





ZeroParasitic


Innovative sustainable solutions for broomrapes: prevention and integrated pest management approaches to overcome parasitism in Mediterranean cropping systems

4. University of Tübingen (UTU), DE 

Section 2. Multi-topic

Budget and duration: 1,445,000 €, 3 years

5. Centro de Edafología Biología Aplicada del Segura (CSIC- CEBAS), ES 

6. Institut Agronomique et Veterinaire Hassan II, IAV Hassan II (IAV), MA 



1. Benaki Phytopathological Institute (BPI), GR



2. Agricultural University of Athens (AUA), GR


3. Agroland SA, GR



7. Epsilon SA, MT



8. Institut National de Recherche Agronomique de Tunisie (INRAT), TN

9. National Centre for Agricultural Research and Extension (NARC), JO 



10. Alexandria University (AU), EG 



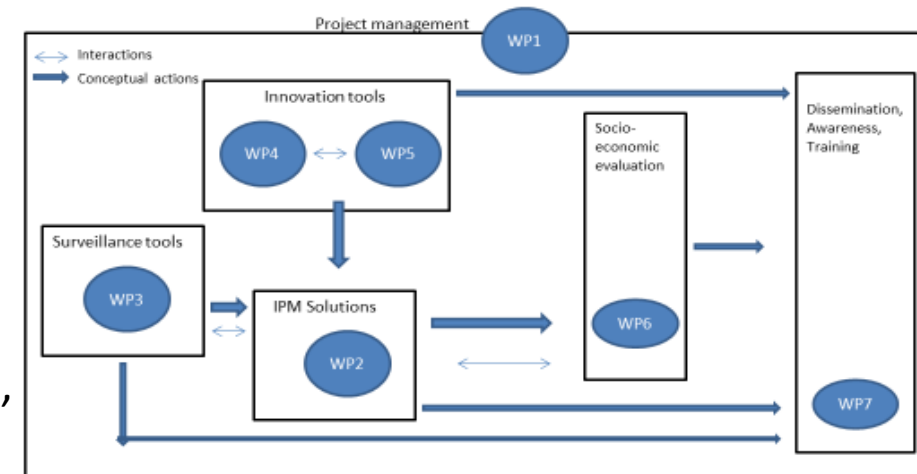
Main objectives / Approach

ZeroParasitic combines innovative and state-of-the-art strategies, tools and technologies in a functional holistic framework

ZeroParasitic is a trans-disciplinary, multi-actor effort to prevent broomrape invasions to Med cropping systems through IPM strategies into a highly innovative framework.

The approach accounts for the socioeconomic determinants of adoption and success of specific types of solutions from the outset of the project.

Figure shows how Work Packages interlink within the project and how natural, physical, societal and economic resources are utilized through actions that feed various WP's.



Expected impacts

In ZeroParasitic, a clear framework for increased excellence will be facilitated by research, information and technology exchanges on innovations in broomrape management between Mediterranean regions (8 participating countries, 10 individual partners).

Advancing the-state-of-the-art

- in molecular tools and mechanism of host-parasitic interactions
- in prediction models for parasitism.
- in broomrape management using Precision Agriculture.

Socio-economics/end-user needs

- Solutions will be socioeconomically evaluated, implemented and disseminated in a participatory way.
- The dissemination of the Project outputs will be based on a systems-thinking approach.
- The solutions will be highly accessible via an innovative web platform designed to satisfy requirements of a wide range of endusers.