map
Library at Queen's
University, Kingston,
Canada, October 1987
| Photography Ed
Dahl; reproduced from
Cartographica, Vol 34,
No 6, 1997, p 6



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Norway has a considerable programme of producing
marine charts and maps for Norwegian territorial
waters as well as Arctic and Antarctic maritime areas
| Illustration by Norwegian Mapping Authority



Going through the cartographic calendar and reading reports I am constantly amazed at the number of cartographic events organised worldwide every year, every month, almost every day. I am also aware that many cartographic workshops, conferences, seminars and meetings are not reported on and therefore hard to appreciate and quantify. Even a quick calculation of reports from ICA Commissions and cartographic events published in the *ICA Newsletter* between 1983 and 1994 amounts to 250 (see table on p 5). That's almost one event in every fortnight!

Many of us had the opportunity to help organise several national and international conferences, workshops and seminars at various levels of involvement, from volunteers to the Conference Director. We know firsthand how much work is involved, how many enquiries need to be answered and how many long nights this all takes. We find ourselves intimately connected with and absorbed by the event itself, and afterwards we immediately know what worked and what didn't. But what is it that actually drives many of us to organise these meetings? I am sure that prestige is not the answer, nor is the prospect of economic gain. None of us like to be tired and face the prospect of going through a mountain of paper work to consolidate the accounts and wrap up the meeting. So, what is it?

For me it is the people, fellow cartographers that come to the registration desk, rush through the door to hear the first keynote address or gather in groups to talk about a paper session they have just attended. It is the people that share a drink together at the ice breaker reception, enjoy a meal at a conference dinner and catch up with friends they haven't seen in a while. For me it is the smile of an attendee, a pat on a shoulder and a nod of quiet appreciation... It is also my response to a call for offering my best at facilitating a meeting to celebrate cartography, so those that attend leave the meeting enriched, motivated, enlightened and valued.

In this issue we focus on celebrating ICA heritage by looking back at the contribution of Ferdinand Jan Ormeling – “Mr ICA” and the story of Roger Anson and Bernard Gutsell, first editors of the *ICA Newsletter*.

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...

new tools can be created for cartographic and GI practice.

One of the main instruments of ICA in this respect is the Research Agenda. It was produced in order to show ICA's actual and potential contribution to scientific research within our global society, and to serve as a moderator for discussions in that forum. In order to implement its own strategic mission, *“to ensure that geospatial information is employed to maximum effect for the benefit of science and society”* (ICA Strategic Plan, 2011), the scope of the Agenda is wide ranging and include both Cartographic and GI Science issues. ICA would like to see the Agenda as a dynamic document, as new topics might come up while others might lose their importance in the future. Vice President Menno-Jan Kraak is managing of the further development of this important document and will be happy to take suggestions on board. Please refer to icaci.org/research-agenda/introduction/ for the full document and share with us your comments!

Memoranda of Understanding

One of the key instruments ICA uses for fostering cooperation and identifying potential areas of mutual interest with related domains and their representative organisations are Memoranda of Understanding (MoU). ICA has a number of MoU's in place (see icaci.org/memoranda-of-understanding/) and recently signed two further MoU's.

The MoU with OpenSource Geospatial Foundation (OSGeo) links our community with the world of open source geospatial software. It aims to provide expertise and support for the establishment of Open Source Geospatial

Laboratories and Research Centres across the world for supporting development of open-source geospatial software technologies, training and expertise. In the first phase, laboratories are currently being established by the initiative of the ICA Commission on Open Source Geospatial Technologies chaired by Dr Suchith Anand. This MoU also aims to provide support for building-up and developing open source teaching and training materials, joint organization of open source GIS events and walk-in workshops, as recently delivered by Dr Barend Köbben at the AGILE Conference in Avignon, France. The MoU with OSGeo is an important part of the “big picture”, as I see the International Cartographic Association being committed to supporting society and governments by facilitating initiatives and programmes that establish and grow the capacity to deliver timely, comprehensive and useful geospatial information. Open Source Geospatial Data and Software play an increasingly important role in this context.

The MoU with the International Hydrographic Organization (IHO) links our organization with the world of hydrographic offices, nautical charts and hydrographic surveys. In many ways the technologies, methods and theories being used in Hydrography are very similar to those being used in Cartography and GI Science. Charts play an important role for mariners. The safety of navigating ships is clearly dependent on the availability of reliable spatial information and their presentation in an efficient way. The MoU reinforces this and especially foster the mutual benefit of cooperating in three ways:

- Digital information portrayal
- Further development of standards
- Outreach and capacity building

ICA President Georg Gartner (*second from right*) meets representatives of the ICC 2015 Local Organizing Committee in Rio de Janeiro, Brazil | *Photograph courtesy of Georg Gartner*



president's report cont...

Let me encourage all ICA colleagues to respond to this opportunity and actively engage in a mutual collaboration. IHO and ICA have much in common and I would like to see the 'terrestrial' cartographers working closely with our 'marine' colleagues.

International Cartographic Conferences

Quite some effort was taken to review and plan for our next International Cartographic Conferences (ICC). Based on various reports and experiences from former ICC's, the Executive Committee is working on new policies concerning running ICC's, which might be of help to future organizers, especially in planning the event, and to potential participants in understanding what to expect. In close collaboration with Professor Manfred Buchroithner, Chair of the ICC 2013 Local Organizing Committee, the arrangements for the upcoming conference in Dresden, Germany have been discussed. It is obviously a big opportunity for any country to host the ICC, as this allows showcasing products, ideas and excellence in cartography and GI science. It is also clear that even in a big country like Germany, the commitment of all key players, from the national mapping and geospatial organizations to private companies, universities and local authorities, is a key to success of any conference. The ICA community is looking forward to the ICC 2013 in Dresden. Please visit www.icc2013.org and mark your calendar! Expect prominent keynote speakers, innovative programmes, excellent technical sessions and a charming social events in a perfect environment!

The ICC 2015 will take place in Rio de Janeiro, Brazil. The Brazilian Cartographic Society is already working to ensure that this event will be a highlight. ICA feels well 'positioned' in Rio de Janeiro, a host city to the Soccer World Cup 2014 and the Summer Olympic Games 2016. By visiting the Federal University at Rio de Janeiro and participating at the 4th Brazilian Symposium on Geodetic Sciences and Geoinformation Technologies, I was not only able to talk to the key members of the Local Organizing Committee, including ICA Vice President Paulo de Menezes, but also to get an idea about the potential venue for the gala dinner, right in front of the Sugar Loaf.

The call for organizing ICC 2017 resulted in six applications from Prague (Czech Republic), Dublin (Republic of Ireland), Florence (Italy), Ljubljana (Slovenia), Valencia (Spain) and Washington, DC (USA). The Executive Committee at its recent meeting in June 2012 decided to award Washington, DC with the task of organising the 28th International Cartographic Conference in 2017 (see page 5 for announcement).

Commissions

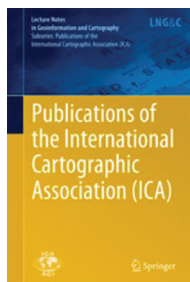
Most ICA Commissions are working ambitiously to meet their Terms of References approved at

the 15th General Assembly in Paris. Let me simply highlight a few recent activities of some Commissions to demonstrate the enormous capacity of ICA:

- Workshop on Cartography and Narratives in Zurich: Commission on Art and Cartography
- Preparation of the Barbara Petchenik Competition 2013: Commission on Cartography and Children
- Session on Cognition, Behaviour, Representation at the AAG Meeting in New York: Commission on Cognitive Visualization
- 7th Workshop on Digital Approaches to Cartographic Heritage in Barcelona: Commission on Digital Technologies for Cartographic Heritage
- Regular Newsletter: Commission on Education and Training

In addition, many upcoming events of ICA Commissions are listed in the Calendar section on page 19. This brief selection of the exciting and wide ranging activities of our Commissions clearly demonstrates why we call them the "powerhouse" of the ICA! I invite all of you to check regularly what the Commissions are doing and encourage you to stay connected and get involved!

Publications



ICA has signed a contract with Springer-Verlag for its own book series within the *Lecture Notes of Geoinformation and Cartography*. So far four books have been published in the ICA series: selection of papers from the ICC 2011 in

Paris edited by Vice President Anne Ruas (two volumes), a book on the History of Cartography edited by Elri Liebenberg and a selection of contributions to the pre-ICC 2011 symposium in Orleans edited by László Zentai and Jesús Reyes Nuñez. A further two titles are planned in the near future.

Every month, *GIM International* offers the opportunity for ICA to contribute a column. Dr

David Fairbairn, former Secretary General, is the editor of this column on behalf of the ICA. Apart from current topics this is also our opportunity, for example, to highlight activities of a particular ICA Commission and therefore distribute information about ICA to a wider audience.

The close cooperation with our affiliate journals: *The Cartographic Journal*, *Cartography and Geographic Information Science* and *Cartographica* is important to ICA and has proven to be very successful. The Executive Committee, in close collaboration with the journals' Editors, is evaluating ways of strengthening this cooperation further, as the availability of high quality cartographic journals is the key, particularly for academic community.

Executive Committee

The Executive Committee decided to have regular meetings twice a year. The main aims of this EC have been briefly announced at the Closing Ceremony of the ICC 2011 and at the joint EC and Commission Chairs Meeting in Vienna in November 2011. They include the execution of the Strategic Plan, a further development of the ICA into a modern international organisation and strengthening of the key instruments of ICA.

The EC considers itself as a body serving this organisation and is keen on receiving your input, ideas and requests on any issue related to Cartography and the ICA.

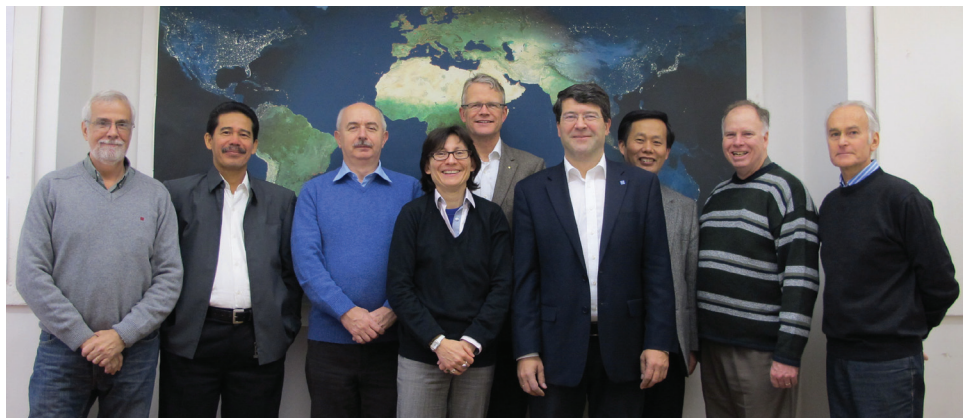
Representing ICA

On 13 January 2012, I participated in an event to celebrate the 80th birthday of the ICA Honorary Member Professor Ulrich Freitag (see photograph on p 4), who was always professionally committed to the ICA and cartography. The event took place in the Staatsbibliothek zu Berlin, Germany and brought together colleagues and students of Prof Freitag.

Between 26-28 March 2012 I attended the GeoTunis 2012 Conference in Tunis. The lively and active community of cartographers and GI scientists from primarily Arab countries is not yet that well connected with the ICA.

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ICA Executive Committee 2011-2015: (from left) Paulo de Menezes, Sukendra Martha, László Zentai, Anne Ruas, Menno-Jan Kraak, Georg Gartner, Yaolin Liu, Tim Trainor and William Cartwright; absent Derek Clarke | Photograph courtesy of Georg Gartner



Dresden is getting ready!



In 2008, the ICA Executive Committee awarded Dresden, Germany to play host

to the 26th International Cartographic Conference in 2013. Germany, and Dresden in particular – a comparatively small city of only 525,000 inhabitants – take this honour not only as a sign of a global appreciation for German Cartography, but also for its academic reputation. Besides Moscow (Russia), Wuhan (China) and Bangalore (India), Dresden is one of only four places world-wide where Cartography can be studied in an independent university curriculum.

