SISTEMA
ENVIRONMENTAL INFORMATION MINING

University of Ferrara

MESEO

Co-funded by the European Union

On-ground AI Training Dataset

KER 7

Prepare the data behind EO thematic processing.

Building the data foundation for EO intelligence

Curated satellite imagery datasets support the development, training and evaluation of AI models for Earth Observation applications. By preparing data for methane detection and crop classification, these resources help advance the development and assessment of specialised on-ground processing algorithms.

THE CHALLENGE

Training and evaluating EO models depends on relevant, structured and appropriately prepared satellite datasets.

OUR SOLUTION

The project assembled and prepared datasets for methane detection and crop classification, including Sentinel-2 imagery, simulated methane examples and crop-labelled time series.

Prepare the data behind EO thematic processing.

WHY IT MATTERS

- **Model training**
- **Test datasets**
- **Methane data**
- **Crop time series**

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