


# Agenda

Start	End	
<b>Day 1, Thursday 17 May 2018 (Venue: Babeş-Bolyai University, 1 M. Kogălniceanu Street)</b>		
8:00	9:00	<b>Registration of participants</b> (Location: Babeş-Bolyai University, 1 M. Kogălniceanu Street – Registration Desk)
<b>Day 1, Thursday 17 May 2018 (Aula Magna, 2<sup>nd</sup> floor)</b>		
		<b>12<sup>th</sup> Conference Opening Ceremony</b>  (Aula Magna Conference Hall)  Co-Chairman Liviu Literat, “Babeş-Bolyai” University, Cluj-Napoca Dan Bălteanu, Institute of Geography of the Romanian Academy
9:00	9:30	Pr. Prof. Dr. Ioan Chirilă, <i>President of the Senate of “Babeş-Bolyai” University</i> Prof. Dr. Rudolf Gräf, <i>Vice-Rector of the “Babeş-Bolyai” University</i> Prof. Dr. Daniel David, <i>Vice-Rector of the “Babeş-Bolyai” University</i> First Deputy Col. Daniel Marian Dragne, <i>General Inspectorate for Emergency Situations</i> Vlatko Jovanovski, <i>Head of DPPI SEE Secretariat</i> Rodin Traicu, <i>President of the National Commission for Nuclear Activities Control</i> Dr. Eng. Cosmonaut Dumitru Prunariu, <i>Honorary Member of the Romanian Academy</i> Prof. Dr. Eng. Gavril Todorean, <i>Academy of Technical Sciences of Romania, Cluj Branch</i> Prof. Dr. Eng. Alexandru Ozunu, <i>Dean of the Faculty of Environmental Science and Engineering, “Babeş-Bolyai” University</i>
9:30	11:00	<b>Plenary lectures</b> (Aula Magna Conference Hall)  Chair: Dumitru Prunariu, <i>Honorary Member of the Romanian Academy</i> Alexandru Ozunu, <i>Faculty of Environmental Science and Engineering, “Babeş-Bolyai” University</i>  <u>Speakers:</u>  1. <u>Guy Robinson</u> , <i>University of Adelaide, Australia</i> , Bushfires and biodiversity 2. <u>Asher Brenner</u> , <i>Ben-Gurion Negev University of Beersheba, Israel</i> , Development of hybrid biofilters for stormwater harvesting and groundwater remediation 3. <u>Hossein Azadi</u> , <i>Ghent University, Belgium</i> , Agricultural land conversion: monitoring drought impacts and coping strategies 4. <u>Igal Shohet</u> , <i>Ben-Gurion Negev University of Beersheba, Israel</i> , Preparedness of critical infrastructures for extreme events
11:00	11:30	<b>Coffee Break</b>
11:30	13:00	<b>Session A</b> <b>DISASTER MANAGEMENT</b> (Room 1: Aula Magna)  Chair: Andries Jordaan, <i>University of the Free State, South Africa</i> , Vlatko Jovanovski, <i>Head of DPPI SEE Secretariat</i>  1. <u>Andries Jordaan</u> , <i>University of the Free State, South Africa</i> , Disaster risk reduction through climate change adaptation programs: the case of South Africa, (authors: A.J. Jordaan) 2. <u>Georgina Clegg</u> , <i>University of Huddersfield, United Kingdom</i> , Overcoming challenges to cohesive disaster risk reduction and climate change adaptation in European local authorities, (authors: Georgina Clegg, Nuwan Dias, Dilanthi Amaratunga, Richard Haigh) 3. <u>Agoston Restas</u> , <i>National University of Public Service, Budapest, Hungary</i> , Drone applications supporting flood management, (authors: Agoston Restas) 4. <u>Bogdan Suditu</u> , <i>University of Bucharest, Romania</i> , The Shadow of “Great Earthquake” and Sustainable Bucharest. Shared

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		Responsibilities and Disaster Risk Management, (authors: Bogdan Suditu, Mihai Șercăianu, Ioana Nenciu) 5. <u>Alida Kiss</u> , <i>University of Debrecen, Hungary</i> , Crisis communication aspects connected to post-disaster-recovery, (authors: Alida Kiss) 6. <u>Ines Grigorescu</u> , <i>Geography Institute of the Romanian Academy, Romania</i> , Socio-economic vulnerability to natural and man-made hazards. Indicators and selected case-studies in Romania, (authors: Ines Grigorescu, Bianca Mitrica, Irena Mocanu, Monica Dumitrascu, Gheorghe Kucsicsa, Dan Balteanu) 7. <u>Alexandru Mărmureanu</u> , <i>National Institute for Earth Physics, Romania</i> , Performance evaluation of Vrancea Earthquake Early Warning System, (authors: Alexandru Marmureanu, Carmen Cioflan, Mihai Marius Nicu, Marius Craiu, Iren Moldovan, Constantin Ionescu)		
13:00	14:30	<b>Lunch</b> (Location: <b>"Piramida" Restaurant</b> – Casa Universitarilor, 1 Emmanuel de Martonne street)		
14:00	14:30	<b>Coffee Break</b> (in front of Room 1: Aula Magna)		
14:30	16:00	<p style="text-align: center;"><b>Session B</b>  <b>ATMOSPHERIC POLLUTION AND REMOTE SENSING</b>                  (Room 1: Aula Magna)</p> <p style="text-align: center;">Chair:</p> <p style="text-align: center;"><i>Doina Nicolae, National Institute of R&amp;D for Optoelectronics, Romania</i>  <i>Nicolae Ajtai, Babeș-Bolyai University of Cluj-Napoca, Romania</i></p> <p>1. <u>Doina Nicolae</u>, <i>National Institute of R&amp;D for Optoelectronics, Romania</i>, ACTRIS, a European research infrastructure to understand atmospheric composition and its link to climate variability, (authors: Doina Nicolae, Livio Belegante, Anca Nemuc, Nicolae Ajtai, Horatiu Stefanie, Silviu Gurlui, Marius-Mihai Cazacu, Andreea Calcan, Mirela Voiculescu, Daniel Eduard Constantin)                  2. <u>Mariana Adam</u>, <i>National Institute of R&amp;D for Optoelectronics, Romania</i>, Development of algorithms for near real time warning on the atmospheric pollution events, (authors: Mariana Adam, Mihai Boldeanu, Victor Nicolae, Simona Andrei)                  3. <u>Akos Redey</u>, <i>University of Pannonia, Hungary</i>, Clean Technology for Reduction of NOx Emission, (authors: Tatjana Juzsakova, Endre Domokos, Igor Cretescu, Akos Redey)                  4. <u>Iuliana Breabăn</u>, <i>University Alexandru Ioan Cuza of Iasi, Romania</i>, The organic carbon stock quantification using Sentinel-2 satellite images in Neamțu river basin, (authors: Iuliana Gabriela Breabăn, Andrei Enea, Elena Diana Bobric, Ana-Ioana Breabăn)                  5. <u>Mirela Voiculescu</u>, <i>University Dunarea de Jos of Galati, Romania</i>, A review of observations of cloud cover, (authors: Mirela Voiculescu, Daniel Constantin, Simona Condurache-Bota)                  6. <u>Bogdan Antonescu</u>, <i>National Institute of R&amp;D for Optoelectronics, Romania</i>, What we know and don't know about the societal and economic impact of severe weather events in Europe, (authors: B. Antonescu, S. Andrei, D. Ene)</p>	<p style="text-align: center;"><b>Session C</b>  <b>ENVIRONMENTAL ENGINEERING AND TECHNOLOGIES</b>                  (Room 2: Lucian Blaga)</p> <p style="text-align: center;">Chair:</p> <p style="text-align: center;"><i>Akos Redey, University of Pannonia, Hungary</i>  <i>Tiberiu Apostol, Politehnica University of Bucharest, Romania</i></p> <p>1. <u>Larisa Muntean</u>, <i>'Dimitrie Cantemir' University of Cluj-Napoca, Romania</i>, Regarding the energetical efficiency of the Romanian home amid transition from traditional to ecological home, (authors: Larisa Elena Muntean, Mirela Ana Coman)                  2. <u>Bartha Sandor</u>, <i>Green Energy Association, Sfintu Gheorghe, Romania</i>, Integrated biorefinery technologies used for agricultural residues resulted from cereal production, (authors: Sándor Bartha, Florbela Carvalheiro, Piroska Tóth, Luís C. Duarte, Patricia Moniz, Noémi Antal)                  3. <u>Tiberiu Apostol</u>, <i>Politehnica University of Bucharest, Romania</i>, Thermal treatment and electric field based approaches for PAHs remediation from contaminated soils, (authors: Diana Mariana Cocârță, Constantin Stan, Constantin Streche, Ovidiu-Leonard Turcu, Tiberiu Apostol)                  4. <u>Andrada Victoria Oancea</u>, <i>"1 Decembrie 1918" University of Alba Iulia</i>, Energy strategies of using renewable energy for sustainable regions, (authors: Andrada Victoria Oancea, Ildiko Tulbure)                  5. <u>Iasmina Burlacu</u>, <i>INCDPM</i>, Innovative devices of eco-electricity production from multiple sources of energy, (authors: George Poteras, Gyorgy Deak, Andreea Ioana Daescu, Alina Florina Nicolae, Marius Viorel Olteanu, Iasmina Florina Burlacu, Marius Raischi)                  6. <u>Sándor Czakó</u>, <i>CK-Trikolor Consulting Ltd.</i>, Lessons learned from the explosion and fire at the Buncefield oil storage depot, Hemel Hempstead, Hertfordshire on 11 December 2005, (authors: Sándor Czakó, Tamás Lipovics)                  7. <u>Voicu Muica</u>, <i>Babes-Bolyai University of Cluj-Napoca, Romania</i>, Modular closing</p>	<p style="text-align: center;"><b>ROUND TABLE</b></p> <p style="text-align: center;"><b><u>Natural and Technological Disasters: Capacity Building based on science (scientific) research products and advance monitoring capabilities (in Romanian)</u></b>                  (Room 3: D.V. Ionescu)</p> <p style="text-align: center;">Chair:</p> <p style="text-align: center;"><i>Dragoș Tătaru, National Institute for Earth Physics, Măgurele, Romania</i></p>

