



## SECTEUR Workshop

# Food and forests at risk: how can climate services help?

Cagliari, Italy, 20 October 2016

### 2016 SISC Annual Conference session

As the world's population grows, the demand for goods and services from the agricultural and forestry sectors will increase. At the same time, these sectors are at risk of climate change. Extreme climatic events, such as droughts and heat waves, have already negatively affected agricultural productivity in Europe during the first decade of the 21st century and this is expected to further increase. Mitigation efforts to meet long-term temperature targets will not reduce these impacts in the short term. Agricultural activities in the Mediterranean basin are particularly vulnerable to climate change impacts. Climate change will also have major impacts on forest growth, health and distribution as well as on the services they provide.

To better understand and communicate climate change risks and solutions, the European Commission is setting up the Copernicus Climate Change Services (C3S). C3S will provide free climate information to help society and business sectors improve their planning and decision-making for climate adaptation and mitigation. Much information is available, but how can this data flow be managed, turned into useful information and made accessible to those who need it? For researchers, knowledge purveyors, and decision-makers?

The Service will build upon and complement capabilities existing at national level and is currently developed through a number of projects. This is done in close collaboration with the users.

This session aims to identify the climate information needs of organisations involved in agriculture and forestry sector, to ensure that the European climate services really serve the stakeholders helping them to address the climate risks.

### Who should attend?

Participants from the agriculture and forestry sectors who are using climate information or are interested in the use of climate information to support/facilitate their decisions. You should be ready to:

- Share knowledge on the climate information your organisation uses now, how it is used and why.
- In case climate information is not used yet, discuss how such information can be used.
- Discuss how climate information could be improved to better fit your organisation's needs.

### How will participants benefit from attending the workshop?

You will be given the opportunity to:

- Shape the Copernicus Climate Change Service according to your requirements.

- Network and create new contacts with other organisations within your sector.
- Learn from others how to use climate information.

After the session a summary of the main issues discussed will be circulated.

## Who is organizing the session?

This workshop session takes place as part of the SECTEUR project (Sector Engagement for the Copernicus Climate Change Service: Translating European User Requirements). SECTEUR is funded by the European Centre for Medium-Range Weather Forecasts, on behalf of Copernicus, the European Commission's Earth observation and monitoring programme. The project is led by the Institute for Environmental Analytics, University of Reading (UK). The project objective is to provide Copernicus with sectoral user requirements to ultimately tailor the climate information that Copernicus will offer.

The workshop is led by Wageningen Environmental Research (Alterra) with support from Fondazione CMCC - Centro Euro-Mediterraneo sui Cambiamenti Climatici:

- Dr. Karianne de Bruin, Wageningen Environmental Research (Alterra)
- Ir. Claire Jacobs, Wageningen Environmental Research (Alterra)
- Dr. Valentina Mereu, CMCC
- Dr. Antonio Bombelli, CMCC



Contact: [claire.jacobs@wur.nl](mailto:claire.jacobs@wur.nl)

Website: <http://climate.copernicus.eu/secteur>

## Set-up of the session

Time	Workshop session	
14:10	Keynote presentation: "How can climate services help to address risks in agriculture and forestry"	Wageningen Environmental Research (Alterra)
	Session 1: Using climate information in agriculture and forestry: managing the data flood	Interactive (Alterra facilitator)
	Session 2: Improving information and identifying gaps: enabling more effective climate risk response	Interactive (Alterra facilitator)
	Wrap up and evaluation	Wageningen Environmental Research (Alterra)
16:00	Workshop closure	