



35th EARSeL Symposium

Final Program

Filter by track / submission type

Session Overview

Date: Monday, 15/Jun/2015

- | | |
|--------------------------------|--|
| 9:00am - 10:30am
E1 | PL-1: Symposium Opening and Plenary Session 1 - ESA & GEO
Session Chair: Prof. Yifang Ban , KTH Royal Institute of Technology, Sweden
7 Presentations ↓ |
| 11:00am - 12:30pm
E1 | MON-1: Urban Remote Sensing - 1
Session Chair: Prof. Carsten Juergens , Ruhr-University Bochum, Germany
Session Chair: Dr. Barbara Ryan , GEO, Switzerland
5 Presentations ↓ |
| 11:00am - 12:30pm
E2 | MON-2: Cultural Heritage and Education
Session Chair: Dr. Mario Hernandez , Future Earth, Mexico
Session Chair: Prof. Alexander Siegmund , University of Education & University Heidelberg, Germany
5 Presentations ↓ |
| 1:30pm - 2:30pm
E1 | PL-2: Plenary Session 2 - BIOMASS & Change Detection
Session Chair: Prof. Yifang Ban , KTH Royal Institute of Technology, Sweden
2 Presentations ↓ |
| 2:30pm - 4:10pm
E1 | MON-3: Forestry Remote Sensing - 1
Session Chair: Dr. Thuy Le Toan , Centre d'Etudes Spatiales de la Biosphere (CESBIO), France
Session Chair: Prof. Håkan Olsson , SLU, Sweden
5 Presentations ↓ |
| 2:30pm - 4:10pm
E2 | MON-4: 3D Remote Sensing
Session Chair: Prof. Mattia Crespi , University of Rome "La Sapienza", Italy, Italy
Session Chair: Dr. Karsten Jacobsen , Leibniz University Hannover, Germany
5 Presentations ↓ |
| 4:30pm - 6:10pm | MON-5: Agriculture Remote Sensing
Session Chair: Dr. Edward Charles (Ted) Huffman , Government of Canada, Canada
Session Chair: Dr. JIALI SHANG , Agriculture and Agri-Food Canada, Canada
5 Presentations ↓ |
| 4:30pm - 6:10pm
E33 | MON-6: Thermal Infrared Remote Sensing - 1
Session Chair: Dr. Chris Hecker , University of Twente, Netherlands, The
Session Chair: Dr. Claudia Kuenzer , German Aerospace Center (DLR), Germany
4 Presentations ↓ |

Date: Tuesday, 16/Jun/2015

- | | |
|------------------------------------|--|
| 8:20am - 10:00am
E2 | TUE-1: LiDAR & RADAR Data Processing
Session Chair: Dr. Malcolm Davidson , ESA, Netherlands, The
Session Chair: Prof. Mattia Crespi , University of Rome "La Sapienza", Italy, Italy
5 Presentations ↓ |
| 8:20am - 10:00am
E1 | TUE-2: UAVs & Airborne Hyperspectral Remote Sensing
Session Chair: Dr. Bogdan Zagajewski , University of Warsaw, Faculty of Geography and Regional Studies, Poland
Session Chair: Dr. Olena Dubovyk , University of Bonn, Germany
4 Presentations ↓ |
| 10:30am - 12:30pm
E2 | TUE-3: Urban Remote Sensing - 2
Session Chair: Prof. Carsten Juergens , Ruhr-University Bochum, Germany
Session Chair: Dr. Daniele Ehrlich , EC Joint Research Centre, Italy
5 Presentations ↓ |
| 10:30am - 12:30pm
E1 | TUE-4: Vegetation and Vegetation Dynamics
Session Chair: Prof. Gunter Menz , Bonn University, Department of Geography, Germany
Session Chair: Prof. Yeqiao Wang , University of Rhode Island, United States of America
6 Presentations ↓ |
| 1:30pm - 2:30pm
E1 | PL-3: Plenary Session 3 - Future Earth
2 Presentations ↓ |
| 2:40pm - 4:00pm
E1 | TUE-5: Land Cover and Validation
Session Chair: Prof. Jun Chen , National Geomatics Center of China, China, People's Republic of
Session Chair: Camilla Jönsson , Metria AB, Sweden
3 Presentations ↓ |
| 2:40pm - 4:00pm
E2 | TUE-6: Thermal Infrared Remote Sensing - 2
Session Chair: Dr. Claudia Kuenzer , German Aerospace Center (DLR), Germany
Session Chair: Dr. Chris Hecker , University of Twente, Netherlands, The
4 Presentations ↓ |
| 4:30pm - 6:00pm
E-Atrium | TUE-7: Poster Session
Session Chair: Jan Haas , KTH Royal Institute of Technology, Sweden
Session Chair: Alexander Jacob , KTH Royal Institute of Technology, Sweden
31 Presentations ↓ |

Date: Wednesday, 17/Jun/2015

8:20am - 8:50am	PL-4: Plenary Session 4 - Forestry Remote Sensing in Sweden 1 Presentations ↓
E1	
8:50am - 10:10am	WED-1: Forestry Remote Sensing - 2 Session Chair: Dr. Thuy Le Toan , Centre d'Etudes Spatiales de la Biosphere (CESBIO), France Session Chair: Prof. Håkan Olsson , SLU, Sweden 4 Presentations ↓
E1	
8:50am - 10:10am	WED-2: Image Processing: Optical Data Session Chair: Dr. Paul Aplin , University of Nottingham, United Kingdom 3 Presentations ↓
E2	
1:30pm - 2:30pm	PL-5: Plenary Session 5 - The Swedish EO Program & Multitemporal Analysis (Symposium & Workshop Joint Session) 2 Presentations ↓
E1	
3:00pm - 5:00pm	WED-4: Oceans, Coastal Zones & Inland Waters Session Chair: Dr. Vera Rostovtseva , P.P.Shirshov Institute of Oceanology RAS, Russian Federation 3 Presentations ↓
E35	
3:00pm - 5:00pm	WED-5: Multitemporal Analysis and Change Detection (Symposium and Temporal Analysis Workshop Joint Session) Session Chair: Prof. Yifang Ban , KTH Royal Institute of Technology, Sweden Session Chair: Prof. Eberhard Parlow , University Basel, Switzerland 6 Presentations ↓
E1	

Date: Thursday, 18/Jun/2015

8:20am - 9:40am	THU-1: Hyperspectral Remote Sensing and New Instruments Session Chair: Dr. Christian Rogass , Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences, Germany Session Chair: Prof. Arnon Karnieli , Ben Gurion University, Israel 4 Presentations ↓
E35	
10:10am - 11:50am	THU-2: Disaster Management Session Chair: Dr. Tuong Thuy Vu , University of Nottingham, Malaysia campus, Malaysia Session Chair: Dr. Stefania Amici , Istituto Nazionale di Geofisica e Vulcanologia, Italy 5 Presentations ↓
E35	

