



## COSMOS2020 NEWSLETTER #45

14 March 2019



### *News, Stories, Events*



Cyprus  
Remote Sensing  
Society

### **7th International Conference on Remote Sensing and Geoinformation of Environment - RSCy2019**

**The Seventh International Conference on Remote Sensing and Geoinformation of Environment - RSCy2019 will take place in Paphos, Cyprus from 18th to 21st of March 2019.**

The conference is organised by the Cyprus Remote Sensing Society in cooperation with ESA, Copernicus EU, GEO, DLR, NASA and other space and geospatial related national and international organisations.

The conference topics will cover remote sensing and geo-information applications for oil and gas, marine and coastal zone management, Blue Economy and Blue Growth, environment monitoring and protection, land cover and land use, agriculture and forestry, natural and man-made disasters, hydrology and many others

More information and important dates on the [Event website](#)



### **Copernicus meets Galileo - Earth observation - Navigation - GeoIT**

**The conference will to broaden the scope of the 2018 conference on "Earth Observation & Copernicus Technologies and Solutions for User Applications" to include the technology fields of "Navigation" und "Geoinformation Technology".**

The conference is being jointly organised by TH Georg Agricola University of Applied Sciences and "CopServ International", a ZIM Cooperation Network managed by ZENIT on 8 - 9 May 2019 in Bochum, Germany

[More info](#)



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## **DLR/ESA user consultation for infrastructures planning and monitoring conference**

**The European Space Agency (ESA) hosted a joint DLR/ESA user consultation for infrastructures planning and monitoring conference, involving representatives from the academic, institutional and private sector on 26 and 27 Feb 2019 at ESA-ESRIN, Frascati, Italy.**

The consultation aims to define a roadmap for research and application projects utilizing space-based EO data for monitoring infrastructures (roads, bridges, railways, harbours, airports, power and industrial plants, pipelines, electricity networks, governmental buildings, hospitals, etc...) within ESA's [EO Science for Society Programme Element](#).

[More info](#)



## **The EU Research and Innovation Funding Landscape 2021-2027**

**Hands-on introduction to the EU funding opportunities in the area of research and innovation 2021-2027**

The paper of the Europa Media will provide you with concise information in case you would like to understand better the EU funding system, and which programmes provide funding opportunities in the area of research and innovation.

You will get insights for the Multiannual Financial Framework and how the EU budget is distributed for research and innovation targets.

The document describes the different budget lines for research and innovation and gives the numbers and provide some details on the individual programmes.

You could access the document from the [Europa Media website](#).



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### List of major satellite launches for 2019 – paper in Geospatial World

In 2019 a large number of satellites and spacecraft will be lifted and sent into orbit, and this will enhance our understanding of space and other phenomena on earth that impact us, including climate change, natural disasters, and agricultural patterns and foster an enabling mechanism for new disruptions.

The paper of [Geospatial World](#) provides concise information on when and which satellites will be launched each month of 2019.

[Read more](#)



## Sentinel-2 Validation Team (S2VT) meeting

**This Sentinel-2 Validation Team (S2VT) meeting is the third edition of a meeting series, initiated in 2016.**

The meeting aims to provide a forum for interaction among different researchers from both industrial and academic laboratories and institutions in order to foster the development of efficient and effective Calibration and Validation methods.

The objective of the S2VT meeting is to collect independent validation evidence and experimental data to support the Copernicus Sentinel-2 mission. The recommendations will be used to contribute to the quality assessment of the mission core products while exploiting Copernicus Sentinel-2 data and to give support to the Cal/Val activities.

The S2VT is organized under auspices of the ESA, CNES, and ENSEEIHT.

Access presentation and documents from the meeting [here](#)



## Earth Observation $\Phi$ -week event focusing on EO Open Science and FutureEO

**The European Space Agency (ESA) is organising a  $\Phi$ -week event focusing on EO Open Science and FutureEO - to review the latest developments in Open Science trends.**

Come and hear about the latest trends in EO! The  $\Phi$ -week will include a variety of events (e.g. inspiring talks, workshops, roundtables, startup pitch, hackathons) to connect multi-disciplinary communities - from EO researchers, data scientists, non-space corporates, tech leaders, entrepreneurs, up to startup and innovators - to (i) explore together how EO Open Science and innovation can benefit from the latest digital technologies and (ii) help shape FutureEO missions and services.

The abstract should be submitted before 10th of April 2019.

