

# 28th International Cartography Conference and 17th General Assembly of the International Cartographic Association

Washington DC, USA, 2–7 July 2017

The organiser of the 28th International Cartography Conference was the Cartography and Geographic Information Society (CaGIS), and the organising committee was headed by E. Lynn Usery, Vice-President of the International Cartographic Association (ICA).

The conference was held in the largest hotel in Washington, the Marriot Wardman Park Hotel, in the capital of the United States of America. All three branches of the American government have their seats in Washington (the executive, legislature and judiciary), as do most federal services. Washington is also the seat of the World Bank, the International Monetary Fund, and the Organisation of American States, along with many other international and national institutions. It is also one of the main tourist destinations in the USA.

The conference was extremely well organised and everything ran according to plan. There were about 900 participants from all over the world, around 200 posters were exhibited, and almost 500 oral presentations delivered. The conference papers presented were published online, in journals (*CaGIS*, *Cartographica*, *The Cartographic Journal*, *International Journal of Cartography*) or in *Advances in Cartography and GIScience*, published in the *Springer Lecture Notes in Geoinformation and Cartography* series.

The papers which were accepted were divided into 40 groups:

- Visual analytics, geovisualization, and dynamic cartography.
- Spatial analysis, geocomputation, modelling, and data mining.
- Virtual reality, augmented reality, 3D mapping, and Geodesign.
- Generalization, multi-resolution data, and multi-scale representation.
- Thematic cartography and multivariate data mapping.
- Bertin's "Sémiologie Graphique" at 50 years; semiology.
- User studies; user experience and usability; user interface design.
- Cognitive issues in map use and design.
- Children and cartography.
- Accessible cartography for people with disabilities.
- Education and training in cartography and geospatial technologies.
- Outreach, geospatial MOOCs, and sharing mapping methods beyond cartography.
- Design of maps.
- Arts and culture; spatial digital humanities.
- History of cartography and historical cartography.
- Digital issues in cartographic heritage; map and geoinformation curatorship.
- Ubiquitous cartography and theoretical cartography.
- Critical cartography; GIS and society.
- Web cartography; map services and apps; GIS cloud computing.
- Collaborative mapping, volunteered geographic information, and crowdsourcing.
- Open source mapping and open geospatial data.
- Location based services, geospatial prospecting, and privacy issues.
- Intellectual property rights in mapping and geospatial data.
- Management, workflows, and supply chains for map publishing and geospatial products.
- Atlas cartography: advances in structure, design, and technology use.
- Spatial semantics and ontologies; spatial data infrastructures; interoperability.
- Quality of geospatial data, maps/charts; data integration, metadata, and standards.
- Big data; sensor networks and remotely-sensed data for mapping; feature extraction from lidar.
- Projections, coordinate systems, transformations, and conversions.
- Topographic mapping; design and update of national mapping series.
- Toponyms: place names as cultural heritage, place-name conflicts, toponymic field work and documentation.
- Mountain cartography and terrain representations; recreation and orienteering maps.
- Cadastral mapping; mapping for city management.
- Digital Transportation Infrastructure: highly precise and continuously updated road models for autonomous vehicles.
- Marine and aeronautical cartography, navigation charts and data, baselines, and sovereign zones.
- Geospatial intelligence and military cartography.
- Early warning, risk reduction, and crisis management using maps

## 28. međunarodna kartografska konferencija i 17. generalna skupština Međunarodnoga kartografskog društva

Washington D.C., SAD, 2–7. srpnja 2017.

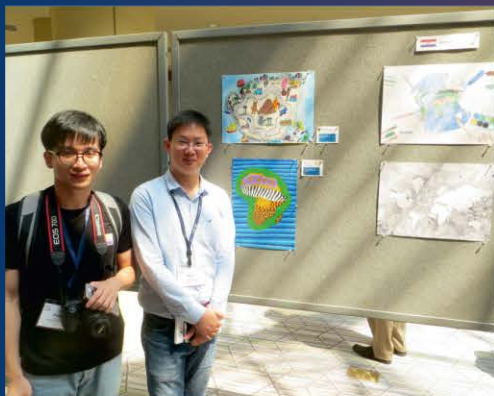
Organizator 28. međunarodne kartografske konferencije bilo je Društvo za kartografiju i geografske informacije (The Cartography and Geographic Information Society – CaGIS), a na čelu Organizacijskog odbora bio je E. Lynn Usery, podpredsjednik Međunarodnoga kartografskog društva (International Cartographic Association – ICA).