Presentations**PL-1: Symposium Opening and Plenary Session 1 - ESA & GEO**

Time: Monday, 15/Jun/2015: 9:00am - 10:30am · Location: E1
Session Chair: Yifang Ban, KTH Royal Institute of Technology, Sweden

Maximum number of presentations for this session: 3

Welcome Address: KTH Prorektor

Eva Malmström Jonsson
KTH Royal Institute of Technology, Sweden;

Welcome Address: KTH Space Center

Christer Fuglesang
KTH Royal Institute of Technology, Sweden;

Welcome Address: Swedish National Space Board

Göran Boberg
Swedish National Space Board, Sweden;

Welcome Address: EARSeL President

Lena Halounova
Czech Technical University in Prague, Czech Republic;

Opening Remark

Yifang Ban
KTH Royal Institute of Technology, Sweden;

ESA Earth Observation Programmes - Status and Perspectives

Malcolm Davidson
ESA, Netherlands, The;

GEO's Activities in Earth Observations

Barbara Ryan
GEO, Switzerland;

MON-1: Urban Remote Sensing - 1

Time: Monday, 15/Jun/2015: 11:00am - 12:30pm · Location: E1
Session Chair: Carsten Juergens, Ruhr-University Bochum, Germany
Session Chair: Barbara Ryan, GEO, Switzerland

ESA DUE INNOVATOR III: EO4Urban

Yifang Ban¹, Paolo Gamba²
¹KTH Royal Institute of Technology, Stockholm, Sweden; ²University of Pavia, Italy;

Global Human Settlement Layer project of the EC JRC: basic concepts and results

Martino Pesaresi, Daniele Ehrlich
EC Joint Research Centre, Italy;

Towards development of South African National Human Settlement Layer using high resolution imagery

Naledzani Audrey Mudau
South African National Space Agency, South Africa;

Object-based Urban Land Cover Mapping Using Sentinel-1A Images with KTH-SEG: Preliminary Results

Alexander Jacob, Yifang Ban
KTH Royal Institute of Technology, Stockholm, Sweden;

Remote Sensing monitoring large-scale construction project

Tuong Thuy Vu, Darshana Wickramasinghe, Moataz Ahmed, Tomas Maul
University of Nottingham, Malaysia campus, Malaysia;

MON-2: Cultural Heritage and Education

Time: Monday, 15/Jun/2015: 11:00am - 12:30pm · Location: E2
Session Chair: Mario Hernandez, Future Earth, Mexico
Session Chair: Alexander Siegmund, University of Education & University Heidelberg, Germany

<p>Gollevárre – A comparative study of remote sensing based methodological approaches to mapping cultural heritage in Northern landscapes Alma Elizabeth Thuestad, Stine Barlinthaug, Elin Rose Myrvoll, Ole Risbøl Norwegian Institute for Cultural Heritage Research, Norway;</p>
<p>Potential and application of Remote Sensing and digital Geomedia for World Heritage observation and education Alexander Siegmund University of Heidelberg;</p>
<p>Monitoring of Sighisoara UNESCO World Heritage Site Using Space Technologies Iulia Dana Romanian Space Agency, Romania;</p>
<p>“Take a Walk on the Wild Side” – Experiences of a Road Show on Space Travels and Earth Observation through Schools in Germany Andreas Rienow, Sascha Heinemann, Esther Amler University of Bonn, Germany;</p>
<p>“All good things come to an end?” – A Decade of Remote Sensing in School Lessons Andreas Rienow¹, Roland Goetzke², Henryk Hodam³, Gunter Menz¹, Annette Ortwein¹, Kerstin Voß³ ¹University of Bonn, Germany; ²Federal Institute for Research on Building, Urban Affairs and Spatial Development; ³Koblenz University of Applied Sciences;</p>
<p>PL-2: Plenary Session 2 - BIOMASS & Change Detection <i>Time:</i> Monday, 15/Jun/2015: 1:30pm - 2:30pm · <i>Location:</i> E1 <i>Session Chair:</i> Yifang Ban, KTH Royal Institute of Technology, Sweden</p>
<p>The BIOMASS Mission: To Reduce Uncertainties in Our Knowledge of the Terrestrial Carbon Cycle Thuy Le Toan Centre d'Etudes Spatiales de la Biosphere (CESBIO), France;</p>
<p>Change Detection: Challenges and Opportunities with New Remote Sensing Satellites Lorenzo Bruzzone Dept. of Information Engineering and Computer Science, University of Trento, Italy;</p>
<p>MON-3: Forestry Remote Sensing - 1 <i>Time:</i> Monday, 15/Jun/2015: 2:30pm - 4:10pm · <i>Location:</i> E1 <i>Session Chair:</i> Thuy Le Toan, Centre d'Etudes Spatiales de la Biosphere (CESBIO), France <i>Session Chair:</i> Håkan Olsson, SLU, Sweden</p>
<p>Forest stratification to accurately assess carbon stock changes in Democratic Republic of Congo: EO4REDD project. Benjamin Beaumont², Tom Akkermans¹, Alban Bouvy¹, Nathalie Stephenne² ¹WALPHOT SA, Jambes, Belgium; ²ISSeP, Liège, Belgium;</p>
<p>Assimilating remote sensing data with forest growth models Mattias Nyström¹, Nils Lindgren¹, Jörgen Wallerman¹, Sarah Ehlers¹, Anton Grafström¹, Anders Muszta¹, Kenneth Nyström¹, Erik Willén², Johan E.S. Fransson¹, Jonas Bohlin¹, Håkan Olsson¹, Göran Ståhl¹ ¹Swedish University of Agricultural Sciences, Sweden; ²Skogforsk, Uppsala, Sweden;</p>
<p>Decomposing multispectral forest signatures of satellite imageries by modelling radiative transfers based on structural data from terrestrial laser scanning Korbinian Schmidtnr^{1,2}, Magnus Bremer², Martin Rutzinger^{1,2} ¹Austrian Academy of Sciences, IGF - Interdisciplinary Mountain Research, Austria; ²University of Innsbruck, Institute for Geography, Innrain 52, 6020 Innsbruck, Austria;</p>
<p>Estimating vertical canopy cover with dense point cloud data from matching of digital aerial photos Ann-Helen Granholm, Nils Lindgren, Kenneth Olofsson, Anna Allard, Håkan Olsson Swedish University of Agricultural Sciences, Sweden;</p>
<p>Biomass burned retrieval by means of the FRP power law and sparse satellite observations Pablo Salvador¹, Xianlin Quin², Julia Sanz¹, Zengyuan Li², Victor Molina¹, Miguel García¹, José Luis Casanova¹ ¹University of Valladolid, Spain; ²RIFRIT, CAF, China;</p>
<p>MON-4: 3D Remote Sensing <i>Time:</i> Monday, 15/Jun/2015: 2:30pm - 4:10pm · <i>Location:</i> E2 <i>Session Chair:</i> Mattia Crespi, University of Rome "La Sapienza", Italy, Italy <i>Session Chair:</i> Karsten Jacobsen, Leibniz University Hannover, Germany</p>
<p>Globally Optimal DSM Fusion Roland Perko¹, Christopher M. Zach² ¹Joanneum Research, Graz, AT; ²Toshiba Research Europe, Cambridge, UK;</p>
<p>The 0.4 arcsec TanDEM-X Intermediate DEM with respect to the SRTM and the ASTER global DEMs: extended Dimitra Vassilaki, Thanasis Stamos NTUA, Greece;</p>
<p>Open source tool for DSM generation: development and implementation of an OSSIM Plugin Martina Di Rita, Andrea Nascetti, Mattia Crespi "Sapienza" University of Rome, Italy;</p>
<p>Geometric potential of Pleiades models with small base length Karsten Jacobsen Leibniz University Hannover, Germany;</p>
<p>Mapping with Pleiades pan-sharpened images Gurcan Buyuksalih², Karsten Jacobsen¹ ¹BIMTAS, Istanbul, Turkey; ²Leibniz University Hannover, Germany;</p>
<p>MON-5: Agriculture Remote Sensing <i>Time:</i> Monday, 15/Jun/2015: 4:30pm - 6:10pm <i>Session Chair:</i> Edward Charles (Ted) Huffman, Government of Canada, Canada <i>Session Chair:</i> JIALI SHANG, Agriculture and Agri-Food Canada, Canada</p>
<p>Crop classification using a fuzzy decision tree and phenological indicators derived from MODIS data Jiangui Liu, Ted Huffman, Jiali Shang, Budong Qian, Taifeng Dong, Yinsuo Zhang Agriculture and Agri-Food Canada, Canada;</p>
<p>Use of non-negative matrix factorization based on satellite images for the collection of agricultural statistics Zakaria BENYELLES, Djaafar YOUSFI center of space technics;</p>

