

Jožef Stefan Institute, Ljubljana, Slovenia

Among top 10 research institutes in Europe (European Research Ranking)

More than 100 AI researchers total, 50+ @ Dept. of Knowledge Technologies

- **Explainable AI: *Machine Learning (ML), Knowledge Representation***

+ ML from Complex Data (Structured Output; Data Streams; Relational)

+ Multi-criteria Decision Modeling (MCDM); Decision Support Systems (DSS)

- **Extensive Applications in Agriculture & Sustainable Food Production**

+ Integrating ML & MCDM into decision support systems for agriculture

+ At different levels (from the farm level to complete agri-food supply chains)

+ Protecting groundwater from pesticide use, Integrated pest management,
Assessing soil functions, Assessing the sustainability of legume agri-food supply chains

- **Infrastructure for Developing AI Applications in Agri-Food**

+ High-Performance Computing, ML&DSS SW platforms, also for EarthObservation data

+ Data, Extensive domain knowledge about agriculture and its environmental impacts

- **Many, many EU Projects: At Dep. KT, currently 10 total, 2 as coordinators**