



# ***The European Earth Monitoring Programme Copernicus: its benefits for the citizens of Eastern Europe***

*Bucharest, Romania*

*Palace of the Parliament*

*21-22 May 2013*

This event is jointly organized by the Romanian Space Agency, the European Space Agency, the European Commission and Eurisy

Under the auspices of the Romanian Ministry of National Education



## ***The European Earth Monitoring Programme Copernicus: its benefits for the citizens of Eastern Europe***

In May 2012 a conference on the European Earth Monitoring Programme GMES (now named Copernicus) was organised in Bucharest, in the form of a joint event planned by ROSA, ESA, the EC and Eurisy. Its main objective was to highlight the various commercial and other opportunities Copernicus will offer, also to the new EU member states from Eastern Europe. The conference proved to be a major success, with positive echoes being clearly heard from both the public and private sector in these states.

The organizers have listened well to these comments, and they have decided to propose a follow-up conference in 2013. This year, in the period 21-22 May 2013, the conference will endeavour to attract even more public and private organizations interested in Earth observation in general and Copernicus in particular, by demonstrating the important benefits this flagship program of the European Union can bring to its citizens, through the Copernicus services. The EC's Vice-President Tajani has recently announced the change of the name of GMES to Copernicus. By choosing this name homage is paid to a great European scientist and astronomer: Nicolaus Copernicus.

Participants will learn about the current status of the programme (which is less than 12 months shy of the start of its fully operational phase), as well as about the good practices and success stories of Copernicus in Eastern Europe, making the European citizens' life better and safer. How to access Sentinel and Contributing Missions data will be another agenda item, reflecting the latest developments in that field.

Important topics, such as the state of play of the space segment including the Sentinel satellites, of the services already, or to be rendered soon, fully operational and the plans for a future governance of the programme in the period 2014-2020 are going to be addressed and discussed with the participants.

The conference is expected to appeal to users, service providers and decision makers in demonstrating what are the current and future challenges and how they can contribute to achieve the programme goals.

***The European Earth Monitoring Programme COPERNICUS:  
Its benefits for the citizens of Eastern Europe***

*Final programme  
21-22 May 2013  
Bucharest, Parliament Building*

**Day 1 Tuesday, May 21**

**09.30– 10.00 Registration and welcome coffee**

**10.00-11.00 Opening session**

Statements made by representatives of the hosting organizations as well as delegations of Eastern European states

Welcome address by

- *Romanian Parliament*
- *Ministry of National Education*
- *Romanian Space Agency*
- *European Space Agency*
- *European Commission*
- *Member States Representatives*

**11.00-11.20 Exhibition opening. Coffee Break**

**11.20-12.30 Status of Copernicus – between the 2012 ESA Ministerial Conference and the start of the Copernicus operational phase in 2014 (Chair: Marius-Ioan Piso, ROSA)**

Presentations:

- *General Overview and Status of Copernicus activities.* Astrid Christina Koch, European Commission, DG Enterprise

- *COPERNICUS Space Component*. Thomas Beer, GMES Space Office, European Space Agency

### **12.30-14.00 Lunch Break**

### **14.00-15.10 Copernicus In-Situ and Services Components – today's configuration and status (Chair: Astrid-Christina Koch, EC)**

Organizations involved in developing the Copernicus components – in-situ and services - will give presentations about the evolution of these components towards achieving the operational status

Presentations:

- *COPERNICUS In-situ Component*. Hans Dufourmont. Project Manager Copernicus Land Services, European Environment Agency
- *COPERNICUS Land Monitoring Service*. Hans Dufourmont Project Manager Copernicus Land Services, European Environment Agency
- *COPERNICUS Emergency Management Service*. Jan Kucera, European Commission, DG JRC

### **15.10 -15.30 Coffee break**

### **15.30 -17.30 How Europe gets prepared for Copernicus – projects and actions at MS level, in particular in Eastern Europe (Chair: Thomas Beer, ESA)**

Making use of resources made available by Copernicus will imply measures to be taken by member states in order to ensure the full exploitation of these resources and later on to reap in the benefits - data and services – made available throughout the Copernicus programme; member states are invited to present and discuss these measures.

Presentations:

- *COPERNICUS activities in Austria*. Thomas Geist, Austrian Research Promotion Agency
- *European Forest Downstream Services - The EUFODOS Project*. Pavel Milenov, RESAC, Bulgaria.