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			by valorification of S.C. Sometra S.A. industrial landfill, Coșșa Mică, Sibiu County, (authors: Christos Efstathiadis, Voicu-Teodor Muica, Alexandru Ozunu)	
16:00	18:30		<p style="text-align: center;"><b>ROUND TABLE</b></p> <p style="text-align: center;"><b><u>Romanian Radon National Action Plan- Radon programs</u></b></p> <p style="text-align: center;">(Room 3: D.V. Ionescu)</p> <p style="text-align: center;"><i>Chair:</i></p> <p style="text-align: center;"><i>Daniela Dogaru, National Commission for Nuclear Activities Control</i></p> <p><i>Daniela Dogaru, National Commission for Nuclear Activities Control, Romanian Radon National Action Plan (authors: Rodin Traicu, Daniela Dogaru, Dorin Iancu, Ioan Encian, Bogdan Lupsan, Camelia Liutiev)</i></p>	
	16:30		<p style="text-align: center;"><b>Enjoy the city! - Free guided city tour in English (Optional)</b></p> <div style="text-align: center;">  </div> <p style="text-align: center;"><b>Tour provided by Cluj Guided Tours</b></p> <p style="text-align: center;"><b>Meeting place: in front of Matthias Corvinus statuery, Unirii Square</b></p>	
	19:00		<p style="text-align: center;"><b>CONFERENCE DINNER</b></p> <p style="text-align: center;"><i>(Location: <b>Grand Hotel Napoca, Forum Ballroom, 1 Octavian Goga Street</b>)</i></p>	

# Agenda

Start	End	Day 2, Friday 18 May 2017 ( Venue: Faculty of Environmental Science and Engineering)		
09:00	11:00	<p align="center"><b>Plenary lectures</b> (Room 1: "Iustinian Petrescu" Amphitheatre)</p> <p align="center"><i>Chair:</i> Guy Robinson, University of Adelaide, Australia Asher Brenner, Ben-Gurion Negev University of Beersheba, Israel</p> <p><i>Speakers:</i></p> <ol style="list-style-type: none"> <li><u>Christian Illing</u>, Federal Agency for Technical Relief (THW), Germany, DAREnet – Bringing together civil protection practitioners to increase resilience against floods</li> <li><u>Cosmin Jinescu</u>, University Politehnica of Bucharest, Romania, Results of superposition and/or cumulation of pollutants upon environment and living organisms</li> <li><u>Francisc Senzaconi</u>, General Inspectorate for Emergency Situations, Considerations on risk assessment and reduction in European context</li> </ol>		
11:00	11:30	<p align="center"><b>Coffee Break</b></p>		
11:30	13:00	<p align="center"><b>Session A</b> <b>ACHIEVING SUSTAINABILITY IN RISK-PRONE AREAS</b> (Room 1: "Iustinian Petrescu" Amphitheatre)</p> <p align="center"><i>Chair:</i> Burny Philippe, University of Liege, Gembloux, Belgium József Benedek, Babes-Bolyai University of Cluj-Napoca, Romania</p> <ol style="list-style-type: none"> <li><u>Asongcha Sinju Christiana</u>, Tiko Municipal Council, Cameroon, Environmental legislation and cultural diversity, (authors: Asongcha Sinju Christiana)</li> <li><u>Philippe Burny</u>, University of Liège, Belgium, Evolution of Walloon agriculture towards an environment-friendly model, (authors: Philippe Burny, Thi Minh Hop Ho)</li> <li><u>Mihai Maxim</u>, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania, Organic farming and its role in sustainable development, (authors: Mihai-Avram Maxim, Teodor Rusu, Paula Ioana Moraru, Marius Sabadas)</li> <li><u>Mălina Petrescu-Mag</u>, Babes-Bolyai University of Cluj-Napoca, Romania, Switch the button on temperance-oriented behavior of consumers and their food waste, (authors: Ruxandra Malina Petrescu-Mag, Dacina Crina Petrescu)</li> <li><u>Kinga Ivan</u>, Babes-Bolyai University of Cluj-Napoca, Romania, Identification of school-aged pedestrian traffic vulnerable area, unsafe bus stops and unsafe hourly intervals. Case study: Bucharest city, Romania, (authors: Kinga Ivan, József Benedek, Silviu-Marian Ciobanu)</li> </ol>	<p align="center"><b>Session B</b> <b>RADON IN CIVIL ENGINEERING: INDOOR RADON – CONTROL, MITIGATION, PREVENTION</b> (Room 2: Room A 1.14)</p> <p align="center"><i>Chair:</i> Ioan Encian, National Commission for Nuclear Activities Control Carlos Sainz, University of Cantabria, Santander, Spain</p> <ol style="list-style-type: none"> <li><u>Phachirarat Sola</u>, Thailand Institute of Nuclear Technology, Thailand, Levels of Indoor Radon Concentration in Schools: Case Study in Schools in the Northeastern Thailand, (authors: P. Sola, P. Kewsuwan, D. Rattanaphra, T. Duang-aj, M. Buree, A. Yoson, B. Kotchada, P. Klakerd)</li> <li><u>Giancarlo Ciotoli</u>, National Research Council of Italy, Institute of Environmental Geology and Geoengineering, Italy, GIS-based interpolation methods for spatial assessment of Geogenic Radon Potential, (authors: Francesca Giustini, Giancarlo Ciotoli, Livio Ruggiero, Mario Voltaggio)</li> <li><u>Carlos Sainz</u>, University of Cantabria, Santander, Spain, Notes on the development of National Radon Action Plan in Spain, (authors: Carlos Sainz, Ismael Fuente, Alicia Fernandez Santiago Celaya, Daniel Rabago, Luis Quindos)</li> <li><u>Tiberiu Catalina</u>, Technical University of Civil Engineering, Bucharest, Romania, Experimental and numerical study of indoor air quality and energy consumption of a single-family detached home, (authors: Tiberiu Catalina, Alexandra Ene, Andrei Istrate, Alexandra Cucos, Tiberius Dicu, Kinga</li> </ol>	<p align="center"><b>ROUND TABLE</b> <b><u>Disaster risk reduction at national level</u></b></p> <ul style="list-style-type: none"> <li><b>RO-RISK Assessment of disaster risk at national level</b></li> <li><b>DAREnet network Romania</b> (Room 3: Room E.0.1)</li> </ul> <p align="center"><i>Chair:</i> Francisc Senzaconi, General Inspectorate for Emergency Situations Petre Min, National Commission for Nuclear Activities Control Christian Illing, Federal Agency for Technical Relief (THW), Germany Bogdan Chevereșan, ESRI Romania</p> <p align="center"><i>Participating institutions:</i></p> <ul style="list-style-type: none"> <li>Babeș-Bolyai University, Cluj-Napoca, Romania</li> <li>ESRI Romania</li> <li>Federal Agency for Technical Relief (THW), Germany</li> <li>Geography Institute of the Romanian Academy, Romania</li> <li>General Inspectorate for Emergency Situations, Romania</li> <li>International Water Association</li> <li>Ministry of Environment, Romania</li> <li>National Institute for Earth Physics, Bucharest, Romania</li> <li>National Institute for Research and Development in Forestry "Marin Drăcea"</li> <li>National Administration of Romanian Waters</li> <li>National Commission for Nuclear Activities Control</li> <li>Research Institute for the Quality of Life, Romanian Academy</li> <li>Technical University of Civil Engineering, Bucharest, Romania</li> </ul>

