

# AUTOMATION AND ECONOMIC VIABILITY OF IRRIGATION IN OLIVE GROWING

## Leading partner:

Science and Research Centre Koper

## Other partners:

Institute of agriculture and forestry Novo Mesto, Boris Jenko, Gorazd Jereb, Franko Miklavčič, Igor Novak, Ernest Kante, Dorjana Hlaj, Franjo Bošnjak, Dujc Vanja

## Project type: EIP

Project theme: Efficient and sustainable use of water sources

**Practical problems:** (short description)  
Irrigation is becoming an essential practice in crop production, but because of limited water sources, complicated procedures for obtaining permits, lack of knowledge and experience and skepticism towards the economic viability, olive producers rarely decide to implement an irrigation system.

Project duration: 15.11.2019 – 15.11.2022

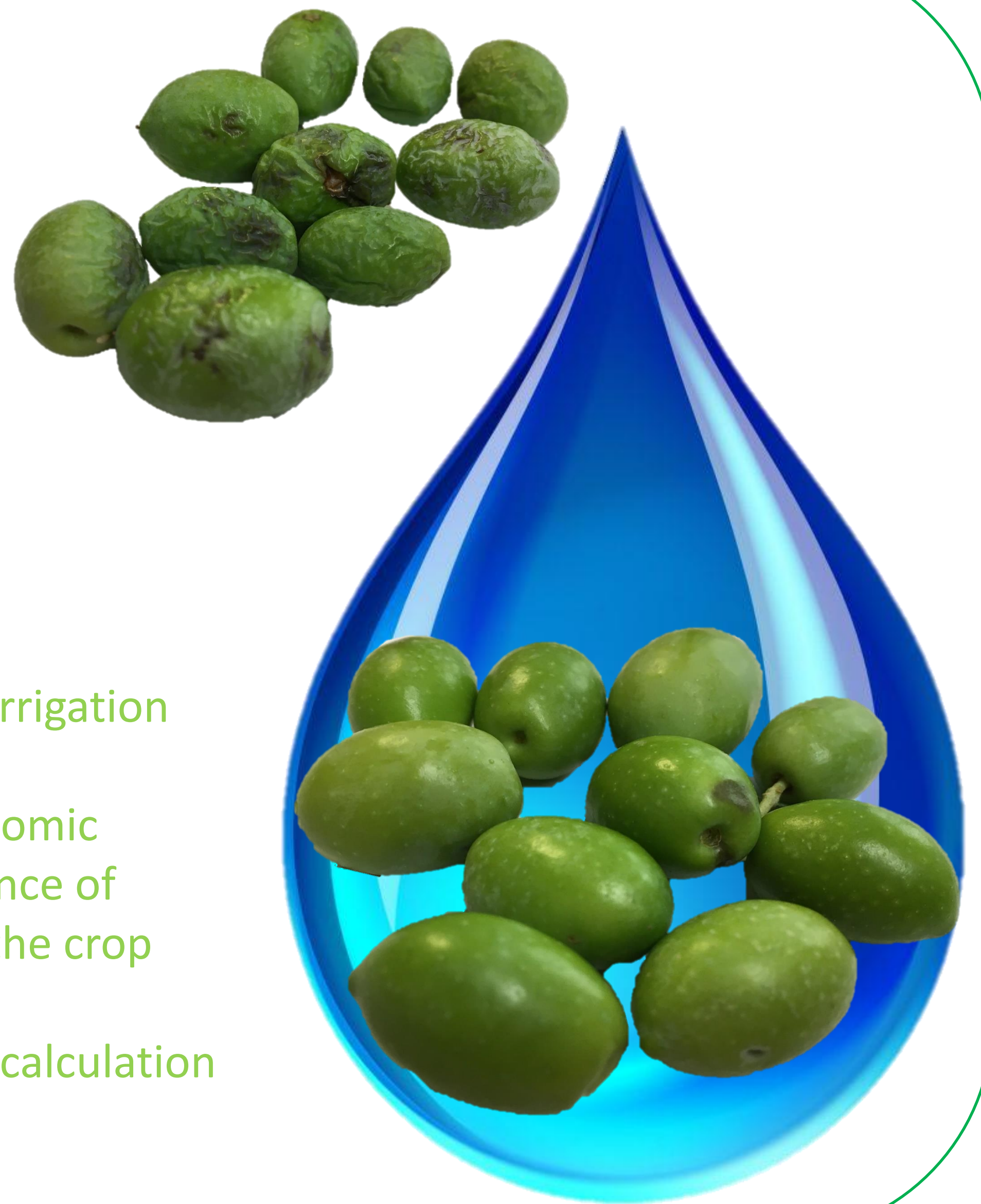
Granted resources: 242.619,94 €

## Main project goals

- provide an efficient method of adaptation to the climate change and thus increase the competitiveness of oliveculture
- improve the production potential of agricultural land
- provide an efficient and accelerated transfer of knowledge and innovation in oliveculture

## Expected and current results

- established demonstrative orchards where good olive irrigation practices can be viewed
- implementation of an experiment to evaluate the economic viability of olive irrigation and its effect on the occurrence of diseases and pests and on the quality and quantity of the crop
- automated irrigation development and optimization
- elaboration of a protocol and a model for the financial calculation for the establishment of an irrigation system
- Conduction of educational and promotional events



## Farmer's view:

We approached the project with the desire to reduce crop losses due to increasingly frequent droughts and thus ensure the economic sustainability of olive oil production.

## Consultant's view:

The project is providing us an ideal environment for the exchange of information with other research institutions and tools (model, protocol, demonstrative plantation), that will help us in future counseling.

## Researcher's view:

Participation in this project is enabling us to effectively transfer the knowledge and achievements of our research work into practice, and a place to search for new developmental challenges.

Leading partner's contact or contact details of the poster representative (first and last name, e-mail):

dr. Maja Podgornik – maja.podgornik@zrs-kp.si

Project website: <https://www.zrs-kp.si/index.php/research/avtomatizacija-namakanja-v-oljkarstvu/>