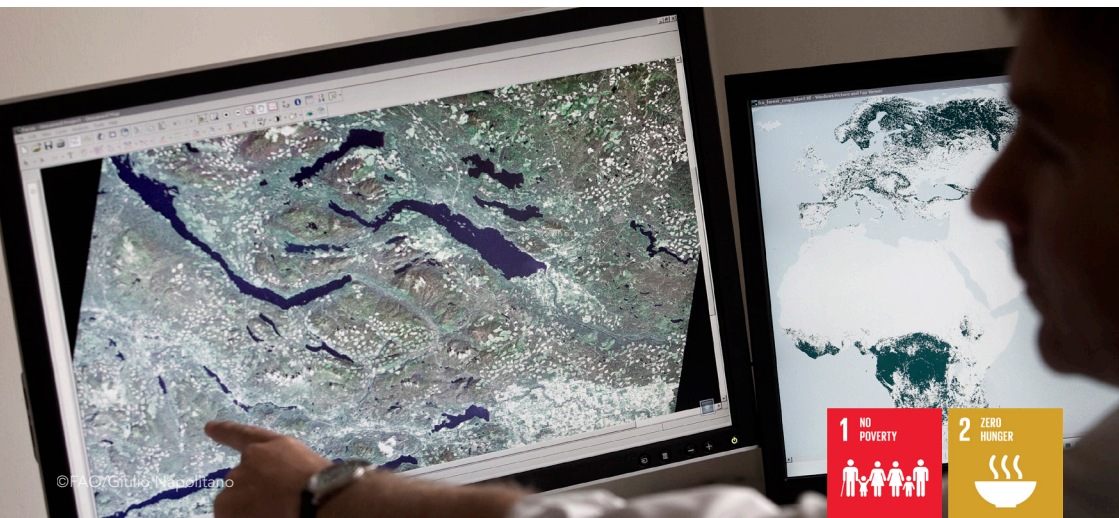


Remotely sensed information for crop monitoring and food security – Techniques and methods for arid and semi-arid areas



This course describes how the information derived from remote sensing is obtained and best used for crop monitoring in a food security context. It outlines what the exact meanings of the products are and shows how their early warning and food availability information contents can be combined efficiently with other sources (e.g. households surveys, market analyses, nutritional surveys, etc.).



Up to 11 hours of learning, depending on learning needs



Available in English and French

You will learn about

- Data sources and products used for remote sensing analysis of crop monitoring.
- Calculation and evaluation of anomalies derived from rainfall and Normalized Difference Vegetation Index (NDVI).
- Production of seasonal graphs for rainfall and NDVI.
- Phenological stages in the over-time analysis of crop conditions.
- Creating, maintaining and archiving remote sensing images.
- Most common software for processing remote sensing data.

Who is the course for?

Food security analysts with different backgrounds (economy, social sciences, nutrition, etc.), who commonly deal with spatial data - including remote sensing derived information - for instance for analysis of early warning products and crop monitoring bulletins in food insecure countries. Crop monitoring experts with notions in agronomy and some experience in spatial data analysis who want to deepen their understanding of remote sensing products in a food security context.

Key partners

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Contributing organization:

- European Union Joint Research Centre (JRC)

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