



## COSMOS2020 NEWSLETTER #48

04 June 2019



### *News, Stories, Events*



### **EU Space Programme towards a European approach to 'New Space'**

**An article from Elzbieta Bienkowska, Commissioner for Internal Market, Industry, Entrepreneurship and SMEs for [The European Files](#), on the challenges for the European Space Sector**

What are the investments, future and upgrades of Copernicus and Galileo?

New space initiatives: Space Situational Awareness and Governmental Satellite Communication, to serve security objectives;

Changes in space sector worldwide, and the European approach to 'New Space';

New EU Space Programme and space entrepreneurship;

Defence applications, autonomous access to space, strategic autonomy and security...

[Read more](#)



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## 2020-2022 GEO Work Programme Summary now available

**The GEO Secretariat announced to the GEO community the first version of the 2020-2022 GEO Work Programme.**

The document is the first draft of the GEO Work Programme Summary Document for the period 2020 - 2022, which will become the seventh GEO Work Programme.

The development of the Work Programme is still underway and the GEO Programme Board welcomes new comments and suggestions, as well as interest in participation.

Interested parties to contribute to a GEO Flagship, Initiative, Regional GEO or Community Activity, to participate in a GEO Foundational Task Working Group, could contact the GEO Secretariat at [secretariat@geosec.org](mailto:secretariat@geosec.org).

[Download version 1 of the Summary Document](#)

[Implementation plan info](#)



## Copernicus 'Eyes on Earth' Roadshow

**An EASME and DG GROW initiative, the Copernicus 'Eyes on Earth' Roadshow - interactive events in five different EU Member States from June 2019 to March 2020.**

The initiative will foster the development of applications with space data and other geo-information systems; develop the technical and scientific skills needed to work in the space data sector; and encourage citizens' interest in earth observation activities.

The events, which include an expo area with interactive tools, business presentations, interactive masterclasses dedicated to real business cases (e.g. how to deal with heat islands in cities), and network/matchmaking sessions, will provide a multitude of benefits to participants of all ages and all walks of life.

If you would like to attend, or actively participate in the demonstration, [read more here](#).



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## EPSC-DPS Joint Meeting 2019

**European Planetary Science Congress 2019 will be held in Centre International de Conférences de Genève (CICG) on 15–20 September 2019.**

The intention of the EPSC-DPS Joint Meeting 2019 is to cover a broad area of science topics related to planetary science and planetary missions. The programme of the congress will contain oral and poster sessions, and it will emphasize workshops and panel discussions in order to have a strong interaction between the participants.

The Scientific Organizing Committee of the EPSC-DPS2019 invites all planetary scientists to participate in the congress, submit contributions to the topical sessions and share their research with colleagues and friends.

[Read more](#)

## EUROGEOSS WORKSHOP 2019

## EuroGEOSS Workshop 2019

**The EuroGEOSS Workshop will take place from 3 to 5 July 2019 at the Pavilhão do Conhecimento in Lisbon (Portugal). The event is co-organised by the Portuguese Foundation for Science and Technology (FCT) and the European Commission.**

The workshop brings together European players interested in and actively contributing to the Global Earth Observations System of Systems (GEOSS).

The aim is to look for synergies across projects, initiatives, to offer networking opportunities to the participants and to discuss how Europe can contribute to the international effort.

This year's event is dedicated to information with particular emphasis on Ocean observations and focus on user requirements for EuroGEOSS.

[Read more](#)



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## Nordic Remote Sensing Conference - NoRSC'19

**NoRSC'19 will be organised in Aarhus Institute of Advanced Studies (AIAS), Aarhus University, Denmark from 17th to 19th of September 2019.**

The Nordic Remote Sensing Conference 2019 (NoRSC'19) will provide a transdisciplinary platform for researchers in both academia and industry, involved in the acquisition, analysis and applications of remotely sensed data to share their knowledge for the advancement of the field.

NoRSC'19 will bring together researchers in the broad field of Remote Sensing in, but not restricted to, the Nordic and Arctic countries. Topics include the acquisition of data from satellite, airborne, terrestrial or underwater platforms, development of algorithms for data processing and analysis, and the use of derived metrics in applications across disciplines.

[Read more](#)



## Workshop on Horizon Europe EGNSS Downstream R&D

**The European GNSS Agency (GSA) is hosting a workshop at its Prague headquarters on 4 June 2019 to consult with industry and academia on Horizon Europe EGNSS Downstream R&D.**

The main topic of the workshop is discussions on priorities for EGNSS downstream applications, receivers, and market uptake in Horizon Europe – the European Commission's ambitious €100 billion research and innovation programme that will succeed Horizon 2020.

In June 2018 the European Commission has published its proposal for Horizon Europe, an ambitious €100 billion research and innovation programme that will succeed Horizon 2020. Currently the [Horizon Europe \(Framework Programme for Research and Innovation\) – Proposal for a Regulation and Annexes COM\(2018\) 435](#) and the [Horizon Europe \(Framework Programme for Research and Innovation\) – Proposal for a Decision and Annexes COM\(2018\) 436](#) are under negotiations.

The scope of the workshop is to consult the industry and academia on their high level EGNSS downstream R&D priorities.

Source: [GSA](#)

[Read more](#)



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## Young Professionals in Space (YPinSpace) conference

The [Mohammed Bin Rashid Space Centre \(MBRSC\)](#) is organising the Young Professionals in Space (YPinSpace) conference from the 4th to 6th of November, 2019 at Dubai World Trade Centre, United Arab Emirates.

