



Working Sessions on Copernicus Programme and Ministry of Agriculture, Food and Environment Implementation

**1-2 June 2016
ETC-UMA, University of Málaga,
Málaga – Spain**

AGENDA

Due to the awareness of both Ministry of Agriculture, Food and Environment (MAGRAMA) and MAGRAMA coordinator Copernicus Users Forum regarding to the possibilities of the Copernicus Programme into a better MAGRAMA management, ETC-UMA and MAGRAMA agree to organize this 2 days workshop, in order to develop some interesting areas for the MAGRAMA experts.

In this session will present ETC-UMA activities and Sentinel images, as well as Copernicus products into HR2020 SWOS Project and several implementations related with soil monitoring, fires and habitat restoration, crops and seasonal issues, superficial water behavior and watering consumption in different areas.

Participants:

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| 1. Luis Martín Fernández (MAGRAMA) | 7. Jaume Fons (UAB) |
| 2. Blanca Ruiz Franco (MAGRAMA) | 8. Dania Abdul Malak (UMA) |
| 3. Elisa Rivera Mendoza (MAGRAMA) | 9. Christoph Schröder (UMA) |
| 4. Rafael David Fernández (MAGRAMA) | 10. Antonio Sánchez (UMA) |
| 5. Javier Muro (Uni Bonn) | 11. Matilda Merkohasanaj (UMA) |
| 6. Alfonso Calera (UCLM) | 12. |

AGENDA

Training Sessions on the Copernicus Programme and the Ministry of Agriculture, Food and Environment

1-2 June 2016
ETC-UMA, University of Malaga,
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Day 1 (Thursday, 1st June)

10:30-13.30: Introductory remarks:

Objectives of the Meeting:

- **University of Malaga. Dania Abdul Malak, coordinator of the ETC-UMA team at the University.**
- **MAGRAMA. Elisa Rivera Mendoza. Coordinator for the Copernicus Users Forum and EEA National Focal Point.**
- **Brief introduction of the participant's role and tasks and potential use of the satellites products. Brief presentation of Copernicus Programme.**

- **Copernicus Programme**
 - *Description: products and satellites.*
 - *Potential implementation and remote sensing contributions.*

- **ETC-UMA Presentation**
 - *European Thematic Centre; Copernicus Programme contributions.*
 - *Wetlands monitoring implementation; SWOS Project: Satellite-based Wetland Observation Service.*

- **University of Bonn Presentation (Javier Muro)**
 - *Soil surface temperature: remote sensing products*

- **MAGRAMA Presentation**

- **Products and services of Copernicus for surface irrigation and water consumption in crops: management implementation and irrigation planning.**
Prof. Dr. Alfonso Calera, Instituto Desarrollo Regional - University of Castilla La Mancha

Lunch (13:30-14:30)

14:30-17:30: Practical session on water Resources.

Products and services of Copernicus for surface irrigation and water consumption in crops: management implementation and irrigation planning with SPIDERwebGIS (Practical session)

Prof. Dr. Alfonso Calera, *Instituto Desarrollo Regional – University of Castilla La Mancha*

- **Remote sensing in watering areas based on Soil surface temperature.**
Javier Muro, *University of Bonn (Bonn, Germany)*
- **Changes in superficial water behaviour (rivers, wetlands, lakes, dams...).**
Antonio Sánchez, *ETC-UMA – University of Malaga*

Day 2 (Thursday, 2 June)

10:00-14:00: Monitoring and changes about use and land cover. Practical session.

Monitoring soil uses: classification of the images and mapping, estimated accuracy and changes analysis.

Antonio Sánchez, *ETC- University of Malaga.*

Fires and habitat restoration monitoring

Antonio Sánchez, *ETC-University of Malaga.*

Crop behaviour and seasonal change monitoring based on vegetation rates

Antonio Sánchez, *ETC-University of Malaga.*

Lunch (14:00-15:00)