Konferencija je održana u najvećem hotelu u Washingtonu, glavnom gradu Sjedinjenih Američkih Država, u hotelu the Marriott Wardman Park. U Washingtonu su sjedišta sve tri grane američke savezne vlade (izvršne, zakonodavne i sudske), kao i sjedišta većine saveznih službi. Washington je usto sjedište Svjetske banke, Međunarodnog monetarnog fonda i Organizacije američkih država, kao i mnogih drugih međunarodnih i nacionalnih ustanova. Washington je jedno od glavnih turističkih odredišta u SAD-u.

Konferencija je bila vrlo dobro organizirana i sve se odvijalo po planu. Na konferenciji je bilo gotovo 900 sudionika iz cijelog svijeta koji su izložili blizu 200 postera i održali gotovo 500 usmenih izlaganja. Radovi koji su prezentirani na konferenciji objavljeni su u online zborniku radova, u jednom od časopisa (*CaGIS*, *Cartographica*, *The Cartographic Journal*, *International Journal of Cartography*) ili u knjizi *Advances in Cartography and GIScience* objavljenoj u nizu Springer *Lecture Notes in Geoinformation and Cartography*).

Prihvaćeni radovi podijeljeni su u 40 skupina:

- Vizualna analitika, geovizualizacija i dinamička kartografija
- Prostorna analiza, georačunanje, modeliranje i rudarenje podataka
- Virtualna stvarnost, uvećana stvarnost, 3D kartiranje i geodizajn
- Generalizacija, podaci u više rezolucija, i prikazi u više mjerila
- Tematska kartografija i kartiranje vićeg broja varijabli, semiologija
- Proučavanje korisnika, korisničko iskustvo i upotrebljivost, oblikovanje korisničkog sučelja
- Kognitivna pitanja u upotrebi i dizajnu karata
- Djeca i kartografija
- Pristupačnost kartografije osobama s poteškoćama
- Obrazovanje i vježbanje u kartografiji i geoprostornim tehnologijama
- Masovni otvoreni online tečajevi (MOOCs – massive open online courses) i dijeljenje metoda kartiranja izvan kartografije
- Oblikovanje karata
- Umjetnost i kultura, prostorne digitalne humanističke znanosti
- Povijest kartografije i povijesna kartografija
- Digitalna pitanja u kartografskoj baštini, poslovi kustosa s kartama i geoinformacijama
- Sveprisutna kartografija i teorijska kartografija
- Kritička kartografija, GIS i društvo
- Web-kartografija, kartografski servisi i aplikacije, računarstvo u oblaku i GIS
- Suradničko kartiranje, volonterske geografske informacije i mnoštveno prikupljanje informacija
- Kartiranje s otvorenim izvorom (open source) i otvoreni geoprostorni podaci
- Usluge utemeljene na položaju, geoprostorna istraživanja i pitanja privatnosti
- Autorsko pravo u kartiranju i geoprostornim podacima
- Menedžment, tok rada i lanci snabdijevanja za objavljivanje karata i geoprostornih proizvoda
- Atlasna kartografija: napredak u strukturi, dizajnu i upotrebi tehnologije
- Prostorne semantike i ontologije, infrastrukture prostornih podataka, interoperabilnost
- Kvaliteta geoprostornih podataka i karata, integracija podataka, metapodaci i standardi
- Veliki podaci, mreže senzora i podaci dobiveni daljinskim istraživanjem za kartiranje, izdvanjanje objekata iz lidara
- Projekcije, koordinatni sustavi, transformacije i konverzije
- Topografsko kartiranje, oblikovanje i ažuriranje nacionalnih nizova karata
- Toponimi: smještaj imena kao kulturna baština, sukobljavanje mjesta s imenima, toponimski rad na terenu i dokumentiranje
- Planinska kartografija i prikaz terena, orijentacijske i rekreacijske karte
- Katastarsko kartiranje, kartiranje za upravljanje gradovima
- Digitalna prometna infrastruktura: visoko precizni i neprekidno osuvremenjavni modeli cesta za samohodna vozila
- Pomorska i zrakoplovna kartografija, karte i podaci za navigaciju, osnovne linije i zone suvereniteta
- Geoprostorno obavještanje i vojna kartografija



