



COSMOS2020 NEWSLETTER #1

06 February 2015



COSMOS 2020 Kick-off Infoday on 20 February 2015 in Bratislava, Slovakia

An international info day on Horizon 2020 Space will be held in Bratislava. The event is organised by COSMOS, the network of National Contact Points for Space.

The objectives of the info day are to promote the space research topics of Horizon 2020 and foster cooperation between Slovak and other European key players.

Agenda

Welcome

Ján Turňa, MD, Centrum vedecko-technických informácií SR

COSMOS 2020: The NCP Network and its services (incl. short introductory round from the NCPs)
Adrian Klein, German Aerospace Center (DLR)

Horizon 2020 Space work programme & criteria of a good proposal
Marc Jochemich, German Aerospace Center (DLR)

Horizon 2020 - Rules for H2020
Pierantonios Papazoglou, Research Promotion Foundation Cyprus

Satellite Communication: Key technology for space applications and its role in Horizon 2020
Sandro Scalise, SatCom Working Group of the European Technology Platform for communications networks and services - NETWORLD2020

Coffee break and networking opportunity

Overview on the Space scene in Slovakia & short presentations from actors from SK

Lunch break

Short presentations of Space Key Actors from Austria, Czech Republic, Hungary, Poland

Registration is open – register now!

[Programme & Registration](#) / www.ncp-space.net



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EU survey on Earth observation in a global context

A public consultation on possible EU actions in relation to global coordination of Earth observations via the Group on Earth Observations (GEO)

This survey builds on consultations conducted by the European Commission in 2013 and 2014 with the aim to provide the state of play regarding the implementation of the Global Earth Observation System of Systems (GEOSS) by the Group on Earth Observations (GEO) during the last ten years. Through this EU public consultation, the European Commission is actively seeking contributions by all those in Europe interested in the global context of Earth observation in order to help:

- estimate general awareness of and stance on Earth observations (EO), GEO and GEOSS;
- appreciate how to maximize EU benefits from an increased Earth observation coordination through GEO;
- collect views on a set of possible actions at EU level in the field of global Earth observation and GEO.

The consultation is now open and closes on 20 April 2015.

[Further Information](#)



1st PERASPERA Workshop: Plan the European Roadmap and its Activities for Space Exploitation of Robotics and Autonomy

The workshop takes place on 11 – 12 February 2015 in Noordwijkerhout (The Netherlands) and is organised as a consultation event on the initial version of the Space Robotics Technology roadmap.

The PERASPERA activity has been funded by the EC for developing an integrated master plan (a.k.a. roadmap) of activities and associated activity descriptions, for a Strategic Research Cluster (SRC) in Space Robotics Technology.

The workshop will allow discussions at technology and system level. Operators, component manufacturers, experts in space/ground robotics technology and satellites primes are invited to this opportunity to challenge and influence the ideas of the members of the PERASPERA Program Support Activity, and provide inputs for the European Space Robotics Technology roadmap by participating at the Panel discussions.

The participants can contribute to the workshop also by presenting a poster in a dedicated poster session. No oral presentation is foreseen from the participants.

There is no registration fee for attending the workshop.

Please consider that the workshop is limited to a maximum number of 250 participants

[Further Information & Registration](#)



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ESA News: Rosetta watches comet shed its dusty coat

ESA's Rosetta mission is providing unique insight into the life cycle of a comet's dusty surface, watching 67P/Churyumov-Gerasimenko as it sheds the dusty coat it has accumulated over the past four years.

The COmetary Secondary Ion Mass Analyser, or COSIMA, is one of Rosetta's three dust analysis experiments. It started collecting, imaging and measuring the composition of dust particles shortly after the spacecraft arrived at the comet in August 2014. Results from the first analysis of its data are reported recently in the journal Nature. The study covers August to October, when the comet moved along its orbit between about 535 million kilometres to 450 million kilometres from the Sun.

[*Further Information*](#)



UN Spider - Featured: Application of the month Digital elevation models

Digital elevation models (DEMs) are needed for mapping and modelling natural hazards and risks that are influenced by topography, for example floods and landslides.

Since water only runs downhill and the flow of water is channelled by objects that are higher than the water level, elevation information is used to model the flow of water and to determine possible inundation areas in case of floods. Elevation can be measured from space using different approaches designed for different sensors, it makes also use of space technology.

The most widely used digital elevation models derived from satellite data are the products of the Shuttle Radar Topography Mission (SRTM), which was flown aboard the space shuttle Endeavour February 11-22, 2000. They are freely available in different versions.

[*Application of the Month*](#) [*Knowledge Portal*](#)



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