



**BABEŞ-BOLYAI UNIVERSITY
FACULTY OF GEOGRAPHY
DEPARTMENT OF PHYSICAL AND
TECHNICAL GEOGRAPHY
and
AIR AND WATER ASSOCIATION**



in cooperation with

“SOMEŞ - TISA” Basin Water Administration

organize

**THE INTERNATIONAL CONFERENCE
AIR AND WATER - COMPONENTS OF THE ENVIRONMENT**

8th Edition

Partners

**”SOMEŞ” WATER COMPANY CLUJ
HIDROELECTRICA CLUJ BRANCH
CLUJ-NAPOCA CITY HALL
MDS ELECTRIC**

**25 – 27 March 2016
CLUJ-NAPOCA, ROMANIA**

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PROGRAM

Friday, March 25, 2016

- 08.00 – 09.00: *Registration (Hall 43)*
- 09.00 – 10.30: *Opening ceremony (Hall 43)*
- 10.30 – 11.00: *Coffee break (Hall 27)*
- 11.00 – 13.00: *Plenary session (Hall 43)*
- 13.00 – 14.30: *Lunch (Haşdeu University Restaurant, Petru Friciu Hall)*
- 11.00 – 18:00: *Poster session (Hall 43)*
- 14.45 – 16.30: *Communication sessions*
- 16.30 – 16.50: *Coffee break (Hall 27)*
- 16.50 – 18.00: *Communication sessions*
- 18.00 – 18.30: *Conclusions (Hall 43)*
- 19.00 – 22.00: *Official dinner (Haşdeu University Restaurant, Petru Friciu Hall)*

Saturday, March 26, 2016

08.00 – 20.00 *Field trip itinerary*

*Cluj-Napoca – Turda – Teiuş – Stremţ – Mănăstirea Râmeţ şi Cheile
Râmeţilor – Alba Iulia – Blaj – Cluj-Napoca*

Sunday, March 27, 2016

09.30 – 12.30 *Cluj-Napoca city tour*

Friday, March 25, 2016

Opening Ceremony

Hall 43, Amphitheatre „George Vâlsan”, 1st floor / Sala 43, Amfiteatrul „George Vâlsan”, Etajul I

- 09.00 - 09.05:** Organizers welcome
09.05 - 09.10: Prof. Dănuț PETREA - Dean of the Faculty of Geography
09.10 - 09.20: Assoc. Prof. Florin MOLDOVAN - World Meteorological Day - 2016
09.20 - 09.30: Prof. Gavril PANDI -World Water Day - 2016
09.30 - 09.40: General Manager - Ștefania FERENCZ, Cluj-Napoca City Hall
09.40 - 09.55: Dipl. Eng. Ioan ROȘU – Presentation of Someș - Tisa Water Branch Administration
09.55 - 10.10: Soc. Victor CROITORU - Presentation of ”Someș” Water Company
10.10 - 10.30: Dipl. Eng. Sorin BOGDAN – Presentation of MDS Electric
10.30 - 11.00 **Coffee break**

Plenary Session

Hall 43, Amphitheatre „George Vâlsan”, 1st floor / Sala 43, Amfiteatrul „George Vâlsan”, Etajul I

Chairmen: PhD. Assoc. Prof. Gheorghe ȘERBAN, PhD. Assoc. Prof. Iulian HOLOBĂCĂ

11.00 - 11.30

PhD. Prof. Janos MIKA: *Challenges for Meteorology in The Sustainable Development Goals (2015-2030)*

11.30 – 12.00

Tatjana JUZSAKOVA, Á, RÉDEY, Alexandra CSAVDÁRI, T., FRATER, C. LE PHUOC, I., RADULY, Zsófia KOVÁCS, *Mitigation of Hazardous Impacts of Industrial Waste on Environmental Elements*

12.00 – 12.30

H. D. NGUYEN, L. TOUCHART, Françoise ARDILLIER-CARRAS: *The Flood Risk in the Lower Gianh River: Modelling and Field Verification*

12.30 – 13.00

Nicholas KATHIJOTES: *Water and Archaeology for Sustainable Tourism*

13.00 – 14.30: *Lunch* (Hașdeu University Restaurant, Petru Friciu Hall)

14.45 – 18.00 *Thematic sessions*

18.00 – 18.30 *Conclusions*

Session 1. Air and water environment monitoring / Monitoringul mediului aerian și hidric

