

LIFE ADAPT2CLIMA

Adaptation to Climate change Impacts on the
Mediterranean islands' Agriculture

(LIFE14 CCA/GR/000928)

Christos Giannakopoulos, Project Coordinator, National Observatory of
Athens, Greece



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Crete

Keywords

- ✓ Agriculture
- ✓ Mediterranean basin
- ✓ Adaptation
- ✓ Impact assessment
- ✓ Decision support tool
- ✓ Stakeholders' participation
- ✓ Regional adaptation strategies



ADAPT2CLIMA Project

- **Coordinator:** National Observatory of Athens-Greece
- **Partners:**
 - National Technical University of Athens- Greece
 - Agricultural Research Institute - Cyprus
 - Institute of Biometeorology (IBIMET-CNR) - Italy
 - Region of Crete- Greece
 - Regional Department of Agriculture, Rural Development and Mediterranean Fisheries - Sicilian Agrometeorological Information Service, Region of Sicily, Italy
- **Project budget: 1,497,060 € (60% EC funding)**
- **Duration: 43 months (1 October 2015 - 30 April 2019)**



olives



tomato

grapes



crops

wheat



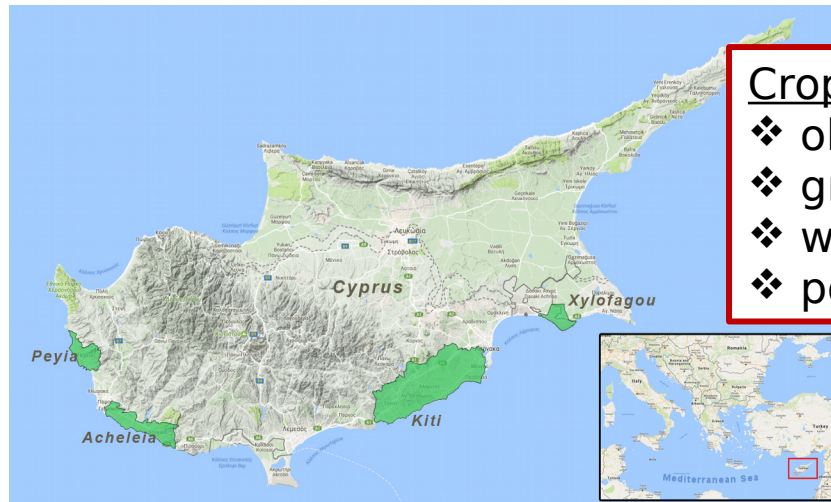
barley



potato



Project implementation areas

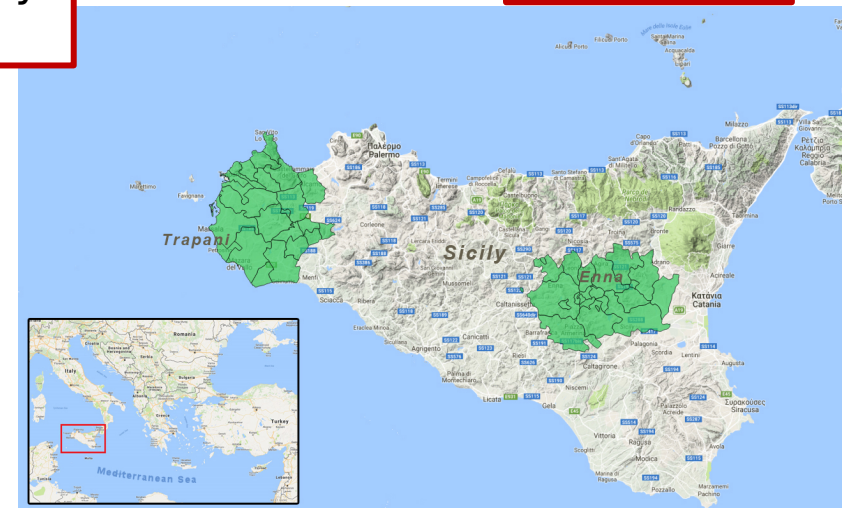


Crops-Cyprus

- ❖ olives
- ❖ grapes
- ❖ wheat/barley
- ❖ potatoes

Crops-Sicily

- ❖ grapes
- ❖ wheat



Crops-Crete

- ❖ olives
- ❖ grapes
- ❖ tomato

The islands were selected for two reasons :

