FAIR-EO
FAIR, Open and AI-Ready Earth Observation Resources

OSCARS
Open Science Clusters' Action
for Research & Society

Through the creation of AI4EOhub, a comprehensive and accessible repository of annotated datasets, AI models, and analysis pipelines, the FAIR-EO project will enhance Earth Observation (EO) data discovery, preparation, analysis, and reproducibility.

ENVRI
Environmental Sciences

Challenge

The AI and EO communities often struggle with data fragmentation, lack of standardisation comprehensive FAIR adherence, and barriers to collaboration. Data discovery, preparation, and reproducibility are particularly difficult due to the absence of accessible, well-documented repositories.

Solution

FAIR-EO aims to establish AI4EOhub, an integrated repository providing preprocessed, standardised, and annotated EO datasets optimised for AI applications, alongside standard AI methods and pre-trained models.

Scientific Impact

FAIR-EO supports sustainable research practices, aligning with the 'Green AI' initiative. It encourages interdisciplinary research and develops an interoperable semantic annotation schema to enhance data, AI model, and pipeline description and organisation.

Partners

Bias Variance Labs d.o.o., Jožef Stefan Institute

https://www.oscars-project.eu/projects/fair-eo-fair-open-and-ai-ready-earth-observation-resources