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		<p>6. <u>Ildiko Tulbure</u>, <i>University 1 Decembrie 1918, Alba-Iulia, Romania</i>, Risk mitigation by space activities for global sustainability, (authors: Dumitru Prunariu, Ildiko Tulbure)</p> <p>7. <u>Sandra Nistea</u>, <i>Babeş-Bolyai University of Cluj-Napoca, Romania</i>, Perception and motivation of school children regarding recycling in Romania, (authors: Sandra Corina Nistea, Calin Baciu)</p>	<p>Szacsvai)</p> <p>5. <u>Botond Papp</u>, <i>Babeş-Bolyai University of Cluj-Napoca, Romania</i>, Radon Mitigations in Băița-Ștei Radon Risk Area (România), (authors: Botond Papp, Alexandra Cucuș (Dinu), Tiberius Dicu, Mircea Moldovan, Bety-Denissa Burghel, Robert Begy, Liviu Suci, Gheorghe Banciu, Carlos Sainz, Constantin Cosma†)</p> <p>6. <u>Bety-Denissa Burghel</u>, <i>Babeş-Bolyai University of Cluj-Napoca, Romania</i>, Radon measurements to assess the radiation safety for underground workers, (authors: B.D. Burghel, A. Cucos, B. Papp)</p> <p>7. <u>Daniela Vasilache</u>, <i>Babeş-Bolyai University of Cluj-Napoca, Romania</i>, The effects assessment of the historical land use changes in the Firiza Lake area of Romania using radionuclide signatures (210Pbex, 226Ra), (authors: Daniela Vasilache, Robert-Csaba Begy, Călin Baciu)</p>	<ul style="list-style-type: none"> <li>• University of Bucharest, Romania</li> </ul>
13:00	15:00	<p><b>Lunch</b></p> <p>(Location: <b>Sinaia Restaurant</b>, 110 "1 Decembrie 1918" Street)</p>		
15:00	16:30	<p><b>NATIONAL SOCIETY OF ENVIRONMENTAL SCIENCE AND ENGINEERING (SNSIM) MEETING</b></p> <p>(Room 2: Room A 1.17)</p>		
15:00	16:30	<p style="text-align: center;"><b>Session C</b> <b>NATURAL HAZARDS. ASSESSMENT AND MITIGATION</b> (Room 1: "Iustinian Petrescu" Amphitheatre)</p> <p style="text-align: center;"><i>Chair:</i> Costică Sofronie, Someș-Tisa Basin Water Management, Romania Lucian Besuțiu, Institute of Geodynamics of the Romanian Academy, Romania</p> <p>1. <u>Lucian Besuțiu</u>, <i>Institute of Geodynamics of the Romanian Academy, Romania</i>, On the volcanic hazard in Romania. geophysical insights into the Ciomadul volcano, (authors: Lucian Besutiu, Luminita Zlagnean, Anca Isac, Dragomir Romanescu)</p> <p>2. <u>Anca Mihai</u>, <i>University of Bucharest, Romania</i>, Reflexions regarding social work contributions to recovery from disasters caused by flooding in Romania, (authors: Anca Mihai)</p> <p>3. <u>Ionut Cosmin Sandric</u>, <i>University of Bucharest, Romania</i>, SlidePredict - a platform for forecasting near real-time landslide occurrence low cost using weather forecast systems, (authors: Ionut Cosmin Sandric, Marta Jurchescu, Viorel Ilinca, Zenaida Chitu, Francisc</p>	<p style="text-align: center;"><b>Session D</b> <b>RADON IN CIVIL ENGINEERING: INDOOR RADON – CONTROL, MITIGATION, PREVENTION</b> (Room 2: Room A 1.14)</p> <p style="text-align: center;"><i>Chair:</i> Dorin Iancu, National Commission for Nuclear Activities Control, Bucharest, Romania Alexandra Cucuș, Babeş-Bolyai University of Cluj-Napoca, Romania</p> <p>1. <u>Anatol Oprea</u>, <i>DOSITRACKER S.R.L. Romania</i>, Big data analysis for radon map, (authors: Anatol Oprea, Bogdan Zorilă)</p> <p>2. <u>Margareta Cheresteș</u>, <i>DOSITRACKER S.R.L. Romania</i>, The past and the future of the indoor radon. Where are we now?, (authors: Margareta Cheresteș, Silvia Șerban, Codruț Cheresteș)</p> <p>3. <u>Alexandra Cucuș (Dinu)</u>, <i>Babeş-Bolyai University of Cluj-Napoca, Romania</i>, Indoor radon survey in Romania linked with radon legislation and National Radon Action Plan, (authors: Alexandra Cucuș (Dinu), Tiberius Dicu, Bety Burghel, Kinga Szacsvai, Botond Papp, Mircea Moldovan, Ancuta Țenter, Florică</p>	<p style="text-align: center;"><b>ROUND TABLE</b> <b><u>Public information in case of disasters</u></b> <b>(in Romanian)</b> (Room 3: Room E.0.1)</p> <p style="text-align: center;"><i>Chair:</i> Ioan Hosu, Babeş-Bolyai University of Cluj-Napoca, Romania Andrei Biriș, Cluj County „Avram Iancu” Inspectorate for Emergency Situations</p>