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- Rano upozoravanje, smanjivanje rizika i upravljanje kriznim situacijama upotrebom karata i sustavima geoprostornih informacija
- Održivi razvoj, adaptivno i elastično kartiranje
- Planetarna, ekstrasolarna i nebeska kartografija
- Razvoj intenzivno kartiranih područja: globalne promjene, tla, geologija, poljoprivreda, humanitarni programi, kriminal, infrastruktura itd.

Prije službenog otvaranja konferencije održano je nekoliko radionica, među kojima i radionica o kartografskim projekcijama koju je vodio M. Lapaine. U sklopu te radionice održane su ove prezentacije:

1. Kritički pregled upotrebe razvojnih ploha u teoriji kartografskih projekcija (M. Lapaine)
2. Standardizacija u kartografskim projekcijama (M. Lapaine)
3. Uključivanje projekcija ruskih karata u proj4 (M. Nyrtsov)
4. Uključivanje projekcija troosnog elipsoida u teoriju kartografskih projekcija (M. Nyrtsov)

Službeno otvaranje konferencije bilo je uistinu svečano uz govore dobrodošlice i tipičnu gospel glazbu u izvođenju the Howard University Gospel Choir. Bila je izvedena i himna ICA-e komponirana 2015. za konferenciju u Rio de Janeiru. Pozdrave su uputili predsjednik ICA-e, predsjedavajući CaGIS-a, predstavnici organizacijskih odbora i direktorica the National Geospatial Technical Operations Center (NGTOC), kartografske organizacije USGS-a, Kari Craun. Podsjećam da smo njezin govor objavili u prošlom broju *Kartografije i geoinformacija* (2017, vol. 16, br. 27, 4–11).

Svakog dana bilo je po jedno pozvano predavanje, a predavači su bili: Tom Patterson, US National Park Service; Robert Cardillo, direktor US National Geospatial Intelligence; Lee Schwartz, geograf u US Department of State i Mikel Maron iz tvrtke Mapbox.

### Nagrade ICA-e u 2017.

Počasni članovi (Honorary Fellows) ICA-e postali su Bill Cartwright, Anne Ruas i Timoty Trainer, a diplomu za posebne zasluge (Diplomas for outstanding services to ICA) dobili su Igor Drecki, Cynthia Brewer, Aileen Buckley i Matthew Rice.

Vrijedno je spomenuti da je u čast doprinosna prof. Harolda Moelleringa kartografiji i znanosti o GIS-u održana svečanost (Collaborative Reflections on Dr. Harold Moellering's Contribution to Cartography and GIScience) na kojoj su se njegovi suradnici prisjetili znanstvenih dostignuća koja je on postigao u svojoj dugoj i plodnoj karijeri.

### Međunarodna izložba karata

Nakon otvaranja konferencije uslijedilo je otvaranje međunarodne kartografske izložbe i izložbe dječjih crteža. Na međunarodnoj izložbi karata bilo je izloženo nekoliko stotina karata na papiru i digitalnih proizvoda koji su bili podijeljeni u sljedeće kategorije:

- Karte na panelima
- Pomorske i zrakoplovne karte
- Atlasi
- Digitalni proizvodi
- Kartografski obrazovni proizvodi
- Ostali kartografski proizvodi

Žiri u kojem je bilo 11 kartografskih stručnjaka odabrao je po tri pobjednika u svakoj kategoriji. Hrvatska je sudjelovala sa sljedećim izoščima:

1. Topografska karta, list 25-1-108-14 Požega u mjerilu 1:25 000, izdanje Državne geodetske uprave, 2017.
2. Topografska karta, list 50-123-154 Dubrovnik (sjever) u mjerilu 1:50 000, izdanje Državne geodetske uprave, 2016.
3. Osnovna geološka karta Republike Hrvatske u mjerilu 1:50 000, list Dugi otok, izdavač Hrvatski geološki institut, 2016.
4. Vojna zrakoplovna karta RH (Low Flying Chart – Croatia), mjerilo 1:500 000, autor KLK Križovan,

izdavač Ministarstvo obrane Republike Hrvatske, 2015.

