



Use Case 3

Energy communities: Distributed solar energy production forecasting and demand management

Use Case 3 investigates the causal links between climate change and food security. This project, led by the University of Valencia in partnership with the World Food Programme, applies advanced causal machine learning to analyse the impacts of climate events, like droughts and floods, on food availability and stability in the Horn of Africa. By integrating Copernicus data, socioeconomic factors, and food security metrics, we aim to enhance risk assessment, policy effectiveness, and intervention planning for vulnerable regions.

For collaboration, contact Prof. Gustau Camps-Valls (gustau.camps@uv.es) or Dr. Miguel-Ángel Fernández-Torres (miguel.a.fernandez@uv.es).





Copernicus Foundation Models for a Thinking Earth

ThinkingEarth will utilise AI to create Copernicus Foundation Models and a Graph representation of the Earth.

Four Use Cases are being developed under the project.



Find out more and follow us for updates.





thinking-earth.eu





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