



Webinar

A new Common Agricultural Policy (CAP) based on Copernicus programme and EO4GEO tools

April 28th, 2021 10:00 am

Online event, Time duration: 1 h 30'

[EO4GEO](#) in cooperation with [e-GEOS SpA](#), the [Italian Association of Remote Sensing \(AIT\)](#), the [Institute for Electromagnetic Sensing of the Environment \(CNR-IREA\)](#), [EIT-Climate KIC](#), [Epsilon Italia \(EPSIT\)](#), [Istituto Superiore per la Protezione e la Ricerca Ambientale \(ISPRA\)](#) and under the auspicious of the [Copernicus Programme](#) organizes a webinar focused on 'COPERNICUS for the CAP'.

Target group

The webinar is addressed to farmers, farmers' organizations, and citizens interested in the development of possible future workforce in this sector and in general in Earth Observation/Geospatial applications (EO*GI).

Context

European agriculture is facing a number of challenges such as increasing urbanization, loss of historical rural and agricultural landscapes, vulnerability by climate change effects, new competition by imported goods etc. These challenges lead to lower incomes and loss of sector attractiveness, especially for younger generations.

The *Common Agricultural Policy (CAP)* and the forthcoming new legislation is aimed at the agro-environmental sustainability. The objectives of the CAP are to ensure a stable and affordable food supply promoting the local and EU own food production, reducing the import of primary goods, enable farmers to obtain a stable living, promote sustainable use of resources, maintain rural landscapes and the agro-environment safeguard of the countryside, supporting the rural economy.

The CAP started at the end of 1970 for the European organization of the agro-market, but since 1992 became geographical-based through the support of satellite data.

It currently consists of around 40 Billion euros of annual subsidies distributed to 8 million of European farmers and has been promoting the Remote Sensing Agricultural sector in Europe.

The in-act modernization of the CAP is successfully including the opportunities offered by the Copernicus programme, such as EO*GI solutions and each EU farmer (also through farmer associations, agencies, etc) is stimulated to improve his/her "e-governance". After specific analyses/controls at national and regional level, nowadays well supported by the *Copernicus Programme*, EU officers authorize the final funds transferring to each EU Member States and then to each single beneficiary.

In the context of a modernizing CAP where member states are encouraged to use Earth Observation and Geographic Information data in their agricultural sector, there is a need for upskilling and reskilling the current workforce to grasp the opportunities that Copernicus data offer for the sector. This need is addressed for example by the Blueprint project EO4GEO.

Objectives

The webinar has the overall objective to promote the new opportunities offered by the Copernicus Programme in dealing with the Common Agricultural Policy. The EU Commission has indeed encouraged Member States for the use of Earth Observation (EO) technologies, especially for monitoring in a continuous way the correct payment of all declared areas for aid. This initiative arises in the context of the EO4GEO project Sector Skills Alliance and its tools concerning EO*GI. Participants will be also addressed on how to use EO*GI in the agricultural domain, exploiting the opportunity to access to free training data.

Webinar learning outcomes

- Understand the importance of the CAP in Europe
- Identify which EO data/products can support the CAP and how
- Understand how to interpret and integrate EO time series useful for agriculture
- Understand how to derive agro-parcel layers by EO data, to be integrated with other relevant information
- Recognize how to re-use EO data derived information for a sustainable agriculture and climate changes limitation actions
- Become aware of the possibilities offered by the correct use of EO data through spatial and temporal resolutions.

Topics covered by the webinar

- ✓ *The Copernicus programme support for the new "Check by Monitoring" application on the EU territory*
- ✓ *Overview of the EUCAP regulations vs the technical evolution used*
- ✓ *Brief description of the EO data/products used for the PAC analysis (Sentinel, Landsat, Spot, high resolution satellite, airborne photos, Vector data, cadastre, etc. ...)*
- ✓ *The Integrated Control System at sampling level and the new Checks by Monitoring system through Copernicus data*
- ✓ *Agro-environmental elements for a sustainable agriculture and climate changes limitations*
- ✓ *The regional Rural Development measures*
- ✓ *Point of strength/weakness and perspectives of technical jobs in this sector*
- ✓ *The EO4GEO tools and the opportunity of free training resources.*

EO4GEO project

EO4GEO is an Erasmus+ Sector Skills Alliance gathering 26 partners from 13 EU countries, part of the Copernicus Academy Network. Partners (academia, public or private) are active in education and training in the field of space / geospatial analysis.

Technological progresses and globalisation offer tremendous opportunities for innovation, job creation and social growth. This requires people to acquire new skills in order to drive and support the changes.

EO4GEO aims to bridge the skills gap between the supply and demand of education and training in the space/geospatial sectors, fostering the uptake and integration of space/geospatial data and services in a broad range of application domains.

EO4GEO works in a multi and interdisciplinary way and apply innovative solutions for its education and training actions: use cases- and collaborative learning scenarios; learning-while-doing in a living lab environment; on-the-job training and co-creation of knowledge, skills and competencies.

The project started on January 1st, 2018 for 4 years, closely collaborating with DG DEFIS (Copernicus) and DG EMPLOYMENT to reach its strategic objectives.

Programme

- 1) Presentation of the webinar content (5 min)
- 2) EO4GEO in a nutshell (10 min)
- 3) Poll #1
- 4) Common Agricultural Policy (CAP) background and concepts (40 min)
 - What is the CAP and the relationship with the European farmers and citizens
 - EO data/products for CAP controls and their evolution
 - Copernicus data (Sentinel & Galileo) for the new continuous monitoring of the agro-environment
 - Strengths/weaknesses, benefits and perspectives for the next EU agro-food scenario, necessarily sustainable
- 5) Poll #2
- 6) Question and Answer (20 min)

Mario A. Gomasasca, CNR-IREA

Giacomo Martirano, EPSIT

Livio Rossi, *e-GEOS – AIT President

*e-GEOS is a leading international player in the Earth Observation and Geo-Spatial Information business with a leading position within European Copernicus Program.

Registration

Register to the event [HERE](#)

Further information:

- <http://www.eo4geo.eu/>
- [Interview with the EU Commission responsible for Copernicus skills programme](#)
- [European Court of Auditors: informative overview of the use of satellite images for the management and control of the CAP](#)

