

**Tuesday, 6 December 2011**

**19:00 Icebreaker at ESA/ESRIN**

**Wednesday, 7 December 2011**

<b>08:50</b>	<b>Welcome</b>	<b>Chair: Richard Eyers (GRSG/Spatial Energy)</b>
08:50	Richard Eyers (GRSG)	Opening Comments & Introduction to the GRSG
09:05	Mark Doherty (ESA)	Welcome & Keynote
<b>09:20</b>	<b>A Pan-European Approach to Geological Remote Sensing</b>	<b>Chair: Stuart Marsh (BGS)</b>
09:20	Stuart Marsh (BGS)	Geological Remote Sensing: Past, Present and Future
09:40	Stephane Cheval (BGRM)	Monitoring the Environmental and Societal Impacts of Mining – the EO-MINERS project -
10:00	Marc Goossens (Geosense)	Monitoring Mining-related Environmental Impact (IMPACTMIN); Examples from Russia, Bosnia&Herzegovina, Roumania and Sweden
10:20	Ren Capes (Fugro NPA)	PanGeo - Enabling Access to Geological Information in Support of GMES
10:40	Stephan Gruijters (TNO)	SubCoast: Using earth observation for Floods?

**11:00 Coffee Break 1**

<b>11:40</b>	<b>InSAR Applications for Ground Deformation</b>	<b>Chair: Fabrizio Novali (TRE)</b>
11:40	Luke Bateson (BGS)	InSAR ground motions in the Northumberland region of the UK
12:00	Fabrizio Novali (TRE)	Application of satellite InSAR data for landslide risk evaluation and hydrocarbon reservoir monitoring.
12:20	Mario Costantini (e-GEOS)	High Resolution Ground Deformations Monitoring by Cosmo-Skymed PSP SAR Interferometry
12:40	Paolo Mazzanti (NHAZCA s.r.l.)	Displacement monitoring by Terrestrial SAR Interferometry: real cases and data dissemination

<b>13:00</b>	<b>Advances in Hyperspectral Remote Sensing</b>	<b>Chair: Andreas Mueller (DLR)</b>
13:00	Cornelia Glaeser (Uni Halle)	The White Reference Tour –Concept and Results
13:20	Arnon Karnieli	Examination of spaceborne imaging spectroscopy data utility for stratigraphic and lithologic mapping

**13:40 Lunch**

<b>13:40</b>	<b>Marc Goossens</b>	<b>UAV Demonstration</b>
15:10	Tony Roache (CSIRO)	Microscopic remote sensing as a scale-integrated tool in mineral exploration
15:30	Phil Harris (GSI Consult)	Exploring the Geological Value of LWIR Drillcore Imaging
15:50	Alex Fortescue (South Map Comp)	Hyperspectral Applications in South Africa
16:10	Andy Garrett (Intergraph/ERDAS)	Using high resolution terrain information from stereo imagery for monitoring and surface analysis

**16:30 Coffee Break 2**

<b>17:00</b>	<b>Poster RapidFire Presentations</b>	<b>Chair: Gareth Crisford (Excelis)</b>
17:20		
17:40		
18:00		

<b>18:20</b>	<b>GRSG AGM</b>	<b>The Geological Remote Sensing Group Annual General Meeting</b>
19:10	Buses to reception	

**19:30 Reception at Villa Grazioli**

**Thursday, 8 December 2011**

<b>08:30</b>	<b>OGEO: Introduction</b>	<b>Chair: Peter Hausknecht (Woodside)</b>
08:30	Coulson, Hausknecht & Eyers	Open, OGEO status and achievements
08:50	Geoff Sawyer (EARSC) & Colin Grant (BP)	EARSC & OGP
09:10	Colin Grant (BP)	Overview & JIP
09:40	OGEO Team	Introduction to the OGEO Portal
10:10	OGEO Team	Q&A Discussion
<b>10:40</b>	<b>Coffee Break 1</b>	
<b>11:10</b>	<b>OGEO: Data</b>	
11:10	Harald Rothfuss (EUMETSAT)	Access to EUMETSAT Data
11:25	Stefanie Holzwarth (DLR)	Quality, Standards and Protocols – Working towards certified services based on Earth observation and remote sensing