Session 3. Hydrological Hazards / Riscuri hidrice

14.45 - 16.30

Hall 30, Groundfloor / Sala 30, Parter

Chairmen: Met. Otilia RUSZ, PhD. Ionuț MINEA

14.45 - 15.00

Otilia RUSZ: *Analysis of Daily Temperatures Data in Târgu Mureș from the Period 1951-2014*

15.00 - 15.15

I. MINEA: *Assessment of the Relationship Between Stream Flow and Base Flow: Patterns, Analysis, Applications*

15.15 - 15.30

Mariam ELIZBARASHVILI, Lali SHAVLIASHVILI, Gulchina KUCHAVA: *Chemical Composition of Irrigation, Collector-and-Drainage and Ground Waters of the Lower Alazani Valley*

15.30 - 15.45

Mariam TABATADZE, Natela DVALISHVILI, Mariam ELIZBARASHVILI: *The Impact of Tbilisi Used Water on Ecochemical State of Small Rivers of the City*

15.45. - 16.00

L. LAKATOS: *The Role of Water in Microclimate Manipulation in Orchards*

16.00 - 16.15

Ioana-Delia MIFTODE, GH. ROMANESCU: *The Spatio-Temporal Variability of Maximum Flow in the Uz Hydrographical Basin*

16.15 - 16.30

GH. ȘERBAN, A. SABĂU, S. RAFAN, C. CORPADE, A. NIȚOAI, R. PONCIȘ: *Risks Induced by Maximum Flow with 1% Probability and their Effect on Several Species and Habitats in Pricop-Huta-Certeze And Upper Tisa Natura 2000 Protected Areas*

16.30 - 16.50 Coffee break

Session 2. Climatic Hazards (1) / Hazarde și riscuri climatice

14.45-16.30

Hall 43 (George Vîlsan), 1st Floor / Sala 43 (George Vîlsan), etajul I

Chairmen: PhD. Assoc. Prof. Lucian SFÎCĂ, PhD. Assoc. Prof. Adina CROITORU

14.45 - 15.00

I. MARINICĂ, Andreea Floriana MARINICĂ: *Climatic Consideration of the Autumn of 2015 in the South-West of Romania*

15.00 - 15.15

Doruța CIURLĂU: *Contribution to Define the Blizzard Phenomena through Climate Study in Southeastern Romania*

15.15 - 15.30

Fania SFÎRLEAZĂ, Carmen MĂNESCU, Adriana BĂCESCU, Magdalena IORDĂCHESCU, M. BĂCESCU: *Extreme Weather Events of March 2013 in Oltenia*

15.30 - 15.45

R., PRĂVĂLIE, Georgeta BANDOC, C., PATRICHE, *Land degradation sensitivity in southern Oltenia. Interdisciplinary approach using the MEDALUS framework*

15.45 - 16.00

Carmen Sofia DRAGOTĂ, Ines GRIGORESCU, Gh. KUCSICSA, Monica DUMITRAȘCU: *Multiple Climate Hazards with Impact on Transport Systems in Dolj County, Romania*

16.00 - 16.15

N. MAIER, T. TUDOSE: *Statistical Analysis of Convective Storms Based on Oradea and Bobohalma Wsr-98d Radar in July 2004-2015*

16.15 - 16.30

L., SFÎCĂ, Adina-Eliza CROITORU, *Synoptic conditions specific to installation and manifestation of heat waves in Romania*

16.30 – 16.50 Coffee break

Session 2. Climatic Hazards (2) / Climatic change and their impact

16.50 - 18.00

Hall 43 (George Vîlsan), 1st Floor / Sala 43 (George Vîlsan), etajul I

Chairmen: PhD. Dominika CIARANEK, PhD. Assoc. Prof. Florin MOLDOVAN

16.50 - 17.05

Dominika CIARANEK: *Short-Term Changes of Air Temperature in Poland*

17.05 - 17.20

Dana MICU, Carmen-Sofia DRAGOTĂ, Loredana-Elena HAVRIȘ: *Temporal Variations of Multi-Day Precipitation Extremes in Southern Romania: 1961-2014*

17.20 - 17.35

Z. NOUACEUR, O. MURĂRESCU: *Trend of Rainfall over Nearly Half a Century in North Africa*

17.35 - 17.50

CS. HORVATH, Kinga Olga RÉTI, Gh. ROȘIAN: *Assessing Rainfall Erosivity from Monthly Precipitation Data*

