

Opening ceremony

Bogdan Ney - Challenges ahead for geoinformation
Marcin Guzik – GIS in Tatra Mountains

1st session: Geodesy and Cartography

Chairs: Bogdan Ney, Katarzyna Sobolewska-Mikulska

1. Zdena Dobešová, Jaromír Kaňok - How evaluate cartographic functionality in GIS software
2. Vít Voženílek, Magdaléna Kozáková - Geoinformation technologies in atlas production
3. Ivan Landek, Igor Vilus, Ivan Grubić - Mega map of Dubrovnik-Neretva County - largest map in the world
4. Johan Maritz, Andries Naude, Willem Badenhorst - Developing a mesoscale geoframe
5. Vedrana Ladović, Tatjana Maršić - Streets in the GIS world - lines or surfaces?
6. Szymon Wajda, Artur Oruba, Marcin Leończyk - Technical details of establishing reference station network ASG-EUPOS

2nd session: Geoinformation and Law

Chairs: Anka Mašek, Andrzej Szewc

1. Grażyna Szpor - Spatial information in administrative law
2. Agnieszka Gryszczyńska - Geoinformation in real estate and mortgage register
3. Małgorzata Gajos - The field of geoinformation within the systematics of sciences
4. Iwona Długajczyk, Łukasz Jamroży, Agnieszka Wojtoń, Małgorzata Gajos - Internet as a source of information on geomatics

3rd session: Infrastructure for Spatial Information in Europe

Chairs: Vít Voženílek, Elżbieta Bielecka

1. Mateusz Badowski - Geoinformation in Germany – implementation of the INSPIRE directive
2. Joanna Nowak, Konrad Bielski - Are you being served? - initial findings of the Image2000 website user survey
3. Krzysztof Mączewski, Ewa Janczar - Question of interoperability of georeference databases in Mazovia
4. Dariusz Dukaczewski - Possibilities and limitations of satellite data application into the building of EU topographic and key thematic databases in EU member states

4th session: Presentation of Posters

Chairs: Ivana Čavar, Dariusz Dukaczewski

1. Roberta Abdulaj - The conceptual structure of hydrological GIS database
2. Damian Absalon, Jaromir Kaňok - Conception of hydrological atlas of upper Oder river basin
3. Paweł Chrustek - Using GIS to estimate the avalanche release hazard level: the case of Kasprowy Wierch, Tatra Mts
4. Paweł Chrustek - Promotion of GIS by the Anna Pasek Foundation
5. Urszula Myga-Piątek - Need for applying GIS methods for registering and evaluation of the impact of tourism on the natural environment, landscape and spatial management. Outline of problems
6. Jolanta Pełka-Gościński, Ireneusz Gościński - Review of GIS systems - gathering, processing and visualisation of geodata
7. Katarzyna Sobolewska-Mikulska - Projects of development of rural areas in Poland - an investigation of solutions on the example of the Municipality of Mielnik
8. Urszula Stępień, Waldemar Gogolek, Maciej Rossa – From national geological portals to interoperable OneGeology

5th session: GIS in the Environmental Sciences

Chairs: Stanisław Ostaficzuk, Joanna Nowak

1. Elżbieta Bielecka - Diversity of spatial organisation in Europe based on land cover and land use
2. Vilém Pechanec, Helena Kilianová, Vit Voženilek - GIS analysis of ecotone variability
3. Anka Mašek, Katica Križanović, Sonja Vuković - The case study of sustainable rural development of Erdut Municipality
4. Anka Mašek, Katica Križanović, Gordana Stojanović - The case study of the Municipality of Borovo's tourist offer development by a fractal approach
5. Maria Styblińska - The Carpathian heritage - the challenge for the future
6. Johan Maritz - Using GPS data loggers to measure rural accessibility in South Africa