The Local Organizing Committee, acting on behalf of the German Society of Cartography (DGfK) and chaired by Prof Manfred F Buchroithner, is already in the middle of their preparatory work for ICC 2013. The pre- and post-conference activities by the ICA Commissions are already planned and the first technical and scientific visits are being organised. The “handscapes” art exhibition (maps painted on cartographers’ palms) by an internationally renowned artist is in preparation, as well as numerous events to attract the public. Daily keynote addresses are scheduled to attract participants to the early morning sessions. Over the last two days of the ICC 2013, the Annual German Cartographic Conference will take place at the same venue, offering the opportunity for mutual exchange about German and global disciplinary issues.

Please do not forget tourist highlights and attractions of *Florence of the North* (www.dresden.de). Apart from invaluable art treasures, the nearby Saxon Switzerland (Saechsische Schweiz) National Park boasts a unique landscape of sandstone spires and cliffs amidst pristine forests, reaching high above the picturesque Elbe Valley (www.nationalpark-saechsische-schweiz.de/red1/). Day-trips to the German capital Berlin, Prague in the Czech Republic or nearby Wrocław in Poland can easily be arranged prior to or after the Conference.

So, if you are looking for a strong scientific and technical programme and unforgettable natural and cultural experience, participating at the ICC 2013 in Dresden is well worth a trip to Germany. In times where analogue and digital cartography, mobile and ubiquitous technology and a raft of voluntary geographic information are subject to rapid and exciting development, the meeting in Dresden promises to be the global information exchange hub in these fields.

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



Professor Ulrich Freitag giving a spontaneous speech at his 80th birthday celebration function | Photograph courtesy of Georg Gartner

Therefore, a Letter of Intent between ICA and the Ministry of the Tunisian Government was signed stating Tunisia's intention to join the ICA again as a national member. Besides a very interesting conference programme, a two-day workshop on contemporary web mapping was delivered by Dr Markus Jobst, Vice Chair of the Commission on Map Production and GeoBusiness. The well received workshop once again demonstrated the strong commitment of ICA to offering outreach and capacity building programmes. In order to better synchronize efforts in this respect, ICA has established a Working Group on Technology Outreach, which helps to coordinate the variety of workshops being offered by ICA Commissions, particularly Commission on Education and Training, Maps and the Internet and Open Source Geospatial Technologies.

Between 23-24 April 2012 I travelled to Monaco to the XVIII International Hydrographic Conference. The signing of the Memorandum of Understanding between ICA and IHO featured prominently at the opening session under the patronage of Prince Albert II of Monaco, Maria Damanakis, European Union Commissioner and a member of the French government. The IHO Cartographic Exhibition displayed a number of excellent maps and marine charts produced by Hydrographic Offices from all over the world.

Several activities are taking place in 2012 to celebrate Gerhard Mercator's 500th birthday. One of those events I attended took place in the Belgian city of Sint-Niklaas, close to his birthplace “Rupelmonde”, between 25-27 April 2012. Professor Philippe de Maeyer, Chair of the ICA Commission on Map Production and GeoBusiness, and his staff from the University of Gent organized the most interesting Symposium *Mercator revisited*, which included visits to the only permanent museum dedicated to Mercator in the world and an excellent temporary exhibition *Mercator Digitaal*. The

experience of looking at artefacts produced by Gerhard Mercator was truly inspirational and I would recommend visiting the museum and exhibition to all cartographers and GI scientists. It is a real testimony to the beauty and challenges of our discipline.

On 26 April 2012 I represented ICA at the Geospatial World Forum in Amsterdam, The Netherlands in a dedicated session on Cartography. Together with Past Presidents William Cartwright and Milan Konečný, Vice Presidents Tim Trainor and Derek Clarke, we have sent a strong message about the role of ICA in the wider context of related disciplines by giving presentations and interacting with a number of delegates.

Between 2-7 May 2012 I participated in several activities in Brazil. I visited the Universidade Federal de Rio de Janeiro giving an address and the Sociedade Brasileira de Cartografia. I delivered a keynote presentation to the 4th Brazilian Symposium on Geodetic Sciences and Geoinformation Technologies and received the Cartographic Order of Merit in a remarkable ceremony. Cartography is also celebrated in Brazil by having a *Dia de Cartografia* (Cartography Day), which demonstrates clearly the high regard for our discipline in this country.

In Conclusion

Let me finish by sharing with you the last poem of the Polish poet and Nobel Prize winner for Literature (1996) Wisława Szymborska before she passed away in February 2012. It is called *Mapa* (The Map). Included below is a draft translation of the first and last part of the poem by Agata Ciołkosz-Styk from the Institute of Geodesy and Cartography in Warsaw (see her Profile in *ICA News* No 57, December 2011, page 8).

Georg Gartner | President | ICA ●

Wisława Szymborska (2012)

translated by Agata Ciołkosz-Styk

The Map

*Flat as a table,
On which it is laid.
Nothing moves underneath it,
Nothing changes its place.
Above it - my human breath
Does not create vortexes of air
And nothing muddies its pure colours.*

[...]

*I like maps, because they lie.
Because they do not give access to the
virulent truth.
Because generously, with good-natured
sense of humour
They spread on a table before me the world
Not of this world.*

ica news past editors : part 1

roger anson and bernard gutsell

cont...

Committees of member nations, major libraries, universities, sister societies (FIG, ISPRS, IGU, etc.), also to the chairpersons of ICA committees and commissions. The print run was of the order of 400 copies.

Recipients were requested to promote further distribution by photocopying or other means to interested agencies, institutes or individual cartographers. My role was the editing of all materials received for potential publication, rewriting as necessary, and even rephrasing and translating it into English if this was required!

The originally employed format was 179 x 232mm, and printing was in monochrome to facilitate copying. Illustrations first appeared in issue Number 4 (1984). From issue No 5 (1985) the format was changed to 179 x 255mm when the page size had to conform with the printing capabilities of the University of Toronto Press.

Issue Number 1 appeared in June 1983 and Number 2 in the subsequent December. Twice yearly publication became standard. Regular content included Executive Committee Reports, reviews of International Conferences and details relating to General Assemblies, as well as ICA Reports, Awards and Distinctions, publications (in print and in preparation), information on Third World policies and Seminars in less developed countries, cartographic activities, reports on Commission and Working Groups, and an International Calendar of forthcoming events. Sister Societies often sent in short reports and the approved Terms of Reference of ICA Commissions and Working Groups were also included. All member nations and ICA Committees were encouraged to submit materials for publication, but some were more cooperative than others. A typical Editor's nightmare!

The number of pages varied from issue to issue depending on the receipt of materials from the membership. Numbers 1 to 13 were produced as individual pages – we tried to generate a minimum of 12 per issue – and a double-sided, stapled version was introduced with Number 14 (October 1989). The original single-sided approach was intended to facilitate photocopying for wider distribution. It was decided to extend the print run, I believe to 500 copies, at the same time as the double-sided version was introduced.

Bernard and I became very good friends, and our collaboration was to continue for the publication of the first 24 issues of the newsletter, the last appearing in October 1994. He regularly came to the UK, and stayed at my home in Oxford. We were also in frequent contact by telephone and letter. I last saw him in Ottawa in 1999 (he was as irascible as ever!). We lost touch... Over a decade later I learned that he died in Canada (aged 96) on 4th March 2010¹. The cartographic profession has lost one of its important Elder Statesmen.

We both thoroughly enjoyed being involved with the *ICA Newsletter* which seems to go from strength to strength. I hope we made some contribution to fostering communication within the cartographic community.

Roger Anson | Co-Editor 1983-1995 | ICA Newsletter | UK ●

¹ For Bernard V Gutsell's comprehensive biography, see: Henry W Castner, Bernard and Barbara Gutsell: A Tribute to the Heart and Soul of *Cartographica*, 1965-1994, *Cartographica*, Vol 34, No 1, 1997, pp 1-10. For his obituary, see: Roger Wheate, Bernard Gutsell, 1914-2010: Founder, Editor, Publisher of *Cartographica*, *Cartographica*, Vol 45, No 3, 2010, p 211 and John Warkentin, Eulogy Delivered by John Warkentin at the Memorial Service for Bernard V. Gutsell in Guelph, Ontario, 10 March 2010, *Cartographica*, Vol 45, No 3, 2010, pp 211-213.

ICA Newsletter 1983-1994 :: Facts and Figures¹

publication period (1983-1994)	years ::	12	month of publication	
issues published		24	may (nos 3, 5, 7, 11, 13, 15, 17, 19, 21, 23)	10
pages		352	june (nos 1, 9)	2
photographs		68	october (nos 6, 8, 12, 14, 16, 18, 20, 22, 24)	9
advertisements		8	november (no 4)	1
tables		6	december (nos 2, 10)	2
figures		5		
longest issue (nos 18, 24)	pages ::	22	format	
shortest issue (no 9)		9	179 x 232mm (nos 1-4)	4
			179 x 255mm (nos 5-24)	20
articles and news items		554	authors	93
calendar notices		96	donald t pearce	contributions :: 20
correspondence		1	jean-philippe grelot	18
editorial		4	f j ormeling sr	17
ica awards		4	d r fraser taylor	16
ica news items		63	r e dahlberg	11
ica publications		14	eva m siekierska	10
miscellany		73	roger w anson ²	9
obituaries		18	christopher board	9
profiles		21	tositomo kanakubo	9
reports: cartographic meetings and events		84	joel i morrison	9
reports: commissions and working groups		166	bernard v gutsell ²	5
reports: president, secretary general & treasurer		10		

¹ Facts and Figures were compiled by Igor Drecki, based on *ICA Newsletters* published between 1983 and 1994 (Nos 1-24).

² In addition, six articles were written by the Editor and several others without author(s) named. Most likely they were written by Roger W Anson and/or Bernard V Gutsell, which would increase their contributions substantially.

ica news

25 years ago...

The ICA recognises and has always recognised the importance of Publishers in the promotion of our discipline, which is evident from this short report...

Igor Drecki | Editor ICA News | ICA ●

ICA Newsletter, No 9, June 1987

BANQUET TO HONOUR RUDOLF MULLER

Mr. and Mrs Rudolf Muller were guests of honour at a banquet in the Belfort Hotel, Amsterdam on Friday, 10 April 1987. The event was organised by Dr. F.J. Ormeling Sr., Past-President of ICA, to celebrate the many years that Rudolf Muller International Booksellers, Amsterdam, acted as the official distributor for ICA publications.

These attending were: Dr. J. Morrison, Mr. and Mrs D.T. Pearce, Dr. and Mrs Ormeling, Sr., Roger Anson, Rolf Bohme, Harold Fullard, Bernard and Barbara Gutsell, and Helga Ravenstein.

Dr. Morrison and Dr. Ormeling made eloquent speeches on the dedication with which both Rudolf and his charming wife had served ICA for more than a decade, doing work that was arduous, often frustrating and always time-consuming.

Rudolf was presented with an elegant, illuminated scroll prepared by Ferdinand Ormeling with his accustomed artistry and craftsmanship. The framed scroll now decorates the well-appointed offices of Rudolf Muller International Booksellers, Amsterdam.

icc 2017



The 28th International Cartographic Conference (ICC) will be held in Washington, District of Columbia, USA

in July or August 2017. The organisation of the ICC 2017 will be coordinated by the Local Organising Committee with members representing government, commercial, academic and professional organisations to support the Conference. Dr E Lynn Usery from the United States Geological Survey and current Chair of the US Committee has been appointed the Conference Director.

Lynn Usery | Chair | ICC 2017 Local Organizing Committee | USA ●

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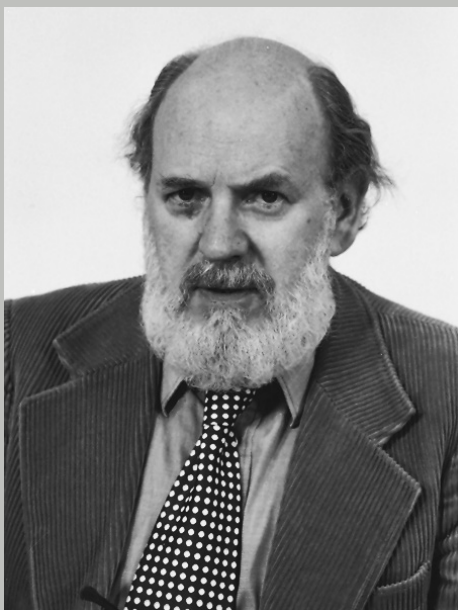
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Submission Deadlines

15 May for June editions

15 November for December editions

ica news centenary of ferdinand j ormeling's birth



Professor Ferdinand Jan Ormeling | *Photograph courtesy of ITC Archives*

Ferdinand J Ormeling Sr

This year we celebrate the centenary of the birth of an extraordinary man. Ferdinand J. Ormeling was, intellectually not only an outstanding geographer and one of the greatest 20th century cartographers, but is also remembered for his special capacity to build bridges of friendship between people and communities. He was part of the remarkable synergy from which ICA was conceived in the late 1950s, but his own contribution extended much further. His creative drive and leadership dominated the first quarter-century of this new global movement. The timeliness of his involvement and his unique suitability for the task of guiding the ICA in its formative years were critical. His special qualities had already

been at work during experience overseas, in professional cartography and in academia in the Netherlands.