<p>A machine learning approach for agricultural parcel delimitation through agglomerative segmentation Angel Mario Garcia-Pedrero¹, Consuelo Gonzalo-Martin¹, Mario Lillo-Saavedra² ¹Universidad Politécnica de Madrid, Spain; ²Universidad de Concepción, Chile;</p>
<p>Evapotranspiration mapping without thermal band using Random Forest Consuelo Gonzalo-Martin¹, Mario Lillo-Saavedra², Angel M. Garcia-Pedrero¹, David Fonseca-Luengo², Octavio Lagos², Ernestina Menasalvas¹ ¹Universidad Politécnica de Madrid, Spain; ²Universidad de Concepción, Chile;</p>
<p>Evaluating and predicting water consumption by irrigated agriculture and spread of agricultural fields in the semi-arid regions of the northwestern Negev, Israel Assaf Chen¹, Itzhak Benenson², Arnon Karnieli¹ ¹Ben Gurion University, Israel; ²Tel Aviv University, Israel;</p>
<p>MON-6: Thermal Infrared Remote Sensing - 1 <i>Time: Monday, 15/Jun/2015: 4:30pm - 6:10pm · Location: E33</i> <i>Session Chair: Chris Hecker, University of Twente, Netherlands, The</i> <i>Session Chair: Claudia Kuenzer, German Aerospace Center (DLR), Germany</i></p>
<p>Thermal infrared images – Which information can be retrieved from this data? Eberhard Parlow University Basel, Switzerland;</p>
<p>RESOLUTION ENHANCEMENT OF THERMAL IMAGES VIA MULTITEMPORAL FUSION OF ETHEROGENEOUS DATA RITA MONTONE¹, PAOLO ADESSO¹, RICCARDO GARELLA¹, MAURIZIO LONGO¹, ROCCO RESTAINO¹, GEMINE VIVONE² ¹Università degli studi di Salerno, Italy; ²North Atlantic Treaty Organization Science and Technology Organization Centre for Maritime Research and Experimentation 19126 La Spezia, Italy;</p>
<p>USING TIR AND SWIR AIRBORNE IMAGING SPECTROMETRY TO MAP DOMINANT MINERALOGY IN A COMPLEX ALTERATION SYSTEM Babatunde Fagbohun, Christoph Hecker, Frank J.A. Van Ruitenbeek University of Twente, The Netherlands;</p>
<p>Risk of spontaneous combustion in Belgium mining waste deposits Benjamin Beaumont¹, Nathalie Stephenne¹, Mathieu VESCHKENS¹, Rudi GOOSSENS², Vincent TIGNY³, Philippe HEMROULLE⁴ ¹ISSEP, Institut Scientifique de Service Public, 200 rue du Chéra, 4000 Liège, Belgium; ²Universiteit Gent, Krijgslaan 281 S8, 9000 gent, Belgium; ³GIM, Geographic Information Management, Interleuvenlaan 5, 3001 Herverlee, Belgium; ⁴SPW, Service Public de Wallonie, 15 av. Prince de Liège, 5100 Jambes, Belgium;</p>
<p>TUE-1: LiDAR & RADAR Data Processing <i>Time: Tuesday, 16/Jun/2015: 8:20am - 10:00am · Location: E2</i> <i>Session Chair: Malcolm Davidson, ESA, Netherlands, The</i> <i>Session Chair: Mattia Crespi, University of Rome "La Sapienza", Italy, Italy</i></p>
<p>AN OPEN SOURCE RANSAC-BASED PLUG-IN FOR BUILDING ROOF EXTRACTION FROM LIDAR POINT CLOUDS Roberta Ravanelli, Andrea Nascetti, Mattia Crespi University of Rome "La Sapienza", Italy;</p>
<p>COSMO-SkyMed contribution in the polar regions Maria Girolamo Daraio, Maria Libera Battagliere, Fabrizio Battazza, Alessandro Coletta Italian Space Agency, Italy;</p>
<p>SAR AMPLITUDE DATA APPLICATION TO CENTIMETER DISPLACEMENTS DETECTION Paola Capaldo, Francesca Fratancangeli, Andrea Nascetti, Mattia Crespi University of Rome "La Sapienza", Italy;</p>
<p>Polarimetric SAR Image Classification Using Improved Multiple-Component Model-Based Decomposition Deliang Xiang¹, Yifang Ban² ¹KTH Royal Institute of Technology, Sweden; ²KTH Royal Institute of Technology, Sweden;</p>
<p>Iceberg tracking for ship routing Gisela K. Carvajal Cortez, Anders Berg Chalmers University of Technology, Sweden;</p>
<p>TUE-2: UAVs & Airborne Hyperspectral Remote Sensing <i>Time: Tuesday, 16/Jun/2015: 8:20am - 10:00am · Location: E1</i> <i>Session Chair: Bogdan Zagajewski, University of Warsaw, Faculty of Geography and Regional Studies, Poland</i> <i>Session Chair: Olena Dubovyk, University of Bonn, Germany</i></p>
<p>Contemporary Data Acquisition Technologies for Large Scale Mapping Chrysa Oikonomou, Ellie Stathopoulou, Andreas Georgopoulos National Technical University of Athens, Greece;</p>
<p>Remote sensing from multi-rotor UAVs Michael Patrick Tuohy, Matthew Eric Irwin Massey University, New Zealand;</p>
<p>The use of APEX data to estimate vegetation condition of non-forest communities in Karkonosze Mountains Monika Kacprzyk¹, Anna Jarocińska¹, Bogdan Zagajewski¹, Adrian Ochtyra^{1,2}, Adriana Marcinkowska-Ochtyra¹, Lucie Kupkova³ ¹University of Warsaw, Faculty of Geography and Regional Studies, Poland; ²University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences; ³Charles University in Prague, Faculty of Science, Czech Republic;</p>
<p>Non-forest vegetation communities classification based APEX hyperspectral data Adriana Marcinkowska-Ochtyra¹, Bogdan Zagajewski¹, Adrian Ochtyra^{1,2}, Edwin Raczek¹, Anna Jarocińska¹, Bronisław Wojtuś³ ¹University of Warsaw, Faculty of Geography and Regional Studies, Poland; ²University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences, Poland; ³Wrocław University, Faculty of Biological Sciences, Department of Ecology, Biogeochemistry & Environmental Protection, Poland;</p>
<p>TUE-3: Urban Remote Sensing - 2 <i>Time: Tuesday, 16/Jun/2015: 10:30am - 12:30pm · Location: E2</i> <i>Session Chair: Carsten Juergens, Ruhr-University Bochum, Germany</i> <i>Session Chair: Daniele Ehrlich, EC Joint Research Centre, Italy</i></p>
<p>SYNERGIES OF SENTINEL-1A SAR AND SENTINEL-2A MSI DATA FOR URBAN ECOSYSTEM MAPPING Jan Haas, Yifang Ban KTH Royal Institute of Technology, Sweden;</p>
<p>Biotope mapping methodology for detailed studies of urban green structure - the need for combined RS techniques and stakeholder interactions Helle Skånes Stockholm University, Sweden;</p>