<b>11:40</b>	<b>OGEO: Leveraging EO for oil spill detection, monitoring &amp; mitigation</b>	<b>Chair: Thomas Heege (EOMap)</b>
11:40	Martin Insley (Tullow Oil)	Satellite Monitoring of Drilling Operations Offshore French Guiana
11:55	Wilson Oliveira (Petrobras)	Understanding the phenomenology of liquid and gaseous hydrocarbon detections and its environmental impacts using ProspectIR and SEBASS imagery
12:10	Sigmund Delhi (KSAT)	Maritime surveillance – related to oil rig operations
12:25	Han Wensink (BMT Argoss)	Satellite data and the Oil Spill Information System (OSIS) to serve the O&G industry
12:40	Luck Heathcote (Oil Spill Intl.)	Remote Sensing as a tool in Emergency Preparedness & Response
12:55	Richard Eyers (GRSG)	Panel Discussion - Oil Spill Monitoring Needs and Requirements
<b>13:40</b>	<b>Lunch</b>	
<b>15:10</b>	<b>OGEO: EO Applications for the Oil &amp; Gas Industry I</b>	<b>Chair: Charlotte Bishop (GRSG/FNPA)</b>
15:10	Stephan Bruschi (DLR)	Remote Sensing Products for environmental assessment at offshore platforms and pipelines
15:25	Jason Manning (Arup)	Application of Remote Sensing Technologies for Engineering for Onshore Pipelines in Active Dune Fields
15:40	Thomas Heege (EOMap)	Satellite based impact monitoring in coastal and offshore applications: Advantage and examples of harmonized and automated monitoring approaches
15:55	Denis Nazarenko (LookNorth)	Fostering Increased Adoption of Remote Sensing Technology for Sustainable Oil and Gas and Mining Activities in Northern Environments
16:10	Luciôla Alves Magalhães (UNICAMP)	Spectral Responses of Eucalyptus Trees Submitted to Natural Hydrocarbon Seepages: An Integrated Approach from Leaf- to Canopy- Scales
<b>16:25</b>	<b>Coffee Break 2</b>	
<b>17:05</b>	<b>OGEO: EO Applications for the Oil &amp; Gas Industry II</b>	<b>Chair: Jerry Helfand (Exxon Mobil)</b>
17:05	Lutz Petrat (Astrium)	TerraSAR-X - A Spaceborne Toolbox for Oil-/Gas Exploration and Monitoring
17:20	Serge Rizanoff (VisioTerra)	20 years of petroleum routes
17:35	Johanna Granda (Altamira)	Operational applications for the Oil and Gas industry measuring ground motion with radar satellites (InSAR)
17:50	Valentin Mikhailov (Russian Ac. Of Sci.)	Joint analysis of PSInSAR and repeated leveling data for monitoring ground motions in the Romashkino oil exploration area (Russia)
18:05	Kim Partington (Polar Imaging)	EarthImages: a new satellite image planning and access service tailored for the oil and gas sector (moved)
18:20	Des Power (C-Core)	Standards and Guidelines for the use of Satellite based ice information in the Oil and Gas Sector
18:35	Buses to Cheese & Wine	
<b>19:00</b>	<b>Cheese &amp; Wine Tasting</b>	
<b>Friday, 9 December 2011</b>		
<b>08:30</b>	<b>Geology &amp; Mineralogy</b>	<b>Chair: Eric Peters (GRSG/FNPA)</b>
08:30	Charlie Kaufmann (GFZ)	The Potential of Hyperspectral Techniques for Geological Mapping and Mineral exploration
09:00	Christian Vargas (RS-GEOIMAGE)	Discrimination and Mapping Types of Alunita Using ASTER Sensor: Experiences in the Peruvian Andes
09:20	Conrad Wright (SpecTIR)	Hyperspectral mapping for the Mexican Geological Survey using ProspectIR
09:40	Shuhab Khan (Uni. of Houston)	Integrated Remote Sensing, Geochemical and Isotopic Studies for Understanding Hydrocarbon- Induced Rock Alterations
10:00	Mahdieh Hosseini (Uni. of Shiraz)	Lithological Mapping of the Sarduyeh Area, SE Iranian Copper Belt, Using Thermal Bands of the Aster
10:20	Veronika Kopackova (Czech Geol. Survey)	Structural approach combining ALOS PALSAR linear feature extraction with field structural and geophysical investigations
<b>10:40</b>	<b>Coffee Break 1</b>	
<b>11:20</b>	<b>Advances in New Technology for the EO Industry</b>	<b>Chair: Nick Kellerman (GRSG)</b>
11:20	Paolo Pasquali (Sarmap)	Quantitative comparison of methods and sensors for monitoring land subsidence phenomena based on satellite SAR interferometric stacking
11:40	Alessandro Piscini (INGV)	Retrieval of volcanic ash particle size, mass, optical depth and mass of sulfur dioxide from multispectral data using neural networks
12:00	Gerry Mitchell (Photosat)	High resolution stereo satellite mapping is replacing GPS and conventional surveying on resource development projects in the developing world
12:20	Hannu Holma (SPECIM)	Airborne Hyperspectral LWIR Imager - AisaOWL
12:40	Marc Goosens (Geosense)	Airborne Remote Sensing with Microlight and UAV: Towards greater flexibility and lower cost

13:00	Michele Manunta (REA-CNR)	Exploitation of 20-years SAR data for long-term deformation phenomena analysis: the SBAS-DInSAR approach
13:20	Discussion	
13:40	<b>Lunch</b>	
<b>14:40</b>	<b>Remote Sensing of Geohazards</b>	<b>Chair: Colm Jordan (BGS)</b>
14:40	Stefania Amici (INGV)	Using ASTER, EO1-Hyperion, and ENVISAT data for rapid assessment of the Tohoku–Oki 2011 earthquake and tsunami effects
14:55	Antonios Mouratidis (ESA)	Flood studies in Greece using Earth Observation data and Geographical Information Systems
15:10	Mathias Leidig (Portsmouth Uni.)	Assessing low-cost geo-informatics for disaster risk applications with focus on coastal regions
15:25	Colm Jordan (BGS)	Integrated remote sensing and fieldwork in the aftermath of the Japan Tohoku Tsunami
15:40	Martin Weinelt (Leibniz Institute of Marine Sciences )	Mud Volcanoes in the South Caspian Basin: Activity Inferred From ENVISAT ASAR Images
15:55	Richard Teeuw (Portsmouth Uni.)	Assessing tsunamigenic landslide hazard on a tropical volcanic island
16:10	<b>Conference Close</b>	