

The Congress has made it possible for the participants in the process of real estate transformation to meet at one place coming from scientific and state institutions, as well as from direct geodetic activity, and to give their contribution to the welfare of geodetic profession and science through well-reasoned, comprehensive and diverse discussions.

The Proceedings were printed on 310 pages before the beginning of the Congress (ISBN 953-97081-2-5), with the edition of 500 copies. It consists of foreword and the contents of 37 papers in Croatian with the title, abstract and key words in English. The editors have invested a great effort and have succeeded in obtaining good results in professional and technical preparation of the Proceedings. It is exceptionally important because after the Congress the Proceedings remain as its reflection. The participants were also given the material

by the State Geodetic Administration connected with the papers within the frame of the themes A and B.

From the cartographic point of view it is interesting to point out that there was a greater number of papers in this respect, and cartography was represented at the Congress additionally as well by a number of map visualisations during the presentation of papers and in more than 30 various thematic cartographic presentations in the Proceedings.

A part of the Congress participants was also honoured by the invitation to the reception organised by the mayor of the City of Zagreb, Milan Bandić. For all Congress participants a festive dinner was organised. In the Crystal Hall of the hotel "Opera" dancing and singing continued till the early morning hours in a relaxed and informal mood.

Zdravko Kapović, Stanislav Frangeš

17th Electoral Meeting of the Remote Sensing and Photointerpretation Scientific Council in the Croatian Academy of Sciences and Arts

In the palace of the Croatian Academy of Sciences and Arts (HAZU) the 17th electoral meeting of Remote Sensing and Photointerpretation Scientific Council in HAZU was held on 11 December 2001. The chair of the meeting was Prof. Dr. Matko Bogunović, the president of the Council. The meeting started with commemorating the academician Petar Krešimir Čolić, former president of the Council, with a minute of silence. The last meeting of the Council was held more than two years ago, due to the illness and then the death of the academician Čolić. The Council was addressed by the representatives of HAZU, the academicians Kaštelan and Meštorv. In their speeches they supported and praised the work of the Council, pointing out especially the publishing of the monograph by Prof. Dr. Marinko Oluić *Photographing and Researching the Earth from Space*, the first work of that extent in Croatia, and of the new issue of Bulletin.

The meeting was continued by the lecture *Application of Remote Sensing in Humanitarian Demining* held by Prof. Dr. Milan Bajić and Prof. Dr. Hrvoje Gold. The lecturers informed the participants with the fact that 500 km² of Croatian territory is still mined, and even 4000 km² is regarded as suspicious area. They explained briefly the structure of the objects covered with mines,

the organisation of counter-mine activity in Croatia, the dynamics of demining and the number of mine victims. HAZU has formed a group of experts that should give a scientific contribution to the demining problem. In the lectures there were also two projects described lasting for almost 3 years: "Aircraft Minefield Area Reduction (ARC)" and "Space and Airborne Mined Area Reduction Tools (SMART)". In both projects data gathering is completely digital, and modern digital cameras have been used for observing. In the project SMART, apart from observing the reflected energy from the Earth's surface, there are also radar observation used penetrating even below the surface. The lecture was completed with the conclusion that the analysis of the obtained data will result in making a judgement about the applicability of such demining research and that we finally have resources to be used for researching in other domains due to these projects and the collaboration with the institutions from other countries. The question was then raised whether a mine can be discovered in such a way followed by the reply that it cannot, but it was only an attempt expected to bring the solution of the problem.

17. izborna skupština Znanstvenog vijeća za daljinska istraživanja i fotointerpretaciju HAZU

U palači HAZU 11. prosinca 2001. godine s početkom u 11 sati održana je 17. izborna skupština Znanstvenoga vijeća za daljinska istraživanja i fotointerpretaciju Hrvatske akademije znanosti i umjetnosti (HAZU). Skupštinu je vodio prof. dr. sc. Matko Bogunović, vršitelj dužnosti predsjednika Vijeća. Skupština je započela minutom šutnje za preminulog akademika Petra Krešimira Čolića, dosadašnjeg predsjednika Vijeća. Posljednja skupština Vijeća održana je pred više od dvije godine, a razlog tako duge stanke bila je bolest i potom smrt akademika Čolića. Vijeće su pozdravili predstavnici HAZU, akademici Kaštelan i Meštrov. Svojim govorom oni su poduprijeli i pohvalili rad Vijeća, a posebno istaknuli objavljivanje monografije prof. dr. sc. Marinka Oluića *Snimanje i istraživanje Zemlje iz Svemira*, prvoga takva opsežnog djela u Hrvatskoj, i novog broja Biltena.

