

Copernicus – big data benefitting environment and society

The 2015 edition of the Copernicus conference, dedicated to the Eastern European Copernicus users and service providers, will take place on 1-2 October 2015 in Bucharest.

With this edition we continue the series of events co-organized by the Romanian Space Agency, the European Space Agency, the European Commission and EURISY. The conference takes place under the auspices of the Romanian Ministry of Education and Scientific Research and is hosted by the Romanian Parliament, Chamber of Deputies.

Now at its fourth edition, the conference has become a reference event for the Earth Observation community in Eastern Europe and will demonstrate the excellent progress made by Copernicus towards providing reliable data benefitting environment and security.

Outstanding speakers will emphasize the significant impact of releasing an impressive amount of data and information in support of climate change resilience, humanitarian aid and implementation of major European policy for environment and security.

As in the previous editions, the 2015 conference will invite the participants to exchange views on further exploitation of the big Earth observation data resources made available by the Copernicus space and services components managed by ESA and the European Commission respectively. At the same time the conference will encourage the relevant actors in the region to initiate and develop collaborative actions, facilitating the implementation of national and European environment and civil security policy goals.

Draft Agenda

1-2 October 2015

Parliament building, Human Rights Hall

First Day: 1 October 2015

09:30–10:00 Registration

10:00-10:30 Opening session (Chair: ROSA)

Marius-Ioan Piso, President & CEO Romanian Space Agency

Valerian Vreme and Daniel Oajdea, Romanian Parliament Chamber of Deputies

Sorin Campeanu and Tudor Prisecaru, Ministry of Education and Scientific Research

Thomas Beer, European Space Agency

Hugo Zunker, European Commission

Stefaan de Mey, Eurisy

10:30-11:00 Keynote presentation

Copernicus: how big data will foster innovative ideas in the area of environment and society. Mihai Datcu, DLR

11.00 -11.30 Coffee break

11:30-12:30 Copernicus Program status (Chair: ROSA)

The current status of the space and services components of the Copernicus program will be presented, complemented by a look at the in-situ activities. The evolution from

research and scientific results to pre-operational and fully operational services, as well as current tendencies for the evolution of Copernicus will be addressed.

Speakers: [Hugo Zunker, European Commission](#), [Thomas Beer, European Space Agency](#).
[Stefan Jensen, European Environment Agency](#).

12.30 – 14.00 Lunch break

14:00-15:00 Focus on Copernicus achievements: Climate change (Chair: ESA)

The session will provide a snapshot of where we stand in the area of mitigating climate change, an important Copernicus objective. Relevant activities managed by ESA and the European Commission will be highlighted and the audience will learn about specific hardware tools developed in Romania and benefitting especially this domain.

Speakers: [Doina Nicolae, National Institute for Optoelectronics – Romania](#). [Hugo Zunker, European Commission](#). [Frank- Martin Seifert, European Space Agency](#)

15.00 -15.30 Coffee break

15.30-17:00 Regional Copernicus activities and their potential for cooperation (Chair: ROSA)

Representatives of relevant public and private organizations will brief the audience about significant results of their activities in which EO data is used to support environment and security policy actions, opening the same time ways for future cooperation.

Presentations:

EO satellite and in-situ data for nature conservation. Alexandru Badea, Romanian Space Agency.

Regional and global agriculture monitoring using Sentinel-2 data. Cosmin Cara, C-S Romania.

Integrated Information System for Danube Monitoring. Kamen Iliev. Risk Space transfer Office – Bulgarian Academy of Sciences.

An advisory platform for small-scale farmers based on Copernicus data: the APOLLO project. Dimitrios Papadakis, Evenflow, Greece

Thematic Exploitation Platforms – Marine Coastal Zones. Florin Serban, Terrasigna, Romania

Regional Cooperation Actions Towards Developing the Next Generation Observation Systems. TBC, Moldova Technical University

17:00 First day conclusions

19:00 Official dinner (Place, TBC)

Second Day: 2 October 2015

09:30-10:15 Copernicus data access (Chair: Eurisy)

This session will start with a presentation of the status of access to Sentinel data, including those of Sentinel-2A. Two Sentinels are meanwhile in orbit. Sentinel-2A was successfully launched in June 2015 and the resulting data flow is available to be tapped by all users, free of charge. The session will also highlight the latest on access to data from the Copernicus Contributing Missions and from the Copernicus Services. The complementarities of the capacities developed under the European GNSS programmes

will also be highlighted.

Speakers: [Bianca Hoersch](#), European Space Agency. [Alina Hriscu](#), European GNSS Agency

10.15 – 10.45 Coffee break

10:45-12:45 Round table: The impact of Big Data on the sustainable management of the Danube

Moderator: [Teodora Secara](#), User Programme Coordinator, Eurisy

The EU Danube Region Strategy (EUSDR) emphasizes that climate change threats are best tackled through cross-border efforts. The current wealth of available data makes the potential for cooperation better than ever before. This round table will discuss current challenges in the implementation of EU Danube Region Strategy; data sources and accessibility (Open Data, INSPIRE Directive...); existing and potential applications in the Danube region.

Panelists:

- [Roxana Bojariu](#), Coordinator of the Climate Dept., Meteo Romania, National IPCC Focal Point
- [Zoran Major](#), Technical expert on GIS, ICPDR Secretariat at the UN Office Vienna
- [Jean Dusart](#), Scientific and Technical Project Manager for the Danube Information and Service Infrastructure at the EC – JRC
- [Radu Puchiu](#), State Secretary, Romanian Prime Minister's Cabinet
- [Codrina Maria Ilie](#), Vice-President of Geo-spatial.org. Groundwater Engineering Researcher at the Technical University of Civil Engineering; technical coordinator of the GEOIDEA.RO Project, Romania
- [Iurie Maxim](#), GIS manager at TeamNet, Romania
- [Jelena Matic-Varenica](#), Head of the department of topography, and [Darko Vucetic](#), Head of the department for photogrammetry and remote sensing, Republic Geodetic Authority of Serbia

12:45 – 13:00 Closing session and adoption of Bucharest 2015 Conclusions

Venue

The conference will take place in the Human Rights Hall of the Bucharest International Conference Centre inside the Parliament building,



The Palace of the Parliament is placed in the heart of the historical Centre of Bucharest.

For ways to reach the conference venue, please check the maps bellow.



Contact

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Website

For updated information about the conference, please access: <http://events.rosa-rc.ro/>