

GEO EUROPEAN PROJECTS' WORKSHOP
Consiglio Nazionale delle Ricerche
(National Research Council of Italy), ROME 7 & 8 May 2012
Agenda

08:00 - 09:00 Registration

9.00 - 10.00 Opening session and introductory statements

Chair - Nicola Pirrone, CNR, IT

Welcome remarks by

- CNR President, Luigi Nicolais
- ISPRA President, Bernardo De Bernardinis
- Italian GEO Principal, Ezio Bussoletti
- European Commission, Manuela Soares

10.00 - 11.00 The GEO Work Plan 2012-2015 - Chair Gilles Ollier, EC

Implementing the GEO 2012-2015 Work Plan

Alexia Massacand, GEO Secretariat

Potential contribution of Earth Observation in support to the implementation of ENV European policies' Josiane Masson, EC

Infrastructure

- **The brokering approach to facilitate the GEOSS infrastructure implementation** Massimo Craglia, Joint Research Centre, EC
- **GMES Data Policy** Torsten Riedlinger, EC

Oceans and Society: Blue planet

Christoph Waldman, University of Bremen/Marum, DE

11.00 - 11.30: Coffee break and posters

11.30-13.00 Splinter Session on the above topics with individual presentations and discussions.

Splinter session "Infrastructure" Chair: Max Craglia (JRC) Rapporteur: Luigi Fusco (ESA)

Talks:

- *Lessons from the 2nd GEO Evaluation on Architecture and Data Management, (P. Mazzeti, CNR, IT)*
- *"GEOWOW: Towards an Evolved GEOSS Common Infrastructure" (Joost Van Bemmelen, ESA)*
- *EUROGEOSS (Stefano Nativi, CNR, IT)*
- *GeoViQua. Trustworthy Earth observation data (Joan Maso, CREAM, ES)*
- *Report from the Kick-off meeting of AIP-5 (Athina Trakas, Open Geospatial Consortium, DE)*
- *"Tools, technologies and lessons learnt EC FP7 projects deploying GEOSS infrastructure" (Mike Grant, Plymouth Marine Laboratory, UK)*

Splinter session "Oceans and Society" Chair: Christoph Waldman (U. Bremen/Marum, DE) Rapporteur: Steve Groom (Plymouth Marine Laboratory)

Talks:

- *THOR - "Thermohaline overturning at risk?" Laurent Mortier (UPMC / ENSTA, FR)*
- *EMSO European Multidisciplinary Seafloor Observatory (Paolo Favali, INGV, IT)*
- *EAMNet- Europe-Africa Marine EO Network (Steve Groom, Plymouth Marine Laboratory, UK)*
- *"MyOcean" - an EU contribution to GEOSS (Jun She, Danish Meteorological Institute, DK)*
- *'OPEC' Operational Ecology: Ecosystem forecast products to enhance marine GMES applications (Jun She, Danish Meteorological Institute, DK)*
- *GROOM : Towards a European Glider Infrastructure for the benefit of marine research and operational oceanography. Laurent Mortier (UPMC / ENSTA, FR)*

Splinter Session on other GEO-related projects

Chair: Raffaele De Amicis, Foundation Graphitech, Trento. Rapporteur: Tim Jacobs(VITO)

Talks:

- *ENERGEO : Martijn Schaap (TNO, NL)*

- *ENDORSE: Energy DOWNstrREAM Services - Providing energy components for GMES (Marion Schroedter-Homscheidt, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), DE)*

- *i- Scope (geographical information and smart cities) (Raffaele Di Amicis, Foundation Graphitech, IT)*

- *Agriculture and forestry in Africa (Tim Jacobs, VITO, BE)*

- *Capacity building - Gap Analysis of Earth observation capacity in the Balkans (Petros Patias, Aristotle University of Thessaloniki, GR)*

- *GMES In-situ coordination (Mette Müller, EEA)*

- *GEO infrastructure and capacities in Central Asian Countries (Rukiye Ozcivelek, UZAY Tubitak, TR)*