Skupština je nastavljena najavljenim predavanjem *Primjena daljinskih istraživanja u humanitarnom razminiranju* prof. dr. sc. Milana Bajića i prof. dr. sc. Hrvoja Golda. Predavači su prisutne upoznali s podacima da je još uvijek 500 km² hrvatske površine minirano, a čak 4000 km² smatra se sumnjivim područjem. Ukratko su naznačili strukturu objekata zahvaćenih minama, organizaciju protuminskog djelovanja u Hrvatskoj, koji je tempo razminiranja i kolike su žrtve mina. HAZU je formirao skupinu osoba koja će dati znanstveni doprinos problemu razminiranja. U nastavku predavanja opisana su dva projekta koji traju već gotovo 3 godine: “Zrakoplovno otklanjanje sumnjive površine (ARC)” i “Zrakoplovna i svemirska redukcija sumnjive površine (SMART)”. U oba je projekta prikupljanje podataka u potpunosti digitalno, a upotrijebljene su suvremene digitalne kamere za opažanje. U projektu SMART osim opažanja reflektirane energije sa Zemljine površine upotrebljavaju se i radarska opažanja, koja prodiru i ispod površine. Predavanje je završeno zaključkom da će se analizom dobivenih podataka moći donijeti sud o primjenjivosti takvih istraživanja u razminiranju te da zahvaljujući tim projektima i suradnji s institucijama iz drugih zemalja napokon imamo resurse koje možemo upotrijebiti za istraživanja u drugim domenama. Postavljeno je pitanje može li se na takav način otkriti mina, na što je odgovor bio da ne može, već da je to pokušaj od kojeg se očekuje rješenje toga problema.

Nakon predavanja slijedilo je izvješće tajnika Vijeća Jonatana Pleška, dipl. inž., koji je izvijestio o radu Vijeća tijekom 2001. godine. Vijeće osim projekta razminiranja radi na još nekoliko projekata, i to na izradi hidropedološke karte Hrvatske, primjeni informacijskih sustava u razvoju poljoprivrede te na istraživanju prapovijesnog i srednjovjekovnog arheološkog naslijeđa kontinentalne Hrvatske. Posebno je istaknuta vrijednost kataloga proizvoda što ga je tiskala Državna geodetska uprava. Pod izvješćem o radu sekcija mr. sc. Čačić je izvijestio da Hrvatska 1.



After the lectures, the secretary of the Council, Jonatan Pleško, BSc, reported about the work of the Council during the year 2001. The Council is working on a few other projects apart from demining project, i.e. on the production of hydrogeological map of Croatia, the application of information systems in the agriculture development, and on the research of prehistoric and mediaeval archaeological heritage of continental Croatia. The value of the catalogue of products published by the State Geodetic Administration was especially pointed out. In the report on the work of sections, MSc Čačić informed that Croatia is to become an associate member of the intergovernmental organisation EUMETSAT. The reports of editorial and auditing committee were also submitted, former bodies of the Council were acquitted of their duty, and new members were received. The new members are the Sector for development, management and protection of environment in the Ministry of Defence of the Republic of Croatia (MORH) and the firm Geodezija-Šibenik d.d. At the end of the meeting the new persons to fill a post in the Council bodies were elected by vote. The academician Ivan Gušić was accepted by unanimous vote to be a new president of the Council

All participants were given a copy of a double issue of the Bulletin, Vol. 15-16., 2000/2001. The Bulletin has got 217 pages with colour illustrations, and its contents is as follows:

- M. Oluić: 20 Years Long Activity of the Remote Sensing and Photointerpretation Scientific Council in the Academy of Sciences and Arts.
- I. Pišmiš, M. Bajić: Identifying TV Cameras for Aircraft Remote Sensing
- Z. Šipuš, J. Bartolić: Measurement of Dielectric Soil Parameters
- M. Bajić: Redefining the Remote Sensing Goals with Respect of Humanitarian Demining
- M. Bajić, H. Gold, D. Franjković: Aircraft System for Remote Sensing at the Faculty of Traffic Sciences, University of Zagreb
- M. Bogunović, S. Husnjak: Soil Properties at the Mined Territory of the Republic of Croatia
- D. Jelenić: GIS in the System of Counter-Mine Activity of the Republic of Croatia
- Z. Filak, Z. Sever: Integrated System for Supervision of River Water-Ways
- I. Javorović: Contribution to the Dictionary in the Field of Remote Sensing
- I. Landek, S. Frangeš: Usage of Aerial Images in Demining
- M. Lapaine, N. Frančula: On Terms Analogously and Digitally
- M. Lapaine, N. Frančula: Cartography and Remote Sensing

