# GUETCROP

## CROP MONITORING AND EARLY WARNING IN NORTH-AFRICA

Guet Crop

### A multi-dashboard service for agriculture monitoring and better decision making

**GuetCrop** is a Decision Support System which provides timely early warning information on agricultural production based on Earth Observation and agro-climatic data.

### It is an open access and easy to use online platform composed of 2 main environments:
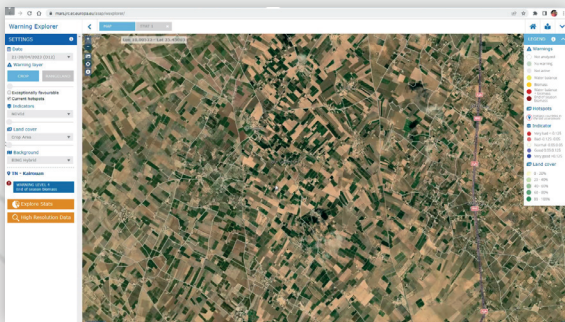


*The Warning Explorer | A web-GIS for visualizing automatic warnings, agriculture-relevant global indicators and a dashboard showing statistics aggregated at the first sub-national administrative level*
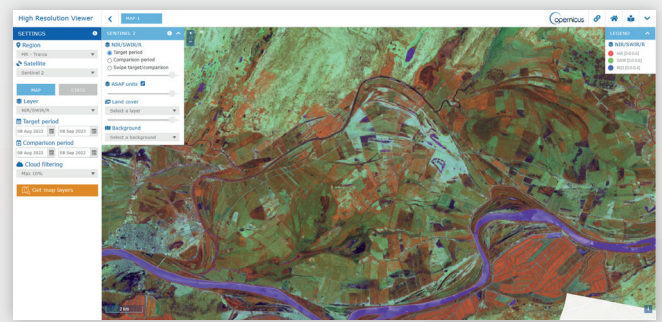


*The High-Resolution Viewer | A user-friendly interface serving high spatial resolution data (Copernicus Sentinel-1 and Sentinel-2) which can be easily visualized and processed to provide real-time information at the local level*
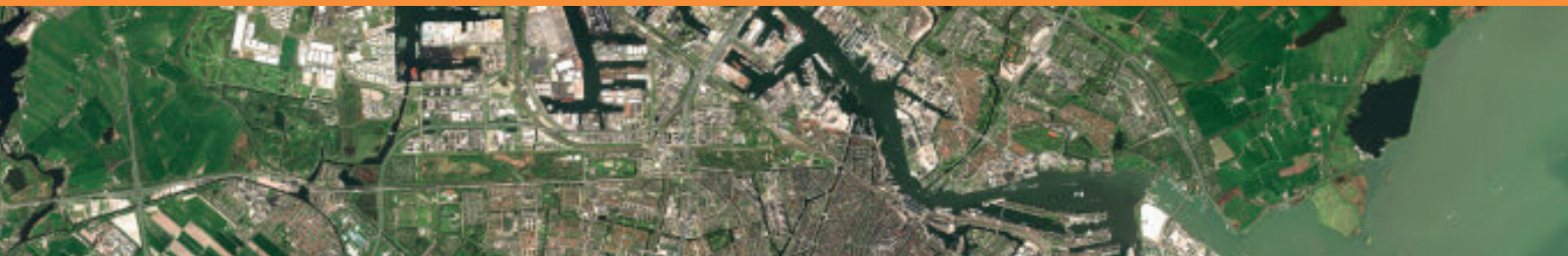
**Guetcrop** *is the fruit of close collaboration between the European Commission Joint Research Center (JRC) and the North Africa Consortium within the framework of GMES&Africa.*

*The platform is inspired from the Anomaly hotSpots of Agricultural Production (ASAP) tools.*

**Access link:**
http:/getcrop.oss-online.org

## Why GuetCrop?

GuetCrop provides EO-based maps, interactive graphs and statistics:

» To support various stakeholders in early detecting and preventing food security crises.

» To plan and undertake necessary actions to respond to these security crises.

## Who are the end users of this service?

» GuetCrop informs national services on the status and conditions of crops and rangeland in near real-time, and contributes to support crop import & agriculture/water management services in better planning their activities.

## GuetCrop is targeting audiences from 3 main groups

» North-African decision-makers

» Agriculture, Water & natural resources managers

» General & public users

## Improvement and dissemination

» A synergic approach was set up to elaborate out a scientific paper which highlights the improvements newly implemented in ASAP and GuetCrop systems to keep it synchronized with users' needs.
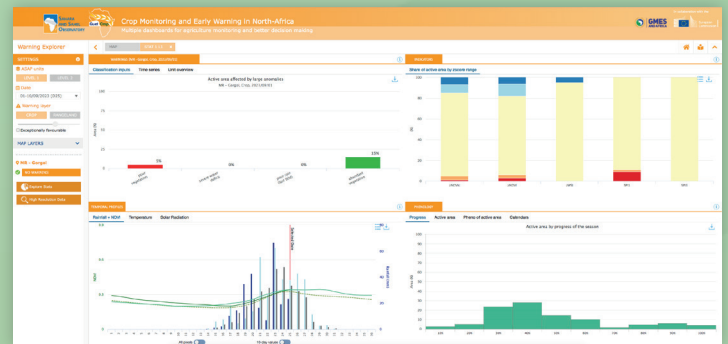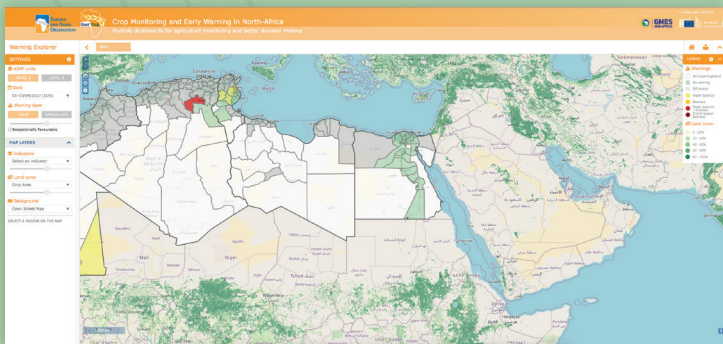


» Free online decision support system for early warning about hotspots of agricultural production anomaly

» Operational system that provides automatic 10-day warnings



» Near real-time information on crop growing conditions Multi-scale analysis