<p>The use of AISA hyperspectral image to analyse trees biophysical parameters on urban areas</p> <p>Anna Jarocinska¹, Bogdan Zagajewski¹, Małgorzata Białczak¹, Adriana Marcinkowska-Ochtyra¹, Lukasz Slawik²</p> <p>¹University of Warsaw, Faculty of Geography and Regional Studies, Poland; ²MGGP Aero Sp. z o.o., Tarnow, Poland;</p>
<p>Analysis of the Soil Sealing Enhancement project for Poland</p> <p>Agnieszka Soszyńska¹, Małgorzata Krowczyńska¹, Piotr Pabjanek¹, Michał Miecznikowski¹, Ewa Wilk¹, Pavol Hurbánek², Konštantín Rosina³</p> <p>¹University of Warsaw, Poland; ²Catholic University in Ružomberok, Faculty of Education, Geography Department, Ružomberok, Slovakia; ³Catholic University in Ružomberok, Faculty of Education, Geography Department, Ružomberok, Slovakia;</p>
<p>The dynamics of a city. Over 40 years of change in Bucharest and its detection in multitemporal satellite imagery.</p> <p>Mihaela Aldea¹, Florian Petrescu¹, Eberhard Parlow², Cristina Iacoboaia¹</p> <p>¹Technical University of Civil Engineering, Romania; ²University Basel, Switzerland;</p>
<p>TUE-4: Vegetation and Vegetation Dynamics</p> <p><i>Time:</i> Tuesday, 16/Jun/2015: 10:30am - 12:30pm · <i>Location:</i> E1 <i>Session Chair:</i> Gunter Menz, Bonn University, Department of Geography, Germany <i>Session Chair:</i> Yeqiao Wang, University of Rhode Island, United States of America</p>
<p>Estimation of gross primary production in a Mediterranean tree-grass (dehesa) ecosystem from Landsat images</p> <p>Lidia Vlassova^{1,2}, Javier Pacheco-Labrador³, Pilar Martin³, Arnaud Carrara⁴, Olga Rosero¹, Fernando Pérez-Cabello¹</p> <p>¹GEOFOREST Group Department of Geography and Land Management, University of Zaragoza, (UZ). Pedro Cerbuna 12, 50009, Zaragoza, Spain.; ²Department of Environmental Sciences, Technical State University of Quevedo (UTEQ). Km 1.5 Vía Sto. Domingo, Quevedo, Ecuador.; ³Environmental Remote Sensing and Spectroscopy Laboratory (SpecLab), Spanish National Research Council. Albasanz 26-28, 28037, Madrid, Spain.; ⁴Mediterranean Center for Environmental Studies (CEAM). Parque Tecnológico, Charles R. Darwin, 14 46980 – Paterna, Valencia, Spain.;</p>
<p>Remote sensing of primary production in the Sahel</p> <p>Jonas Ardö</p> <p>Lund University, Sweden;</p>
<p>Remote Sensing of vegetation dynamics over southern Africa</p> <p>Olena Dubovyyk¹, Tobias Landmann², Barend F. N. Erasmus³, Andreas Tewes^{1,4}, Jürgen Schellberg^{1,4}</p> <p>¹Center for Remote Sensing of Land Surfaces, University of Bonn, Germany; ²Earth Observation Unit, International Center of Insect Physiology and Ecology; ³Global Change and Sustainability Research Institute, University of the Witwatersrand; ⁴Institute of Crop Science and Resource Conservation (INRES), University of Bonn;</p>
<p>Upland vegetation mapping in Ireland using Random Forests with optical and radar satellite data</p> <p>Brian Barrett¹, Christoph Raab¹, Fiona Cawkwell¹, Stuart Green²</p> <p>¹University College Cork (UCC), Ireland; ²Teagasc - Irish Agriculture and Food Development Authority;</p>
<p>Data fusion for assessment of vegetation condition in Tatra National Park (Poland)</p> <p>Adrian Ochtyra^{1,2}, Bogdan Zagajewski¹, Anna Kozłowska³, Marlena Kycko¹, Anna Jarocińska¹, Adriana Marcinkowska-Ochtyra¹</p> <p>¹University of Warsaw, Faculty of Geography and Regional Studies, Department of Geoinformatics, Cartography and Remote Sensing; ²University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences; ³Institute of Geography and Spatial Organization PAS, Department of Geoecology and Climatology;</p>