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		<p>Senzaconi, Alin Plesoianu, Radu Irimia)                  4. <u>Pavel Baltaru</u>, Cluj County „Avram Iancu” Inspectorate for Emergency Situations, Monitoring landslides in Cluj County, (authors: Pavel Baltaru)                  5. <u>Oana Brinzan</u>, University Aurel Vlaicu of Arad, Romania, Mureş meadow natural park and local communities: a common fight against invasive species, (authors: Brinzan Oana, Calinovic Ioan, Munteanu Florentina, Tigan Eugenia, Suci Codruta)                  6. <u>Magdalena Drăgan</u>, Romanian Academy, Cluj-Napoca Branch, Romania, Forests outside the National Forest Fund - an additional explanation for forest disturbances in Romania, (authors: Drăgan Magdalena, Mureşan Gabriela Alina, Benedek Jozsef)                  7. <u>Dragoş Luntraru</u>, Babeş-Bolyai University of Cluj-Napoca, Romania, Forest cover evolution in the Hârtibaciu Plateau, South of Transylvania: a review of maps from the eighteenth century to present day, (authors: Luntraru Dragoş, Baciu Călin)</p>	<p>Ştefan, Simion Beldean, Alexandru Lupulescu, Gabriel Dobrei, Nicoleta Bican-Brişan, Cristina Horju-Deac, Carlos Sainz)                  4. <u>Alexandru Lupulescu</u>, Babeş-Bolyai University of Cluj-Napoca, Romania, The Development of an Innovative Monitoring System for Indoor Air Quality, (authors: Alexandru Lupulescu, Arthur Tunyagi, Florin Lişman, Alexandra Cucuş (Dinu), Tiberius Dicu, Carlos Sainz)                  5. <u>Ancuţa Țenter (Radu)</u>, Babeş-Bolyai University of Cluj-Napoca, Romania, A Comprehensive Radon Survey in Sibiu County (Romania), (authors: Ancuţa Țenter (Radu), Botond Papp, Alexandra Cucuş (Dinu), Tiberius Dicu, Simion Beldean, Carlos Sainz, Constantin Cosma†)                  6. <u>Kinga Szacsvai</u>, Babeş-Bolyai University of Cluj-Napoca, Romania, Survey of Indoor Radon Distribution in Residential and Public Building from Cluj-Napoca Metropolitan Area, (authors: Kinga Szacsvai, B. Burgehele, A. Țenter, A. Răchişan, G. Dobrei, A. Cucuş (Dinu), T. Dicu, C. Horju-Deac, C. Sainz)</p>	
16:30	16:45	<b>Coffee break</b>		
16:45	18:00	<p style="text-align: center;"><b>Session E</b>  <b>SEISMIC RISK MANAGEMENT</b>                  (Room 1: "Iustinian Petrescu"                  Amphitheatre)</p> <p style="text-align: center;">Chair:                  Dragoş Toma-Dănilă, National Institute for Earth Physics, Romania                  Nicoleta Brişan, Babeş-Bolyai University of Cluj-Napoca, Romania</p> <p>1. <u>Dragoş Toma-Dănilă</u>, National Institute for Earth Physics, Romania, Actual and future tools for improving earthquake emergency response in Romania, (authors: Toma-Danila Dragos, Tataru Dragos, Tiganescu Alexandru, Cioflan Carmen)                  2. <u>Cristina Ciumaş</u>, Babeş-Bolyai University of Cluj-Napoca, Romania, Quantification of material damages generated by earthquake – case study: Romania, (authors: Ciumaş Cristina, Coca Ramoca, Bican-Brişan Nicoleta, Ionescu Constantin, Toma Dănilă Dragoş)                  3. <u>Mircea Radulian</u>, National Institute for Earth Physics, Romania, Attenuation relations for the seismic ground motion induced by Vrancea intermediate-depth earthquakes, (authors: Radulian Mircea, Popescu Emilia, Placinta Anica Otilia, Moldovan Iren Adelina)                  4. <u>Dragoş Tătaru</u>, National Institute for Earth Physics, Romania, Could we</p>	<p style="text-align: center;"><b>Session F</b>  <b>WATER MANAGEMENT</b>                  (Room 2: A.1.14)</p> <p style="text-align: center;">Chair:                  Grigore Vlad, S.C. ICPE Bistrita S.A. Romania                  Cristina Roşu, Babeş-Bolyai University of Cluj-Napoca, Romania</p> <p>1. <u>Akos Redey</u>, University of Pannonia, Hungary, Multiwalled carbon nanotubes for depollution of water, (authors: Tatjana Juzsakova, Endre Domokos, Viktor Sebestyen, Akos Redey)                  2. <u>Sorin Ulinici</u>, ICPE Bistrita S.A., Romania, The advanced oxidation of the hardly biodegradable compounds from the water by using catalytic ozonisation processes, (authors: Sorin Claudiu Ulinici, Gabriela Baisan, Mihaela Hetvary, Mariuta Popanton)                  3. <u>Mircea Murar</u>, Technical University of Cluj-Napoca, Romania, Cloud computing and data analytics in wastewater treatment, (authors: Stelian Brad, Mircea Murar, Grigore Vlad, Mariuta Slavoaca)                  4. <u>Florin Iliescu</u>, FARAL CONSULT SRL Bistrita, Romania, New concept for water security for cities, as a major tool for water management strategies for sustainable regions, (authors: Florin Iliescu, Grigore Vlad)                  5. <u>Horatiu Vermeşan</u>, Technical</p>	<p style="text-align: center;"><b>Session G</b>  <b>TECHNOLOGICAL RISK ASSESSMENT AND MITIGATION</b>                  (Room 4: A1.17)</p> <p style="text-align: center;">Chair:                  Cosmin Jinescu, University Politehnica of Bucharest, Romania                  Călin Baciu, Babeş-Bolyai University of Cluj-Napoca, Romania</p> <p>1. <u>Gilbert Taró</u>, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania, Regarding the ecological restoration of industrial sites in the actual legal context of Romania, (authors: G. Taró, Coman Mirela)                  2. <u>Costică Sofronie</u>, Someş-Tisa Basin Water Management, Romania, Risk assessment for historical dams at Roşia Montană, (authors: Costică Sofronie)                  3. <u>Ioan Encian</u>, National Commission for Nuclear Activities Control, Bucharest, Romania, What happened at Fukushima? March 11, 2011, (authors: Ioan Encian, Dorin Iancu, Bogdan Lupsan)                  4. <u>Andrian Seleznev</u>, Institute of Industrial Ecology of Ural Branch of Russian Academy of Sciences, The Russian Federation, Experimental study of migration and accumulation of heavy metals in contemporary sediments in urban environment, (authors: Andrian Seleznev)</p>