5. Studentsko 30-satno putovanje kroz izradu karata, autori studenti kolegija Digitalna kartografija na Geodetskom fakultetu Sveučilišta u Zagrebu, 2016/17, autori plakata Ana Kuveždić Divjak i Dražen Tučić.

U kategoriji ostalih kartografskih proizvoda Hrvatsko kartografsko društvo izložilo je dva izdanja časopisa *Kartografija i geoinformacije* (2015, vol.14, br. 24 i 2016, vol. 15, br. 25) i zbornik *12th Conference on Cartography and Geoinformation on the Occasion of the World GIS Day, Program and Abstracts*, 2016.

Pobjedničke karte mogu se pogledati na internetskoj adresi <http://icaci.org/recipients-of-the-ica-map-awards-2017/>.

### Izložba dječjih likovnih radova

Nagradu Barbara Petchenik pokrenulo je Međunarodno kartografsko društvo (International Cartographic Association – ICA) 1993. godine kao uspomenu na Barbaru Petchenik, dopredsjednicu toga društva i kartografinju koja je cijeli život radila s kartama i djecom. Nagrade se dodjeljuju svake druge godine za vrijeme međunarodne kartografske konferencije, po mogućnosti barem jedna za svaki kontinent, s posebnom pažnjom posvećenom dobi djeteta koje je nacrtao crtež. Ciljevi natjecanja su promoviranje dječjeg kreativnog prikazivanja svijeta u grafičkom obliku, poboljšanje njihove kartografske percepcije i percepcije okoline.

Natjecanje u Hrvatskoj provelo je Hrvatsko kartografsko društvo. Na natječaj je stiglo 306 dječjih likovnih radova. Povjerenstvo u sastavu red. prof. art. Ines Krasić i doc. art. Igor Čabraja s Akademije likovnih umjetnosti Sveučilišta u Zagrebu, prof. dr. sc. Miljenko Lapaine i doc. dr. sc. Ivka Kljajić s Geodetskog fakulteta Sveučilišta u Zagrebu izabralo je šest najboljih dječjih radova na temu "Volimo karte" (We love maps) koji su bili

and geospatial information systems.

- Sustainable development; adaptation and resiliency mapping.
- Planetary, extrasolar, and celestial cartography.
- Developments in intensively mapped domains: global change, soils, geology, agriculture, humanitarian programs, crime, facilities management, etc.

Several workshops were held before the official conference began, including one on cartographic projections led by M. Lapaine. The workshop included the following presentations:

1. Critical overview of the use of developable surfaces in map projections (M. Lapaine)
2. Standardisation in map projections (M. Lapaine)
3. Inclusion of projections of Russian maps in proj4 (M. Nyrtsov)
4. Inclusion of projections of the triaxial ellipsoid in the theory of map projections (M. Nyrtsov)

The official opening ceremony was indeed impressive, with welcoming speeches and gospel songs performed by the Howard University Gospel Choir. The ICA anthem, composed in 2015 at the conference in Rio de Janeiro, was also performed. The Presidents of the ICA and CaGIS, representatives of the organising committee and the Director of the National Geospatial Technical Operations Center (NGTOC – the USGS cartographic organisation), Kari Craun, gave addresses. Craun's speech was published in the last issue of *Cartography and Geoinformation* (2017, vol. 16, no. 27, 4–11).

Each day, a guest lecturer made a presentation, and these were: Tom Patterson, US National Park Service; Robert Cardillo, Director of US National Geospatial Intelligence; Lee Schwartz, geographer at the US State Department, and Mikel Maron of Mapbox.

#### ICA Awards 2017

Bill Cartwright, Anne Ruas and Timothy Trainer were made Honorary

Fellows, and Diplomas for Outstanding Services to ICA were awarded to Igor Drecki, Cynthia Brewer, Aileen Buckley and Matthew Rice.