Following his support of the Dutch underground during WW2 he volunteered as a military intelligence officer in another war-filled region, the Dutch East Indies. Recognition of his expertise as a geographer/surveyor soon led to his transfer from the field to the capital, Batavia (Jakarta), where he helped establish the Geographical Institute of the Topographical Service, and was appointed its first director. With full independence in 1949, Indonesians were glad to see the departure of their Dutch enemies. However the request for Ormeling to stay and expand his work – including the education and training of staff – once more displayed appreciation of his intellectual and personal qualities. Before leaving Indonesia in 1955 he had demonstrated his practical and investigative skills in geography and mapping as well as his appreciation of the people and problems of developing countries. His pioneering and respected PhD study, 'The Timor Problem', from the University of Indonesia, was evidence of this.

Ferd Ormeling's Indonesian experience proved invaluable in his new post with atlas-publisher J.B. Wolters of Groningen. There he became responsible for a wide range of map products, especially the expansion and modernization of numerous editions of the major Dutch school Bosatlas. He also improved the design and content of Wolters' atlases, and the effectiveness and economy of their production. He left Wolters in 1963, but continued editing their major atlases until the late 1970s. Although this work was demanding in time and effort, it opened up networking possibilities among colleagues at home and overseas. His characteristic motivating leadership and desire to raise

Professor Ferdinand J Ormeling, ICA President (*left*), is being presented with the British Cartographic Society Medal by Dr Michael Wood, President of BCS, Perth, Australia 1984 | *Photograph courtesy of Michael Wood*



ica news centenary of ferdinand j ormeling's birth

cont...

the status of cartography nationally, led to the founding of the Geo-Cartographic Institute within Wolters, and a new Cartographic Section within the Royal Netherlands Geographical Society – to become The Dutch Cartographic Society in 1975. He was, moreover, president of the Royal Netherlands Geographic Society (1967-71) and while Professor of Economic Geography at the University of Amsterdam, (1964-1970) once again he founded and directed a research Institute in this academic field. His final appointment, as a Professor of Cartography at ITC, provided the real culmination of his academic career. In the new Department of Cartography, which he established, not only could he employ his wide experience from home and abroad, in professional and scientific cartography, but, satisfying his genuine interest in other cultures, would teach students from developing countries, keen to learn the latest on geo-information science, and then apply it back home.

While developing new institutes and teaching programmes in the Netherlands, he was also working with other leaders towards the establishment of the ICA. This included the decisive 1958 session in Mainz which, in turn, heralded the inaugural meeting in Bern in early 1959. The principles of ICA, which emerged during its first five years, matched those of Ormeling, so, at the 1964 Conference and General Assembly in London and Edinburgh he was delighted to accept the post of Secretary General & Treasurer. By 1967, and during the Amsterdam Technical Conference, which he directed, he had helped establish the ICA as a global family, bonded by knowledge, wisdom and friendship. His 12-year support of Presidents Thackwell, Salitchtchev and Robinson, followed by his own 8-year presidency (Moscow, 1976, with Olof Hedbom as Secretary General/Treasurer), were pro-active, energetic and confirmed the ICA as a truly flourishing organization. During his time in senior office he not performed his many official responsibilities with alacrity, but introduced many other important changes relating to Commissions, Working Groups, Statutes, etc. He also encouraged publications, Third World Seminars (such as those in Nairobi (1978), Jakarta (1980 and Wuhan (1981) most of which were on Map Automation), and relationships with sister organisations. His diplomacy and concern for the developing world were reflected in the increase in member nations, from 26 (1964) to 59 (1984). Most significantly he established the ICA's highest award, the Carl Mannerfelt Gold Medal, named in recognition of the initiator of the ICA.

Unsurprisingly Fer Ormeling received many awards during his lifetime. In 1978 he was appointed 'Knight of the Order of the Netherlands Lion' by the Queen of the Netherlands

and, in Morelia, 1987, he became the well-earned recipient of the Mannerfelt Gold Medal. At this, his final conference, he also presented his personal record, *ICA 1959-84: The First Twenty-Five Years*, in which, characteristically, his own activities receive minimum acknowledgement.

Like many truly charismatic people, committed to their subjects, Ormeling never really 'retired'. His research interests, reflected in his extensive publication list, included geographical names, history, geography and atlases. His gift to fascinate as a speaker also continued. His extensive study room in his Lonneker home, and its extensive collection of cartographic publications, were awe-inspiring and, after his death, the Ormeling Collection was donated to the ITC Library where it will be expanded to include other, more recent, classic textbooks.

His final personal message was communicated by video to the 2001 ICA Conference in Beijing. It was moving for that huge representative membership of his ICA family to hear the words of 'Mr ICA'. Although he left us ten years ago, memory of his presence is as strong as ever. He was an ICA foundation stone and also one of those metaphorical giants on whose shoulders we may stand. He was a tough organizer, an enthralling multilingual speaker with an excellent sense of humour. To paraphrase from my obituary of Ferdinand J Ormeling ...as energy cannot be destroyed, only changed, the energy released during his dynamic life of creativity, guidance and leadership still exists within people and organisations throughout the global cartographic community. My personal memory is the warmth of his company, his quick smile and the twinkle in his eye.

We owe him so much. His life truly made a difference.

Michael Wood | Former President of ICA (1995-1999) | *United Kingdom* ●

Tribute to Ferdinand J Ormeling Sr

The world community of cartographers remembers Ferdinand J Ormeling, Professor of Cartography, former President of the International Cartographic Association, and celebrates one hundred years from his birth.

Every celebration of this kind is worthwhile and deserves respect if it has a clear message for our life. For me, this message is that a good leader educates and builds a community. It is easy to follow the path of Professor Ormeling's career; by searching the Internet, you will be able to find and read a rich story of his life. However, it is only his students, colleagues and



Professor Ferdinand J Ormeling, President of ICA (right) and Rolf Böhme, Vice President, attending the opening of an exhibition at the Department of Cartography, Eötvös Loránd University, Budapest, Hungary 1983 | Photograph courtesy of Gábor Gercsák

fellow cartographers of his time who really know him, his character, and respect what he had given us!

We learned from Prof Ormeling, our President that there are two, sometimes confronting forces in cartography: one is adhering to the old values, while the other is sensitive to the new ones. He showed us how we should not only present new results at the ICA meetings, but also exercise humanity, responsibility, mutual understanding and respect to others in the community. This is the way to make our world wiser and more honest. Later, his son Ferjan, inherited these noble values.

Prof Ferjan Ormeling's life and professional aptitude set us an example of what Saint Paul referred to by saying: "To each is given the manifestation of the Spirit for the common good." (1 Corinthians 12:7).

István Klinghammer | ICA Honorary Fellow (2003) | *Hungary* ●

Ferdinand J Ormeling Sr ICA Functions and Honours

1964-1976	Secretary General & Treasurer
1976-1984	President
1984-1987	Past President
1987	Carl Mannerfelt Gold Medal

ana kuveždić divjak



I suppose I have always known I would be a cartographer. But the truth is that until my final year in a high school I had no idea what profession I should choose. Since then,

one thing led to another and today I am employed as a junior researcher and teaching assistant at the Faculty of Geodesy, University of Zagreb.

Meanwhile, working with maps became my passion. As a teaching assistant I teach about maps and as a PhD student I do research to find more about them. The more I learn, the more has changed my perspective on many aspects of maps, cartography and cartographic communication. It began with the exploration of available cartographic tools to create different cartographic visualizations and evolved into research to find out why particular maps do or do not work in particular circumstances.

Today, with an impact of major technological drivers, we have advanced to the point where good cartography is possible and pretty easily achievable. But ever since the days of Google Maps it remains the case that web cartography usually means base map with layers on top of it, instead of searching for the ideal solution. So, perhaps my purpose in cartography is to remind my students (and other mapmakers) that there is more than one kind of map and to teach them about the rules for how colour should be used, how data should be symbolized, how text should be placed, what elements should be included in the map and how they should be laid out, what projection should be used and so on. These rules, the 'pickiness of cartographers', are what make maps communicate and what makes us cartographers. For me, cartography is all about the thoughtful design of maps and this is where I discover the beauty of maps, reassuring me that I am in the right profession.

Ana Kuveždić Divjak | Faculty of Geodesy | University of Zagreb | Croatia | akuvezdic@geof.hr

Left: Web map of the world in Winkel Tripel projection portraying information about the ICA national members. This map was made by Croatian Cartographic Society as a response to the selection of Mercator projection for the ICA members' maps that were previously published on the ICA website.

Right: Exploring different types of three-dimensional visualizations of the Croatian island of Rava.

Norway was one of the 13 nations that participated in the foundation meeting of the International Cartographic Association (ICA) held in Bern in 1959. Since then, the Norwegian Mapping Authority administered the ICA membership until 1988 when this responsibility was transferred to GeoForum. GeoForum was founded in 1969 and today has about 1,800 individual and 250 corporate members. It is an association for both, Geomatics professionals and companies, and cartography is one of its activities.

Every year GeoForum organizes a national conference devoted to Geomatics. Cartography is included in the conference programme, which also features an exhibition highlighting new cartographic products. The exhibition entries are evaluated by a jury, and the best products are selected to represent Norway at the International Cartographic Exhibitions. Over the last seven ICA Exhibitions (1999-2011), Norwegian maps won nine awards.

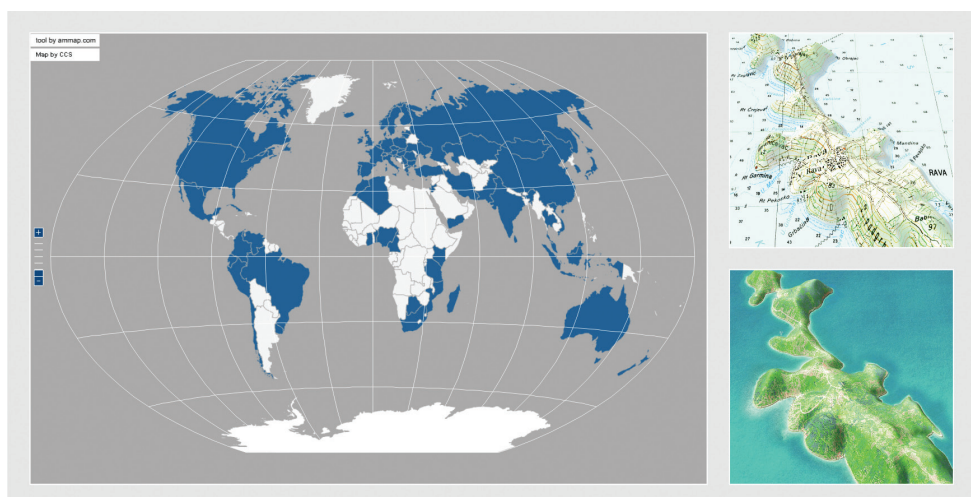
On several occasions GeoForum was also responsible for organizing the *Nordic Summer School in Cartography*. This is a cartographic event that is organized by the Nordic countries on a rotation basis. When it was last arranged in Norway (2009), it attracted a lot of interest from the Nordic cartographers.

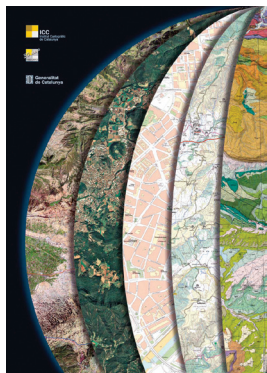
GeoForum publishes a magazine *Posisjon* for their members. Six bimonthly issues annually give a glimpse of Geomatics activities in Norway.

For the 15th General Assembly of ICA in Paris last year, a report describing cartographic activities in Norway was prepared. The report gives a good insight of the cartographic activities undertaken by the government institutions and private industry. The report can be accessed from www.geomatikk.ntnu.no/norwaycartography/.