- *'GEO outreach to the wider Balkan region'. (Vesna Crnojevic-Bengin, University of Novi Sad, RS)*

- *GNSS for Global Environmental Earth Observation and GEOSS (Cristina Martin-Puig, Space Engineering - Starlab Consulting Division, ES)*

13.00 - 14.30 Lunch and posters

14.30 - 15.30 Keynote addresses Chair: Maria Dalla Costa, ISPRA, IT

- **Health** - Nicola Pirrone, CNR, IT

- **Global Land Cover** - Alan Belward, JRC

- **Disasters** (two talks)
 - Luca ROSSI, Italian Civil Protection Department, IT
 - John Ludden, British Geological Survey, UK

15.30-16.00 Coffee break and posters

16.00 - 17.30 Splinter sessions with individual presentations and discussions

- **Health (including Impact Assessment of Human Activities) -**
Chair: Nicola Pirrone, CNR. Rapporteur: Kym Watson Fraunhofer IOSB, DE

Talks:

- Earth Observation and Environmental modelling for the mitigation of Health risks: Overview of the EO2HEAVEN contribution to GEOSS and the health thread in AIP-5 (*José Lorenzo Atos, ES*)

- *Impact assessment of human activities, the EO-MINERS showcase : EO contribution in monitoring environmental and societal impact of mining activities (Stephane Chevrel, BRGM REM, FR)*

- *Impact assessment of human activities, the ImpactMin showcase : EO contribution in monitoring environmental and societal impact of mining activities (Peter Gyuris, Geonardo, Hu)*

- **Global Land Cover -** *Alan Belward, Joint Research Centre, EC, Rapporteur: Giacomo de'Liguori Carino, EEA*

Talks:

- Resolving uncertainty in global land cover (*Steffen Fritz, IIASA, AT*)

- '*GEOLAND 2*' (*Alan Belward, JRC, EC*)

- **Disasters** *Chair: John Ludden, British Geological Survey, Rapporteur: Luca Demicheli (EuroGeoSurveys)*

Talks:

- *Disasters: Supersites initiatives as a candidate test site where to effectively integrate in-situ and satellite Earth observations. (Massimo Cocco, INGV, EPOS Coordinator)*

- *A GMES Service of GEOHAZARDS (Ren Capes, Fugro NPA Ltd, UK)*

- *Building Appropriate Institutions to Support the Use of Earth Observations for Human Security'. (Agnieszka Lukaszczyk, Secure World Foundation, BE)*

- *Mapping seismic damage with Very High Resolution COSMO/SkyMed data: an all-Italian contribution to geohazard components of GEO DI-01 (Fabio Dell'Acqua, University of Pavia / EUCENTRE, IT)*

- *Early Warning System for Reduction of Marine Storm Impacts (Paolo Ciavola, University of Ferrara, IT)*
 - *Mitigating the effects of future volcanic eruptions in Iceland (Freysteinn Sigmundsson, Institute of Earth Sciences, University of Iceland, IS)*
 - *"NOVAC - a global network for volcano gas monitoring" (Bo Galle, Chalmers University, SE)*
 - *VADASE - A new approach to real-time estimate coseismic displacements for near-field tsunami forecasting (Matteo Crespi, Area di Geodesia e Geomatica - DICEA - Università di Roma "La Sapienza", IT)*
- BRISEIDE: Towards a time driven Pan-European geographical coverage.
 Subtitle: BRISEIDE project progress towards achieving its objectives and reaching its impact. *(Raffaele De Amicis, Foundation Graphitech, Trento, IT)*

DAY TWO

09.00 Keynote addresses Chair: Douglas Cripe, GEO Secretariat

- **Water** Michael Nyenhuis, University of Bonn
- **Biodiversity & ecosystems** (two talks)
 - Piero Genovesi ISPRA, Italian National Institute for Environmental Protection and Research
 - Terry Callaghan Royal Swedish Academy of Sciences, University of Sheffield
- **Weather, Climate & Global Forest Observation**
 - Riccardo Valentini, University of Tuscia and CMCC - Euro-Mediterranean Center for Climate Change "Carbon, forest and climate change"