[Read more](#)



## ESA-ESRIN Workshop POLinSAR 2019 presentations are already available

**The 9th International Workshop on Science and Applications of SAR Polarimetry and Polarimetric Interferometry - POLinSAR 2019 was held in ESA-ESRIN in Frascati, Italy from 28th January to 1st February 2019.**

The objectives of the workshop were:

- Provide a forum for scientific exchange
- Present the latest exploitation results from full-pol airborne and spaceborne systems and assess the state-of-the-art
- Review retrieved bio-geophysical parameters and their accuracy
- Make recommendations for algorithm development and new products
- Support the preparation for ESA and Third Parties full-pol missions exploitation (BIOMASS, NOVASAR-S, RCM, SAOCOM, TerraSAR-L etc.)
- Present innovative polarimetric applications and ideas for future polarimetric mission concepts
- Report on the status of POLinSAR 2017 recommendations
- 

The presentations from the workshop are already available. [Read more here](#)

The workshop was preceded by the 5th Advanced Course on Radar Polarimetry dedicated to training the next generation of Earth Observation (EO) scientists to exploit dual and fully polarimetric data for science and applications development.

[Read more here](#) and access the training materials [from here](#)





## Two articles on filling the gap between space/geospatial sector and other disciplines

**EO4GEO** and **EARSC** published two interesting articles in [medium](#) and [Eomag!](#) on the link between space sector with education and training.

EO4GEO is an [Erasmus+ Sector Skills Alliance](#) project - An innovative strategy for skills development and capacity building in the EO/GI field. In its recent blog, EO4GEO published an article [Filling the gap between space/geospatial sector and other disciplines](#). The article is a nice illustration of how the space sector can be linked with education and training. The EO4GEO project has a close collaboration with [CopHub.AC](#).

Additionally, to bridge the gap between academia and European EO industry, the article [Knowledge and innovation hub for the Copernicus Academy](#) has been published in [Eomag!](#)



## Copernicus Market Report: which are the programme's growing and enduring benefits

**The new Copernicus Market Report prepared for the European Commission by PwC France as part of the study "Update of the Copernicus Market Report" is ready.**

The second edition of the Copernicus Market Report details how Copernicus free and open data and information is used to tackle more and more societal, environmental and economic challenges – ranging from floods and wildfires to insect infestation and forest regrowth. The report was commissioned by the European Commission and is an update to the previous Market Report from 2016. It contains numerous new analyses, comparisons and deep dives into new benefit areas. The report provides an exhaustive account of the growth in the usage of Copernicus data and information, its increasing benefits and analyses the trends that will shape the future of the EU's Earth Observation programme.

Read the highlights of the Report in the article of Copernicus [here](#).

[Read the full report](#)





# Tenders, Calls, Competitions



European  
Global Navigation  
Satellite Systems  
Agency

## **Webinar: MyGalileoApp Challenge**

**Second MyGalileoApp webinar, on Mar 05, 2019!**

Design, develop, test and commercially launch a mobile application able to provide a position and/or time fix by using Galileo-enabled smartphone. Hurry up, bring your team together, register your #UseGalileo app idea and get a chance to compete for a 100,000 EUR prize!

The webinar provide you with everything there is to know about the competition, how to apply and submit a winning concept!

More on [MyGalileoApp Challenge](#), access the [webinar recordings](#)



UNITED NATIONS  
Office for Outer Space Affairs

## **UN/UNOOSA Space for Youth Competition**

**DO YOU HAVE AN IDEA ON HOW TO USE SPACE TO ACHIEVE THE SUSTAINABLE DEVELOPMENT GOALS? PARTICIPATE TO THE SPACE FOR YOUTH COMPETITION AND SHARE YOUR VISION!**

This is your chance to have your voice heard at the international space community level at large and to show how the next generation of students and young professionals can contribute to the achievement of the Sustainable Development Goals through space applications.

- This competition is open to all students and young professionals from any Member States of the United Nations.
- All participants shall be aged between 18 to 35 inclusive (up to the day of your 36th birthday) as of 1 February 2018.
- The competition is open to individuals - team submissions are not allowed.
- The competition is open till 22 March 2019.

The competition is organised from the [United Nations Office for Outer Space Affairs \(UNOOSA\)](#) to support the first priority of the '[Youth 2030](#)' UN strategy, namely "Engagement, Participation and Advocacy to Amplify youth voices for the promotion of a peaceful, just and sustainable world", together with the [Space Generation Advisory Council \(SGAC\)](#). More info for the [competition](#)



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## **Copernicus Masters 2019 - two weeks to start**

**Copernicus Masters 2019 opens for submissions on 1st of April. The challenges are already available.**

The Copernicus Masters is an international competition that awards prizes to innovative solutions, developments and ideas for business and society based on Earth observation data. Big data produced by Earth observation holds huge potential for the creation of innovative products and services. A wide variety of industries and areas of public interest stand to profit from the advances of the Copernicus programme.

More for the [Copernicus Masters](#)

AZO launched the Copernicus Masters in 2011 on behalf of the European Space Agency (ESA) and with strong support of world-class partners as part of their mission to foster the User Uptake of Copernicus services.