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		<p>define performance indicators related to public awareness &amp; training for seismic safety? (authors: Dragos Tataru, Dragos Toma-Danila, Eduard Nastase, Bogdan Grecu)</p> <p>5. <u>Iren Adelina Moldovan</u>, <i>National Institute for Earth Physics, Romania</i>, Monitoring and correlation of radio waves subionospheric propagation anomalies in low (LF) and very low frequency (VLF) domain with seismic activity and spatial weather, (authors: Iren Adelina Moldovan, Victorin Emilian Toader, Cristian Ghita, Dragos Toma, Angela Constantin, Paul Dolea)</p> <p>6. <u>Constantin Ionescu</u>, <i>National Institute for Earth Physics, Romania</i>, Relationship between peak ground acceleration and macroseismic intensity for strong intermediate-depth earthquakes of Vrancea region, (authors: L. Ardeleanu, C. Ionescu)</p> <p>7. <u>Adina Vanciu-Rău</u>, <i>National Institute for Earth Physics, Romania</i>, The Seismic Simulator as an Instrument for Seismic Prevention, (authors: Adina Vanciu-Rău, Dan-Corneliu Rău)</p>	<p><i>University of Cluj-Napoca, Romania</i>, Study on the implementation of wastewater collection and treatment systems in villages with less than 2000 inhabitants, (authors: Oszkar Gyorkos Zsido, Horatiu Vermesan, Ancuta Tiuc)</p> <p>6. <u>Alin Nicula</u>, <i>Babes-Bolyai University of Cluj-Napoca, Romania</i>, Water quality from Brăteni lake area, Bistrița Năsăud county, (authors: Alin-Marius Nicula, Katja Burow, Erika Kothe, Cristina Roșu)</p> <p>7. <u>Alexandra Cozma</u>, <i>Babes-Bolyai University of Cluj-Napoca, Romania</i>, Hydrogeochemical features of the mineral waters from Ciomadul volcanic area, (Eastern Carpathians, Romania), (authors: Alexandra Iulia Cozma, Calin Baciu, Nicoleta Brisan, Artur Ionescu, Boglarka Kis)</p>	<p>5. <u>Gabriela Ionescu</u>, <i>University Politehnica of Bucharest, Romania</i>, Comprehensive assessment of municipal solid waste management land-use planning in Romania, (authors: Ionescu Gabriela, Rada Elena Cristina, Turcu Ovidiu-Leonard, Apostol Tiberiu)</p>
18:00	19:00	<b>Closing debate session</b>		
		<p><b>Poster Session</b></p> <p><i>Location: Faculty of Environmental Science and Engineering, B wing, ground floor</i></p> <p><i>Help will be provided by the Conference Secretariat – Registration Desk</i></p>		
11:30	13:00	<p><b>POSTER SESSION A</b></p> <p><i>Chair:</i></p> <p><i>Kinga Reti, Babes-Bolyai University</i></p> <ol style="list-style-type: none"> <li>1. N. Ajtai, H. Stefanie, C. Botezan, A. Ozunu, A. Radovici, R. Dumitrache, A. Iriza-Burcă, A. Diamandi, M. Hirtlc, Support Tools for Land Use Policies Based on High Resolution Regional Air Quality Modelling</li> <li>2. S. Andrei, B. Antonescu, Alex Dandocsi, F. Țoacă, A. Nemuc, M. Boldeanu, D. Nicolae, The Assessment of Mineral Dust as a Precursor for Convective Clouds with Hail in South-Eastern Europe</li> <li>3. Simona Andrei, Gabriel Buftia, Razvan Deju, Sebastian Catanoiu, Gabriel-Octavian Lazăr, A Comparison of Heavy Metals Concentration in Soil and Vegetation Between Two Protected Areas</li> <li>4. A.-M. Anghel, Deák György, P. Ionescu, C. Cimpoeu, I. Ciobotaru, E. Marcu, B. Urișescu, L. Lumînăroiu, B. Petculescu, V.-M. Radu, G. Badea, Chemical Status of the Danube River Basin Waters on Romanian Territory by Assessing the Priority Substances - Heavy Metals</li> <li>5. Maxim Arseni, Maria-Catalina Topa, Lucian Puiu Georgescu, Gabriel Murariu, Ionel Popa, Octavian Roman, Analyzing Different Interpolation Method for Creating 3D Bathymetric Models. Case Study: Siret River</li> <li>6. Maxim Arseni, Adrian Roșu, Gabriel Murariu, Lucian Puiu Georgescu, Maria-Catalina Țopa, Lucian Dinca, Calibration of Channel Roughness for Flood Mapping on Lower Siret River Using Hec-Ras Model</li> <li>7. Sara Basart, Slodoban Nickovic, Vassilis Amiridis, Pavla Dagsson-Waldhauserova, Hesham El-Askari, Isadora Christel, Adam Durant, Stelios Kazadzis, Lucia Mona, Alexandra Monteiro, Anca Nemuc, Ina Tegen, Ana Vukovic, Bernadett Weinzierl, Gyorgy Varga, Indust: International Network to Encourage the Use of Monitoring and Forecasting Dust Products</li> <li>8. Vanda Băbălău-Fuss, Ana Moldovan, Emilia Neag, Marius Roman, Anamaria Török, Maria Tofană, Quality and Risk Assesment of Nadas River</li> <li>9. Mihaela Begea, Corina Berkesy, Laszlo Berkesy, Alexandru Cîrîc, Iuliana Diana Bărbulescu, Anamaria Ordace, Ionel Claudiu Gavrioloaie, Ana Retegan, Study on the Utilisation of the Waste Derived from the Baker's Yeast Industry Used as Fertiliser, with Regard to the Egg Plant and Bell Pepper Quality and Yield</li> <li>10. Corina Bocăneală, Daniel-Eduard Constantin, Adrian Roșu, Maxim Arseni, Mirela Voiculescu, The Evolution of NO2 and SO2 Emissions for Some Large Power Plants Located in Romania and Europe</li> <li>11. Mihai Boldeanu, Anca Nemuc, Doina Nicolae, Victor Nicolae, Iwona Stachlewska, Nicolae Ajtai, Rodica Dumitrache, AOD to PM2.5 Conversion Algorithm using WRF-Chem and Satellite Data</li> <li>12. R. Bostan, M. Popa, S. Varvara, M. Iliescu, I. Tomoiaga, The Effect of Compost on Soil Parameters in Wine-Growing Plantation. Case Study - Research Station for Viticulture and Enology Blaj, Romania</li> <li>13. Ana-Ioana Breabăn, Ersilia V. Oniga, Florian Stătescu, Multi-Source Remote Sensing Data Fusion for Urban Land Use</li> </ol>		