<p>Classifications of the Vegetation Above the Tree-line in the Krkonoše Mts. National Park Using Multispectral Data</p> <p>Lucie Cervena, Renata Sucha, Lucie Jakesova, Lucie Kupkova</p> <p>Charles University in Prague, Faculty of Science, Department of Applied Geoinformatics and Cartography, Czech Republic;</p>
<p>PL-3: Plenary Session 3 - Future Earth</p> <p><i>Time:</i> Tuesday, 16/Jun/2015: 1:30pm - 2:30pm · <i>Location:</i> E1</p>
<p>The Contribution of Earth Observation to Future Earth: Eventual Role of EARSel</p> <p>Mario Hernandez¹, Thomas Elmqvist²</p> <p>¹Future Earth, Mexico; ²Stockholm Resilience Centre, Stockholm University;</p>
<p>Supporting Future Earth and Post-2015 Agenda with Globeland30</p> <p>Jun Chen</p> <p>National Geomatics Center of China, China, People's Republic of;</p>
<p>TUE-5: Land Cover and Validation</p> <p><i>Time:</i> Tuesday, 16/Jun/2015: 2:40pm - 4:00pm · <i>Location:</i> E1 <i>Session Chair:</i> Jun Chen, National Geomatics Center of China, China, People's Republic of <i>Session Chair:</i> Camilla Jönsson, Metria AB, Sweden</p>
<p>CadasterENV Sweden(Land Cover mapping and monitoring)</p> <p>Camilla Jönsson, Mats Rosengren</p> <p>Metria AB, Sweden;</p>
<p>Integration of multiple spatial datasets in the development of a temporal series of high-accuracy, high-resolution land use maps</p> <p>Ted Huffman¹, Don Leckie², Mark McGovern³, Morten Olesen¹, Melodie Green¹, David Allen Hill², Tamara Rounce¹, James Churchill¹, Jianguo Liu¹</p> <p>¹Agriculture Canada; ²Natural Resources Canada; ³Environment Canada;</p>
<p>Historical land cover change in Alberta and the effects of government intervention on future landscape alteration</p> <p>Kayla Dawne Stan, Arturo Sanchez-Azofeifa</p> <p>University of Alberta, Canada;</p>
<p>TUE-6: Thermal Infrared Remote Sensing - 2</p> <p><i>Time:</i> Tuesday, 16/Jun/2015: 2:40pm - 4:00pm · <i>Location:</i> E2 <i>Session Chair:</i> Claudia Kuenzer, German Aerospace Center (DLR), Germany <i>Session Chair:</i> Chris Hecker, University of Twente, Netherlands, The</p>
<p>Suitability of split window algorithms for AVHRR LST processing using updated parameter sets</p> <p>Corinne Myrtha Frey, Claudia Kuenzer</p> <p>DLR, Germany;</p>
<p>Inter-sensor comparison of lake surface temperatures derived from MODIS, AVHRR and AATSR thermal bands</p> <p>Sajid Pareeth^{1,2,3}, Luca Delucchi¹, Markus Metz¹, Fabio Buzzi⁴, Barbara Leoni⁵, Alessandro Ludovisi⁶, Giuseppe Morabito⁷, Nico Salmasso², Markus Neteler¹</p> <p>¹GIS and Remote Sensing unit, Department of Biodiversity and Molecular Ecology, Research and Innovation Centre, Fondazione Edmund Mach, Trento, Italy; ²Limnology and River Ecology unit, Department of Sustainable Agro-Ecosystems and Bioresources, Research and Innovation centre, Fondazione Edmund Mach, Trento, Italy; ³Department of Biology, Chemistry and Pharmacy, Free University of Berlin, Germany; ⁴ARPA Lombardia, Oggiono (LC), Italy; ⁵Department of Earth and Environmental Sciences, University of Milan-Bicocca, Milan, Italy; ⁶Dipartimento di Chimica, Biologia e Biotecnologie, University of Perugia, Perugia, Italy; ⁷CNR - Istituto per lo Studio degli Ecosistemi, Pallanza (VB), Italy;</p>
<p>Downscaling MODIS Land Surface Temperature using simulated Sentinel-2 imagery</p> <p>Juan Manuel Sánchez¹, Mar Bisquert¹, Vicente Caselles², Vicente García-Santos²</p> <p>¹Applied Physics Department, University of Castilla-La Mancha, Plz. Manuel Meca s/n, 13400 Almadén-Ciudad Real.; ²Earth Physics and Thermodynamics Department, University of Valencia, C/Dr. Moliner 50, 46100 Burjassot-Valencia.;</p>