6th session: Information Technology

Chairs: Vlatko Maček, Grażyna Szpor

1. Slobodan Bajagić, Darko Bajagić - Challenges of 3D visualization
2. Valerija Škorić, Amel Džanić, Vlatko Maček - Internet Vehicle Routing (IVR)
3. Jędrzej Gašiorowski - Analytical tools for business intelligence in spatial databases
4. Vedrana Ladović, Tatjana Maršić - Web editing of GIS data – when, where and why
5. Bogusz Piliczewski - Visualisation of marine data products using GMT
6. Vladimir Sulimanović, Igor Mlinarić, Hrvoje Vranić - Adriatic Pipeline - GIS concept

7th session: GIS in Meteorology, Climatology, Hydrology and Water Management

Chairs: Zdena Dobešová, Zbigniew Ustrnul

1. Vlado Dadić, Vjekoslav Tičina, Damir Ivanković - Usage of geospatial methods in determination of pelagic fish stock distribution
2. Maciej Kryza - Application and validation of the residual kriging method for interpolation of the monthly precipitation field in Poland
3. Mariusz Szymanowski, Maciej Kryza, Krzysztof Mięgała, Piotr Sobolewski, Lech Kolondra - Modelling and validation of the potential solar radiation for the Hornsund region - application of the r.sun model
4. Jakub Walawender - Mapping and on-line dissemination of ultraviolet radiation products over Poland

8th session: Sponsors' Presentations

Chairs: Zygmunt Wróbel, Małgorzata Gajos

1. ESRI Sp. z o. o. - Magdalena Borodzicz, Karolina Karpisz - Understanding the world through GIS
2. Alteris Sp. z o. o. - Marek Pilch-Kowalczyk - Geospatial aspects of mobile medicine

9th field session: Spatial Aspects of High Mountain Environment - Kasprowy Wierch

Chair: Urszula Myga-Piatek

10th field session: Man and Environment - Kościeliska Valley

Chair: Damian Absalon

11th session: Cultural Heritage

Chairs: Vlado Dadić, Maria Styblińska

1. Davorin Kereković - Exhibition "European Cultural Heritage – Architecture & Sculpture"
2. Maciej Bonawentura Pawlicki, Jacek Czechowicz - The database of historic monuments of architecture as the application aiding the methodology of conservation works

3. Krešimir Buntak, Zygmunt Wróbel, Davorin Kereković: A method for reconstruction of sculptures: the Šibenik Cathedral project
4. Davorin Kereković – Exhibition “Kraków in the Heart and on the Photograph”
5. Stanisław Stanek, Małgorzata Pańkowska, Andrzej Sołtysik, Mariusz Żytniewski - Agent system application for geoinformation management at municipal office (3rd session)
6. Paweł Madej, Małgorzata Barszczyńska, Roman Konieczny - Local flood mitigation plan for a village: the role of GIS (6th session)

12th session: Historical Monuments of Kraków

13th session: European Integration

Chairs: Davorin Kereković, Małgorzata Barszczyńska

1. Peter Halls - Assessing variations in access to services through travel time
2. Jan Piecha, Marcin Staniek - Extraction of vehicle classes from a digital camera observation field
3. Ivana Čavar, Natalija Jolić, Zvonko Kavran - Integration of Croatian intermodal network in the Trans-European (TEN) Network
4. Stipan Penavin, Dubravka Pekanov - Establishing statistical regions in the Republic of Croatia as a presumption for planning and monitoring regional development in accordance with the European Union standards
5. Izabela Horzela - GIS and city logistics
6. Michał Habel, Sebastian Tyszkowski, Tomasz Skowroński - Morphodynamic analysis of lower Vistula valley using GPS sonar and aerial photograph

14th session: Man and His Space to Live

Chairs: Peter Halls, Izabela Horzela

1. Stanisław Ostaficzuk - Man, his living space and sustainability. A possible role of GIS in a bettering of our living space
2. Zvonko Gržetić, Željko Bradarić, Mladen Srdelic - GIS based emergency system for ship in distress
3. Zbigniew Ustrnul, Paweł Stefanoff, Danuta Czekierda - Weather conditions as a factor favouring the increase of tick - borne diseases prevalence in Poland
4. Katarzyna Trynda - Information audit – the engagement of information technologies
5. Maria Styblińska - The ethical concerns about GIS