Terje Midtbø and Kristoffer Kristiansen | GeoForum | Norway

Terje Midtbø (left) and Kristoffer Kristiansen judging a map at the National Map Exhibition; they also represent Norway at the ICA General Assemblies | Photography Marianne Meinich





ICC's 30th Anniversary Poster | Image courtesy of ICC

Institut Cartogràfic de Catalunya (ICC) is the National Mapping Organisation of Catalonia, which designs, produces and distributes free geospatial information to a wide variety of users, both public and private. ICC has a rich heritage, as well

as competencies and skills in value adding and handling of geospatial information, and is currently celebrating its 30th anniversary.

ICC offers a complete range of digital products covering Catalonia in variety of themes and scales: urban (1:1,000), territorial (1:5,000, 1:10,000 and 1:25,000), printed editions (1:25,000, 1:50,000, 1:100,000 and 1:250,000), as well as many other products such as orthophotographs (10 and 25cm resolution), linear graphs of reference (roads, trails and streets), and thematic cartography among others.

In terms of innovation, ICC is devoted to its adopted mixed model that fuses production with development. This approach has allowed us to achieve technical and production breakthroughs. Likewise, ICC operates its own primary data capture infrastructure, such as its own sensors and aerial platforms. This leads to optimal flexibility and efficiency in terms of

geoinformation production.

ICC also acts as the Technical Secretariat of Catalonia's Cartographic Coordination Commission (C4) to the Catalan Geospatial Council which informs the Catalan Administration to define technical and operational policies to be officially implemented.

The quality and usefulness of ICC products are our main drivers. They are being scrutinised and validated on a daily basis with more than

930,000 geoinformation products downloaded from the ICC website in 2011 alone. The number of ICA awards received by the Institut Cartogràfic de Catalunya is a testimony to quality and innovation of our cartography.

Jaume Miranda i Canals | Director | Institut Cartogràfic de Catalunya | Spain ●

Institut Cartogràfic de Catalunya staff in front of the ICC Headquarter in Barcelona, Spain | Photograph courtesy of ICC




ica news redesign of ica website





If you visited the ICA website www.icaci.org in the last few months, you have already discovered its new design, layout and structure. Four years since the last redesign exercise, we have followed the often expressed wish for a more news-oriented website by installing a blog system and restructuring the content.


News stream

The ICA front page lists news posts in a chronological order. To give a hint on their general theme, the posts' icons are colour coded:

 **Red** indicates posts from the President's blog, where Georg Gartner writes about his work in his Presidential capacity.

 Posts by the ICA national and affiliate members are marked in **orange**.

 **Green** indicates posts submitted by the ICA Commissions and Working Groups.

 Posts of general interest to the ICA community are marked in **blue**.

We welcome ICA Commissions, Working Groups and members to submit content for the

ICA news stream. Please check our **Contact** page icaci.org/contact for the guidelines regarding posting news.

Social media

You might also want to have a look at the social media tools we offer at the top right corner of the page:

- Tools to stay in touch with the ICA website updates: RSS, E-Mail and Twitter
- Platforms for ICA-related photos: Picasa and Flickr
- Platforms for ICA-related videos: Youtube
- In terms of social media platforms to stay in touch with other cartographers, we would like to highlight the ICA group on LinkedIn. Have a look and join the group!

Map of the Month

We continue to highlight examples of the outstanding cartographic products that received awards at the recent International Cartographic Exhibition in Paris in July 2011.

Other features and improvements

All posts and articles can now be commented. It is also possible to subscribe to the ICA Calendar with the *ical* or *Google Calendar* – icaci.org/calendar/. The **ICC Conferences** section holds information about the past (and upcoming) ICA's International Cartographic Conferences, such as proceedings, ICA General Assembly documents, winners of the International Cartographic Exhibitions, winners of the Barbara Petchenik Children's World Map Awards, as well as recipients of the ICA Travel Awards. The Croatian Cartographic Society helped us to update the world map in the **National** and **Affiliate Member** section to a Winkel Tripel projection. Thank you!

With this fresh and fully revamped website, we hope to offer you a modern and convenient tool to stay in touch with the ICA and its activities. If you have any comments, please contact us at website@icaci.org.

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

Art and Cartography

artcarto.wordpress.com/

Commission Activities

The ICA Commission on Art and Cartography has been working on two major projects during the last six months. First the publication of a special issue of *The Cartographic Journal* on *Cartographies of Fictional Worlds* (Vol 48, No 4, November 2011) guest-edited by Barbara Piatti (literary studies) and Lorenz Hurni (cartography). This collection of eight papers is "made up of fascinating stories, exotic places, original concepts, and a series of media that ranges from artistic collages to high tech geospatial applications. This diversity demonstrates the enthusiasm that prevails within literary cartography, as well as the complex relationships that exist between maps, narratives and places" (Sébastien Caquard: *Conclusive Remarks*, p 224). As pointed out by the co-editors of this special issue in their editorial piece, the goal of this special issue is really to help better understanding how places "emerge from a combination of real elements and fictional accounts" (Piatti and Hurni: *Editorial*, p 223).

The second major project is the organization of a workshop on *Cartography & Narratives* that will take place at the Institute of Cartography and Geoinformation, ETH Zurich, Switzerland between 11-13 June 2012. This workshop is organized by the Commission on Art and Cartography in collaboration with ETH Zurich and Concordia University, Montreal, Canada. It aims to bring together artists, scholars and students from cartography, geography, the humanities and the arts interested in exploring further the relationships between maps and narratives from multiple perspectives (e.g. theory, performance, technology, design). The main outcome of this workshop will be the production of a collective movie dedicated to narrative cartography. This movie will be made of the different contributions of the participants of the workshop. Support from professional filmmakers will be provided during the workshop in order to help turning academic and artistic work into cinematographic essays (two to five minutes long). These essays will be collated into a full movie after the workshop. It is hoped that this film will be screened in film festivals, as well as during the 26th International Cartographic Conference in Dresden, Germany in August 2013.

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

Atlases

www.univie.ac.at/cnra/

Conference in Kiev, Ukraine

The National Committee of Geographers of Ukraine, Ukrainian Geographical Society, ICA Commission on Atlases, Ukrainian Cartographic Association, Institute of Geography of the Ukrainian Academy of Sciences, and State Scientific and Production Enterprise *Kartographia* are jointly organising the 5th All-Ukrainian Scientific and Practical Conference *National Mapping* entitled *National Atlases in the Formation of the Global Information Space*. The event will be held between 13-14 September 2012 at the Kiev House of Scientists, Kiev, Ukraine.

The programme will address the following themes: characteristics of national and regional atlases of different countries of the world, modern conceptual approaches to the creation of national and regional atlases, problems of information reflection and coordination of thematic maps of border regions, software and technology of creating paper and electronic versions of national atlases.

For more information, deadlines and registration visit www.ignau.org.ua/conference.htm.

Workshop in Guangzhou, China

Between 15-16 November 2012, the ICA Commission on Atlases, together with Chinese Academy of Sciences, Institute of Geography and Natural Resources Research, Geographical Society of China, Surveying and Mapping Society of China and Geology Society of China, is organising a Workshop on City Atlases in conjunction with the 7th National Conference of Cartography and GIS *Digital Cities Benefit Human Beings*. The Workshop will take place at the Institute of Geography and Natural Resources Research, Chinese Academy of Sciences, Guangzhou, China.

The Workshop will focus on city atlases under various aspects. Considerable local participation is expected. A special call for the Workshop will be disseminated soon.

Symposium in Vienna, Austria

Five ICA Commissions on Map Production and GeoBusiness, Atlases, Map Projections, Maps and the Internet and Use and User Issues are jointly organising the International Symposium on Service-Oriented Mapping (SOMAP 2012). The Symposium will be held at the Austrian Federal Office for Metrology and Surveying (Bundesamt für Eich- und Vermessungswesen (BEV)) in Vienna, Austria between 22-23 November 2012.

Several themes and issues will be covered, including modern map production methods; service-oriented use cases; impact of service-

oriented architectures for mapping and geobusiness; innovative map applications, embedding innovation and design; geobusiness models and map dissemination; (service-oriented) crowd sourcing; dynamics and influences of crowd sourcing; IT architectures and quality of services for service-oriented maps; joining distributed sources (legal, organisational, technical, etc.) for map production, licences, cooperations and prices; long-term management of (map) production flows and production cycles; pragmatic requirements for service-oriented mapping; preservation of service-oriented maps; process- and change management; projections in service-oriented mapping; rights management; security aspects and protection of critical SDI; smart maps; use and user issues in service oriented mapping; user-centred design of service-oriented mapping solutions; user location centred mapping; user location preference mapping; advertising and advertising free based services; browser based service oriented mapping; and application based service oriented mapping.

The ICA Commission on Atlases will organise a special session with presentations of new atlases from Central Europe (and beyond). A special call will be disseminated and potential participants to this session are requested to register for the Symposium. For more information, deadlines and registration visit somap.cartography.at.

Peter Jordan | Chair | ICA Commission on Atlases | Austria ●

Cartography and Children

lazarus.elte.hu/ccc/ccc.htm

Barbara Petchenik Competition Theme

A few months ago, members and affiliates of the ICA Commission on Cartography and Children were asked to send proposals for a new theme for the next two editions of Barbara Petchenik Children's World Map Award. The process of voting was developed in January 2012 and a total of 47 votes were received from 20 countries: Argentina, Australia, Austria, Brazil, Bulgaria, Canada, Chile, Finland, Hungary, Indonesia, Israel, Lithuania, The Netherlands, Poland, Russia, South Africa, Spain, Switzerland, United Kingdom and USA.

The nominated themes and the final results were as follows:

- *My place in today's world*: 16 votes
- *My map of the world*: 14
- *Our world 20 years later...*: 8
- *Our world is a miracle*: 5
- *Changing the world for us all*: 2
- *Our Earth discovering other worlds*: 1
- *We want to learn more...*: 0

The theme *My place in today's world*, proposed by Prof Rosângela Doin de Almeida from the Sao Paulo University in Brazil, was declared the winner and consequently adopted to be the official theme for the Competitions in 2013 (Dresden, Germany) and 2015 (Rio de Janeiro, Brazil).

In relation to the Competition, Prof Henry Castner (USA), one of the founding members of our Commission, contributed material about the possible use of non-traditional projections by children while they draw their maps. He gives an example of the icosahedron projection, which can be found in a document entitled *A teacher's introduction to the Barbara Petchenik International World Map Design Competition* and available from lazarus.elte.hu/ccc/bpc/bbpmc12.htm. If you are interested in sending similar material, which relates to the innovative ways of drawing world maps for the Barbara Petchenik Competition, please do not hesitate to contact us. Your contribution could be published on our website and referred to in our Newsletter.

In June 2012, the Commission organised a meeting at the 4th Conference on Cartography and GIS in Albena, Bulgaria, to discuss some possible changes to the rules of the Competition. The updated rules will be published on the Commission website and included in our next Newsletter at the beginning of July 2012. This will coincide with the official launch of the 2013 edition of the Barbara Petchenik Children's World Map Award.

On behalf of the ICA Executive Committee and the Commission on Cartography and Children I would like to thank all voters for sending their replies. Your contribution was very valuable and helped us to select a suitable theme for the 2013 and 2015 World Map Competitions.

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

Education and Training

lazarus.elte.hu/cet/

The headings below show a number of nations represented on the ICA Commission on Education and Training along with a brief information about cartographic education in each nation supplied by their representative.

Australia (David Fraser and Trisha Moriarty)

The range of cartographic education courses available in Australia gradually increased. By 1987 it was possible to study cartography, land information, remote sensing and geographical information sciences at all levels. This included certificates and diplomas, undergraduate and master degrees, right up to a PhD.

Brazil (Maria Brandalize)

The terms spatial science, geomatics, geoinformatics, geovisualization, spatial information science and geographical information sciences are not known outside of the GISciences industry and hence this leads to confusion. In Brazil there is a trend towards the unification of these terms. The Ministry of Education (MEC) has unified the terms for the engineering degrees, and promotes the term "Cartography and Surveying Engineering". Nowadays we have five undergraduate courses in Cartography Engineering (UFPE, UERJ, UNESP, UFRGS, IME), and seven in Cartography and Surveying Engineering (UNISINOS, UFU, UFPR, UFV, UFRRJ, UFBA, IF SUL MINAS), besides eight in Surveying Engineering (UFPI, FEAMIG, FEAP, EEA, UNESC, UFAL, FIAR, UNIPAMPA). There is a tendency of not only unifying terms, but also expanding the number of undergraduate courses and the area of knowledge they cover. In addition to the undergraduate courses, there are six well known postgraduate courses at masters and doctorate level: Geodetic Sciences (UFPR – the oldest), Geodetic Sciences and Geoinformation Technology (UFPE), Cartographic Sciences (UNESP), Cartography Engineering (IME) and Remote Sensing (UFRGS and INPE).