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and Cover Classification

14. Nicoleta Bican-Brișan, Alexandra Cucoș (Dinu), Tiberius Dicu, Bety Burgehele, Kinga Szacsvai, Gabriel Dobrei, A Proposed Standardized Protocol for Radon Measurements in Public Buildings from Romania (Schools, Kindergartens and Other Large Buildings for Workplaces)
15. Gabriel Buftia, Emilio Rosales, Marta Pazos, M. Angeles Sanromán, Gabriel Lazar, Advanced Oxidation Process Degradation of Dye Using Carbon Nanotubes
16. Bogdan Buliga, Liviu Nichiforel, Forest Certification in the Context of Highly Regulatory Legal Frameworks: the Case of Romania
17. Constantin Bulimaga, Corina Certan, Aureliu Burgehelea, Nadejda Grabco, Vladimir Mogîldea, Soil-Vegetation Relationship as Time Function in the Process of Soil Formation and Restoration of Biodiversity on the Surface of Tailings Dumps in the Limestone Quarry of the Joint-Stock Lafarge Cement Plant (Moldova). Case Study
18. Aureliu Burgehelea, Constantin Bulimaga, Liviu Codreanu, The Current State of the Soil Cover in the Raut River Catchment Basin from the Centre Development Region. Case Study.
19. Delia-Gabriela Calinoiu, Gavrilă Trif-Tordai, Ioana Ionel, A Case Study of Aerosol Impact on PV Performance in Romania
20. Teofil Câmpean, Elena-Diana Comăniță, Isabela-Maria Simion, Maria Gavrilescu, Closing the Loop: Reducing the Carbon Footprint of Cardboard Packaging Manufacturing by Eco-Innovation and Eco-Design
21. Alexandru Cocean, Oana Rusu, Alin Rosu, Georgiana Bulai, Adrian Timofte, Iuliana Cocean, Marius-Mihai Cazacu, Silviu-Octavian Gurlui, Space-and-time characterization of trace pollutants over Iasi city. Laser induced RAMAN & breakdown spectroscopy techniques
22. Mirela Coman, Bogdan Cioruța, Sound Pollution, Vibrations and their New Modeling Possibility in the Dynamic System of Soils
23. Elena-Diana Comăniță, Cristina Ghinea, Teofil Câmpean, Maria Gavrilescu, Economic and Environmental Cost Analysis of Corrugated Packaging Alternatives for Closing the Loop in the Manufacturing Sector
24. Gianina E. Damian, Valer Micle, Ioana M. Sur, Adriana M. Chirila Babau, From environmental ethics to sustainable decision-making: assessment of potential ecological risk in soils around abandoned mining areas-case study “Larga de Susmine” (Romania)
25. Constantin Daniel-Eduard, Rosu Adrian, Calcan Andreea, Sebastian Iancu, Measurements of Tropospheric NO<sub>2</sub> Using In-Situ and Mobile DOAS Observations
26. Alexandru Cocean, Oana Rusu, Alin Rosu, Georgiana Bulai, Adrian Timofte, Iuliana Cocean, Marius-Mihai Cazacu, Silviu-Octavian Gurlui, Space-and-Time Characterization of Trace Pollutants over Iasi City. Laser Induced Raman & Breakdown Spectroscopy Techniques
27. Daniel Constantin, Gabriel Murariu, Adrian Rosu, Lucian Dinca, Ionel Popa, Lucian Georgescu, Comparative Study of the Temporal Dynamics of Atmospheric Pollution. Study Case: Galati City
28. Angela Petruta Constantin, Iren Adelina Moldovan, Raluca Partheniu, Franck Lavigne, Delphine Grancher, Comparative Study Regarding the Risk Perception of Tsunamis from Eforie Nord (Romania) and Nice (France) Communities
29. Daniel Constantin, Adrian Rosu, Mirela Voiculescu, Andreea Calcan, Sebastian Iancu, Measurements of Tropospheric NO<sub>2</sub> Using In-Situ and Mobile DOAS Observations
30. Petronela Cozma, Marius Gavrilescu, Raluca-Maria Hlihor, Manuela Olga Pogăcean, Maria Gavrilescu, Probabilistic Modelling of Consumer Exposure to Pesticide Residues in Tomatoes
31. A. Dandocsi, D. Ene, I. Marmureanu, K. Fragkos, Preliminary Results of Ground - Based Column Greenhouse Gases Retrieval using FTIR Spectroscopy
32. Daniela Violeta Dumitrescu, Vasile Soare, Ionut Constantin, Marian Burada, Dumitru Mitrica, Eco-Friendly Recycling Potential of Microwave Melting for the Recovery of Useful and Precious Metals from E-Waste
33. Andrei Enea, Gheorghe Romanescu, Cristian Constantin Stoleriu, Marina Iosub, Iuliana Gabriela Breabăn, An Automated, Multi Parameter, Dem-Based Flood Risk Watershed Model for Mountainous Regions, Using Arcgis (Model Builder)
34. Gergő Érces, Lajos Kátai-Urbán, Gyula Vass, The Technical Evaluation Methods of Disaster Management in Hungary,
35. Cristina Feodorov, Turning Biodegradable Waste from Cost Generator to Profit Generator. Composting with Gore® cover Technology
36. Ferent Minel Ovidiu, Horatiu Vermesan, Ancuta Tiuc, Recycling of Lead Acid Batteries: a Review of Current Processes and Technologies
37. Dan Gavrilescu, Adrian Cătălin Puițel, Roxana Vlase, Bogdan Marian Tofăniță, Raluca Nicu, Ana-Maria Cheșcă, Fibrous Materials from Agricultural Waste for Sustainable Paper Manufacture. The Case of Romania
38. Adrian Roșu, Bogdan Roșu, Daniel-Eduard Constantin, Maxim Arseni, Lucian Puiu Georgescu, Gabriel Murariu, Ionel Popa, Overview of Tropospheric NO<sub>2</sub> Using OMI Observations over the World
39. Rosu Cristina, Roba Carmen, Pistea Ioana, Bascovan Bogdana, Devian Ovidiu, Drinking Water Quality from Private Wells in Two Rural Communities from Cluj and Bistrita-Nasaud Counties – Romania
40. Oana Rusu, Florin Unga, Ioana Popovici, Vicu Grasu, Adrian Timofte, Ovidiu Gelu Tudose, Marius Mihai Cazacu, Evaluation of Air Quality from Measurement Campaign Organised in the Crossing of Podul De Piatra – Iasi City, During February 2018



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		<p>41. Oana Rusu, Vasile Pelin, Marius Mihai Cazacu, Bobi Apăvăloaei, Tony Cristian Dumitriu, Ion Sandu, Silviu Gurlui, The Perfect Pollution: an Overview of the Concept and Approaches to Evaluating of Irreversible Urban Development. A Case Study.</p> <p>42. Cristina Ghinea, Elena Diana Comăniță, Petronela Cozma, Teofil Câmpean, Maria Gavrilesco, Life Cycle Assessment of Different Pallet Types</p> <p>43. Cristian Ghita, Mihail Diaconescu, I.A. Moldovan, Andreea Craiu, E. D. Constantinescu, Using the Etas Model for Catalogue Declustering and Analyses Seismic Sequence in Danubian Seismogenic Area (Crustal Seismicity)</p> <p>44. M. Gorea, J. D. Chelaru, Bizo, A. Tanase, Gypsum-Based Mortars with Addition of Waste for Construction</p> <p>45. Georgiana Grigoraș, Magdalena Ardelean, Andreea Calcan, Study of Variation for the Greenhouse Gas Concentrations in Bucharest's Suburban Area</p> <p>46. Otilia Sanda Prelipceanu, Marius Mihai Cazacu, Adrian Timofte, Gina Tiron, Liviu Leontie, Silviu Gurlui, Mineral Dust Impact on the Amount of Rainfall, in the North-Eastern Part of Romania</p> <p>47. C.M. Helepeciuc (Grădinaru), M. Bărbuță, E. Antohe, D. Babor, A.A. Șerbănoiu, A.C. Grădinaru, Environmental Ethics and Sustainable Development in Building Industry: a Case Study on Agricultural Waste Using as an Alternative to Natural Resources Depleting</p> <p>48. Rosu Alin, Marius-Mihai Cazacu, Silviu Gurlui, A New Telemetric Approach to Retrieve Various Atmospheric Parameters Using Advanced Lidar Techniques</p> <p>49. Jan Horálek, Jana Doubalova, Roman Juras, Nina Benesova, Use of Satellite Data in Data Fusion Methods for Air Quality Mapping</p> <p>50. Petra Ionescu, Violeta-Monica Radu, Deák György, Magdalena Chiriac, Ecaterina Marcu, Irina-Elena Ciobotaru, Alexandru Anton Ivanov, Ana-Maria Anghel, Bogdan Urișescu, Cristina Cimpoeru, Alina Trentea, Iuliana Mărcuș, Assessment of Water Quality Parameters in Lakes from Bucharest-Ilfov Area, Romania</p> <p>51. Luminița Mărmureanu, Cristina Marin, Alexandru Dandocsi, Livio Belegante, Simona Andrei, Flori Toanca, Long Term Assessment of Black Carbon Impact on Air Quality</p> <p>52. Gabriel-Alin Iosob, Maria Prisecaru, Ionuț Stoica, Iuliana Mihaela Lazăr, A Swot Analysis on the Effects of Heavy Metal Contaminated Wastewater Use in Irrigation of Vegetable Crops</p> <p>53. Fragkos Konstantinos, Dragos Ene, Antonescu Bogdan, Comparison of Total Precipitable Water over Magurele</p> <p>54. Jordaan, A.J., Hagan, A., Ogunduji, A., Turton, A., Walker S., Nyam, Y.S., Agricultural Water Scenarios in South Africa – 2030</p> <p>55. Lajos Kiraly, Explosion Risk Management Ways of Different Approaches</p> <p>56. Mirela Voiculescu, Octavian Badescu, Alin Nedelcu, Catalin Negrea, How to Make a GNSS Lemonade Out of Ionospheric Lemons: Use of Errors in Ionospheric Monitoring</p> <p>57. Dacinia Crina Petrescu, Ruxandra Mălina Petrescu-Mag, Dana Malschi, Philippe Burny, Philippe Lebailly, Thomas Dogot, Evaluation of Food Quality from the Point of View of Consumer Health and Environmental Protection</p> <p>58. Stebel K., Schneider P., Ajtai N., Ștefănie H., Botezan C., Diamandi A., Dumitrache R., Horálek J., Doubalová J., Juras R., Benešová N., Vlček O., Nemuc A., Nicolae D., Nicolae V., Boldeanu M., Stachlewska I., Zawadzka O., Novotný P., Vaněk L., Zehner C., Satellite Based Monitoring Initiative for Regional Air Quality (Samira)</p> <p>59. O. Zawadzka, K.M. Markowicz, I.S. Stachlewska, Retrieval of Aerosol Optical Depth from Sevir/Msg Data for Poland, Czech Republic, Romania and Southern Norway</p> <p>60. Chirila Babau Adriana Mihaela, Micle Valer, Sur Ioana Monica, Gianina E. Damian, Ethical Issues in Ecological Restoration of Sterile Dumps and Potential of Plant Species for Phytoremediation: Seed Germination of Robinia Pseudoacacia in Various Amendments with Heavy Metals</p> <p>61. Bogdan Cioruța, Alin Andrei Cioruța, Risks Associated with Waste Management Activities (I): the Natural Post-Disaster Recovery Phase</p> <p>62. Iulia Crăciun, Alexandra Kovacs, Viorel Arghiș, Zoltan Torok, Alexandru Ozunu, Rainfall-runoff and Hydraulic Modelling used for Natech Risk Assessment in Case of an Extreme Storm Event at Valea Șesei Tailing Pond, Romania</p> <p>63. Radu Mihaiescu, Giana Popa, Tania Mihaiescu, Assessment of Water Quality Using Water Quality Index (WQI) Method: Case Study of the Colibita Reservoir (Romania)</p>
15:00	16:30	<p style="text-align: center;"><b>POSTER SESSION B</b></p> <p style="text-align: center;"><i>Chair:</i> <i>Kinga Reti, Babes-Bolyai University</i></p> <p>1. D. Doroșan, R. Bălc, C. Roba, D. Costin, A. Ozunu, J. Kalmár, Effects of Particle Size Distribution on Heavy Metals Content in Soils and Sediments Along the Lăpuș River (Maramureș County, Romania)</p> <p>2. Romica Cretu, Gabriel Murariu, Effect of Liquid Detergents on the Biometric and Physico-Chemical Parameters of Some Plantlets</p> <p>3. Constantin Cazacu, Cristina Popescu, Darmina Nita, Valentin Dinu, Geta Risonveanu, Ecosystem Services in Riparian</p>