Session 4. Water resources management / Gospodărirea resurselor de apă

14.45 – 16.30

Hall 57, 2nd Floor / Sala 57, etajul II

Chairmen: PhD. Assoc. Prof. Petru PLEȘCA, PhD. Prof. Gavril PANDI

14.45 – 15.00

G. PANDI, Melinda VIGH: *Spatial Differentiation of Flow in Apuseni Mountains*

15.00 – 15.15

Gabriela Adina MOROȘANU: *Recent Dynamics (1975 - 2012) of Coșuștea River's Suspended Sediment Load at Corcova Hydrometric Station*

15.15 – 15.30

Viorica MOCREAC, P. PLEȘCA: *The Utilization of the Water Resources of Nistru River within the Republic of Moldova*

15.30 – 15.45

P. PLEȘCA: *The Hydroenergetic Potential of the Prut River –Moldova Republic*

15.45 – 16.00

G. MARKOVIC, Vlasta Ondrejka HARBULAKOVA, Martina ZELENAKOVA:
Incorrect Proposal of Runoff Drainage through Infiltration Facility - Case Study

16.30 – 16.50 Coffee break

Session 5. Weather and hydrological forecast

14.45 – 16.30

Hall 52, 1st Floor / Sala 52, Etajul I

Chairmen: PhD. Jozsef SZENDI, PhD. Romulus COSTACHE

14.45 – 15.00

Júlia GÖNDÖCS, Hajnalka BREUER, Rita PONGRÁCZ, Judit BARTHOLY: *Analysing Urban Effects in Budapest Using the WRF Numerical Weather Prediction Model*

15.00 – 15.15

Narcisa MILIAN, A. PAŞOL: *Synoptic Avalanche Triggering Conditions during 2014-2015 Winter*

15.15 – 15.30

V. ISTRATE, L. APOSTOL, Florentina BĂRCĂCIANU, I. IORDACHE, L. SFÎCĂ:
Precursor Weather Conditions for Hail-Event Forecasting in the Moldavia

15.30 – 15.45

Tatiana RUSU, C. RUSU: *Episodes of Deep Convection in the North West of Romania during the Summer of 2015*

15.45 – 16.00

R., COSTACHE, Andreea-Violeta MANOLACHE, Andreea MIHALCEA, *Operative procedures for elaborating flash flood warnings*

16.00 – 16.15

J. SZENDI: *Network Security at FMCG Sector*

16.30 – 16.50 Coffee break

Session 6. *Pollution and protection of air and water environment / Poluarea și protecția mediului aerian și hidric*

16.50 – 18.30

Hall 52, 1st Floor / Sala 52, Etajul I

Chairmen: Ph.D Simion NACU, PhD Traian TUDOSE

16.50 – 17.05

Z. UTASI, J. MIKA, A. RÁZSI: *Air Pollution Features of the Valley-Based Towns in Hungary*

17.05 – 17.20

Tatjana JUZSAKOVA, Á. RÉDEY, T. FRATER, C. LE PHUOC, J., NÉMETH, V., SEBESTYEN, *Investigation of Red Mud Surface Properties for Catalytic Reaction Studies*

17.20 – 17.35

Gabriela Andreea DESPESCU, S. NACU, R. BĂTINAȘ: *The Monitoring of Surface Water Bodies (Rivers) from Tisa Catchment Area - Maramureș County in 2014*

17.35 – 17.50

Jasna GRABIĆ, V. ĆIRIĆ, P. BENKA, S. ĐURIĆ: *Water Quality at Three Special Nature Reserves in Vojvodina, Serbia: Preliminary Research*

17.50 – 18.05

Martina ZELENKOVA, Anna ORAVCOVA, M. RUSNAK.: *Sources of pollution as a hazard for river environment in case of flood*

18.05 – 18.20

R. TÓTH, L. NYITRAI: *Investigation of Saharan Dust Transport on the Basis of Aerological Measurements*

Session 7. *Tourism potential of hydro - climatic resources / Potențialul turistic al resurselor hidro-climatice*

16.50 – 17.50

Hall 57, 2nd Floor / Sala 57, etajul II

Chairmen: PhD. Stud. Rodica MEREȚ, PhD. Stud. Boglarka CZELLE CZ

16.50 – 17.05

Gh. HOGNOGI, Alexandra-Camelia POTRA, Ana-Maria POP, Diana-Elena ALEXANDRU, Simona MĂLĂESCU, *Reconstruction of Watermills Landscapes. The case of the River Basins of Valea Mare, Ilișua and Țibleș, Romania*

17.05 – 17.20

Senada NEZIROVIĆ: *Revitalization of Degraded Areas of the Tuzla Basin and Forming Artificial Lakes in the Function of Tourism Development*