Bulgaria (Temenoujka Bandrova)

The National School on Cartography and GIS proposal is included in the Ministry of Education's program for geography teachers. It will be organized once or twice per year, depending on needs. It can be developed in the following areas:

- **Regional aspect:** the school could focus on a common project concerning Balkan countries or a wider region in Europe; this can be enhanced by a change in the program to cover other subjects included in school curriculum for all countries; lecturers could be exchanged using the mobility principle.
- **Modernization:** to include innovative presentations, such as cartographic animation and multimedia, during lectures for teachers.
- **Variations:** different themes could be developed for schools based on the age of children and school or class profile.

Colombia (Elena Posada)

Colombia has an area of approximately 1,141,748km² and a population of about 28 million. Approximately four higher education institutions offer a degree in the fields of Geodesy, Cartography and Surveying.

Czech Republic (Vaclav Talhofer)

University education in Cartography and Geoinformation in Czech Republic is offered at the Bachelor, Masters and Doctoral level and

focuses on geographic cartography and teacher training. Technical education concentrates mainly on topographic cartography and cadastre. Deep knowledge of geoinformatics is acquired by studying at both, university and technical education providers. About 150 school leavers want to study cartography and geoinformatics each year. Government organisations, mainly the Czech Office for Surveying, Mapping and Cadastre and the Ministry of Defence Geographic Service are the main employers for graduates. Relatively large percentage of graduates are finding employment at non-cartographic organisations, in areas such as land use planning, emergency services, hydrology etc.

Hungary (László Zentai, Krisztina Irás and Andrea Pödör)

The name changes in many countries, both within the industry and for university courses and programs, have not helped cartography to establish itself as a recognised discipline. Hungary is one of the few exceptions where the industry respects cartography as a discipline and students are still finding employment because industry understands and recognises their knowledge and expertise.

Indonesia (Sukendra Martha)

At present the term geoinformation is not well adopted in Indonesia and is therefore offered only at surveying courses. The subject of geoinformation is considered as comprising photogrammetry, remote sensing, GIS and cartography. In many cases these subjects are taught separately. Due to the rapidly changing technology and tools, the review of surveying courses toward geoinformation education is a must.

Latvia (Valdis Berzinš)

Cartography is offered in the Faculty of Civil Engineering at Riga's Technical University. Geomatics programme takes 4.5 years for a Bachelor degree and additional 1-2 years for Masters degree. Professional Bachelor degree programme includes geodesy, surveying, photogrammetry and cartography, as well as mathematics, physics, computer-assisted mapping, a foreign language and professional practice. After completing undergraduate studies in Geomatics with engineering qualification in geodesy or cartography, students can continue their studies at the masters level. Masters program includes advanced courses in geodesy, surveying, photogrammetry and cartography and a professional practice at a commercial company engaged in mapping.

New Zealand (Greg Breetzke)

Currently none of the eight universities in New Zealand offer a stand-alone undergraduate

course in Cartography. A number of universities such as University of Canterbury, Waikato, Auckland and Otago offer courses with a strong cartographic content, but these are embedded within existing programmes in GIS, and geospatial analysis. The new Masters in GIS programme, which is a collaborative cross-institutional initiative run between the University of Canterbury and Victoria University of Wellington, currently offers a postgraduate Masters course entitled: *Cartography and Geovisualisation* as part of the course structure. The course is a 10-week course which provides a theoretical grounding in and practical introduction to the various ways in which geographic data can be visualised. Key topics in the course include advanced cartographic design, geovisualisation, human-computer interaction, and augmented and virtual reality.

Norway (Terje Midtbø)

Cartographic education in Norway is provided by Geomatics and Geography departments at various educational providers. Most of them have a wider focus where Cartography is only a part of the geographic information science programme and offered at a basic levels. At the Masters level, students can choose to focus on Cartography by doing projects and thesis.

Switzerland (Christian Häberling)

In Switzerland, a completely new 4-year vocational education and training course started in August 2010. The two professions, i.e. Cartographer and Geomatician, are merged into one profession of Geomatician that now consists of three specialisations: Cadastral Surveying, Cartography and Geoinformatics.

United Kingdom (David Fairbairn, David Forrest)

There are around 21 undergraduate courses that include an element of cartography or a closely related discipline (for example geovisualisation, spatial data visualisation, etc.). There are other courses in geographical information systems, geomatics or allied subjects, but no element of cartography is listed in their programmes. There are no postgraduate courses exclusively teaching cartography in the UK, but there are several in GIS or topographic sciences which are relevant to those wishing to work in cartography.

United States (John Kostelnick)

In the US, students interested in cartography generally earn a Bachelor's degree with a major in geography, cartography, a physical science, or surveying. Cartography coursework in these programs includes computer-assisted cartography (CAC), Geographic Information Systems (GIS), remote sensing, computer-assisted drafting/design (CAD), database design,

geovisualization, and visual data mining. Courses in interactive, animated, and web-based cartography are becoming more common. Other appropriate course topics may cover spatial thinking and visualization, map design, cartographic theory, map production and the cultural aspects of maps.

Vietnam (Loi Kim Nguyen)

The Faculty of Environment and Natural Resources at the Nong Lam University, Vietnam, offers a 4-year undergraduate program in Geographic Information System (GIS). Study areas include utilisation of GIS and remote sensing in fundamental and applied research in land use and land cover change analysis, natural resources and environmental monitoring, natural disasters (flooding, drought, landslides), urban-rural administration, planning and management, management of coastal areas and climate change.

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

Geospatial Analysis and Modeling

fromto.hig.se/~bjg/ica/

Workshop in Avignon, France

A one-day Workshop on Complexity Modeling for Urban Structure and Dynamics, in conjunction with this year's AGILE annual conference, was held on 24 April 2012 at the historical city of Avignon, France. Beginning with a joint session with another AGILE Workshop on MECHANICITY and GeoDiverCity organized by Professors Mike Batty and Denise Pumain, our workshop alone attracted 17 oral presentations and more than 30 participants. Currently we are still exploring the possibility of publishing the best papers for a special issue with some international journal. For more details about the workshop and its program, please visit sites.google.com/site/agileworkshop2012/. Special

A dinner after the Avignon Workshop: (from left) Itzhak Benenson, Jonathan Rizzi, Beniamino Murgante, Christian Kaiser, Emanuele Strano, Bin Jiang, and Erez Hatnaphoto | *Photograph courtesy of Beniamino Murgante*



thanks are due to Prof Itzhak Benenson for co-organizing this successful event and to Prof Mike Batty for suggesting the joint session.

Special Issue

A special issue, guest edited by Professors Itzhak Benenson and Bin Jiang, focusing on bridging the gap between urban and regional modeling, and planning practice, has been published by *Journal of Urban and Regional Information Systems Association*, 24 (1). This special issue, consisting of six papers selected from 18 submissions, brought together scholars across the fields of planning on the one hand and of urban and regional modeling on the other, to address various issues in the rapidly developing domain of planning-oriented spatially explicit urban and regional modeling.

Bin Jiang and Xiaobai Yao | Chairs | ICA
Commission on Geospatial Analysis and Modeling | *Sweden* ●

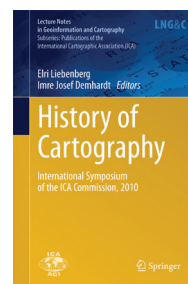
History of Cartography

www.icahistcarto.org/

Symposium in Budapest, Hungary

The 4th International Symposium of the ICA Commission on the History of Cartography took place at the Eötvös Loránd University in Budapest between 28-29 June 2012. Full particulars of the registration and accommodation are available on the Symposium website lazarus.elte.hu/~zoltorok/2012_Budapest/. We want to encourage you to attend this meeting.

Proceedings of the 3rd Symposium



The Editors, Elri Liebenberg and Imre Josef Demhardt, are proud to announce the publication by the official ICA publisher, Springer Verlag (Germany) of the volume containing the papers which were presented at the Commission's 3rd

International Symposium which took place at the University of Texas, Arlington in 2010. The book has been published in hard copy as well as an e-book of which copies can be ordered on demand. Full particulars can be found on www.springer.com.

Joint Workshop in Leipzig, Germany

On 22-23 August 2013, immediately prior to the ICC 2013 in Dresden, a joint Workshop organized by the ICA Commission on the History of Cartography, the ICA Commission on Atlases, and the Joint ICA Working Group and IGU Commission on Toponymy is planned at

the Institut für Länderkunde in Leipzig, Germany. More information will be made available on our website www.ichistcarto.org.

Commission Sessions at ICC 2013

Papers on the history of cartography will fill at least four sessions at the ICC 2013 in Dresden, and members and non-members of the Commission are encouraged to attend if possible. As part of the proceedings a post-conference tour with a History of Cartography focus is planned. During this tour important historical cartographic centres such as Gotha, Erfurt, Weimar and Jena will be visited. The tour will be open for all delegates. More information will be made available on www.icc2013.de.

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

Map Design

mapdesign.icaci.org/

Commission Activities

The Commission on Map Design now has a new web site at mapdesign.icaci.org which will act as a window on the activities of Commission members as well as wider matters of interest to map designers. The web site features a blog that is regularly updated with news items and activities. We are also on Twitter (@ICAMapDesign) where we post links to map design related web sites, debates, papers and... well, pretty much anything that we feel focuses on the importance of design in cartography.

The Commission (represented by Kenneth Field and Alex Kent) took part in a number of sessions at the Association of American Geographers' annual meeting in New York in late February 2012. Alongside the new ICA Commission on Cognitive Visualization (with Sara Fabrikant and Amy Griffin), the Map Design Commission held a series of very well attended sessions. This served to demonstrate the cross-cutting issues that each Commission is working on and also showed how different Commissions can work well together to create an exciting event. There were seven sessions in total and a wide array of papers explored overarching issues of the value of design in mapping to specifics including the way colour is applied in particular circumstances and re-workings of the Minard map. The best papers from the sessions will be published as part of a Special Issue of *The Cartographic Journal* later in 2012 and this evidences the importance of design in mapping.

More generally, there was quite a focus on mapping at the conference and a particularly well attended session by the team at the New

York Times graphics department gave an insight into their work. The maps and info-graphics in the New York Times are widely recognised as being some of the clearest, cleanest contemporary examples of good design and the session showcased much of their work and processes.

Along with Commission member Damien Demaj, I recently undertook a survey of a range of cartographic experts to establish once and for all a list of great examples of maps. OK, so it might not be definitive because of those surveyed, we received over 100 different examples and had to narrow it down. We did this by going for three examples in each of 13 categories (e.g. topographic maps, web maps, geological maps, etc). The papers were recently published in *The Cartographic Journal*, Vol 49 (1), and the 39 examples and commentaries are available to view on the Commission web site. We completed the survey to give a sense of what the cartographic community felt demonstrated their best work given that is one of the most common questions we face. We also felt it was time to compile a list of examples to point people to. It's all too easy giving critical feedback (often constructive yet received with disappointment) and find oneself deflated but without examples to guide us in great design it's difficult to show people what we might mean. We now have a repository of 39 great maps of a wide range of types, styles and genres. Collectively they cover a vast range of map design philosophies and we hope the web site supports people in their own work.

We'd be really interested to hear feedback on whether people agree with the survey results and our 39 maps and what others you'd like to be included. We envisage this to be the start of a catalogue of great map design examples and hope to see Commission members and anyone else who cares to share their ideas and work to be involved.

Looking ahead, we are also collating a map design bibliography for the web site and that should go live about the time you are reading this. There are also plans in the coming months to contribute to the British Cartographic Society Annual Symposium, deliver workshop sessions at the Better Mapping seminars in the UK, hold meetings of the Commission at the Esri International User Conference in San Diego in July, host paper sessions at the GeoCart'2012 Conference in Auckland, New Zealand in August as well as support a day's workshop at the North American Cartographic Information Society (NACIS) Annual meeting in Portland, Oregon in October.

