

## **International Remote Sensing School for Hydrological Applications 2018:**

### **H SAF SOIL MOISTURE PRODUCTS APPLICATION**

**Location:** Italian Air Force National Meteorological and Climatological Service – Casa dell’Aviatore, Via dell’Università 20 Rome – Italy.

**Date:** 13-16 November 2018.

The **International Remote Sensing School for Hydrological Applications** is organized in the framework of the H SAF project by the Italian Civil Protection Department in close collaboration with the Italian Air Force National Meteorological and Climatological Service and sponsored by EUMETSAT.

**Objectives:** The key objective of this training is to instruct active and future users from Meteo-Hydrological Institutes and/or from research and operational environments in the application of the satellite-based soil moisture products generated by H SAF.

The training course will be structured in theoretical lessons on the H SAF products, exercise and discussion sessions on a proper utilization of the H SAF products in an operational environment. At the end of the course, each participant shall have access to the products and can become Beta-user of the project. The training will be held in English.

#### **Main topics:**

- H SAF products characteristics description;
- Soil moisture products applications in hydrological modelling;
- Soil moisture products applications for hydrological risk management: flood and drought

Lectures will be held by teachers from EUMETSAT, ECMWF, TU-Wien, IRPI-CNR, IMGW, CIMA and DPC.

#### **Expected learning outcomes:**

Participants will learn how to handle soil moisture H SAF products using free software and programming tools (such as QGIS, Python) and explore the opportunities to use these products in their daily work.

**Website:** The Agenda of the event is in progress and will be available soon.

For further details on registration, logistics, other information and the link to the application form will be available soon on the web site:

<http://hsaf.meteoam.it/>

### **Students qualification needed**

The course addresses experienced professionals working with remote sensing data (forecasters, hydrologists, researchers, etc.) interested to update their knowledge and skills.

Participants must have an academic degree in either Hydrology, Meteorology, Physics, Environmental Science or Environmental Engineering. Participants are expected to be familiar with the contents of remote sensing data and products. Some practical experience in the management of data script will be an advantage. Candidates will be selected on the basis of their curriculum vitae.

### **No registration fee is requested**

In order to promote the course, EUMETSAT supports a limited number of participants coming from countries non EUMETSAT member, with travel or/and accommodation upon request.

The course will be attended by 25 students.

**How to apply:** information will be available soon.

**Main contact points for the course:** [antonella.morgillo@protezionecivile.it](mailto:antonella.morgillo@protezionecivile.it)  
[hsaf.dpc@protezionecivile.it](mailto:hsaf.dpc@protezionecivile.it)