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	<p>Areas: Current Structure and Knowledge Needs for Better Decision Making Viktória Finta, Sándor Rác, Issues on Radiological Emergency Response in Hungary</p> <p>4. Timea Gabor, Viorel Dan, Ancuta-Elena Tiuc, Iona Monica Sur, Iulian Nicolae Badila, Climate Change and Urban Energy Practices: Rationalization of Energy Consumption in Shower Systems of Residential Housing</p> <p>5. George-Marian Ispas, Carmen Roba, Ramona Bălce, Delia-Maria Gligor, Assessment of Nutrients Level in Agricultural Greenhouse Soil</p> <p>6. Oana-Corina Jelea, Călin Baci, Dana Malschi, Effects of Heavy Metals Contained in Flotation Tailings from Bozanta Tailings Pond on Plants Used in Revegetation</p> <p>7. Iolanda-Veronica Ganea, Delia Gligor, Alexandrina Nan, Rodica Turcu, Ew Modified-Chitosan for Improved Heavy Metal Adsorption from Wastewater</p> <p>8. Marian-Andrei Istrate, Tiberiu Catalina, Alexandra Cucuș, Indoor Air Quality Assessment in a Classroom using a Heat Recovery Ventilation Unit</p> <p>9. Maria-Alexandra Hoaghia, Oana Cadar, Gheorghe-Gavrila Hognogi, Erika Levei, Cecilia Roman, Quality and Human Health Risk Assessment of Metals and Nitrogen Compounds in Drinking Waters From an Urban Area Near a Former Non-Ferrous Ore Smelter</p> <p>10. Leordean (Sabău) Ramona, Ozunu Alexandru, Török Zoltán, Natech Multi-Risk Assessment for Seveso Type Sites</p> <p>11. C.M. Helepciuc (Grădinaru), M. Bărbuță, V. Ciocan, D. Babor, A.A. Șerbănoiu, A. Burlacu, Improved Building Materials with Agricultural Waste as Part of Sustainable and Ethical Development of Society</p> <p>12. Tatjana Juzsakova, Anett Utasi, Endre Domokos, Ákos Rédey, Renewable Energy and Sustainable Development</p> <p>13. Réti Kinga-Olga, Martonoș Ildikó, Horváth Csaba, The Actually Problem of the Waste Management in Romania</p> <p>14. Levente Levei, Marius Roman, Anamaria Torok, Maria-Alexandra Hoaghia, Alexandru Ozunu, Assessment of Airborne Particulate Matter in Urban Atmosphere of Cluj-Napoca, Romania</p> <p>15. Cristina Marin, Camille Noblet, Tanguy Amodeo, Robin Aujay-Plouzeau, Nicolas Karoski, François Lestremou, Jean-Eudes Petit, Francois Truong, Jean-Luc Besombes, Olivier Favez, Valerie Gros, Luminita Marmureanu, Alexandre Albinet, A Preliminary Study of Real-Time Measurements of Secondary Organic Aerosol (SOA) Formation and Aging from Ambient Air in a Potential Aerosol Mass Reactor (PAM) in the Paris Area</p> <p>16. Marius Lobonțiu, Viorel Dan, Tiberiu Rusu, Research on Low and High Frequency Electromagnetic Radiation in Romania</p> <p>17. Manciula Dorin, Kormos Fiameta, Pávai Mária, Sajó István, Characterization of Nanosized Tin Dioxide Powders</p> <p>18. Vladimir Mogîldea, Aureliu Burghilea, Constantin Bulimaga, Andrian Țugulea, Management of Wastewater Treatment Sludge – Environment Protection Issues</p> <p>19. Octavian-Liviu Muntean, Vlad Măcișan, Cristian Maloș, Gheorghe Roșian, Nicolae Baci, Strategic Environmental Assessment (A Case Study: Sighișoara – Târnavă Mare Protected Area, Romania)</p> <p>20. Gabriel Murariu, Lucian Dinca, Ionel Popa, Ovidiu Badea, Adrian Murariu, Nicoleta Misu, Lucian Georgescu, Forest Monitoring Method Using Combinations of Satellite and UAV Aerial Images. Case Study - Independenta Forest</p> <p>21. Gabriel Murariu, Lucian Dinca, Ionel Popa, Ovidiu Badea, Adrian Murariu, Mihai Dragu, Nicoleta Misu, Growth Rate Modeling for Locust Tree (Robinia Pseudocacia) in the South Eastern Part of Romania: An Important Subject of Forest Protection. Case Study - Independenta Forest</p> <p>22. Constantin Muscalu, Gheorghe Maria, Daniel Dinculescu, Reactor Dimensions Influence on the Optimal Operating Setpoint Choice for a Fixed-Bed Multi-Tubular Catalytic Reactor</p> <p>23. Gheorghe Niculița, Vladimir Brega, The Anthropogenic Impact on the Ecology of the Aquatic Ecosystem of the Lower Nistru River</p> <p>24. Antonia Odagiu, Camelia Oroian, Cristian Predescu, Ioan Oroian, Ilie Covrig, Petru Burduhos, Testing Biomonitoring Capacity of Norway Maple (Acer Platanoides L.) Against Air Pollution with Heavy Metals (Cu, Zn, Pb, Cd, Si)</p> <p>25. Ioan Oroian, Antonia Odagiu, Cristian Predescu, Ilie Covrig, Bianca Bordeanu, Cristian Mălinaș, Wood Ash Administration for Improving Growing Performances of Pear Seedlings in Nurseries with Acid Soils</p> <p>26. Raluca Partheniu, Angela Petruta Constantin, Iren Adelina Moldovan, Dumitru Ioane, Black Sea (Shabla Area) Tsunami Modeling Using Two Different Software</p> <p>27. Partheniu Raluca, Tolea Andreea, Tataru Dragos, Grecu Bogdan, The 8th Of September 2017 Mexico M 8.1 Tsunami Evaluation in Support For Authorities' Rapid Response</p> <p>28. Petaca Alexandru Dan, Phytoremediation of Polluted Water From Rosia Montana Mining Area</p> <p>29. Dacinia Crina Petrescu, Ruxandra Mălina Petrescu-Mag, Nicoleta Bican-Brișan, Shifting Toward a Waste Reduction Behavior. The Consumer's Story</p> <p>30. Sebastian Cristian Radu Plugaru, Viorel Dan, Timea Gabor, Xenia Paula Menti, The Use of Geothermal Water in the Cultivation of Some Algae Species: A Review</p> <p>31. Andreea R. Pogăcian, V. Dan, Analytical Study on Electromagnetic Smog</p> <p>32. Ioana Nicoleta Pop, Călin Baci, Nicoleta Bican-Brișan, From Challenges to Opportunities: Improving Waste Management in Cluj-Napoca, Romania</p> <p>33. Popa A.M., Ioja I.C., Niță M.R., Onose D.A., Badiu D.L., Șandric I.C., Cheval S., Possible Using of NBS for Thermal Stress Mitigation</p> <p>34. Gabriel Popescu, Alina Zaharia, Nicoleta Raluca Jianu, Adrian Mihail Baci, Textile Sludge Recovery for Obtaining Construction Materials</p>
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## Agenda