<p>Thermal Infra-Red Band Calibration and LST Validation of Landsat-7 ETM+ instrument using different atmospheric profiles Dražen Skoković, José Antonio Sobrino, Juan Carlos Jiménez-Muñoz, Guillem Sòria, Yves Julien University of Valencia (UVEG), Spain;</p>
<p>TUE-7: Poster Session Time: Tuesday, 16/Jun/2015: 4:30pm - 6:00pm · Location: E-Atrium Session Chair: Jan Haas, KTH Royal Institute of Technology, Sweden Session Chair: Alexander Jacob, KTH Royal Institute of Technology, Sweden</p>
<p>Monitoring cultural heritage in Polar Regions - a remote sensing study Alma Elizabeth Thuestad¹, Stine Barlindhaug¹, Elin Rose Myrvoll¹, Anne Cathrine Flyen¹, Hans Tømmervik², Bernt Johansen³, Stian Andre Solbø³ ¹Norwegian Institute for Cultural Heritage Research (NIKU); ²Norwegian Institute for Nature Research (NINA); ³Northern Research Institute (NORUT);</p>
<p>Spatial modelling of Common Chimpanzees (<i>Pan troglodytes schweinfurthii</i>) ecological niche in western Rwanda using Remote Sensing and global environmental data Joseph TUYISHIMIRE¹, Philbert NSENGIYUMVA², Gaspard RWANYIZIRI³ ¹University of Rwanda, Rwanda; ²Albertine Rift Conservation society, Uganda; ³CGIS-UR;</p>
<p>Validating two Theoretical models to predict the emissivity of a pure quartz sample between 8-14 µm Vicente García-Santos¹, Raquel Niclòs¹, Eric Valor¹, Juan Manuel Sánchez², Vicente Caselles¹ ¹Earth Physics and Thermodynamic Department, University of Valencia, C/Dr. Moliner 50, 46100 Burjassot, Valencia, Spain.; ²Applied Physics Department, University of Castilla-La Mancha, Plz. Manuel Meca, s/n, 13400 Almadén, Ciudad Real, Spain;</p>
<p>Windthrow change detection analysis (FastResponse) Kathrin Einzmann¹, Andreas Schmitt², Oliver Bauer³, Markus Immitzer¹, Rudolf Seitz³, Andreas Müller², Clement Atzberger¹ ¹University of Natural Resources and Life Sciences (BOKU), Vienna, Austria; ²German Aerospace Center (DLR), Oberpfaffenhofen, Germany; ³Bavarian State Institute of Forestry (LWF), Freising, Germany;</p>
<p>Orthogonal matrix transformed density mapping of vegetation features Thomas Gumbricht Karttur AB, Sweden;</p>
<p>An approach towards representation of orographic terrain in snow modelling Hilda Harirforoush¹, Steve Aleen² ¹Université de Sherbrooke (Québec, Canada); ²Université de Sherbrooke (Québec, Canada);</p>
<p>An unsupervised change detection using the concept of change vector analysis (CVA) based on spectral similarity measures Ahram Song¹, Jaewan Choi², Anjin Chang³, Yeji Kim¹, Yongil Kim¹ ¹Department of Civil and Environmental Engineering, Seoul National University, Korea, Republic of (South Korea); ²School of Civil Engineering, Chungbuk National University, Korea, Republic of (South Korea); ³School of Engineering and Computing Sciences, Texas A&M University-Corpus Christi;</p>
<p>Physical-biogeochemical modelling of Moroccan Upwelling System Zineb EL OUEHABI^{1,3}, Eric MACHU², Aïssa BENAZZOUI¹, Karim HILMI¹, Ahmed MAKAOUI¹, Ghita MANGOUB² ¹INRH, Morocco; ²IRD, France; ³FST Settat, Morocco;</p>
<p>Investigating the effect of fire dynamics on aboveground carbon storage in the Bateke landscape, Congo Paula Nieto Quintano¹, Edward Mitchard¹, Casey Ryan¹, Tim Rayden² ¹University of Edinburgh, United Kingdom; ²Wildlife Conservation Society Congo;</p>
<p>Mapping areas invaded by <i>Prosopis juliflora</i> in Somaliland on Landsat 8 imagery Wei-Tim Ng¹, Felix Rembold², Ugo Leonardi³, Hussein Gadain³, Clement Atzberger¹, Andrew Adam-Bradford⁴ ¹Institute for Surveying, Remote Sensing and Land Information, University of Natural Resources and Life Sciences (BOKU); ²Joint Research Center of the European Commission, MARS Unit; ³Food and Agriculture Organization of the United Nations, Somalia Water and Land Information Management (FAO-SWALIM) Project; ⁴Human Relief Foundation;</p>
<p>Urban Change Detection in Accra Ghana using Landsat ETM images Priscilla Adjei-Darko KTH Royal Institute of Technology, Sweden;</p>
<p>Insights for Manage Geospatial Big Data in Ecosystem Monitoring using Processing Chains and High Performance Computing Fabián Santos Center for Remote Sensing of Land Surfaces (ZFL) - University of Bonn, Germany;</p>
<p>The use of PROSAIL radiative transfer model and APEX images in analysing heterogeneous mountain non-forest communities Anna Jarocinska¹, Bogdan Zagajewski¹, Adrian Ochtyra^{1,2}, Adriana Marcinkowska-Ochtyra¹, Monika Kacprzyk¹, Lucie Kupkova³ ¹University of Warsaw, Faculty of Geography and Regional Studies, Poland; ²University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences; ³Charles University in Prague, Faculty of Science, Czech Republic;</p>
<p>Analysis and modelling of meso- and microscale urban climate in Bucharest, Romania Andreas Wicki¹, Eberhard Parlow¹, Florian Petrescu² ¹University Basel, Switzerland; ²Technical University of Civil Engineering Bucharest;</p>
<p>Characteristics and drivers of grassland change in Northern Croatia during post-socialism Marin Cvitanovic, Ivana Lucev, Borna Fuerst-Bjelis, Suzana Horvat University of Zagreb, Faculty of Science, Croatia;</p>
<p>Changes affecting green space and population. A multitemporal analysis of the Bucharest city. Florin Gaman¹, Florian Petrescu¹, Eberhard Parlow², Oana Luca¹, Mihaela Aldea¹, Mihai Sercaianu¹ ¹Technical University of Civil Engineering, Romania; ²University Basel, Switzerland;</p>
<p>Evaluation on Equation Models Based on Nonnegative Matrix Factorization for Hyperspectral Image Fusion with Multispectral Images Yeji Kim¹, Jaewan Choi², Ahram Song¹, Yongil Kim¹ ¹Seoul National University, Korea, Republic of (South Korea); ²Chungbuk National University, Korea, Republic of (South Korea);</p>
<p>The Romanian Soil Moisture & Temperature Observation Network for the Validation of Satellite Soil Moisture Products Alina Mihaela Ristea, Andrei Diamandi, Anisoara Irimescu, Oana Nicola, Bogdan Lucaschi, Denis Mihalescu National Meteorological Administration, Romania;</p>
<p>Use of time-series satellite remote sensing data for assessment of climate and anthropogenic impacts on forest land-cover MARIA ZORAN¹, ADRIAN DIDA² ¹National Institute of R&D for Optoelectronics, Romania; ²Transilvania University of Brasov, Faculty of Silviculture and Forest Engineering, Brasov, Romania;</p>
<p>The relationship between precipitation and vegetation indices derived from Landsat data Piotr Pabjanek, Anna Jarocinska, Adrian Ochtyra, Marlena Kycko, Anna Chlebicka, Bogdan Zagajewski, Małgorzata Krówczyńska University of Warsaw, Faculty of Geography and Regional Studies, Poland;</p>
<p>Environmental Impact Assessment Follow-up of interchanges: On the exploitation of existing plans and maps for FFLFs-based ground independent geometric correction of aerial images Dimitra Vassilaki, Thanasis Stamos NTUA, Greece;</p>

