



First Winter Camp for Training, Ideation and Entrepreneurship in Earth Observation

10-14 December 2018

Euro Space Center, Transinne, Belgium

Context

The Sentinel satellites developed by the European Space Agency and exploited in the framework of the EEU COPERNICUS Programme constitute a unique world-class armada for observing the Earth. The free-data policy opens new avenues in terms of development of new applications, services and business opportunities. In such a dynamic and rapidly-evolving context, it is of the highest importance that students, users, researchers and candidate entrepreneurs get basic training on the techniques through which the Earth Observation (EO) data can be valorized, and brainstorm on possible solutions, based on such data, to challenging user needs.

Objectives

The present Summer Camp has been organized and structured along in response to the needs expressed above. It will be coordinated by Centre Spatial de Liège (CSL) and Wallonia Space Logistics (WSL) in the framework of the EEU-financed project [FabSpace 2.0](#), and hosted by the Euro Space Center (ESC) located in Transinne (Belgium), located in a rapidly-expanding science park that also hosts ESA, Galileo, and the GALAXIA Business Innovation Centre.

Preliminary Programme

The Camp shall include introductory lectures on the FabSpace project, on the Sentinel and COPERNICUS programmes, on remote sensing principles for Earth Observation, and on Geographical Information Systems (GIS's). Then practical sessions shall be organized for familiarization with the SNAP and QGIS softwares, to be used in brainstorming and problem-solving sessions on proposed application challenges.



Monday 10 December : Introductory courses

- The FabSpace 2.0 Project (A. Biévelez, WSL)
- The Sentinel programme (ESA)
- The Copernicus programme (Hugo Zunker, EU, TBC)
- Basics of remote sensing for Earth observation remote sensing (C.Barbier, ULiège-CSL)
- So you want to be a space entrepreneur? (H. Hansen or B. Deper - TBC)

Tuesday 11 December : Initiation to SNAP

- SNAP toolbox : Presentation and Practice (ESA)

Wednesday 12 December : Initiation to GIS and QGIS

- Basics of Geographical Information System (GIS) (R. Neuville, ULiège-GEOM)
- Presentation and practice with QGIS (R. Neuville, ULiège-GEOM)

Social event at Euro Space Center

Thursday 13 December : Brainstorming, Ideation and Challenges (Part 1)

- Presentation of challenges (C. Barbier, ULiège-CSL)
- Addressing challenges (all)

Friday 14 December : Brainstorming, Ideation and Challenges (Part 2)

- Presentation of solutions (all)

Who Should Attend?

The Camp is open to students, researchers and candidate business developers interested in the application-oriented exploitation of EO data.

Language

The official language of the School shall be English.

Accommodation

The proposed formula for accommodation is to use the common bedrooms made available by ESC to its trainees. This offers substantial cost saving in terms of registration fees.



Travels

Travel arrangements will be the participant's responsibility. However, bus or car services can be arranged to and from ESC premises in Transinne (E411, exit 24).

Registration

Registrations are open on www.eurospacecenter.be/fr/holiday-camps. Attendees shall be accepted on a first-come first served basis, after reception of the registration fee. The maximum number of participants is 25.

The registration fee includes accommodation, meals and coffee breaks at the ESC.

Organizing Committee

Camp coordinator : Dr. Christian Barbier, Senior Remote Sensing Scientist, Centre Spatial de Liege

Local coordinator : Jean Marcel Thomas, Managing Director, Euro Space Centre

Contacts : fabspace@wsl.be

Latest details and Community : www.facebook.com/groups/FabSpaceLiege/

If you can't make it this time, but you are interested in the Earth Observation topic, do let us know !