h 10:00-13:00, April 1, 2024, Room B2.4 DICATAM

Prof. Eva Onaindia
Universitat Politècnica de València

AquaCrop: The FAO crop water productivity model and its adaptation for the AI4Water Project

Abstract: The first part of the talk will explore the input data required for running a simulation in AquaCrop. We will review the optimization-AquaCrop framework and identify the temporal and static data and constraints of each component.
The second part of the talk will analyze the Capitanata case study soil data from the SoilGrids and how these data are mapped to AquaCrop. Finally, we will present some of the results of the soil parametrization and compare them to the default values that AquaCrop provides.

Short Bio: Eva is a Professor of Computer Science at Universitat Politecnica de Valencia (UPV) in Spain. She has worked in several subfields of AI, particularly on the areas of Knowledge Representation and Reasoning, Automated Planning and Multi-Agent Systems. Currently, her main focus is on the integration of Planning and Learning and the development of personalized decision-making techniques that account for human values and user preferences. She was Editor-in-Chief of the journal AICommunications, the European journal on AI, and served as program co-chair of the conference ICAPS 2019, the International Conference on Automated Planning and Scheduling.