- *CryoLand - The GMES Service Snow and Land Ice*. Andrei Diamandi, National Meteorological Administration, Romania
- *The Big Data Challenge. Handling large volumes of Earth Observation Data*. The EOLIB Project. Mihai Datcu, German Aerospace Centre DLR
- *IncREO: A Copernicus project contributing to an increased resilience of disaster-prone sites in Eastern Europe*. Vlad Sandru Maria Ioana, Romanian Space Agency.
- *Data and Information Services for the Black Sea – ESPOSS*. Florin Serban, Advanced Studies and Research Centre.
- *Harmonized Reference Land Cover/ Land Use Database for the Bulgarian-Romanian Cross-Border Region – a first step for the European regional network for risk and territorial management*. Kristian Milenov, ASDE, Bulgaria.
- *Sustainable Irrigation water management. Romanian cases*. Cristian Moise, Romanian Space Agency.

## **20.00 Official dinner**

Club Alhambra, Muntenia Business Centre. Bus transfer at 19.30

## **Day 2 Wednesday, May 22**

### **09.30-10.30 Access to Copernicus Contributing Missions and Sentinel data – how does it work? The Copernicus Collaborative Ground Segment – its concept and potential benefits (Chair: Joseph Aschbacher, ESA)**

With the launch of the Sentinel satellites and the already existing Contributing Missions, the user community will have access to an unprecedented amount of Earth Observation data; access to data from Contributing Missions is in place since 2009; to help improving access and distribution of Sentinel data, ESA has launched the Collaborative Ground Segment concept which is also expected to significantly improve the Sentinel data exploitation at member state level; participants will be informed about the existing and future solutions for Copernicus data access

Presentations:

- *Access to COPERNICUS Contributing Missions and Sentinel Data* and
- *Sentinel Collaborative Ground Segment concept*. Pierre Potin, Sentinel-1 Mission Manager, European Space Agency

### **10.30-10.45 Coffee Break**

### **10.45– 12.30 Demand for information services in Eastern Europe: end-users' feedback (Moderator: Teodora Secara, Eurisy)**

Public administrations at all levels need geospatial information to take better-informed decisions, to evaluate public policy measures, or to comply with European and national regulations, in many sectors such as environment, energy, risk management and others.

This session will introduce such end-users' information needs in a European and national context in a round table discussion. Success stories in the use of satellite information stories will illustrate their potential to respond to end-user needs.

*Nature protection regulations and environmental information needs in Romania.*  
Horia Ion Irimia, Under Secretary of State, Vice President of the National Environmental Protection Agency, Romania

*Success story: using satellite applications for river navigation.*  
Romeo Soare, Director, Lower Danube River Administration, Romania

*Success story: using satellite information for nature management*  
Paul Hac, Mures Floodplain Natural Park Administration

*Sustainable energy and information needs at a regional level.*  
Adina Dumitru, Director, Maramures Energy Agency, Romania

*How to further facilitate the end-users' access to satellite information services.* Round table discussion with speakers and audience.

### **12.30-12.45 Closing session**

*Conference conclusions and closing remarks.* Marius-Ioan Piso, Romanian Space Agency

## Exhibitors

*Developing the cadastral support plans (1:1000 scale) required for Systematic Cadastral Registration in the urban areas of Territorial Administrative Units.* National Agency for Cadastre and Land Registration – National Centre for Geodesy, Photogrammetry and Remote Sensing

*Decision support for identifying and reducing damages produced by floods in Bacau County.* National Agency for Cadastre and Land Registration – National Centre for Geodesy, Photogrammetry and Remote Sensing

*GIS as support for management of urban areas, regional and local planning.* National Agency for Cadastre and Land Registration – National Centre for Geodesy, Photogrammetry and Remote Sensing

*A 3D Visual Data Mining Application.* M. Buican, ASRC, C. Cucu-Dumitrescu, ASRC, F. Serban, ASRC, D. Teleaga, ASRC

*Risk Assessment of Mine Tailing Ponds using Satellite Imagery.* D. Teleaga, ASRC, M. Radu, CONVERSMIN, S. Mihai, INCDMRR

*InSAR imagery pattern matching validation for landslide assessment.* Manole-Stelian Serbulea, Radu Gogu, Delia Teleaga, Daniel-Marcel Manoli, Adrian Andronic, Cosmin-Victor Rosu, Adrian Priceputu, Dragos Stefan Gaitanaru, Alexandra Anghel, Adrian Liviu Bugea, Constantin Ungureanu, Alexandru Niculescu

*ENVISION - a revolutionary web-based platform for environmental real-time monitoring.* The ENVISION Project Consortium (<http://www.envision-project.eu/about-the-project/consortium/>)

*Velo-GIS.* Daniela Cristiana DOCAN PhD, Technical University of Civil Engineering Bucharest, Faculty of Geodesy, Department of Topography and Cadaster. Alexandra DUȚU, Technical University of Civil Engineering Bucharest, Faculty of Geodesy

*GMES-COPERNICUS Information Booth.* European Space Agency

*Monitoring Snow and Land Ice Using Satellite Data in the GMES Project CryoLand.* Meteo Romania and CryoLand consortium