A special session was held in honour of Prof. Harold Moellering (*Collaborative Reflections on Dr. Harold Moellering's Contribution to Cartography and GIScience*), at which his associates recalled his scientific achievements during a long, fruitful career.

#### International Map Exhibition

The opening ceremony was followed by the opening of the International Map Exhibition and a display of children's drawings. Several hundred maps, presented on paper or digital products, were divided into the following categories:

- Maps on panels
- Maritime and aeronautical charts
- Atlases
- Digital products
- Educational cartography products
- Other cartography products

The jury, which consisted of 11 cartographic experts, selected three winners in each category. Croatia submitted the following entries:

1. Topographic map, sheet 25-1-108-14, Požega, scale 1:25 000, issued by the State Geodetic Administration, 2017
2. Topographic map, sheet 50-123-154, Dubrovnik (north), scale 1:50 000, issued by the State Geodetic Administration, 2016
3. Basic Geological Map of the Republic of Croatia, scale 1:50 000, sheet of Dugi Otok, published by the Croatian Geological Survey, 2016
4. Military aeronautical map of the Republic of Croatia (Low Flying Chart – Croatia), scale 1:500 000, by KLIK Križovan, published by the Ministry of Defence of the Republic of Croatia, 2015
5. A Thirty-Hour Student Trip Through Map-Making, by students of Digital Cartography at the Faculty of Geodesy, University of Zagreb, 2016/17, poster design

by Ana Kuveždić Divjak and Dražen Tutić.

In the category 'Other Cartography Products', the Croatian Cartography Society exhibited two issues of *Cartography and Geoinformation* (2015, vol. 14 no. 24, and 2016, vol. 15, no. 25) and the conference proceedings from the *12th Conference on Cartography and Geoinformation on the Occasion of World GIS Day, Program and Abstracts*, 2016.

The winning entries can be viewed at <http://icaci.org/recipients-of-the-ica-map-awards-2017/>

#### Barbara Petchenik Children's World Map Competition

The Barbara Petchenik Awards were launched by the ICA in 1993 in memory of one of its vice-presidents, a cartographer who spent her whole life working with maps and children. The awards are presented every two years during the International Cartography Conference to children from each continent, if possible, paying particular attention to their age. The aim of the competition is to encourage children to present the world creatively in a graphic form, thus improving their perception of cartography and the environment.

The Croatian Cartographic Society organized the competition in Croatia, and 306 entries were received. The judges were Prof. Art. Ines Krsić and Assist. Prof. Art. Igor Čabraja from the Academy of Fine Arts, University of Zagreb, and Prof. Dr. Miljenko Lapaine and Assist. Prof. Dr. Ivka Kljajić from the Faculty of Geodesy, University of Zagreb. They chose the six best children's works on the topic We Love Maps to be displayed as part of the exhibition in Washington. These were:

1. Marta Odak (6), A trip to Australia Grigor Vitez Kindergarten, Ratarska 5, 10000 Zagreb
2. Marija Ivok (12), What's a map without colour? Dubovac Elementary School, Primorska 9, 47000 Karlovac
3. Lana Rožman (13), Without the tiniest detail, the world wouldn't be the same



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- Dubovac Elementary School, Primorska 9, 47000 Karlovac
4. Barbara Čuvidić (13), My Earth  
Rajić Elementary School, Trg hrvatskih branitelja 6, 44323 Rajić
  5. Rea Čondrić (15), We choose what we do with the world  
Osijek School of Applied Arts and Design, Krbavska bb, 31000 Osijek

Details of the competition held in Croatia were published in *Cartography and Geoinformation* (2017, vol. 16, no. 27, 178–187). There were 193 children’s works from 34 countries at the exhibition in Washington DC. The jury comprised ten experts, and the winning entries can be viewed at <http://icaci.org/petchenik/>

**Mary Edna Fischer Exhibition**

The contemporary American artist, Mary Edna Fischer, staged an exhibition of large-format works created using traditional batik technique, including aerial photographs, satellite images and modern coloration technology. Her works were suspended from the ceiling of the atrium and showed how maps can contribute to the creative process, even if an artist is not a cartographer in the classical sense. The exhibition was an impressive addition to the Marriot Wardman Park Hotel, where almost all the conference events were held.