17.20 – 17.35

Rodica MEREȚ, Liliana ZAHARIA: *Mineral Waters in Rupea City: Physicochemical Features and Use*

17.35 – 17.50

Boglarka CZELLE CZ, I. GÁBOR, L. RAVASZ, G. ȘCHIOPU, N. SZOPOS: *Saline Water Resources in Cluj-Napoca Surroundings*

Session 8. Students

14.45-15.45

Hall 37, Groundfloor / Sala 37, Parter

Chairman: PhD. Răzvan BĂȚINAȘ

14.45 – 15.00

Ștefana BANC: *Vremea în Cluj-Napoca determinată de prezența circulației maritim-tropicale în sezonul cald, în intervalul 2010-2012*

15.00 – 15.15

A., NIȚOAI A, R., PONCIȘ: *Analiza zilelor cu temperaturi caracteristice din intervalul 2010 – 2014 în județul Neamț, România*

15.15 – 15.30

D. SABĂU: *Unele riscuri de natură hidrică asociate văilor Feiurdeni și Chinteni din Dealurile Clujului*

15.30 – 15.45

Andreea-Sabina SCRIPCĂ, Carina STRAPAZAN, I.-H. HOLOBĂCĂ: *Regional Aspects of the Variability of Atmospheric Precipitations in Winter and Summer Seasons in Europe During 2001-2090*

16.30 – 16.50 Coffee break

Session 9. Poster session / Sesiunea de postere

10.30 – 18.00

1st Floor / Etajul I

1. Valentina-Mariana MĂNOIU, Șt. GHEORGHE, Al.-I. CRĂCIUN: *The Synoptic Conditions and the Critical Levels of Pollution for Specific Situations in Bucharest*
2. Carmen ROBA, Cristina ROȘU, Ioana PIȘTEA, Georgiana PÎSLARU: *Water Quality of Neamț River - Târgu Neamț Town (Neamț County)*
3. Liliana VELEA, Roxana BOJARIU: *Ir-Based Satellite Products for the Monitoring of Atmospheric Water Vapor Over the Black Sea*
4. T. TUDOSE, F. MOLDOVAN: *A Special Foehn Case in North-Eastern Apuseni Mountains*
5. Csenge DIAN, Rita PONGRÁCZ, Judit BARTHOLY, Zsuzsanna DEZSŐ: *Analysis of Urban Local Climate Using In-Situ Measurements*
6. A. MIREA, Magdalena Mari MIREA: *The Variability of Rainfall Regime, Induced by Climate Changes, in Dolj County and its Impact on the Environment*
7. M. C. MIHĂILESCU, N. ILIE: *Precipitation Research in the Upper Basin of Moldova River*
8. Cristina ROȘU, Carmen ROBA, Ioana PIȘTEA, Romina PAUL: *Ground Water Quality from Private Wells. Case Study: Tarna Mare - Satu Mare County*
9. R. BĂTINAȘ, Gh. ȘERBAN, A. SABĂU, S. RAFAN: *Preliminary Analysis on Some Physico-Chemical Rivers Water Features in Pricop-Huta Certeze and Tisa Superioară Protected Areas*
10. Laura Andreea LAZĂR: *The Impact of Climate over Tourism Activities in the Land of Beiuș*
11. I. IVANOV, Veneta IVANOVA, Boryana MARKOVA: *Intensive Precipitation and Flood in Northeastern Bulgaria on June 19, 2014*
12. Cristina BURADA, Mihaela BRANCUȘ, Adriana BĂCESCU, Mietta COLAN, C-tin. FLOREA, Liliana VELEA: *Monitoring and Early-Warning of Meteorological Risk Situations in Oltenia*
13. A. SIMA, C. MOLDOVAN, H. MELEG, Adela BOLCAȘ: *GIS Analysis of Population Evacuation from Flash Floods – Case Study, Țâșla Drainage Basin, Romania*
14. Marina IOSUB, I. IORDACHE, A. ENEA, Oana-Elena HAPCIUC, Gh. ROMANESCU, I. MINEA: *Drought Analysis in Ozana Drainage Basin*
15. Veneta IVANOVA: *Extreme Temperatures Trends in Eastern Bulgaria during the Period 1959-2009*

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Tisa



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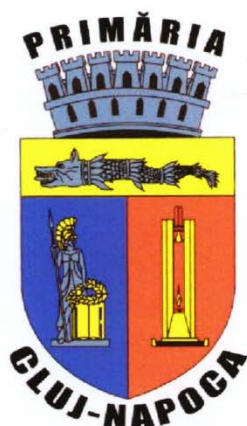
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