



COSMOS2020 NEWSLETTER #11

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ESA issues Call for new Earth Explorer Proposals



ESA is announcing an opportunity for scientists involved in Earth observation to submit proposals for the next potential Earth Explorer satellite mission.

Traditionally, Earth Explorers use new measurement techniques to explore and understand different aspects of the Earth system. So far, eight missions have been selected. Reflecting the new Earth Observation Science Strategy for ESA, proposals for the ninth Explorer should not only demonstrate scientific excellence and innovative technology, but also address important scientific questions that have a direct bearing on societal issues humankind will face in the coming decades.

How to submit a proposal: Initially, ESA must receive a letter of intent by 1 February 2016 and then a full proposal by 24 June 2016. In addition, a workshop for proposers will be held on 8 March 2016.

[More Information](#)

Satellite 4.0: Launch of New INNOspace Masters Idea Competition



The INNOspace Masters seeks new concepts that propose creative solutions to the current issues in satellite manufacturing under the theme "Satellite 4.0". In particular, experiences that have already been gained in non-aerospace sectors in connection with Industry 4.0 can open up new perspectives in spaceflight.

The partners of INNOspace Masters – the DLR Space Administration, Airbus Defence & Space, and Germany's two ESA Business Incubation Centres in Bavaria and Darmstadt – will be awarding prizes in three categories. Interested entrepreneurs are invited to sign up for the new INNOspace Masters until 31 January 2016

[More Information and Registration](#)



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Odysseus – European Youth Space Contest



Are you interested in space exploration? Are you aged between 7 and 22? Then you are just the person to enjoy taking part in an exciting competition known as Odysseus!

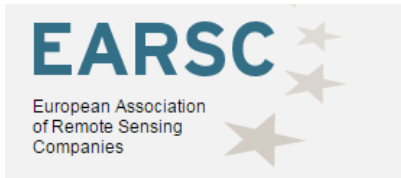
The Odysseus contest combines scientific learning with hands-on experience. Organised in multiple rounds, it targets students from around the world, irrespective of their cultural background or language. The ultimate aim of the project is to foster the development of qualified scientists, engineers and technicians in areas relevant to the priorities of EU's space policy.

The Odysseus European Youth Space Contest is divided into three age groups: Skywalkers, Pioneers, and Explorers.

To find out more about the contest rules and entry requirements, please visit the Odysseus II website.

[More Information](#)

From Satellites to Supermarkets – Economy benefits from Copernicus



The study shows that the Finnish and Swedish economies benefit from the use of satellite imagery from Copernicus. The EARSC and The Green Land investigated these cascaded effects and the benefits brought by the use of satellite imagery for each tier down to such value chain. They found clearly identifiable impacts for each tier. Between 24 Mio € and 116 Mio € of economic benefit is made each year.

A showcase: Winter Navigation in the Baltic

The case study of Winter Navigation in the Baltic has been published in October 2015. This report is the first of a series of three cases in the frame of the study "Assessing the detailed economic benefits derived from Copernicus Earth Observation (EO) data within selected value chains", undertaken by EARSC under an assignment from the European Space Agency (ESA).

[Read more](#)



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ESA Online Course on Monitoring Climate from Space



Explore our planet from space and learn how Earth observation is used to monitor climate change, with this free online course. The course has started on 30 November 2015.

As the crucial COP21 Paris Climate Summit approaches, detailed evidence about the process and impact of climate change is needed more than ever. Satellite Earth Observation technology provides a powerful and compelling insight into climate change which can help to underpin climate policy, scientific research and public engagement. But how does this technology work, and how can it achieve the essential detail and comprehensive worldwide view that we need?

The course we will look at recent and current satellite missions that are providing an archive of essential data; and find out how this data is used in local and international policy and planning.

The course consists of five themed weeks:

- *Week 1 Observing Climate Change from Space*
- *Weeks 2 & 3 Earth Observation Techniques and Technology*
- *Week 4 Earth Observation in Action*
- *Week 5 Managing Earth Observation Data*

[More Information & Registration](#)

Hungary's long-standing cooperation with ESA: building blocks for a common future



2015 is a special year: The Hungarian space community is celebrating Hungary's accession to ESA as 22nd full member state.

This video shows the history of Hungarian space activities and Hungary's long standing cooperation with ESA covering areas from Science, to Earth Observation, Human Spaceflight, Telecom and Navigation.

[Watch Video](#)



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