**World Cartographic Forum**

At the initiative of Dr. Alex Kent, President of the British Cartographic Society, the leaders of national

cartographic societies throughout the world met on the first day of the International Cartographic Conference in Washington DC to discuss common issues, such as membership, cooperation and encouraging new skills in cartography in a fast-changing world. It was concluded that this forum was successful and that further meetings should be held every two years during the International Cartographic Conference.

**Social Events**

The social content of the conference consisted of a reception after the official opening, a Texas-Style Barbecue Dinner, and an orienteering competition. A number of visits to state and private cartographic institutions were organised, including to the United States Geological Survey, Geography and Map Reading Room at the Library of Congress, National Geographic, National Oceanic and Atmospheric Administration, and others.

**17th ICA General Assembly**

The 17th ICA Extraordinary General Assembly was held on 2 July 2017. The assembly was opened with an address by the President, Menno-Jan Kraak. He explained that the main reason for calling an extraordinary assembly was the proposal to change the ICA Statute and some articles of the by-laws, in order to improve organisational efficiency and enable swifter decision-making.

Due to their failure to pay membership fees, Tanzania and Kazakhstan were excluded, along with these

affiliate members: the Regional Centre for Training in Aerospace Surveys (Rectas) of Nigeria and the University of Balamand in Lebanon. The following became new members of the ICA: Bangladesh, Estonia and Georgia, and affiliate members El Servicio Aerofotogrametrico del General Juan Soler Manfredini de la Fuerza Aerea de Chile (SAF) in Chile, the Independent Institute of Lay Adventist of Kigall in Rwanda, and the Library and Archives Canada in Canada. The ICA now has 72 member states.

The Executive Committee and Commission for the ICA Statute proposed changes to eight articles of the Statute and two articles of by-laws. After a debate, the changes to four articles of the Statute (3, 6, 19 and 24) and two articles of bay-laws (7 and 9) were accepted. Changes to four articles of the Statute (11, 13, 14 and 28) were rejected. The updated ICA Statute and by-laws are available at [icaci.org/ica-statutes/](http://icaci.org/ica-statutes/).

At the close of the 17th General Assembly, the ICA President reported on the work of the Executive Committee over the last two years, and gave information about several initiatives during that period, including the ICA Strategic Plan up to the 18th General Assembly, which will be held in Tokyo as part of the 29th International Cartographic Conference, 15–20 July 2019.

Finally, I would like to congratulate the organisers on the successful 28th International Cartographic Conference. More information on the conference is available at <http://icc2017.org/>.

Miljenko Lapaine ■



izloženi na izložbi dječjih radova u sklopu 28. međunarodne kartografske konferencije u Washingtonu D.C.:

1. Marta Odak (6), Izlet u Australiju / A trip to Australia  
Dječji vrtić Grigora Viteza, Ratarska 5, 10000 Zagreb
2. Marija Ivok (12), Što je karta bez boje? / What's a map without colour?  
Osnovna škola Dubovac, Primorska 9, 47000 Karlovac
3. Lana Rožman (13), I bez najmanjeg detalja svijet ne bi bio isti / Even without the tiniest detail the world wouldn't be the same  
Osnovna škola Dubovac, Primorska 9, 47000 Karlovac
4. Barbara Čuvdić (13), Moja zemlja / My Earth  
Osnovna škola Rajić, Trg hrvatskih branitelja 6, 44323 Rajić
5. Rea Čondrić (15), Biramo što ćemo učiniti sa svijetom / We choose what we do with the world  
Škola primijenjene umjetnosti i dizajna Osijek, Krbavska bb, 31000 Osijek

Detalji o provedenom natječaju u Hrvatskoj objavljeni su u *Kartografiji i geoinformacijama*, 2017, vol. 16, br. 27, 178–187. Na izložbi u Washingtonu D.C. bila su izložena 193 dječja likovna rada iz 34 države. Žiri se sastojao od 10 stručnjaka, a pobjednički dječji radovi mogu se pogledati na internetskoj adresi <http://icaci.org/petchenik/>.

