

→ INTERNATIONAL FORUM ON SATELLITE EARTH OBSERVATION FOR GEO-HAZARD RISK MANAGEMENT

Ice Breaker and Registration - SUNDAY 20 MAY (6:00-8:00 PM)

Start	End
8:00 AM	8:40 AM
8:40 AM	8:50 AM
8:50 AM	9:00 AM
9:00 AM	9:20 AM
9:20 AM	9:40 AM
9:40 AM	10:00 AM
10:00 AM	10:20 AM
10:20 AM	10:40 AM
10:40 AM	11:00 AM
11:00 AM	11:20 AM
11:20 AM	11:40 AM
11:40 AM	12:00 PM
12:00 PM	12:40 PM
12:40 PM	1:40 PM

Morning of Day 1 - MONDAY 21 May
Registration
<p>Welcome Address <i>Prof. K. Tsinganos, National Observatory of Athens (NOA)</i></p>
<p>Setting the scene <i>M. Doherty, European Space Agency (ESA)</i></p>
<p>Keynote <i>J. Achache, Group on Earth Observations (GEO)</i></p>
<p>Keynote <i>V. Bratina, DG Research</i></p>
<p>VOLCANOES: Theme introduction <i>F. Ferrucci, Institut de Physique du Globe de Paris (IPGP) & F. Prata, Norwegian Institute for Air Research (NILU)</i></p>
<p>Discovering & monitoring volcanoes with SAR: 20 years on <i>G. Puglisi, Istituto Nazionale di Geofisica e Vulcanologia (INGV) Catania</i></p>
Coffee Break
<p>Interferometric analysis of ground deformation at Santorini volcano <i>I. Parcharidis, Harokopio University of Athens (HUA)</i></p>
<p>Systematic constraints on volcanic sources worldwide <i>F. Ferrucci, Institut de Physique du Globe de Paris (IPGP) & S. Loughlin, British Geological Survey (BGS)</i></p>
<p>Spaceborne constraints on the East Africa Rift unrest <i>J. Biggs, University of Bristol</i></p>
<p>Atmospheric monitoring of volcanic ashes <i>F. Prata, Norwegian Institute for Air Research (NILU)</i></p>
<p>Way forward on Satellite EO / discussion of community paper</p>
On-site Lunch

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Start	End
1:40 PM	2:00 PM
2:00 PM	2:20 PM
2:20 PM	2:40 PM
2:40 PM	3:00 PM
3:00 PM	3:20 PM
3:20 PM	3:40 PM
3:40 PM	4:00 PM
4:00 PM	4:20 PM
4:20 PM	4:40 PM
4:40 PM	5:00 PM
5:00 PM	5:40 PM
5:40 PM	6:20 PM
6:20 PM	

Afternoon of Day 1 - MONDAY 21 May
<p>GEO Geohazard Community of Practice <i>H.P. Plag, University of Nevada, Reno</i></p>
<p>The Geohazard Supersites initiative <i>S. Stramondo, Istituto Nazionale di Geofisica e Vulcanologia (INGV)</i></p>
<p>Emergency-response for geohazards: the contribution of the International Charter Space & Major Disasters <i>Ph. Bally, European Space Agency (ESA)</i></p>
<p>LANDSLIDES: Theme introduction <i>F. Guzzetti, Consiglio Nazionale delle Ricerche (CNR) & S. Moretti, Università degli Studi di Firenze (UNIFI)</i></p>
<p>Landslide mapping and monitoring using Persistent Scatterer Interferometry <i>S. Moretti, Università degli Studi di Firenze (UNIFI)</i></p>
<p>Coffee Break</p>
<p>Semi-automatic mapping of event landslides <i>A. Mondini, Consiglio Nazionale delle Ricerche (CNR IRPI)</i></p>
<p>User perspective from the Italian Civil Protection <i>P. Putrino, Dipartimento della Protezione Civile (DPC)</i></p>
<p>Satellite interferometry applied to landslides <i>J. Wasowski, Consiglio Nazionale delle Ricerche (CNR)</i></p>
<p>InSAR monitoring of landslides in Canada <i>V. Singhroy, Canada Centre for Remote Sensing (CCRS)</i></p>
<p>Way forward on Satellite EO / discussion of community paper</p>
<p>Introduction to Poster Session (Flash presentations) <i>M. Foumelis, European Space Agency (ESA)</i></p>
<p>Welcome Cocktail</p>

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10:20 AM	10:40 AM
10:40 AM	11:20 AM
11:20 AM	11:40 AM
11:40 AM	12:00 PM
12:00 PM	12:20 PM
12:20 PM	12:40 PM
12:40 PM	1:40 PM

Morning of Day 2 - TUESDAY 22 May
Registration
<p>Industrial Services – Future Vision <i>S. Coulson & H. Laur, European Space Agency (ESA)</i></p>
<p>Presentations by EO missions owners/operators: ERS, ENVISAT, Sentinel-1, TerraSAR-X, COSMO-SkyMed, Pléiades, SPOT, DMC, Radarsat</p> <p>Presentations by service providers - Round table with EO sector</p>
Coffee Break
<p>Wrap up / round table with EO sector</p>
<p>COASTAL LOWLAND & FLOOD DEFENCE: Theme introduction <i>S. Gruijters, Geological Survey of the Netherlands (TNO) & K. van Ruiten, Deltares</i></p>
<p>PSI in flood defence: monitoring of levees and subsidence of floodplains in the Netherlands <i>S. Gruijters, Geological Survey of the Netherlands (TNO)</i></p>
<p>Subsidence in coastal lowlands: user requirements, <i>K. van Ruiten, Deltares</i></p>
<p>Surface deformation of the whole Netherlands with PSI analysis <i>R. Hanssen, Delft University of Technology (TU DELFT)</i></p>
On-site Lunch