<p>THE COSMO-SKYMED BACKGROUND MISSION: A DATA ARCHIVE OF PRIMARY IMPORTANCE Patrizia SACCO, Maria Liberia BATTAGLIERE, Maria Girolamo DARAI, Luca FASANO, Alessandro COLETTA Italian Space Agency, Italy;</p>
<p>TREND ANALYSIS IN COSMO-SKYMED GROUND AND ILS&OPS SEGMENTS AS CONDITION BASED MAINTENANCE AND FOR NEW USER NEEDS Luca Fasano¹, Giuseppe Francesco De Luca¹, Mauro Cardone¹, Rosa Loizzo², Damiano De Luca³, Alessandro Rougier³ ¹Agenzia Spaziale Italiana, via del Politecnico s.n.c., 00133 Roma, Italy; ²Agenzia Spaziale Italiana, Centro di Geodesia Spaziale "G. Colombo", 75100 Matera, Italy; ³Telespazio, via Tiburtina 965, 00156 Rome, Italy;</p>
<p>Pansharpening of VHR images using wavelet based methods Alper Akoguz, Melih Hayirsever, Sedef Kent Pinar, Serhat Seker Istanbul Technical University, Turkey;</p>
<p>Roofing classification with the use of APEX hyperspectral airborne imagery Małgorzata Krówczyńska¹, Ewa Wilk¹, Piotr Pabjanek¹, Marcin Sobczak², Bogdan Zagajewski¹ ¹University of Warsaw, Faculty of Geography and Regional Studies, Department of Geoinformatics, Cartography and Remote Sensing, Poland; ²WGS84 Polska Sp. z o.o.;</p>
<p>Tramplong of alpine grassland on WorldView 2 images. Marlena Kycko¹, Bogdan Zagajewski¹, Adrian Ochtyra^{1,2}, Anna Jarocińska¹, Małgorzata Krówczyńska¹, Karolina Orłowska¹, Piotr Pabjanek¹ ¹University of Warsaw, Faculty of Geography and Regional Studies, Department of Geoinformatics and Remote Sensing, Warsaw, Poland; ²University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences, Warsaw, Poland;</p>
<p>The use of AISA hyperspectral image for hydrodynamic model verification Bogdan Zagajewski¹, Anna Jarocińska¹, Anita Sabat¹, Artur Magnuszewski¹, Lukasz Slawik², Adrian Ochtyra^{1,3} ¹University of Warsaw, Faculty of Geography and Regional Studies, Poland; ²MGGP Aero Sp. z o.o., Tarnow, Poland; ³University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences;</p>
<p>Effect of the transformation between global and national geodetic reference systems on the accuracy of GCPs and CPs for georeferencing satellite images Vassilios D. Andritsanos, Michail Gianniou, Dimitra I. Vassilaki Technological and Educational Institute of Athens, Greece;</p>
<p>Geoinformatics in geomorphological mapping Elzbieta Wolk-Musiał, Karolina Orłowska, Wojciech Kiryla, Adrian Ochtyra, Bartosz Szarek, Radosław Gurdak, Adriana Marcinkowska-Ochtyra, Bogdan Zagajewski University of Warsaw, Faculty of Geography and Regional Studies, Department of Geoinformatics, Cartography and Remote Sensing, Poland;</p>
<p>Time Series of Wetland Monitoring Using an Unmanned Aerial Vehicle (UAV) Andreas Christian Müller, Esther Amler, Fridah Kirimi, Gunter Menz University of Bonn, Germany, Germany;</p>
<p>Multitemporal Landsat Data for Urban Sprawl Monitoring in Kigali, Rwanda Theodimir Mugiraneza, Yifang Ban KTH, Royal Institute of Technology, Sweden;</p>
<p>PL-4: Plenary Session 4 - Forestry Remote Sensing in Sweden <i>Time: Wednesday, 17/Jun/2015: 8:20am - 8:50am · Location: E1</i></p>
<p>Forestry Remote Sensing in Sweden Håkan Olsson Swedish University of Agricultural Sciences, Umeå, Sweden;</p>
<p>WED-1: Forestry Remote Sensing - 2 <i>Time: Wednesday, 17/Jun/2015: 8:50am - 10:10am · Location: E1</i> <i>Session Chair: Thuy Le Toan, Centre d'Etudes Spatiales de la Biosphere (CESBIO), France</i> <i>Session Chair: Håkan Olsson, SLU, Sweden</i></p>
<p>Analysis of tree height growth with TanDEM-X data Henrik J. Persson, Johan E.S. Fransson Swedish University of Agricultural Sciences, Sweden;</p>
<p>The current role of SAR interferometry for mapping and forest biomass assessment in the Brazilian Amazon environment João Roberto Santos, Fabio Furlan Gama, Lenio Soares Galvão, Camila Valeria de Jesus Silva, Jose Claudio Mura National Institute for Space Research - INPE, Brazil;</p>
<p>Interferometric and Polarimetric observations of winter forests Ian Anthony Brown, Dimitra Panagiotopoulou Stockholm University, Sweden;</p>
<p>Multi-Temporal Pixel Trajectories of SAR Backscatter and Coherence in Tropical Forests Elsa Carla De Grandi¹, Edward Mitchard¹, Dirk Hoekman², Astrid Verhegghen³, Francesco Holecz⁴, Paula Nieto Quintano¹ ¹School of GeoSciences, University of Edinburgh, United Kingdom; ²Wageningen University; ³Joint Research Center; ⁴Sarmap;</p>
<p>WED-2: Image Processing: Optical Data <i>Time: Wednesday, 17/Jun/2015: 8:50am - 10:10am · Location: E2</i> <i>Session Chair: Paul Aplin, University of Nottingham, United Kingdom</i></p>
<p>Evaluation of multi-temporal and multi-sensor atmospheric correction strategies for land cover accounting and monitoring in Ireland Christoph Raab¹, Brian Barrett¹, Fiona Cawkwell¹, Stuart Green² ¹University College Cork, School of Geography & Archaeology, Ireland; ²Teagasc, Irish Agriculture and Food Development Authority, Ireland;</p>
<p>Unsupervised Classification of Satellite Images using KHM Algorithm and Cluster Validity Index Habib Mahi¹, Nezha Farhi¹, Kaouter Labeled² ¹Centre des Techniques Spatiales, Algeria; ²Faculty of Mathematics and Computer Science Mohamed Boudiaf University, Algeria;</p>
<p>Pansharpening by Rolling Guidance Filter Mario Lillo-Saavedra¹, Consuelo Gonzalo-Martin², Angel Garcia-Pedrero² ¹Universidad de Concepcion, Chile; ²Universidad Politécnica de Madrid;</p>
<p>PL-5: Plenary Session 5 - The Swedish EO Program & Multitemporal Analysis (Symposium & Workshop Joint Session) <i>Time: Wednesday, 17/Jun/2015: 1:30pm - 2:30pm · Location: E1</i></p>
<p>The Swedish Earth Observation Program Olle Norberg Swedish National Space Board, Sweden;</p>