### Izložba Mary Edne Fischer

Suvremena američka umjetnica Mary Edna Fischer izložila je svoja djela velikog formata izrađena u staroj tehnici batika uključivši fotografije iz zrakica, satelitske snimke i suvremenu

tehnologiju bojanja. Njezina umjetnička djela obješena sa stropa atrija pokazala su na koji način karte mogu pridonijeti kreativnom procesu osoba koje nisu kartografi u klasičnom smislu. Ta umjetnička djela dodatno su oplemenila prostor washingtonskog hotela Marriot Wardman Park u kojem su se odvijala gotovo sva događanja.

### Svjetski kartografski forum

Na inicijativu dr. Alexa Kenta, predsjednika Britanskog kartografskog društva, voditelji nacionalnih kartografskih društava diljem svijeta, sastali su se prvoga dana Međunarodne kartografske konferencije u Washingtonu DC da bi razmatrali zajednička pitanja kao što su članstvo, suradnja i poticanje učenja novih vještina kartografiranja u našem svijetu koji se brzo mijenja. Zaključeno je da je Forum bio uspješan i da će se sastanci održavati svake dvije godine za vrijeme međunarodnih kartografskih konferencija.

### Društveni program

Društveni program sadržavao je domjenak nakon svečanog otvaranja konferencije, večeru uz roštilj teksaskom stilu (Texas-Style Barbecue Dinner) i natjecanje u orijentaciji. Organiziran je i niz posjeta vladinim i privatnim kartografskim institucijama kao što su United States Geological Survey, Geography and Map Reading Room at the Library of Congress, National Geographic, National Oceanic and Atmospheric Administration i dr.

### 17. generalna skupština ICA-e

Izvanredna 17. generalna skupština ICA-e održana je 2. 7. 2017.

Zasjedanje skupštine počelo je pozdravnim riječima koje je nazočnima uputio predsjednik ICA-e Menno-Jan Kraak. Objasnio je da je glavni razlog sazivanja izvanredne skupštine prijedlog promjena Statuta ICA-e i člana podstatutarnog akta (by-laws) kako bi se unaprijedila učinkovitost organizacije i omogućilo brže donošenje odluka.

Zbog neplaćanja članarine iz ICA-e su isključeni Tanzanija, i Kazahstan te podupirući članovi Regional Centre for Training in Aerospace Surveys (Rectas) iz Nigerije i University of Balamand iz Libanona. Nove članice ICA-e su Bangladeš, Estonija i Gruzija te podupirući članovi El Servicio Aerofotorametrico del General Juan Soler Manfredini de la Fuerza Aerea de Chile (SAF) iz Čilea, Independent Institute of Lay Adventist of Kigall iz Ruande i Library and Archives Canada iz Kanade. ICA sada ima 72 države članice.

Izvršni odbor i Povjerenstvo za Statut ICA-e predložili su promjene osam članaka Statuta i dva članka podstatutarnog akta. Nakon rasprave prihvaćena je promjena četiri članka Statuta (3, 6, 19 i 24) i dva članka podstatutarnog akta (7 i 9). Nisu prihvaćene promjene četiri članka Statuta (11, 13, 14 i 28). Ažurirani Statut ICA-e i podstatutarni akt dostupni su na web-adresi [icaci.org/ica-statutes/](http://icaci.org/ica-statutes/).

Na kraju zasjedanja 17. generalne skupštine predsjednik je izvijestio o radu Izvršnog odbora tijekom posljednje dvije godine i saopćio nekoliko inicijativa razdoblje sljedećih dviju godina, uključujući novi Stateški plan ICA-e do 18. Generalne skupštine koja će se održati u Tokiju u sklopu s 29. međunarodnom kartografskom konferencijom od 15. do 20. srpnja 2019.

Na kraju želim čestitati na uspješnoj organizaciji 28. međunarodne kartografske konferencije. Detaljne informacije o konferenciji dostupne su na internetskoj adresi <http://icc2017.org/>

Miljenko Lapaine ■