- they figure among the most important cultivation areas at national level
- they exhibit similarities in terms of location (climate), size, climate change threats faced (coastal agriculture, own water resources), agricultural practices and policy relevance

Project objectives

Build a solid knowledge base on the future climate changes and their impacts on the agricultural sector of three European islands in the Mediterranean basin, namely Crete (Greece), Sicily (Italy) and Cyprus

Reduce vulnerability and increase resilience of agriculture to climate change risks by assessing the effectiveness of the available adaptation measures

Development, implementation and demonstration of a decision support tool (ADAPT2CLIMA tool) for enabling well-informed decision-making for adaptation planning in agriculture

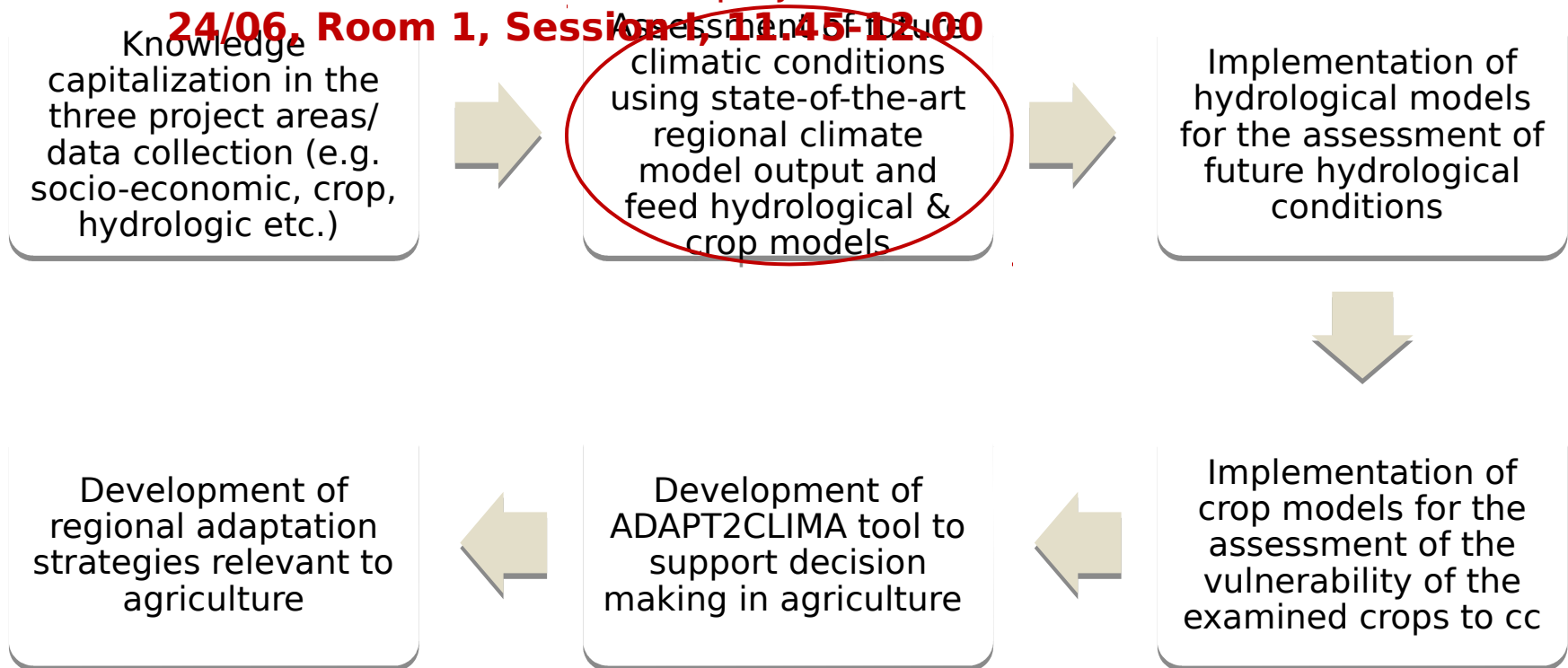
Development of climate change adaptation strategies for agriculture for the project implementation areas