Young Professionals in Space (YPS) is an initiative to bring scientists, practitioners, engineers and leaders of space industry and agencies together in a single platform to discuss recent research breakthroughs, technical advances, existing opportunities and emerging space technologies. Such platform will provide the young generation with a holistic view of the science, engineering and space technology fields and provide access to professionals and experts from around the world.

The YPinSpace will be sponsoring travel tickets to enable students, young professionals, and distinguished speakers, especially from developing countries, to participate in the YPinSpace event and in seminars and workshops promoting international cooperation, advancements and benefits of the photogrammetry, remote sensing, and spatial information (P&RS&SI) sciences and Space Exploration.

[Read more](#)



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## Tenders, Calls, Competitions



### **ESA call in "Novel research co-sponsorship ideas" Channel**

**European Space Agency announced the launch of the "Novel research co-sponsorship ideas" Channel on the [ESA Open Space Innovation Platform \(OSIP\)](#).**

The Channel has been opened and ideas will continuously be collected and evaluated on a regular basis.

The objectives of the "Novel research co-sponsorship ideas" Channel is to identify innovative research projects for co-funding on new approaches to space activities, new concepts, new technological applications and new space systems. Selected research project would be implemented within the Discovery Element of ESA's [Basic Activities](#).

The Channel is complementing the research done by [ESA's Advanced Concepts Team](#).

The Channel is open for submissions for participants registered in one of ESA Member States, Associate Member States or Cooperating States.

[Read more](#)



### **Tender: H2020: EGNOS and Galileo as a U-space Service**

The project aims at accelerating the use of EGNOS and Galileo, the European GNSS (EGNSS) components, in the UAS market putting in place the necessary means at service provision level for facilitating the operational use of EGNSS by operators and their approval by the aviation authorities.

The procurement documents are available for unrestricted and full direct access, free of charge [here](#).

Reference number: 746/PP/GRO/RCH/19/113057

Time limit for receipt of tenders: 05/07/2019



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In cooperation with the GSA (the European GNSS Agency) the [Council of European Geodetic Surveyors](#) is organising the eight edition of the CLGE European Students' Contest for the current academic year 2018 - 2019.

This year, students can submit papers in five categories:

- Geodesy, Topography
- Galileo, EGNOS, Copernicus (or a combination of two or the three subjects)
- GIS, Mapping
- Cadastre and Property Surveying
- Students and youngsters engagement

For a valid participation papers have to be sent in English till 29th July 2019.

[Read more](#)

[Access the application documents](#)



### Tender: H2020: EGNOS and Galileo as a U-space Service

**The Copernicus Emergency Management Service (CEMS) is one of the six core services offered by Copernicus. It is intended as an operational service provided to the users active in the field of disaster management in the EU Member States, the European Civil Protection Mechanism, the Commission's Directorates-General (DGs), the participating Executive Agencies, and international actors in humanitarian aid.**

The risk and recovery mapping of the CEMS will be covered by framework contracts and will consist of:

Lot 1: non-standardized RRM products (RRM — FLEX) — multiple framework contract with reopening of competition;

Lot 2: standardized RRM products (RRM — STD) — single framework contract.

[Access tender documents](#)



## *Trainings, Webinars, Resources*



### **How standards support space applications for Europe Workshop**

**CENELEC is organising one day workshop on Monday 24th June in Brussels - From space to earth & back: how standards support space applications for Europe**

The envisaged European Space Programme will boost EU space leadership beyond 2020. This one-day interactive workshop will pinpoint how standardization can support the European space industry and reinforce Europe's autonomous access to space. Space technology, data and services have become indispensable in the daily lives of Europeans and play an essential role in preserving many strategic interests.

Representatives from space industry, policy makers, technology providers will discuss the following topics:

- The Space Strategy for Europe
- Applications from the global navigation satellite system - Galileo and EGNOS for road, rail, air and maritime transport
- Socio-economic benefits from Earth observation, its application for safety and security of society and its meteorological purpose
- Space surveillance and tracking

[Read more](#)

[Workshop programme](#)



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## ESA Advanced Training Course on Land Remote Sensing

**The European Space Agency (ESA) is organising an Advanced Training Course on Land Remote Sensing with the focus on Agriculture.**

The course is dedicated to training the next generation of Earth Observation (EO) scientists and experts from agriculture and food security related agencies to exploit data from EO missions (e.g. the Copernicus Sentinels) for science and applications development in the domain of agriculture.

The 5-day course Advanced Training Course on Land Remote Sensing: Agriculture will be held at the Université catholique de Louvain (Louvain-la-Neuve) in Belgium from 16 to 20 September 2019.

Post graduate, PhD students, post-doctoral research scientists and professionals from European countries and Canada or from Sen2-Agri user community interested in land remote sensing and its agricultural applications are welcome to apply to the course. Research scientists, students and EO professionals from all other countries are also welcome to apply, subject to availability of spaces.

[Read more](#)



## Summer School Climate Change: ice and snow data collection, analysis and processing

**Politecnico di Torino and Fondazione Montagna Sicura - Montagne Sûre, are organising the Summer School "Climate Change: ice and snow data collection, analysis and processing" that will take place on 18-27 September 2019 and will be hosted by Fondazione Montagna Sicura – Montagne Sûre at the Villa Cameron – Courmayeur, Italy.**

The main goal of the summer school is to introduce the "learning by doing" approach:

- learn to detect, process, analyze and integrate data coming from different input platforms (satellite, UAV, in situ surveys, etc.) in order to assess the effects of climate change on glaciers and snow cover;
- analyze structural/non-structural measures in order to mitigate the avalanche risk;
- suggest working group in order to ensure the skills integration in the processing of the data collected.

The Summer School will explore the potential of freely available satellite data and derived information products focusing on ICE and SNOW.

[Read more and register](#)



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