

EXPERT STATEMENT
to the
Ninth Meeting of the SBSTA Research Dialogue

10 May 2017

"Copernicus Climate Change Service - Developing drought, pest impact and phenological indicators for potential adaptation anywhere in the World "

Chairperson,

Colleagues,

Ladies and Gentlemen,

Copernicus is an operational programme of the European Union and provides a number of services which deliver geophysical data, products and information according to user needs stemming from policy users and other public and private users as well. In order to provide these services, Copernicus is operating a significant space borne observation capacity which will expand further over the coming years just like the full Copernicus programme.

This event is a research dialogue as there are many relations between the operational Copernicus programme and the research arena. These fall broadly into two categories:

1. Copernicus operational activities are built on a vast heritage of research activities in different scientific disciplines. Research activities are needed to continuously feed into our services and to keep the programme at the cutting edge of science.

2. The asset of quality controlled Copernicus data and information is made available to any type of research activities at global, regional or national level under a full, free and open data policy.

Copernicus encompasses services focussed on the earth subsystems of land, atmosphere and ocean, and in particular a Climate Change Service, which is providing climate data at global and regional (European) scale. A Sectoral Information System builds on these data providing value added products, by merging climate data with other sector specific data, to deliver on aspects such as infrastructure, population, economy.

Downstream services, outside of the programme itself, can then further enrich and downscale this information to meet even more specific and local needs.

As an example, our poster shows case studies of indicators to be applied in the adaptation planning for the sectors of forestry, olive farming and vine cultures.

Thank you very much