Raising awareness of stakeholders and target groups on issues related to agriculture and climate change

Project methodology

See the presentation of C. Giannakopoulos et al. : Future projections of climatic indices relevant to agriculture for Crete, Cyprus and Sicily in the framework of ADAPT2CLIMA project

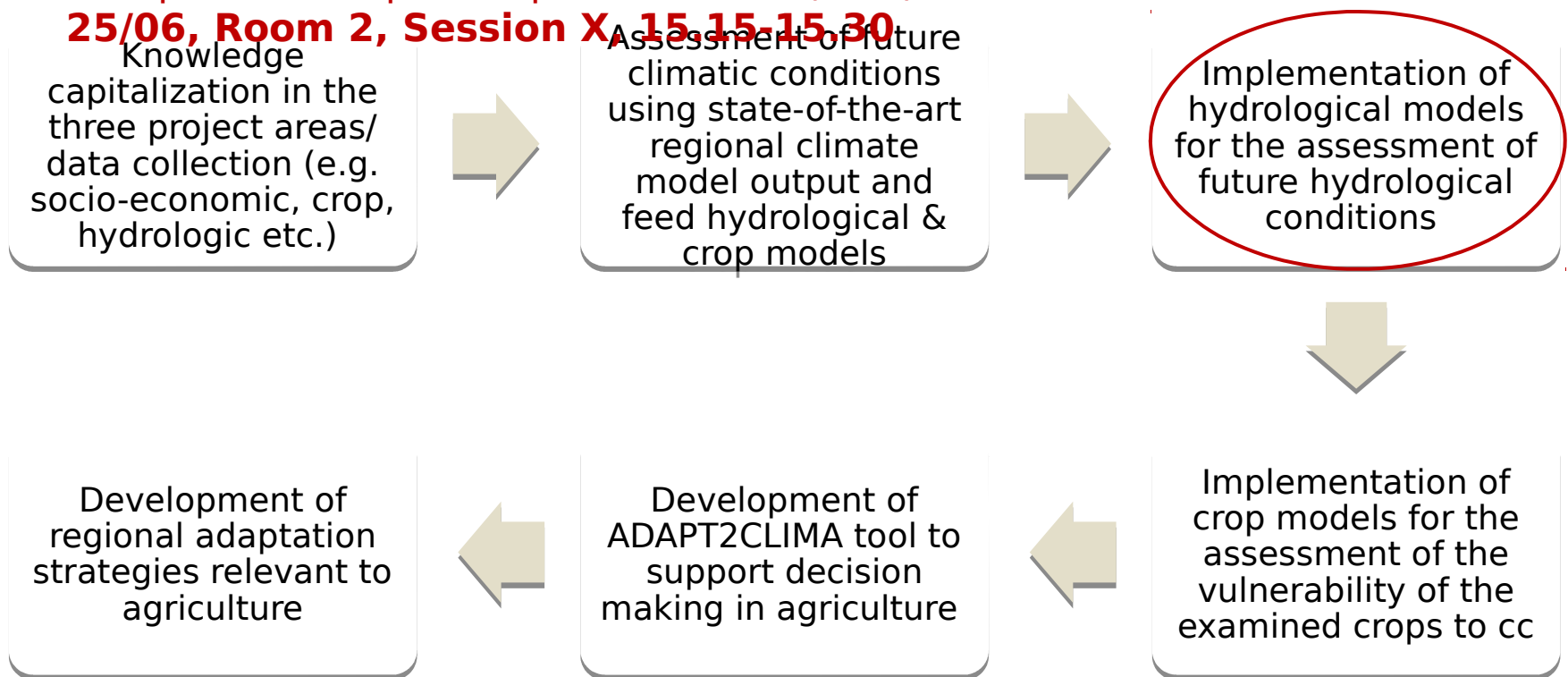
24/06, Room 1, Session 1, 11.45-12.00



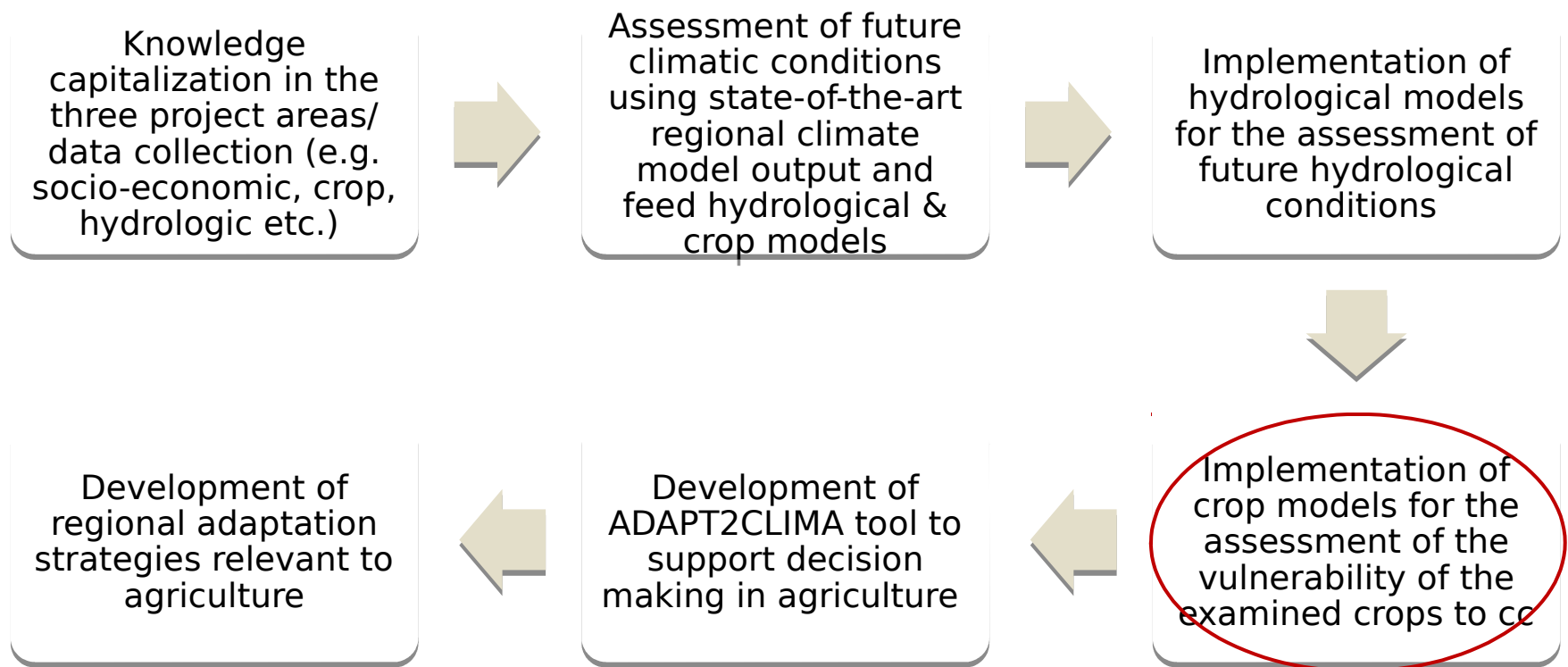
Project methodology

See the presentation of D. Charchousi et al: Assessing climate change impacts on drought severity in Mediterranean islands using the Standardized Precipitation Evapotranspiration Index (SPEI)