35. George Poteras, Gyorgy Deak, Andreea Ioana Daescu, Alina Florina Nicolae, Marius Viorel Olteanu, Iasmina Florina Burlacu, Marius Raischi, Innovative Devices of Eco-Electricity Production from Multiple Sources of Energy
36. Violeta-Monica Radu, Petra Ionescu, György Deák, Alexandru Anton Ivanov, Magdalena Chiriac, Ecaterina Marcu, Irina-Elena Ciobotaru, Ana-Maria Anghel, Cristina Cimpoeru, Alina Trentea, Iuliana Mărcuş, Study on the Eutrophic Status of Selected Lakes Riparian to the Colentina River, Bucharest, Romania
37. Reyam Naji Ajmi, Estabraq Mohammed Ati, Abdalkader Saeed Lteef, Hussein Ahmed Sharif, Oday Abdul-Hameed, Hayder Nabeel, Mohammed Amer, Detection of Isotope Stable Radioactive in the Marshes of Southern Iraq by Using GIS
38. Adrian Roşu, Bogdan Roşu, Maxim Arseni, Daniel-Eduard Constantin, Mirela Voiculescu, Lucian Puiu Georgescu, Gabriel Murariu, Alexis Merlaud, Michel Van Roozendae, A Synergistic Approach in Detection of NO<sub>2</sub> Using Max-Doas and Zsl-Doas Observations in South-East of Romania
39. Manases Sandor, Soporan Vasile-Filip, Establishment of Assessment of a Methodology for a Fuel Generated from Degraded Materials from Landfilled Municipal Solid Waste
40. Viktor Sebestyén, Tatjana Juzsakova, Endre Domokos, Ákos Rédey, Advanced Quantitative Environmental Assessment
41. Andrian Seleznev, Assessment of Heavy Metal Pollution an an Urban Environment Based on the Urban Puddle Sediment Survey
42. Sferle T.L., Cucuş A., Burgele B.D., Pop C., Papp B., Florică Ş., Dobrei G., Dicu T., Lupulescu A., Moldovan M.C., Radon Measurements in Environmental Factors (Water, Soil and Air) from Timișoara County, România
43. Isabela Maria Simion, Roşca Mihaela, Raluca-Maria Hlihor, Manuela Olga Pogăcean, Maria Gavrilescu, An Approach Towards Human Health Risk Assessment of Pesticide Residues in Apples
44. Radu Simion, Environmental- Embodied Education: Virtues for Social Hygiene and Self- enjoyment
45. Costică Sofronie, Alexandru-Petru Cîrcu, Flood Risk Management Case Study on the Application of Measures in the Somes-Tisa Water Catchment
46. Raluca-Ioana Stefan-Van Staden, Mariana Mincu, Jacobus Frederick Van Staden, Livia Alexandra Gugoasa, Roxana-Luisa Popescu-Mandoc, Graphene-Based Stochastic Microsensors as Tools for Simultaneous Recognition of Nitrites and Nitrates in Water Samples
47. Sabina Ştefan, Bianca Mihalache, Angelo Voicu, Florica Ţoancă, Estimation of Mixing Layer Height Using Vaisala Cl 31 Ceilometers
48. Ioana Monica Sur, Valer Micle, Adriana Mihaela Chirila - Babau, Timea Gabor, Extraction of Lead From Polluted Soils
49. Roxana Ţîncu, José Luis Zêzere, Iulia Crăciun, Gabriel Lazăr, Iuliana Lazăr, Quantitative Micro-Scale Flood Risk Assessment in a Section of the Trotuş River, Romania
50. Danalache Tiberius, Badilita Alin, Raischi Marius, Deak Gyorgy, Holban Elena, Cristea Alexandru, Zamfir Ştefan, Fronescu Diana, Gheorghe Ionuţ, Sturgeon Migration Monitoring on Danube Delta Branches using Ultrasonic Telemetry and DKMR-01t Monitoring System
51. Victorin-Emilian Toader, Iren-Adelina Moldovan, Constantin Ionescu, Alexandru Marmureanu, Andrei Mihai, Environmental Research in a Seismic Area
52. S. Varvara, R. Bostan, M. Popa, Evaluation of Propolis as Environmentally-Friendly Corrosion Inhibitor for Bronze in Simulated Acidic Rain
53. Dumitru Văju, Mihaela Hetvary, Daniela Maria Ignat, Gabriela Băisan, Daniela Stanciu, Magnetite Utilisation for Purging the Industrial Waters Polluted by Heavy Metals
54. Cezara Voica, Cristina Rosu, Andreea Maria Iordache, Ioana Pisteu, The Romanian Consumer among Education, Information, Health Risk, Food Quality and Ethics
55. Vigh Melinda, The Qualitative Aspects of the Tur River Water
56. Angelo Voicu, Sebastian Iancu, Alexis Merlaud, Daniel Constantin, MAX-DOAS Observation of Trace Gases using the SWING Platform
57. Bogdan Zorila, Software Developments for Monitoring Meteorological and Radiological Parameters
58. Petre Min, Key Factors in the Emergency Management System

### DAREnet poster session

#### Horizon 2020 project DAREnet - Danube river region Resilience Exchange network

(The first TWG Workshop took place on 15<sup>th</sup> and 16<sup>th</sup> May in Cluj-Napoca, Romania)

*Chair:*

*Christian Illing, Federal Agency for Technical Relief (THW), Germany*

*Gaby Gurczik, German Aerospace Center, Germany*

1. Vladimir Cvetkovic, Resilience of citizens
2. Kristof Pleban, Civil Protection Training
3. Alexandro Iliev, Spontaneous Volunteers
4. Alexandru Ozunu, Viorel Arghiuş, Ioana Piştea, Civil Protection Methods, Procedures and Technology
5. Daria Zadrancowicz, Andrzej Adamczyk, Communication
6. Gaby Gurczik, Sandro Martinis, General Data Management

# Agenda

Start	End	
<b><i>Day 3, Saturday 19 May 2018</i></b>		
		<b>POST-CONFERENCE FIELD TRIPS (OPTIONAL)</b>
8:30	22:00	<b>1: Full-day field trip to Apuseni Mountains</b> <b>Departure from: Faculty of Environmental Science and Engineering</b>
9:00	13:00	<b>2: Half-day field trip to Turda salt mine</b> <b>Departure from: Faculty of Environmental Science and Engineering</b>