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* ●



GeoTunis 2012 Opening Ceremony with ICA President Georg Gartner (right) | Photography Markus Jobst

Map Production and GeoBusiness

mapproduction.icaci.org/

Workshop in Tunis, Tunisia

ICA President Prof Georg Gartner and Chair of the ICA Commission on Map Production and GeoBusiness Dr Markus Jobst delivered an ICA Workshop on web mapping at the GeoTunis 2012 Conference in Tunis, 26-27 March 2012. More than 30 people participated in the Workshop, which was split into three 2-hour sessions and run in a "walk-in" format. The workshop started with the very basic concepts in web mapping and discussed the needs and potential of Service-Oriented Architectures for map production. With an expanded portable XAMPP framework (Apache and TomCat Webserver, MySQL and PHP), which runs from a USB stick on Windows-based operating systems, the very basic concepts of HTML, SVG, client- versus server-based technologies, GeoServer and UMN Mapserver were given. The Workshop explained the principal grammar, the main coding elements, and provided illustrative examples that lead to hands-on exercises. The general aim of the Workshop was to give the opportunity to learn and gain hands-on experience in web mapping technologies.

According to the feedback received, demonstrations, as well as the undertaken technical approach, inspired the participants and lead some of them to think about adapting their current projects to run on open source server-based technologies in order to exchange and disseminate their maps. With workshops like this, ICA is propagating the importance and dissemination of maps. It is evident that contemporary technologies are accessible, easy to handle and influence the digital map production.

Markus Jobst | Vice Chair | ICA Commission on Map Production and GeoBusiness | *Austria* ●

Map Projections

ica-proj.kartografija.hr/

Commission Activities

The ICA Commission on Map Projections Operational Plan 2011–2015 is published on the Commission's website. It is a dynamic document which is going to be changed and updated continuously, taking into account the Commission's Terms of Reference and developments in the field.

This year marks 500 years from Gerard Mercator's birth. Many conferences, celebrations and exhibitions were organized and are being organized throughout the world to pay tribute to one of the most influential cartographers ever. He is famous for several reasons, especially for his renowned map projection referred to as the Mercator projection.

In Croatia, we organized a festive conference at the Faculty of Geodesy, University of Zagreb on 5 March, Mercator's 500th birthday, followed by an exhibition of Mercator's atlases held at the National and University Library in Zagreb. A lecture about the loxodrome and the Mercator projection was delivered at the Technical Museum in Zagreb in April, during the Festival of Science. A festive day dedicated to Mercator was also organized at the University of Zadar in May.

Another Conference *Mercator Revisited – Cartography in the Age of Discovery* was organised in April 2012 in the Belgian city of Sint-Niklaas, close to Rupelmonde, his birthplace. The Conference had a very interesting programme, including visits to the only permanent museum dedicated to Mercator in the world and an excellent temporary exhibition titled *Mercator Digitaal*. There were also exhibitions dedicated to Mercator in Antwerp and Brussels.



The German postal service issued a stamp depicting Mercator and his map projection. Unfortunately, the Mercator projection is displayed incorrectly!

ICA has two new interactive web maps – one for illustrating its member states and another for affiliate members. They were produced in the Winkel projection by the Croatian Cartographic Society (Ana Kuveždić Divjak and Miljenko Lapaine) and replaced the old ones made in the Mercator projection, which was not suitable for their purpose.

The first meeting of the ICA Commission on Map Projections was held in Albena, Bulgaria, 18–22 June 2012, at the 4th International Conference on Cartography and GIS.

Miljenko Lapaine | Chair | ICA Commission on Map Projections | Croatia ●

Mapping from Remote Sensor Imagery

mailer.fsu.edu/~xyang/ica/

Commission Activities

The ICA Commission on Mapping from Remote Sensor Imagery has played a leading role in the production of two major publications:

- *Land Use and Watershed Assessment* – a special issue to be published by *Environmental Management* in late 2012. It will feature the research contributed by scholars who presented papers at several special sessions of the 2010 Annual Meeting of the Association of American Geographers (AAG) that our Commission co-sponsored. By this time, the peer-review process has been completed.
- *Advances in Mapping from Remote Sensor Imagery: Techniques and Applications* book to be published by the CRC Press in late 2012. Designed for both the academic and business sectors, this volume is a state-of-the-art review on remote sensors and data processing techniques applied for topographic and thematic mapping. This book represents a joint effort between our Commission and other organizations such as International Society for Photogrammetry and Remote Sensing (ISPRS) and the AAG. Our Commission co-sponsors several

conference events:

- International Symposium on Geomatics for Integrated Water Resources Management (GIWRW 2012), 19–21 October 2012, Lanzhou, China. Jonathan Li (Vice Chair), Xiaojun Yang (Chair), Yaolin Liu (ICA Vice President) and Julian Smit (Commission member) serve in the Scientific Committee; conference website 202.201.18.40:82.
- International Conference on Computer Vision in Remote Sensing (CVRS2012), 16–18 December 2012, Xiamen, China. Jonathan Li serves as a conference chair, while Xiaojun Yang serves in the CVRS2012 Scientific Committee; conference website cvrs2012.xmu.edu.cn.
- The 4th International Conference on Earth Observation for Global Changes (EOGC2013), 13–15 May 2013, Toronto, Canada. Jonathan Li and Xiaojun Yang will lead the Scientific Committee.

In addition, our Commission plans to co-sponsor several special paper sessions at the annual meeting of the AAG to be held on 9–13 April 2013 in Los Angeles, USA. We will provide updates on these conference events.

Lastly, we have received nominations of commission representatives from several countries, and we plan to update the commission website this Summer.

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

Maps and the Internet

maps.unomaha.edu/ica/

Workshop in Columbus, Ohio, USA

The ICA Commission on Maps and the Internet in conjunction with the ICA Commission on Open Source Geospatial Technologies is holding a workshop on Geospatial Technologies. The workshop will be held on 16 September 2012 in Columbus, Ohio, USA in conjunction with AutoCarto 2012. This workshop will include both presentations and breakout sessions to share knowledge on several different mapping technologies. We invite individuals to attend and also present and lead technical learning session for the workshop. Anyone interested in Internet and open source technology is invited to attend. Proposals for presentation are also welcome.

Future Plans

Later in 2012 the Commission is also helping to organize the SOMAP 2012 symposium. The meeting will be held in Vienna, Austria, 22–23 November 2012. This symposium will focus on Service Oriented Mapping. You can find the detail about SOMAP 2012 at somap.cartography.at.

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

Mountain Cartography

www.mountaincartography.org/

Workshop in Taurewa, New Zealand

The ICA Commission on Mountain Cartography and the New Zealand Cartographic Society are organising the 8th Mountain Cartography Workshop in Taurewa, adjacent to Tongariro National Park, New Zealand, between 1–5 September 2012.

The theme of the Workshop is *Mapping Mountain Dynamics: From glaciers to volcanoes*, in recognition of the unique natural environment of the host country - New Zealand. The Workshop will focus on current developments in mountain cartography and present state of the art approaches to cartographic representations in large scale topographic mapping, visualization of mountainous landscapes and artistic renderings, symbolization and map design, as well as discussing technological issues, map use and links with Location-based Services (LBS).

Specifically the Workshop will address the following themes:

- Mapping and GIS applications of mountainous areas
- Physical and topographic mapping
- Relief representation



Tongariro National Park and World Heritage Area as viewed from the venue of the 8th ICA Mountain Cartography Workshop in Taurewa, New Zealand | Photograph courtesy of The Sir Edmund Hillary Outdoor Pursuits Centre (OPC)

- Visualisation of mountain dynamics
- Interactive atlases
- New media applications
- Glacier movement
- Rock representation
- Terrain modelling

Further information on the Workshop can be found at web.env.auckland.ac.nz/public/mcw2012.

Igor Drecki | Member | ICA Commission on Mountain Cartography | New Zealand ●

Neocartography

neocartography.icaci.org/

Introduction

The ICA Commission on Neocartography was approved at the 15th General Assembly of ICA in Paris, July 2011. The term neocartographers is being used to describe map makers who may not have come from traditional mapping backgrounds, and are frequently using open data and open source mapping tools. Another difference is in the blurring of boundaries between map producers and map consumers. The availability of data and tools allows neocartographers to make their own maps, show what they want, and often be the intended audience as well – that is to say they may make the maps for themselves, just because they can. There is a real need for a discipline to be established to study this essentially undisciplined field of neocartography.

The Neocartography Commission's aim is to connect ICA and researchers (and practitioners) involved in this new style of mapping who are not currently interacting with the organisation. The idea is to develop a commission that would seek wider involvement from these cartographers (who may not even think of themselves as such). The particular activities are spelled out on the commission website. They include: developing a website to act as a shop window and reference point for researchers and

practitioners; organising sessions at future ICA conferences, other specialist conferences and workshops, and collaborating with other commissions; encouraging publication in the area; and supporting and disseminating research on the topic.

The website is in place, and it has garnered over 50 commission supporters from around the world thus far. The website has an events page to highlight activities relevant to the commission theme, which supporters and participants are encouraged to add to. Collation of material on research in the area is currently in progress. The first formal commission workshop is going to be held in London at UCL, and will be a day long session butted up to the Society of Cartographers conference, which is to be held there from 3-5 September 2012.

Steve Chilton | Chair | ICA Commission on Neocartography | UK ●

Open Source Geospatial Technologies

ica-opensource.scg.ulaval.ca/

First African Open Source Geospatial Laboratory

The first African Open Source Geospatial Laboratory, under the auspices of the ICA-OSGeo Memorandum of Understanding (MoU), was recently established at the Centre for Geoinformation Science (CGIS) at the University of Pretoria in South Africa (www.up.ac.za/cgis). CGIS engages in open source research for geospatial software and data, either using open source geospatial software and data as tools in research, or contributing to the software and data through research. For example, in one project open source web map servers are used to prepare thematic maps from linked data, while another investigates the use of online assessments for certified training in open source tools. Open source software and data are also used in formal tertiary education and

continued education courses at the university.

Other research themes in CGIS are forensic geography; space geodesy, earth and atmospheric observation; and spatial data infrastructures. CGIS is led by Dr Serena Coetzee who is looking forward to receiving Prof Georg Gartner, President of the ICA, and Arnulf Cristl, President of OSGeo, at the CGIS later this year when they will be in South Africa as keynote speakers at the GISSA Ukubuzana 2012 conference in Ekurhuleni, Johannesburg (eepublishers.co.za/article/gissa-ukubuzana-2012.html).

The ICA Commission on Open Source Geospatial Technologies aims to promote multi-national holistic research in free and open source geospatial technologies in order to make the latest developments in open source tools accessible to the wider cartographic community. The Commission attempts to enhance the usage of free and open source geospatial tools among the cartographic community worldwide, especially for education and research.

The MoU aims to provide expertise and support for the establishment of Open-source Geospatial Laboratories and Research Centres across the world to support the development of open source geospatial software technologies, training and expertise. The goal is to establish five laboratories in Asia, Europe, Africa, the Americas and Australasia during the first phase. These will act as nodes for future expansion. The MoU also aims to provide support for building up and supporting the development of open source GIS teaching and training materials, and the joint organisation of open source GIS events and workshops through the ICA network in order to encourage wider participation globally.

