

FINAL PROGRAM

Sunday Sept 15th

- Arrival
- 19.30 Afternoon and evening: Registration
- 20.00 Welcome drink and dinner

Monday Sept 16th

- 8:30 am to 9.00 am registration
- 9:00 am Welcome address and general announcements
 - MAICH Director **Dr. George Baourakis**
 - ELGO Director (Institute of olive tree, subtropical plants and viticulture) **Dr. A. Doulis**
- 09:30 – 10:30 am ***Session 1 - H. Kraehmer***
Introductory and overview presentation
- 10:30 am Break
- 11.00 – 12:30 am ***Session 2 - G. Economou- M. Kolářová***
Classical weed survey methods
 - 11:00 – 11:30 am Choosing weed survey fields – learning from the past- **J. Salonen**
 - 11:30 – 12:00 am Classical weed survey methods: a case study on the occurrence of archaeophytes in agrophytocoenoses in the Czech Republic- **M. Kolarova**
 - 12:00- 12:20 pm Proposal for the establishment of “Weed Observatory” in Cretan citrus orchard **G. Economou**
 - 12:20 – 12:30 pm Giving effective feedback on the presentations. Aspects and comments **by the Session organizers**
 - 12:30 pm Lunch
 - 02:00 – 03:30 pm ***Session 3 - H. Eizenberg – V. Alchanatis***
Advances in precision weed mapping. Automatic systems for weed monitoring
 - 02:00– 2:40 pm Introductory speech by the session organizers
 - 02:40- 03:00 pm Sensor- assisted weed identification as a crop management- **M. Tempel**
 - 03:00– 03:20 pm The use of UAV for mapping and analyzing weed distribution in onion fields- **G. Rozenberge**
 - 03:20 – 03:30 pm Giving effective feedback on the presentations. Aspects and comments **by the Session organizers**
 - 03:30 pm Break
 - 04:00 – 05:30 pm ***Session 4 - R. Lati***
Site specific weed management
 - 04:00– 4:20 pm Introductory speech by the Session organizer
 - 04:20- 4:40 pm Efficacy and selectivity evaluation of a new mechanical in- row weed control method- **E.Asaf**

- 04:40- 05:00 pm Utilize the potential herbicide savings using weed maps, when the sprayers have limited capabilities- **G. Somerville**
- 05:00- 05:20 pm Development of Integrated weed management for *Moringa oleifera*- **I. Shulner**
- 05:20- 05:30 Giving effective feedback on the presentations. Aspects and comments **by the Session organizer**

Tuesday Sept 17

- 8:45 – 10:00 am – ***Session 5*** -**S. Kalivas**
Introduction to automated weed mapping and spatial data analysis
(GIS data capture – data sources geodatabases, spatial interpolation, vegetation indices, spectrophotometry)
- 10:00 - 10:30 am Break
- 10:30 – 12:30 pm Unmanned aerial vehicle and mobile applications demonstrations in the field (Citrus orchard)
 - UAV and multispectral camera (**S. Kalivas– GIS research team of AUA**)
 - Spectral field measurement using Spectoradiometer -(**Charis Kalaitzidis - MAICH**)
 - Mobile application for data capture (**S. Kalivas– GIS research team of AUA**)
 - Mobile application – Bayer software demonstration (**M. Tempel**)
- 12:30 pm Lunch
- 02:00 – 3:30 pm Data evaluation and weed maps production -**Computer Laboratory**
- 03:30 pm Break
- 04:00 – 5:30 pm cont. Data evaluation and weed maps production- **Computer laboratory**
- 08:30 pm Evening: Party / Social event

Wednesday Sept 18

- 09:00 – 10: 30 am - ***Session 6*** - **J Salonen**
Spatial issues in weed distribution. Dominating weeds, change of composition over time, weed infestation and influence factors
- 09:00– 09:20 am Introductory speech by the session organizer
- 09:20– 09:40 am Weed resilience and adaption to climate change in cereal agro-ecosystems- **I.S. Montanya**
- 09:40 - 10:00 am Management of weeds in henna field: a tool to improve production- **K. Benaissa**

- 10:00– 10:20 am - Monitoring of Orobanche and weed distribution in sunflower fields using GIS. The case study of north-east Greece- **A. Karachaliou**
- 10:20 - 10:30 am- Giving effective feedback on the presentations. Aspects and comments **by Session organizers**
- 10:30 am Break
- 11:00 – 12:30 pm Session 7, **A. Uludag, H. Mennan, J. Holec**
Status of rare, invasive and resistant weed mapping
- 11:00– 11:20 am Introductory speech by the session organizer
- 11:20 – 11:40 am Mapping of rare arable plants in the Aegean - addressing scientific and dissemination gaps for the new flora of Greece and future agro-environmental schemes (AES)- **S.Meyer**
- 11:40– 12:00 am Current Status of invasive weed mapping - **A. Uludag**
- 12:00- 12.20 pm The invasion of *Atriplex micrantha* in the Czech Republic- **Josef Holec**
- 12:20- 12:30 pm Giving effective feedback on the presentations. Aspects and comments **by the Session organizers**
- 12:30 Lunch
- 02:00 – 03:30 pm Poster session
- 02:00 – 02:10 pm Counting Canola flowers and estimating seed yield using UAV images under Egyptian desert conditions. - **I. Frahat**
- 02:10 – 02:20 pm Monitoring and evaluation of pre-emergence herbicides performance in malt barley through remote sensing- **I. Katsikis**
- 02:20– 02:30 pm Efficacy assessment of pre - emergence herbicides to control *Lolium rigidum* L. in brewery barley- **Dimitra Doulfi**
- 02:30- 02:40 pm Weed community changes during the last three decades in semi- arid cotton crop using spatial temporal analysis- **K. Lontou**
- 02:40– 02:50 pm How weeds respond to nitrogen fertilization in a barley field- **I. Thomopoulos**
- 02:50- 03:00 pm Cattle grazing as a tool for invasive weed management and endangered species support on former pastures in mountain nature reserve- **M. Kolářová**
- 03:00 – 3:30 pm Poster discussion
- 03:30 – 04:30 pm Short summaries of session organizers on podium (10 minutes each + 5 minutes general discussion). Closing of the workshop
- 5.00 visit to Vinery

Thursday Sept 19 Departure