

THE EU COPERNICUS SYSTEM: A NEW PARADIGM OF EARTH OBSERVATION IN EUROPE"

Copernicus is the European system for monitoring the Earth and is coordinated and managed by the European Commission. The development of the observation infrastructure is performed under the aegis of the European Space Agency for the space component and by the European Environment Agency and EU countries for the in situ component. It consists of a complex set of systems which collect data from multiple sources: earth observation satellites and in situ sensors. It provides users with reliable up-to-date information on six thematic areas: land, marine, atmosphere, climate change, emergency management, and security, supporting a wide range of applications.

In this short course, the fundamentals of Earth Observation will be first revised.

The second part will describe the Copernicus system itself.

The third part will present how to freely access these data,

And the last part will present the case of the soil moisture essential climate variable that will be provided by the SMOS Barcelona Expert Center.

Dates 8-10 July/2019

Schedule : 10:00 – 13:00h