Serena Coetzee | Member | ICA Commission on Open Source Geospatial Technologies | South Africa ●

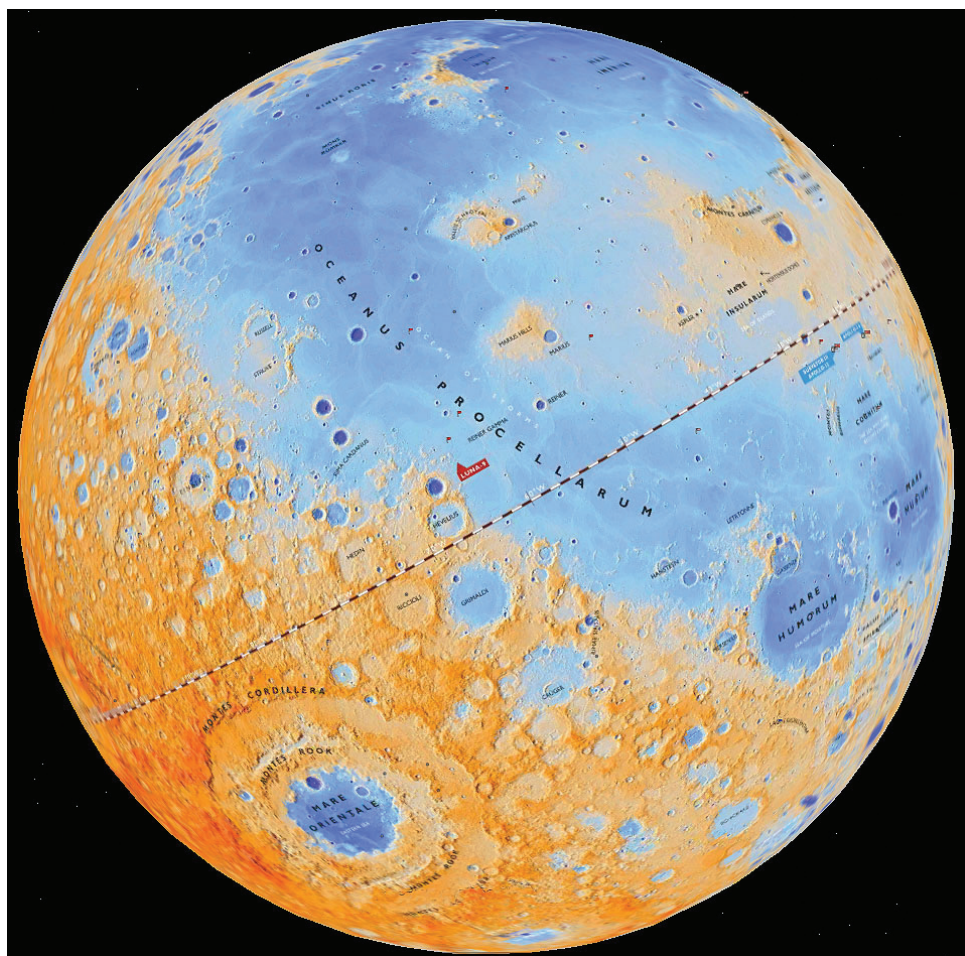
Planetary Cartography

planetcarto.wordpress.com/

Commission Activities

We have successfully applied for Europlanet Research Infrastructure funding from the European Commission for a one-year project on creating multilingual planetary maps online for use in education. The aim of the project is to make planetary maps available and accessible for elementary and secondary school students in their language. The "student-friendly" maps will include descriptions and photos of selected features. The material will be freely downloadable and will have a special focus on comparison to terrestrial features in order to link them to geography curricula.

In December 2011, we created the virtual topographic globe of the Moon using LRO data, viewable in Google Earth. It shows



Topographic globe of the Moon created by members of the ICA Commission on Planetary Cartography | Image courtesy of Henrik Hargitai

formally named features (in Latin and English), informally named geological features and landing sites. The image was sourced from LROC data courtesy of NASA/GSFC/Arizona State University/DLR (lroc.sese.asu.edu).

We have a new website and established a Facebook profile with very limited success. For those who are interested in the intersection of art and science in cartography, we have started a blog called *Planetary DatArt* where we collect samples of artistically interesting maps and charts that use a creative mapping technique in visualizing planetary surface features or phenomena. This blog is now accessible from planetarydatart.blogspot.com/. We organized an exhibition of European planetary maps at the *Mars – Connecting Planetary Scientists in Europe* Conference in Budapest, June 2012 (www.konkoly.hu/MPSE/). This ESA sponsored conference is organized to support planetary science in Europe.

Meetings in Moscow, Russia

The Commission on Planetary Cartography gathered planetary and earth scientists, cartographers and students involved in the mapping of Solar System bodies at its meeting on 11 July 2012 at MIIGAIK in Moscow. The meeting specifically focused on creating a framework for a textbook for students learning

planetary mapping and discussed how planetary science results are communicated to the general public through cartographic products. Topics included methods in planetary mapping; map design; nomenclature; planetary cartographic resources and databases; results from recently imaged bodies; small scale global and very large scale local maps; mapping landing sites; thematic mapping; planetary maps in the news media; planetary maps in school atlases and textbooks; digital/online planetary maps. We also discussed strategies on how to extend our activities beyond Europe.

The event was linked with the Summer School organized by the Extraterrestrial Laboratory of MIIGAIK with support from DLR, TUB, FUB and ICA, held between 9-13 July 2012.

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

Use and User Issues

www.univie.ac.at/icacomuse/

Commission Activities

Since its involvement in the ICC 2011 activities in Paris, the ICA Commission on Use and User

Issues continues to be very active. Our Commission participated in the meetings of all Commission Chairs with the new ICA Executive in Vienna in November 2011 and made use of the opportunity to attend several Commission business meetings.

As a follow-up from a special meeting with representatives of the National Mapping Organizations at ICC 2011, a Commission member Jenny Harding from Ordnance Survey (UK) executed an online survey, in which she asked whether these organizations would be interested in sharing knowledge, thoughts and information on the use and user issues related to the geographic information they provide. A report on the outcomes of the survey is accessible through our website. The main conclusion is that there is an interest in forming a dedicated Project Group which could operate under the wings of our Commission. The Commission supported the 4th Workshop on Usability of Geographic Information held on 17 January 2012 in Newcastle, UK. The topic of this workshop was *2D, 3D and moving usability findings into information design*.

Later in 2012, the Commission will have business meetings at Ghent University in Belgium and will co-organize the Symposium on Service-Oriented Mapping (SOMAP) 2012 which will be held in Vienna, 22-23 November.

A brand new and exciting activity of the Commission is the Workshop on *Designing and Conducting User Studies* which will be held in conjunction with AutoCarto 2012 on 16 September 2012 in Columbus, Ohio, USA. The workshop has a modular structure and is a joint project with the ICA Commission on Cognitive Visualization. The workshop is aimed primarily at postgraduate students, but should also be of interest to established researchers who are new to user studies. The plan is to develop further modules (e.g. on the application of specific methods and techniques of use and user research) and make it possible to organize workshops everywhere in the world, for instance in conjunction with other cartographic or geographic events.

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

Members of the Commission on Use and User Issues (from left) David Forrest, Corné van Elzakker, David Schobesberger, Alex Pucher and Kristien Ooms at a business meeting in Vienna | Photograph courtesy of Corné van Elzakker



IGU 2011 Regional Conference



The International Geographical Union (IGU) Regional Conference was held in Santiago, Chile, with the slogan *United and Integrated with the*

World, over the period 14-18 November 2011. The International Cartographic Association (ICA) and several other sponsors and patrons supported the Conference. For those who attended the 24th ICC in November 2009, several aspects of UGI 2011 were familiar. The local organisers, the Military Geographic Institute (IGM) and the firm FISA S.A., as well as the conference venue, technical visits, and the Gala Dinner were all the same as in 2009. It is important to point out that the IGM is the headquarter of the Chilean National Committees for both the ICA and the IGU.

In 2010 the Executive Committee of ICA accepted the proposal from the Chilean National Committee to see ICA as one of the patrons of UGI 2011. A delegation from the UGI 2011 Local Organising Committee (LOC) attended the 25th ICC in Paris in June 2011. The UGI 2011 conference itself was a success with the number of attendees and papers presented surpassing the equivalent figures for ICC 2009. Prof Paulo de Menezes, Vice President of ICA from Brazil, represented ICA at the UGI 2011. The papers and posters were grouped into 38 themes, including some highly influenced by cartographic issues, such as theme no 12 *Geographic Information Science*. IGM and the UGI 2011 LOC thank the ICA for its patronage of this major geographic conference.

Edwin Hunt | Instituto Geográfico Militar | Chile ●

6th Cartographic Day

Approximately 150 delegates from the Czech Republic and Slovakia participated in the 6th Cartographic Day held at Palacký University in Olomouc, Czech Republic on 24 February 2012. The event was coordinated by Prof Vít Voženílek and organised in cooperation with the Cartographic Society of the Czech Republic. This year, this traditional event focused on the modern concept of thematic mapping in landscape ecology. Beside five invited lectures, three scientific atlases were introduced and analysed.

Prof Kozova and Dr Pauditsova (Slovakia) presented the main scientific challenges and

issues in the field of landscape ecology. They discussed several topics concerned with thematic mapping, for example sustainable development, the interaction between natural and social impacts on the landscape and risk implications in development and territorial planning.

Dr Hrnčiarova (Slovakia) presented the Atlas of landscape of the Slovak Republic and in particular addressed aspects of landscape visualization on maps. She stressed the importance of landscape classification, its objects and phenomena, the analytical methodologies used, and homogenization and resultant fusion, which are designed to study processes in the landscape. Her arguments were presented using maps from the Atlas.

Similarly, Dr Planka, Dr Mackovcin and Dr Kubicek introduced Atlas of landscape of the Czech Republic. They discussed the challenges associated with the planning process, such as concept for the Atlas, creation of the core research team, selection of suitable staff and finding a funding institution that would sponsor the entire project. Some cartographic issues were also addressed.

The last lecture was devoted to the Atlas of phenological conditions of Czechia, completed at the University of Olomouc and presented by Eng Hajkova, MSc Vavra, and Dr Vondráková. They discussed both technological and non-technological issues of the Atlas and presented new approaches to visualising phenological stages.

All atlases were presented in a paper form and were deemed as good examples of modern atlas production. The audience, consisting of cartographers and landscape ecologists, as well

Sample of publication of the Department of Geoinformatics, Palacký University Olomouc |
Photography DoGI



Discussion on the Atlas of the landscape of the Czech Republic | Photography DoGI

as researchers, practitioners and students, discussed many topics relating to cartography in general. The organisers confirmed their intention to continue with free Cartographic Days in Olomouc in the coming years. For more information, please visit www.geoinformatics.upol.cz/eindex.php.

Vaclav Talhofer | Cartographic Society of the Czech Republic | Czech Republic ●

Celebrating Geodesy and Cartography in Slovenia

The Slovenian Association of Surveyors, a national representative to the ICA, in cooperation with partners decided to organize several events to celebrate the *1st Day of the European Surveyor and GeoInformation*, an initiative of the Council of European Geodetic Surveyors (CLGE). The events were thematically related to cartography and its development through history.

The first event, which took place in the National and University Library, was an exhibition of old maps representing Slovenia in its current territorial extent and made by Slovenian and foreign cartographers, including Mercator's Atlas. The exhibition was open to the public for more than a month, while on 5 March 2012, the day of 500th anniversary of Gerhard Mercator's birth, a discussion devoted to the development and importance of cartography was facilitated by the exhibition authors Dr Renata Šolar and MSc Jerneja Fridl, with participation of Dr Dušan Petrovič, Dr Branko Janež Rojc, Dr Milan Orožen Adamič and Dr Tomaž Podobnikar.

In the evening of the same day, a formal occasion was held in the atrium of the Scientific Research Centre of the Slovene Academy of Sciences and Arts, under the patronage of President of the Republic of Slovenia Dr Danilo Türk and with participation of honoured guests. In his keynote address, President Türk emphasized land management



Participants of the celebration programme at the Scientific Research Centre of the Slovene Academy of Sciences and Arts on 5 March 2012, Slovenia; (in front) two most prominent Slovenian cartographers, Dr Branko Janez Rojc and Viljem Kos shortly after receiving awards for their lifework in the field of cartography | *Photography I Karničnik*

as one of the main constituent elements of a statehood and stressed that the management of spatial data is also an important responsibility of the State.

The main speaker was the President of the Association of Surveyors of Slovenia, MSc Jurij Režek, who emphasised the importance of technological and social development of geodesy, the role of National Spatial Data Infrastructure for spatial planning and space management, and the achievements of Slovenian surveyors and cartographers. The programme continued with the première of an educational documentary movie *From Mercator to Galileo*, directed and produced by Kino Svečina, and available from www.youtube.com/watch?v=Pats9G-r38w&feature=youtu.be. The movie highlights the importance of geodesy and its role in contemporary society and is intended to be also broadcast on national television. In the last part of celebration, two most prominent Slovenian cartographers, Dr Branko Janez Rojc and Mr Viljem Kos

President of the Republic of Slovenia, Dr Danilo Türk, addresses the audience | *Photography I Karničnik*



were honoured for their lifelong contribution to the field of cartography.

The celebration programme was enriched by the Horn Quartet of the Slovenian Philharmonic Orchestra, playing songs of the Flemish composers Josquin des Prez and Orlando de Lassus, contemporaries of Gerhard Mercator.