25/06, Room 2, Session X, 15.15-15.30



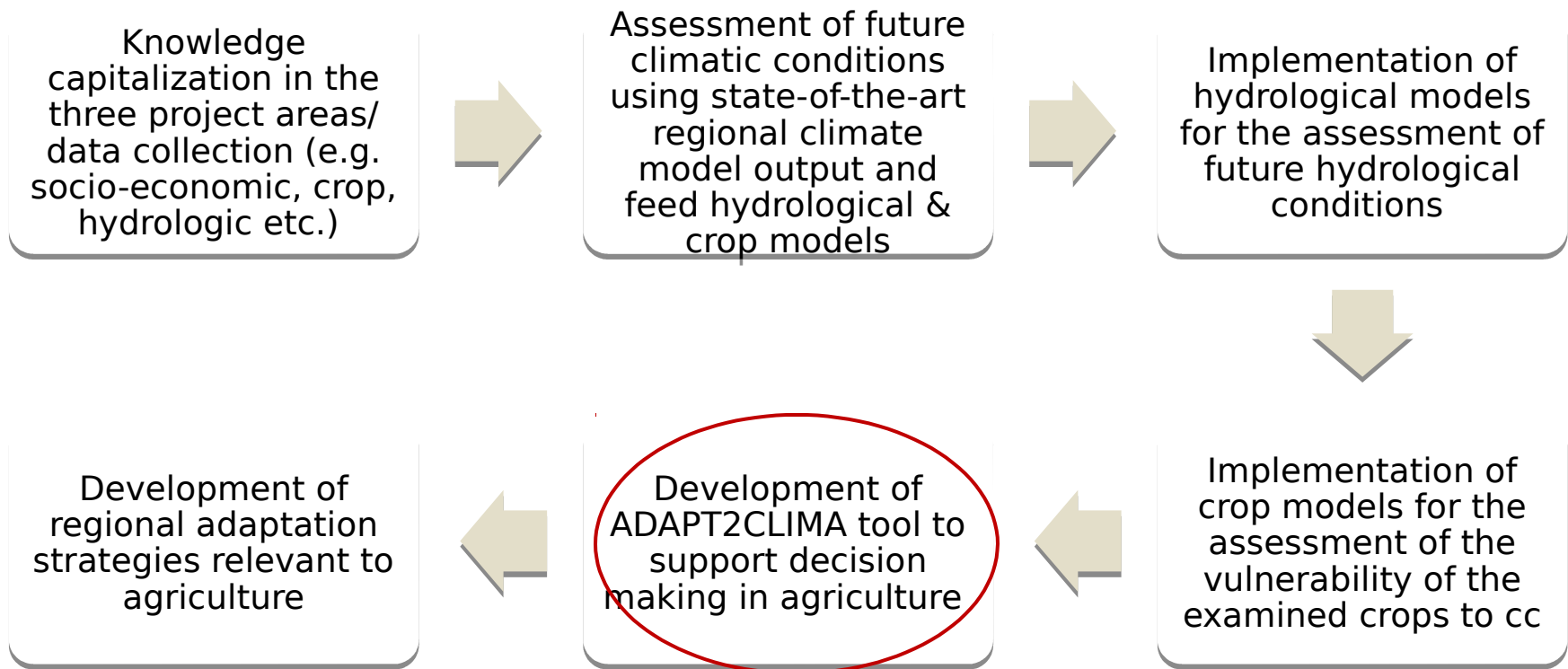
Project methodology



See the presentation of M. Moriondo et al. : Crop model calibration for assessing climate change impacts on Mediterranean staple crops

