AI4 | eosc

Artificial Intelligence for the European Open Science Cloud

Artificial Intelligence (AI) along with Deep Learning (DL) and Machine Learning (ML) are at the forefront of both scientific and industrial research. The impact of these technologies, combined with the deluge of large datasets in the era of big data is now transforming science and innovation, opening up many new fields of research.

AI4EOSC project's vision is to increase the service offering in the EU landscape by extending the European Open Science Cloud (EOSC) ecosystem to support the most advanced AI techniques to be efficiently utilized by the research community. In this regard, the project will provide highly innovative services built on top of existing EOSC facilities, thus enabling EU researchers to efficiently exploit large and distributed datasets, following a service-oriented approach on top of the EOSC continuum.

Main objectives

- Cloud platform to **build and deploy custom AI applications** in the EOSC.
- Intuitive, interative and experiment **centric development environments**.
- **AI exchange and community** of practice for the **EOSC.**

Who is AI4EOSC designed for?

Research

EOSC ecosystem

Education

Developers

SME, startups

General society

And much more, try now the AI4EOSC platform! dashboard.cloud.ai4eosc.eu

Use cases

Agrometeorology
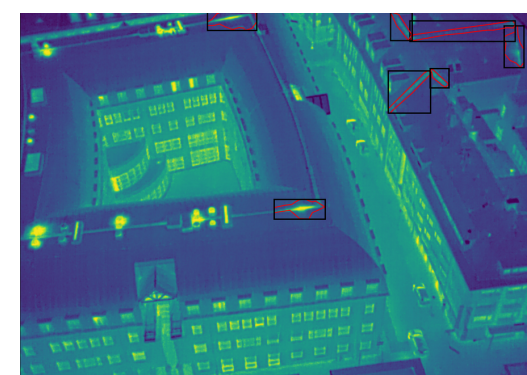Early warnings for farmers before approaching thunderstorms using AI techniques.
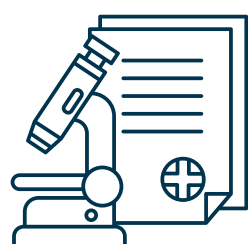

Integrated Plant Protection
Development of AI-based models for plant disease detection with greater terrain coverage and spatial precision.

Automated Thermography
Automate the detection of energy losses to mitigate their effects and enable higher system efficiency.

CSIC — Consejo Superior de Investigaciones Científicas
KIT — Karlsruher Institut für Technologie
LIP
Ústav Informatiky — Slovenská Akadémia Vied
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Contact us! ✉

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