Dušan Petrovič | University of Ljubljana | Slovenia ●

Drawing Out Conference

The President of the International Cartographic Association (ICA) Georg Gartner and Immediate Past President William Cartwright attended the *Drawing Out 2012* conference in London, 28-30 March 2012. The conference was jointly organised by the University of the Arts, London and RMIT University, Melbourne. The Universities jointly ran *Drawing Out 2010* at RMIT in Melbourne, where Professor Gartner gave a keynote address as well and Professor Cartwright contributed papers (see report in the *ICA News* No 54, June 2010, page 13).

This conference brought together all disciplines involved in 'drawing' – from art to technology to science. It explored the transdisciplinary nature of 'drawing' and this is reflected by the topics addressed by keynote speakers, conference presenters and associated exhibitions. Professor Gartner gave a keynote address entitled *Emotional mapping*. This was a significant contribution, as cartography was embraced by the conference organizers as an essential component of 'drawing'.

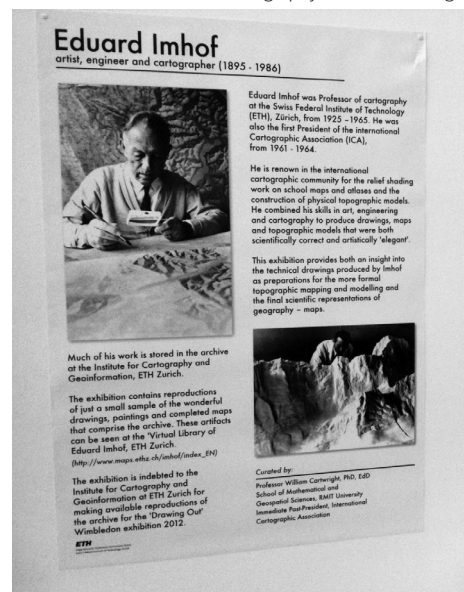
As well as formal presentations, there were three exhibitions:

- Conscious Collective – Organised by Dr Emma Barrow, School of Art, RMIT, group exhibition
- Contemporary Australian Drawing 2 – Curator Dr Irene Barberis, School of Art, RMIT
- Eduard Imhof – artist, engineer and cartographer (1895-1986) – Curator Professor William Cartwright, School of Mathematical and Geospatial Sciences, RMIT

The Eduard Imhof exhibition provided both an insight into the technical drawings produced by Professor Imhof as preparations for the more formal topographic mapping and modelling and the final scientific representations of geography – maps. The exhibition contained reproductions of just a small sample of the wonderful drawings, paintings and completed maps that comprise the archive at the Institute for Cartography and Geoinformation, ETH Zurich, Switzerland. Professor Cartwright is indebted to ETH Zurich for enabling reproductions of the archive to be exhibited at the *Drawing Out 2012* exhibition.

William Cartwright | RMIT University | Australia ●

Eduard Imhof – Artist, Engineer and Cartographer exhibition at *Drawing Out 2012* Conference, London | *Photography William Cartwright*



calendar

july 2012

02-04: Interdisciplinary Conference on Digital Cultural Heritage / InterCarto 18 | Saint Dié des Vosges | *France* | intercarto18.net/

08-11: 2012 International Geospatial Forum | *Global Connections through Mapping* | Brisbane | *Australia* | www.imtamaps.org

28-31: ICA Workshop on Ubiquitous Mapping | Tokyo and Kesennuma | *Japan* | ubimap.csis.u-tokyo.ac.jp/index.php/event

august

29-31: 2nd ICA Regional Symposium on Cartography for Australasia and Oceania / GeoCart'2012 | *Cartographic Convergence: Interweaving Data and Knowledge* | Auckland | *New Zealand* | web.env.auckland.ac.nz/public/geocart2012/

september

01-05: 8th ICA Mountain Cartography Workshop | *Mapping Mountain Dynamics: From Glaciers to Volcanoes* | Taurewa, Tongariro National Park | *New Zealand* | web.env.auckland.ac.nz/public/mcw2012/

13-14: 15th ICA / EuroSDR Workshop on Generalisation | Istanbul | *Turkey* | generalisation.icaci.org/index.php/activities/9-commission-workshop-2012

16-18: 19th AutoCarto 2012 : International Symposium on Automated Cartography | Columbus, Ohio | *USA* | www.cartogis.org/autocarto.php

18: ICA Workshop on GeoVisual Analytics | *Time to Focus on Time* | Columbus, Ohio | *USA* | [geanalytics.net/GeoVA\(t\)2012/](http://geanalytics.net/GeoVA(t)2012/)

25-29: 4th Croatian NSDI and INSPIRE Day / 8th Cartography and Geoinformation Conference | Zagreb | *Croatia* | www.kartografija.hr/

october

07-11: COBRAC-2012 : X Congress of Multipurpose Technical Cadastre | Florianópolis, Santa Catarina | *Brazil* | www.cobrac.ufsc.br/en

16-18: LBS 2012 : 9th Symposium on Location Based Services | Munich | *Germany* | www.lbs2012.tum.de/

21: ICA Workshop on City Atlases | Guangzhou | *China*

november

22-23: SOMAP 2012 : International Symposium on Service-Oriented Mapping | Vienna | *Austria* | somap.cartography.at/

december 2012

13-15: Gi4DM : 8th International Symposium on Geoinformation and Disaster Management | Enschede | *The Netherlands* | www.gi4dm.net/2012/

august 2013

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

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Ordnance Survey | *United Kingdom* | www.ordnancesurvey.co.uk
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Regional Centre for Training in Aerospace Surveys (Rectas) | *Nigeria* | www.rectas.org
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Star Informatic Publishing Solutions | *Belgium* | www.star.be
Attn: Paul Duré | paul.dure@star.be

SuperMap Software | *China* | www.supermap.com
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Union of Chambers of Turkish Engineers and Architects, Chamber of Surveying and Cadastre Engineers (UCTEA-CSCE) | *Turkey* | www.hkmo.org.tr
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United Nations Cartographic Section | *United Nations* | www.un.org/depts/cartographic/english/htmain.htm
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ICA welcomes new affiliate members; for more information, please contact:

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children's map gallery 2011 winners



ICA
 Juan Edwin Kusmartin | 10 | *Living In a Globalized World In One Ark* |
 Damai Primary School: Tambora, West
 Jakarta | Indonesia

ACI

Arian Karimi Jahromi | 15 | *Living In the Globalized World Is Like a Music Playing And Continents Are Its Alphabets. When You Play All Together It Has Meaning* |
 Allameh Helli High School: Brojerd | Iran

Alisa Yurchenko | 7 | *We And Our World* | Center
 of Creative and Arts Education, Drawing Group
 Fantasy: Omsk | Russia



winners

10 Editions of Barbara Petchenik Children's World Map Award

01 : 1993

André Nguyen Machiaverni | 11 | *Brazil*
 Lekavicius Alfonsas | 11 | *Lithuania*
 Taiga Marthens | 11 | *United States*
 Trihedi Oktianto | 12 | *Indonesia*
 Jana Duranková | 13 | *Slovak Republic*
 Yui Seito | 13 | *Japan*
 Henry Huang | 14 | *United Kingdom*
 Horváth Ágnes | 15 | *Hungary*
 Paul Bratu | 15 | *Romania*
 RM Sisara Samanmali Ratnayake | 15 | *Sri Lanka*

02 : 1995

Stefan Thompson Folch | 5 | *Chile*
 Benjamin Nicholls | 7 | *United Kingdom*
 Łukasz Rybak | 11 | *Poland*
 Marissa Cancellieri | 12 | *United States*
 Nguyen Thi Phuong Anh | 12 | *Vietnam*
 Candice Winterboer | 14 | *South Africa*
 Julia Papp | 14 | *Hungary*
 Kathryn Hamill | 14 | *Australia*
 Jana Duranková | 15 | *Slovak Republic*
 Jonathan Limones Lopez and Juan Jose Febrere Garcia |
 15 | *Spain*

03 : 1997

Liu Xinxian | 10 | *China*
 Svytlana Feklyna | 10 | *Ukraine*
 Jacek Majewski | 11 | *Poland*
 Spyros Talaganis | 12 | *Greece*
 Anita Matković | 14 | *Croatia*
 Margarita Ivette Villar M | 15 | *Mexico*
 Mia Müller | 15 | *South Africa*
 Karlie Weston | – | *Australia*

04 : 1999

Nikola Zlatanov | 7 | *Bulgaria*
 Emmanouil Kopanezos | 11 | *Greece*
 József Bodor | 11 | *Hungary*
 Kamila Sojka | 12 | *Poland*

Barry Thierno Hamidou | 14 | *Guinea*
 Mika Hayashi and Nagisa Kawasaki | 14 | *Japan*
 Elizabeth Böhrner | 15 | *Sweden*
 Natalia Vadillo | 15 | *Argentina*

05 : 2001

Kristóf Bárony | 8 | *Hungary*
 Ankita Lamba | 11 | *India*
 Jacqueline C Camargo | 11 | *Brazil*
 Saba Sameti | 11 | *Iran*
 Michaela Klimentova | 12 | *Slovak Republic*
 Patricia Lan | 12 | *Canada*
 Bonnie Ras | 14 | *South Africa*
 Stelios Petrakis | 15 | *Greece*

06 : 2003

Jhonatan Costa Batista | 4 | *Brazil*
 Alessia Del Lungo | 6 | *Italy*
 Nayafakda Ihsania | 8 | *Indonesia*
 Leny Vladimirova Mircheva | 11 | *Bulgaria*
 Gabriella Fink and György Viszti | 12 | *Hungary*
 Patrycja Matuszewska | 12 | *Poland*
 Zhenya Vidyapina | 12 | *Russian Federation*
 Rachelle Domingo, Michael Estalilla, Argielica Jumarang
 and Catherine Ambicki | 13-14 | *Canada*
 Atayan Samvel | 14 | *Belarus*
 Ben Hankins | 14 | *United Kingdom*
 Tércio Silote | 14 | *Brazil*
 Ilse Wiehahn | 15 | *South Africa*

07 : 2005

Shashini Umasha Jayawardena | 8 | *Sri Lanka*
 Holly Harrison | 10 | *United Kingdom*
 Saba Andalib | 10 | *Iran*
 Biaoyunke Zhang | 11 | *China*
 Kelsi Fraser-Easton | 11 | *Canada*
 Daiana Emilova Hadjiiska | 12 | *Bulgaria*
 Evelin Demeter | 12 | *Romania*
 Maria Grieva | 12 | *Russian Federation*
 Alicja Ogorzelska | 13 | *Poland*

Gintare Kvietkute | 13 | *Lithuania*
 Bar Omer and Liora Haimov | 14 | *Israel*
 Nicholas William | 15 | *Indonesia*

08 : 2007

Sama Salah Al Sayed | 4 | *Qatar*
 Lukas Kareiva | 7 | *Lithuania*
 Bitá Porrang | 8 | *Iran*
 M Yafie Abdillah | 8 | *Indonesia*
 Samuel Zúñiga Vélez | 9 | *Spain*
 Alexandra Gavin | 11 | *United Kingdom*
 Katarzyna Fojcik | 11 | *Poland*
 Joanna Ivanova Ivanova | 12 | *Bulgaria*
 Marta Londzin | 13 | *Poland*
 Svitlana Moskalenko | 14 | *Ukraine*
 Yasmin Ahmed Ali | 14 | *Qatar*
 Rita Galkina | 15 | *Russian Federation*

09 : 2009

Dora Sakuntala | 7 | *Indonesia*
 Landon Parish and Joy Jackson | 8 | *United States*
 Adrienn Papp | 8 | *Hungary*
 Karolina Grzabka | 11 | *Poland*
 Beatriz Borroso Gstrein | 12 | *Spain*
 Constanza Jaqueline Soto Lopez | 12 | *Chile*
 Vanessa Giroto Muniz | 12 | *Brazil*
 Alina Vakhitova | 13 | *Russian Federation*
 Benas Turskis | 15 | *Lithuania*
 Daniela Borislovova Karaivanova | 15 | *Bulgaria*

10 : 2011

Alisa Yurchenko | 7 | *Russian Federation*
 Auguste Kriščiunaite | 7 | *Lithuania*
 Juan Edwin Kusmartin | 10 | *Indonesia*
 Robert Breebaart | 11 | *South Africa*
 Ana Carolina Otton Sarmanho | 12 | *Brazil*
 Helena Väinmaa | 13 | *Estonia*
 Arian Karimi Jahromi | 15 | *Iran*
 Hayden Livingstone | 15 | *New Zealand*