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4:00 PM	4:20 PM
4:20 PM	4:40 PM
4:40 PM	5:00 PM
5:00 PM	5:20 PM
5:20 PM	5:40 PM
5:40 PM	6:00 PM
6:00 PM	6:40 PM
8:00 PM	

Afternoon of Day 2 - TUESDAY 22 May
Analysis of land subsidence in the agglomerations of Jakarta, Ho Chi Minh City, Yogyakarta & Guyana A. Arnaud, ALTAMIRA INFORMATION
Way forward on Satellite EO / discussion of community paper
SEISMIC HAZARD: Theme introduction T. Wright, University of Leeds & S. Stramondo, Istituto Nazionale di Geofisica e Vulcanologia (INGV)
Interferometric mapping of tectonic strain T. Wright, University of Leeds
Coffee Break
Complex ruptures of large earthquakes imaged by combined SAR and seismic analysis E. Fielding, Jet Propulsion Laboratory (NASA JPL)
Seismic hazard related deformation monitoring in China Z. Shen, Peking University & J. Sun, Institute of Geology, China Earthquake Administration (IGCEA)
Tectonic applications in Japan M. Tsuji, Japan Aerospace Exploration Agency (JAXA)
User perspective from Greek national observatories A. Ganas, National Observatory of Athens (NOA)
Tectonic control on volcanism revealed by SAR F. Amelung, University of Miami
Ground deformation in Cephalonia E. Lagios, National & Kapodistrian University of Athens (NKUA)
Lessons learnt from InSAR-based investigations of earthquakes over the past 10 years B. Parsons, University of Oxford
Way forward on Satellite EO / discussion of community paper
UNHOSTED DINNER

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10:20 AM	10:40 AM
10:40 AM	11:00 AM
11:00 AM	11:40 AM
11:40 AM	12:00 PM
12:00 PM	12:10 PM

Morning of Day 3 - WEDNESDAY 23 May
Registration
The wide area processing using PSI N. Adam , German Aerospace Center (DLR)
HYDROGEOLOGY & GENERIC SUBSIDENCE: Theme introduction S. Marsh , British Geological Survey (BGS) & K. Zimmermann , DMT GmbH
Perspective from a user organisation in the USA G. Bawden , U.S. Geological Survey (USGS)
Standardizing geohazard information from EO R. Capes , Fugro NPA
Urban subsidence damage assessment based on PSI radar interferometry G. Herrera , Instituto Geológico y Minero de España (IGME)
Coffee Break
Abandoned mining related ground motion - a case study of PSI applied to the Northumberland region of the UK L. Bateson , British Geological Survey (BGS)
Analysis of ground movements in areas of active and abandoned mines in the Upper Silesia Coal Basin using interferometry M. Graniczny , Polish Geological Institute (PGI)
Way forward on Satellite EO / discussion of community paper
Conclusion of the International Forum J. Achache , Group on Earth Observations (GEO), S. Coulson & Ph. Bally , European Space Agency (ESA) S. Marsh , British Geological Survey (BGS)
Closing Address M. Doherty , European Space Agency (ESA)
End of the International Forum

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Dates and venue:

The forum opening is on Monday 21 May at 8:40am and the event runs until Wednesday 23 May at 12:00am. The agenda has been designed to allow participants to depart on 23 May. As an indication most flights to major cities of Europe are scheduled between 2pm and 6pm. On-site registration will begin during the Ice Breaker event on Sunday, May 20th from 6pm to 8pm. Registration will also be open from 8am to 9am every morning of the forum.

For details concerning the venue & getting there: www.int-EO-Geo-Hazard-Forum-ESA.org.

Contact point: ESA Conference Bureau, Carmen Comparetto, Conference Officer
Tel: +39 06 94 180 912, Fax: +39 06 94 180 902, e-mail: esa.conference.bureau@esa.int

Central Coordinating Committee (CCC):

Philippe Bally	(ESA)
Chris Browitt	(EFG)
Geraint Cooksley	(Altamira Information)
Evangelos Lagios	(NKUA)

Science Program Committee (SPC):

Stuart Marsh	(BGS)
Gerald Bawden	(USGS)
Francesco Gaetani	(GEO Secretariat)
Chris Bremmer, SubCoast	(TNO)
Chris Browitt	(EFG)
Massimo Cocco, EPOS	(EPOS)
Fabrizio Ferrucci, EVOSS	(IPGP)
Athanassios Ganas	(NOA)
Fausto Guzzetti, DORIS	(CNR)
Steven Hosford	(CNES)
Henri Laur	(ESA)
Sandro Moretti	(UNIFI)
Issaak Parcharidis	(HUA)
Gunter Schreier	(DLR)
Salvatore Stramondo	(INGV)