S. Šemanjski, M. Bajić: Planning of the Aircraft Photographing Mission Referring to the Possibility of Completely Digital Photographing

M. Švonja, S. Brezak, M. Rožić: Water Bodies Properties at the Mined Territory of the Republic of Croatia

M. Viher: High-boost, the Filter with the Emphasis on High Frequency

The editor Milan Bajić wrote among other things in his introductory word: "The contents of the double issue reflects new, positive and encouraging tendencies in the activity of Council member and remote sensing in Croatia: creating systematic conditions for the application of remote sensing in humanitarian demining, the recognition of cartography as a new (old) explicitly defined domain of the Council activity, the homeland development of aircraft remote sensing system, activity on systemising the concepts and dictionary of remote sensing."

Dražen Tutić



siječnja 2002. godine postaje pridružena članica međuvladine organizacije EUMETSAT. Podnesena su izvješća uredničkog i nadzornog odbora, dana je razrješnica dotadašnjim tijelima Vijeća i obavljen prijam novih članica. Nove su članice Sektor za izgradnju, gospodarenje i zaštitu okoliša MORH-a i tvrtka Geodezija-Šibenik d.d. Na kraju skupštine provedeno je glasovanje za izbor novih obnašatelja dužnosti tijela Vijeća. Jednoglasno je prihvaćeno da novi predsjednik vijeća bude akademik Ivan Gušić.

Svima prisutnima podijeljen je primjerak dvobroja Biltena, Vol. 15–16., 2000./2001. Bilten ima 217 stranica s ilustracijama u boji, a sadržaj mu je sljedeći:

- M. Oluić: 20 godina djelovanja znanstvenog vijeća za daljinska istraživanja i fotointerpretaciju Hrvatske akademije znanosti i umjetnosti
- I. Pišmiš, M. Bajić: Identificiranje TV kamere za zrakoplovna daljinska istraživanja
- Z. Šipuš, J. Bartolić: Mjerenje dielektričnih parametara tla
- M. Bajić: Redefiniranje ciljeva daljinskih istraživanja za humanitarno razminiranje
- M. Bajić, H. Gold, D. Franjković: Zrakoplovni sustav za daljinska istraživanja Fakulteta prometnih znanosti Sveučilišta u Zagrebu
- M. Bogunović, S. Husnjak: Svojstva tala minama ugroženog područja Hrvatske
- D. Jelenić: GIS u sustavu protuminskog djelovanja

- Z. Filak, Z. Sever: Integrirani sustav za nadzor riječnih plovnih puteva
- I. Javorović: Prilog rječniku iz područja daljinskih istraživanja
- I. Landek, S. Frangeš: Uporaba zračnih snimaka za razminiranje
- M. Lapaine, N. Frančula: O pojmovima analogno i digitalno
- M. Lapaine, N. Frančula: Kartografija i daljinska istraživanja
- S. Šemanjski, M. Bajić: Planiranje misije zrakoplovnog snimanja s osvrtom na mogućnost potpuno digitalnog snimanja
- M. Švonja, S. Brezak, M. Rožić: Značajke voda miniranog područja Republike Hrvatske
- M. Viher: High-boost, filter s naglaskom na visoke frekvencije

Urednik Milan Bajić u svome je slovu, među ostalim, zapisao i ovo: "Sadržaj dvobroja odražava nove, pozitivne i ohrabrujuće tendencije u aktivnosti članica Vijeća i daljinskih istraživanja u Hrvatskoj: stvaranje sustavnih uvjeta za primjenu daljinskih istraživanja u humanitarnom razminiranju, prepoznavanje kartografije kao nove (stare) eksplicite definirane domene djelovanja Vijeća, domaći razvoj sustava za zrakoplovna daljinska istraživanja, sređivanje pojmova i rječnika daljinskih istraživanja."

Dražen Tutić



Aerofotogrametrijsko snimanje, Geofoto d.o.o.