Which are the Copernicus Masters 2019 [Challenges](#)

On 8th of April, AZO is organising a webinar on participating rules in the Copernicus Masters 2019, including an overview of the competition and the challenges, how to register on the database, and how to complete your submission.

[Register for the webinar](#)



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## Trainings, Webinars, Resources



European  
IP Helpdesk

### **European IPR Helpdesk Webinar: Consortium Agreements**

**This webinar aims at providing: A general overview of the way in which the drafting and negotiation of consortium agreements should be addressed in H2020, with a focus on IP provisions.**

After the training, participants should be able to answer the following main questions:

- What is a consortium agreement?
- When should the consortium agreement be signed, and by whom?
- What model consortium agreements are available, and for what types of projects?
- What issues should a consortium agreement deal with?
- Regarding IP: which GA rules should not be contradicted by the CA?
- Regarding IP: what are the areas in which GA rules leave flexibility for the CA?
- Regarding IP: how to use the CA as a tool: examples of clauses to add to your draft

Date: 10.04.2019, [more information read here](#)



European  
IP Helpdesk

### **European IPR Helpdesk Webinar: IP Management in H2020 - with a special focus on MSCA**

**The webinar will provide an overview of key aspects in the field of intellectual property management in Marie Skłodowska-Curie Actions.**

After the training, participants should be able to answer the following main questions:

- Relevant IP issues for MSCA proposals
- Particularities of MSCA grant agreements
- Particularities of MSCA grant agreements
- Ownership of background and results
- Questions from MSCA participants received at the EIPRHD
- MSCA success stories

Date: 24.04.2019, [more information read here](#)



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## **Training: Horizon 2020 Financial Rules and Reporting**

**This compact, yet complete, training course focuses on financial rules, management, reporting and EU monitoring of Horizon 2020 projects.**

Do H2020 financial reporting and EC audits scare you?

Are you often unsure whether you are doing the right thing in the most efficient way?

Do you need some concrete recommendations on what to do in case of specific situations (personnel cost calculation, budget reallocation, equipment costs) in your project?

Horizon 2020 finances can be confusing; there is a lot of information and sometimes these can even be contradictory. The course will give you examples and share own experience and real stories from Europa Media 15 running projects!

Europa Media and its sister company Geonardo have been active in EU funded research and innovation projects since 1999, having coordinated and implemented over 60 projects to date.

More info for the course on [Europa Media website](#)



## **New H2020 open-trainings for 2019!**

**European Fund Management Consulting – EFMC announced the upcoming H2020 Trainings Calendar.**

[EFMC](#) announced new locations for H2020 training courses in “Financial Management”, “Proposal Writing” and the Funding & Tenders Portal “SEDIA” (the new name of Participant Portal). Financial Management courses are available in English, French, Italian and Spanish.

The courses could be attended for free via Erasmus+? Contact the organisers for this option.

[More info](#)



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## Geospatial and Remote Sensing Summer Schools 2019

**International Summer Schools on Big Data from Space, Remote Sensing, Geospatial technologies will be held in 2019 for students, postgraduates, young professionals.**

Here you may find information for some of them:

17 March - September 2019: [ESA Summer of Code in Space \(SOCIS\)](#)

3 - 7 June 2019: [International Summer School "Geo-computation using free and open source software" – Matera 2019](#)

16 - 22 June 2019: [Innsbruck Summer School of Alpine Research 2019 Close Range Sensing Techniques in Alpine Terrain](#)

23 June - 4 July: [Copernicus for Digital Earth Summer School](#)

24 - 26 June: [EUROSDR Short Course in Photogrammetry](#)

24 - 28 June: [International Summer School 2019 | Protecting the Forest Resource: Risk assessment and Management using Innovative Tools](#)

1 - 5 July: [1st IEEE GRSS Instrumentation and Future Technologies Remote Sensing Summer School](#)

1 - 5 July: [orss2019 : "Ocean Remote Sensing Synergy" summer school](#)

5 - 12 July: 11th [International Summer School on Radar/SAR](#)

6 - 11 July: [3th Algerian Geoscience and Remote Sensing Summer School – AGR3S 2019](#)

22 - 26 July: [Geospatial Technologies and Remote Sensing for Monitoring Sustainable Development Goals Summer School](#)

25 August - 1 September: [International Summer School on Geospatial Data Science with R](#)

1 - 7 September: [Summer School on spatial and spatiotemporal computing: processing large-scale Earth observation data](#)

2 - 6 September: [Ground-based Active and Passive Microwave Remote Sensing of the Atmosphere Summer School](#)

2 - 10 October: [Convective and Volcanic Clouds \(CVC\) detecting, monitoring and modeling Training School](#)