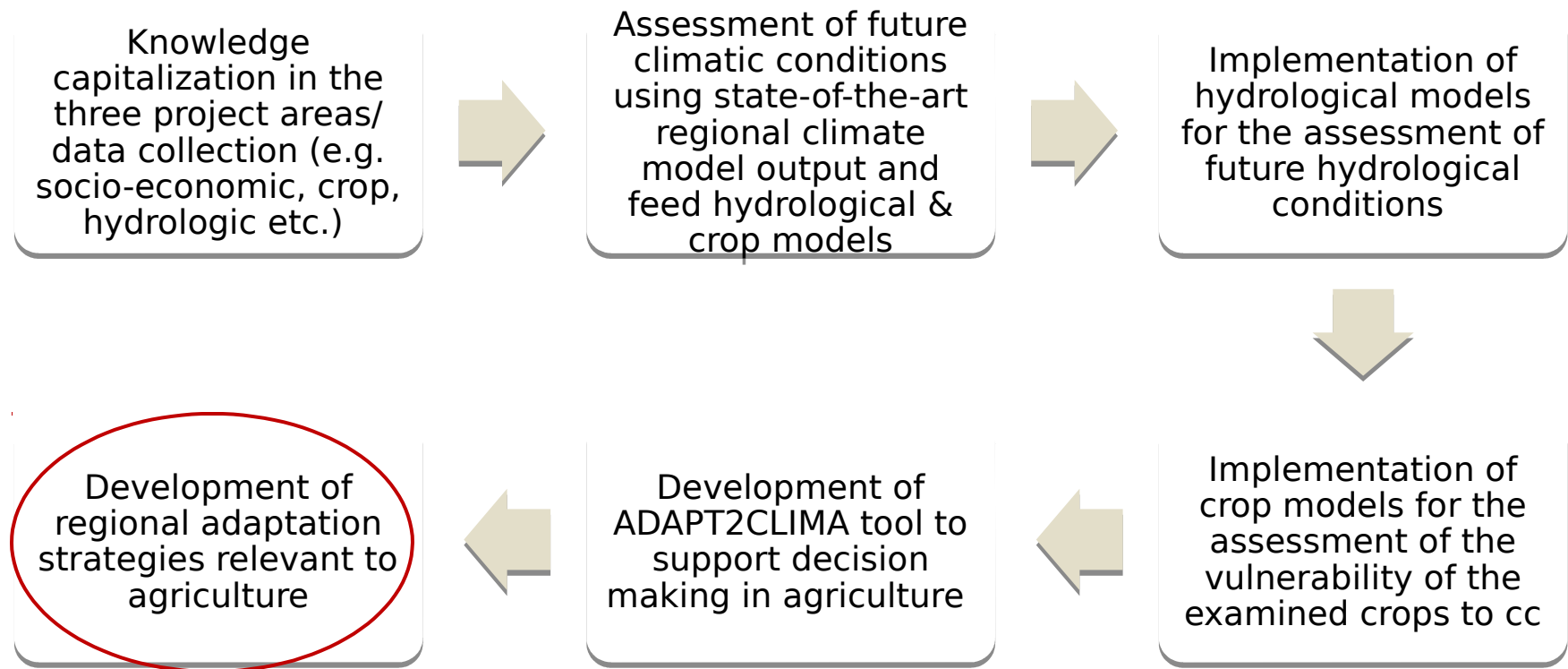
25/06, Room 2, Session VIII, 11.30-11.45

Project methodology



See the presentation of C. Papadaskalopoulou et al. : Adapt2clima tool: a decision support tool for supporting adaptation planning in agriculture
25/06, Room 1, Keynote presentation

Project methodology



See the presentation of M. Markou et al. : Development of a climate change adaptation strategy for agriculture in the framework of ADAPT2CLIMA project: the case of Cyprus

25/06 Room 1 Session VII 12.00-12.15

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