*Contribution of Romanian National Meteorological Administration to COPERNICUS*

*GMES-COPERNICUS Activities.* Romanian Space Agency

*EnvEurope: Environmental quality and pressures assessment across Europe: the LTER network as an integrated and shared system for ecosystem monitoring.* Mihai Adamescu, Constantin Cazacu, University of Bucharest

*New Research Directions In Risk, Spatial Modeling, Terrestrial System Dynamics At The University Of Bucharest. Case Study: Prahova Valley, Romania.* Autori Armas Iuliana (University of Bucharest), Nistoran Daniela (University of Bucharest), Necsoiu Marius (University of Bucharest and SwRI-Usa)

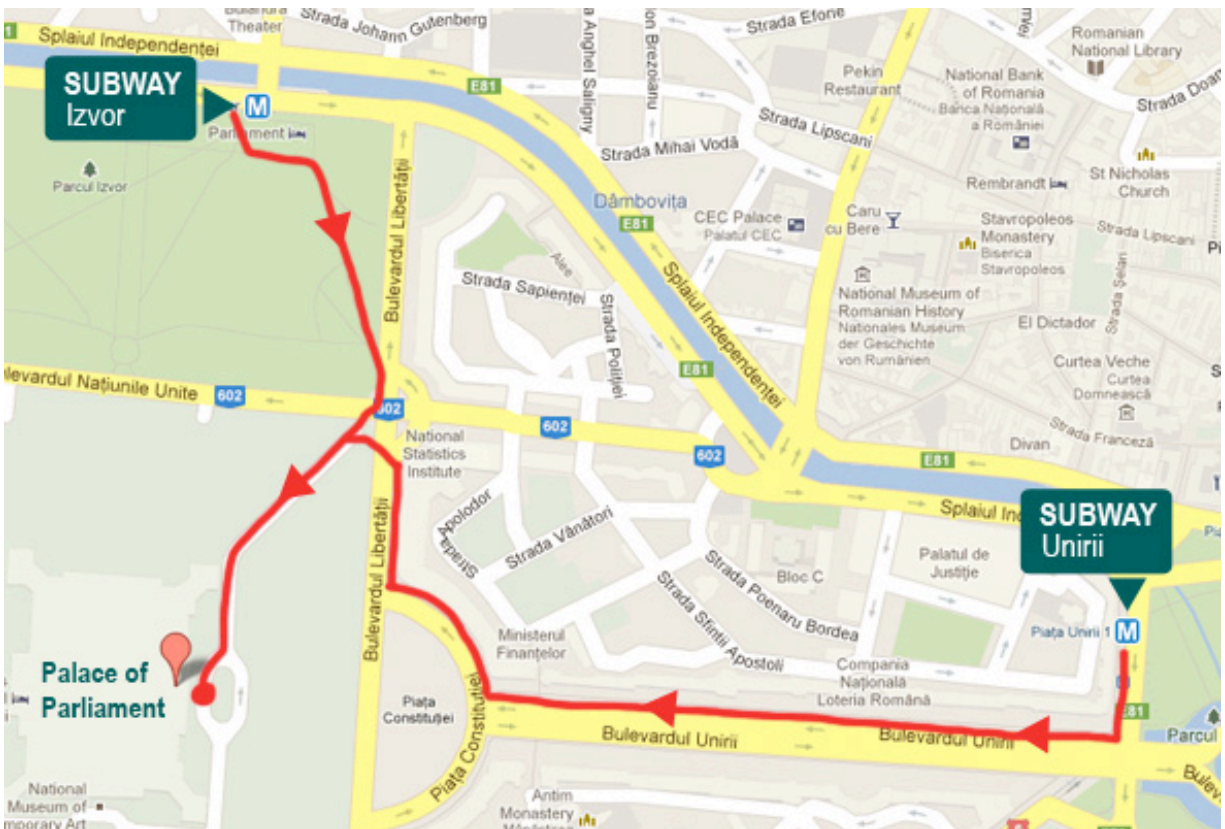
*Detecting Ground Deformation In Bucharest, Romania Using High-Resolution Multitemporal Insar And Terrasar-X Data.* Autori: Necsoiu Marius (University of Bucharest and SwRI-Usa), Armas Iuliana (University of Bucharest), Gheorghe Diana (University of Bucharest)

## Venue

The conference will take place in the Human Right Hall of the Bucharest International Conference Centre inside the Palace of the Parliament, a public edifice that, by its amazing proportions and detachment from the Romanian traditional style, has become a controversial, but imposing, symbol of an era.



The emblematic edifice of the Palace of the Parliament is placed in the heart of the historical centre of Bucharest. Covering a total area of 365,000 sq. m makes it the second largest building and the third by volume in the world, under the Administrative Buildings Section of the Guinness Book of Records (<http://www.cdep.ro/pls/cic/site.home?idl=EN>)



## ***Contact***

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