10.00-11.00 coffee break and posters

11.00 - 12.30 Splinter sessions with individual presentations and discussions

- **Water** *Chair: Joost Van Bemmelen, ESA Rapporteur: Roberto Cossu (ESA)*

Talks:

- *ChloroGIN-Lakes end-to-end demonstrator (Steve Groom, Plymouth Marine Laboratory, UK)*
- *GLOWASIS - A GMES Global Water Scarcity Information Service (Rogier Westerhoff, Deltares, NL)*
- *CEOP-AEGIS (Massimo Menenti, Technical University of Delft, NL)*

- **Biodiversity & Ecosystems** *Chair: Lorenzo Ciccarese (ISPRA, IT) Rapporteur: Terry Callaghan Royal Swedish Academy of Sciences, University of Sheffield UK/SE*

Talks:

- *e-SOTER - Regional pilot platform as EU contribution to a Global Soil Observing System. (Hannes Reuter, ISRIC)*
- *The outcome of EBONE (Rob Jongman, Wageningen UR, NL)*
- *Scope for Biodiversity and Ecosystem forecasts by integrating Citizen Science (Robert Kenward, Anatrack Ltd, U.K. and Giacomo de'Liguori Carino, EEA)*
- *"BIO_SOS project: habitat mapping from VHR Earth Observation data."(Palma Blonda, CNR, ISSIA, IT)*
- *EU BON: Building the European Biodiversity Observation Network - as a component for GEO BON (Christoph L. Häuser, Museum für Naturkunde - Leibniz Institute for Research on Evolution and Biodiversity, Berlin)*
- *MEDINA: indicators and tools for ongoing monitoring and assessment of marine ecosystems in North Africa. (Roberto Pastres, University of Venice, IT)*
- *Monitoring Biodiversity in MS.MONINA. (Markus Eisl, eoVision GmbH, DE)*
- *Biodiversity Virtual e-Laboratory (BioVeL) as user of earth observation products. (Hannu Saarenmaa, Digitisation Centre of the Finnish Museum of Natural History and University of Eastern Finland, FI)*

- **Weather, Climate & Global Forest Observation** *Chair: Riccardo Valentini, University of Tuscia and CMCC - Euro-Mediterranean Center for Climate Change, IT* *Rapporteur: Maria Dalla Costa, ISPRA, IT*

Talks:

- *"Toward a coordinated global carbon observation and analysis system: The GEOCARBON project (Antonio Bombelli, CMCC - Euro-Mediterranean Center for Climate Change, IT)*
- *Water vapor estimation using different techniques for the South American region and their comparison (Gabriele Colosimo, Università di Roma "La Sapienza", IT)*
- *ECMWF's activities in atmospheric composition and climate monitoring (Manfred Kloeppel, ECMWF)*
- *'ACTRIS' An Integrated Atmospheric Observing System (Gelsomina Pappalardo, CNR-IMAA, IT)*
- *"ReCover: Forest Monitoring services in support to REDD activities" (Donata Pedrazzani, Remote Sensing Applications and Services Division, GMV, ES)*

12.30 - 14.00 Lunch and posters

14.00 - 16.00: GEO post-2015

Co Chaired by Italy and the E.C.

- Update on the preparation of GEO post-2015

Gilles Ollier, EC, Alexia Massacand, GEO Secretariat, Douglas Cripe, GEO Secretariat

- EGIDA's approach to a sustainable GEO - Stefano Nativi, CNR, IT

- **The GEONETCAB approach to Capacity Building** - Mark Noort , ITC,
Twente University, NL

16.00 Coffee break

- **Brief Reports from Splinter Sessions (Rapporteurs)**

- **Concluding Remarks by the co-chairs**