<p>Multitemporal Analysis of Vegetation Dynamics in Different Climate Regions Lars Eklundh Lund University, Sweden;</p>
<p>WED-4: Oceans, Coastal Zones & Inland Waters <i>Time:</i> Wednesday, 17/Jun/2015: 3:00pm - 5:00pm · <i>Location:</i> E35 <i>Session Chair:</i> Vera Rostovtseva, P.P.Shirshov Institute of Oceanology RAS, Russian Federation</p>
<p>Estimating Phosphorus in rivers of Central Sweden using Landsat TM data Marcus Karl Zaine Andersson Stockholm University, Sweden;</p>
<p>Deriving river networks for the Nossob and Auob Rivers in the Kalahari Desert from the SRTM DEM and Landsat 8 imagery Harold Louw Weepener^{1,2}, Adriaan van Niekerk² ¹ARC-Institute for Soil, Climate and Water, Private Bag X79, Pretoria, 0001, South Africa; ²Department of Geography and Environmental Studies, Stellenbosch University, Private Bag X1, Matieland 7602, South Africa;</p>
<p>Using inherent properties of seawater absorption for estimation of natural admixtures concentration from data of optical passive remote sensing of sea surface Vera Rostovtseva P.P.Shirshov Institute of Oceanology RAS, Russian Federation;</p>
<p>WED-5: Multitemporal Analysis and Change Detection (Symposium and Temporal Analysis Workshop Joint Session) <i>Time:</i> Wednesday, 17/Jun/2015: 3:00pm - 5:00pm · <i>Location:</i> E1 <i>Session Chair:</i> Yifang Ban, KTH Royal Institute of Technology, Sweden <i>Session Chair:</i> Eberhard Parlow, University Basel, Switzerland</p>
<p>Multitemporal Remote Sensing for Monitoring, Reporting and Forecasting Ecological Conditions of the Appalachian Environment Yeqiao Wang University of Rhode Island, United States of America;</p>
<p>Using multi-scale change detection analysis to inform conservation practices in Kruger National Park, South Africa Paul Aplin¹, Hannah O'Regan^{1,2}, Christopher Marston¹, David Wilkinson³ ¹University of Nottingham, United Kingdom; ²Evolutionary Studies Institute, University of the Witwatersrand, South Africa; ³Liverpool John Moores University, United Kingdom;</p>
<p>Object-based trend analysis of land use change within a wildlife corridor in India Rutherford Vance Platt, Monica Vini Ogra Gettysburg College, United States of America;</p>
<p>Change Detection and Multi-Temporal Analysis of Gully Erosion in the Tsitsa River Catchment, South Africa, using eCognition Software Simone Norah Pretorius^{1,3}, Harold L Weepener¹, Jacobus J Le Roux², Paul D Sumner³ ¹Agricultural Research Council- Institute for Soil, Climate and Water, Private Bag X79, Pretoria, 0001, South Africa; ²University of the Free State, Department of Geography, University of the Free State, Bloemfontein, 9300, South Africa; ³University of Pretoria, Department of Geography, Geoinformatics and Meteorology, University of Pretoria, Pretoria, 0002, South Africa;</p>
<p>A Novel Approach for Object-based Change Detection Using Multitemporal High Resolution SAR Images Osama Youusif, Yifang Ban Royal Institute of Technology KTH, Sweden;</p>
<p>NEW METHODS FOR TIME SERIES PROCESSING OF IMAGE DATA IN TIMESAT Zhanzhang Cai¹, Lars Eklundh¹, Per Jönsson² ¹Department of Physical Geography and Ecosystem Science, Lund University, Sweden; ²Group for Materials Science and Applied Mathematics, Malmö University, Sweden;</p>
<p>THU-1: Hyperspectral Remote Sensing and New Instruments <i>Time:</i> Thursday, 18/Jun/2015: 8:20am - 9:40am · <i>Location:</i> E35 <i>Session Chair:</i> Christian Rogass, Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences, Germany <i>Session Chair:</i> Arnon Karnieli, Ben Gurion University, Israel</p>
<p>Spaceborne Hyperspectral Remote Sensing of Mineral Deposit Sites in Namibia Christian Mielke^{1,2}, Nina Boesche^{1,2}, Christian Rogass¹, Karl Segl¹, Maximilian Brell^{1,2}, Uwe Altenberger² ¹GFZ Potsdam, Germany; ²Institut fuer Erd und Umweltwissenschaften, Universitaet Potsdam;</p>
<p>Processing chain for 3D hyperspectral object modelling using a single Full Frame Imaging Spectrometer – applications for virtual outcrop exploration of Rare Earth Element and Base Metal deposits Christian Rogass¹, Nina Boesche¹, Christian Mielke¹, Maximilian Brell¹, Rainer Graser², Rene Michels² ¹Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences, Germany; ²Cubert GmbH;</p>
<p>Hyperspectral Characterization of Carbonatitic Rare Earth Deposits - from near-outcrop to space Nina Boesche, Christian Rogass, Christian Mielke, Luis Guanter Helmholtz Centre Potsdam - GFZ German Research Centre for Geosciences, Germany;</p>
<p>THE VENUS PROGRAM Arnon Karnieli¹, Gerard Dedieu², Olivier Hagolle² ¹Ben Gurion University, Israel; ²CESBIO, France;</p>
<p>THU-2: Disaster Management <i>Time:</i> Thursday, 18/Jun/2015: 10:10am - 11:50am · <i>Location:</i> E35 <i>Session Chair:</i> Tuong Thuy Vu, University of Nottingham, Malaysia campus, Malaysia <i>Session Chair:</i> Stefania Amici, Istituto Nazionale di Geofisica e Vulcanologia, Italy</p>
<p>Dot Cloud, a Geospatial collaborative platform for Kalideos and the Recovery Observatory Arnaud Sellé, Jérôme Gaspéri, Alain Giros, Richard Moreno CNES, France;</p>
<p>Contribution of satellite data to the development of a downstream emergency response service for flood and related risks in Romania Gheorghe Stancalie, Vasile Craciunescu, Anisora Irimescu National Meteorological Administration, Romania;</p>
<p>Application of Thermal Remote Sensing to the Indonesian Lusi Eruption Stefania Amici¹, David Pieri², Adriano Mazzini³, Alwi Husein⁴, Giovanni Romeo¹ ¹Istituto Nazionale di Geofisica e Vulcanologia, Italy; ²Jet Propulsion Laboratory, United States; ³CEED, University of Oslo, Norway; ⁴Badan Penanggulangan Lumpur Sidoarjo, Indonesia;</p>
<p>Anomalous Land Surface Temperature detected from time-series satellite data as precursor of strong earthquake MARIA ZORAN, ROXANA SAVASTRU, DAN SAVASTRU</p>

National Institute of R&D for Optoelectronics, Romania;

MONITORING FLOODING DAMAGES CAUSED BY MINING ACTIVITIES

Virginia E. Garcia Millan, Kian Pakzad
EFTAS, Germany;

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