EWRS WORKSHOP · final PROGRAMME

Next Generation of Sustainable Herbicide Use

2–4 November 2026 · INIAV, Oeiras, Portugal

Organised by the EWRS Working Group “Sustainable Use of Herbicides”

EWRS · WG “Sustainable Use of Herbicides”

Host · INIAV

Co-organiser · SCAP

Programme at a glance

From Monday afternoon to Wednesday morning, with a wine tasting and a gala dinner

Monday 2 November
Day 1 · from 13:30

13:30	Registration
14:00	Welcome session
14:15	**Invited speaker: Eugénia Andrade (INIAV)**
14:45	Session 1 – Advanced IWM Systems (Part I)
16:00	Coffee break
16:15	WG session: activities, leadership
16:45	Discussion & networking
17:30	**Wine tasting “Carcavelos de Honra”**

Tuesday 3 November
Day 2 · from 09:30

09:30	Session 1 – Advanced IWM Systems (Part II)
10:45	Coffee break
11:00	Poster session
11:30	Innovation showcase & B2B networking
12:30	Break
13:30	Special Session on Projects
15:15	Coffee break
15:45	**Round table: cross-cutting innovations in EU research**
20:00	**Gala dinner “Adega Marquês de Pombal”**

Wednesday 4 November
Day 3 · from 09:30

09:30	Session 2 – Smart Agronomy & Emerging Challenges
10:30	Coffee break
11:00	Closing session · WG future plans – 21st EWRS Symposium 2027
13:00	End of the workshop

Opening and invited speaker

Day 1 · Monday 2 November · 13:30–14:45

13:30–14:00

Registration

Collect your badge and workshop materials at INIAV

14:00–14:15

Welcome session

Welcome from INIAV, SCAP and the EWRS Working Group

14:15–14:45

Invited speaker

Eugénia Andrade · INIAV, Portugal

New Genomic Techniques and Herbicide resistance: opportunities and future applications

Session 1 · Advanced IWM Systems (Part I)

Day 1 · Monday 2 November · 14:45–16:00 · Chair: TBC

14:45 **HERBISCORE: a comprehensive herbicide scoring system for sustainable weed management programs**
E. B. Aliche · AardevoAgronomy, The Netherlands

15:00 **Challenges for sustainable weed management in rice in Extremadura (Spain)**
María Dolores Osuna · CICYTEX, Spain

15:15 **PRE and PRE + POST herbicide programs under different fertilization systems in edamame soybean**
Natalija Pavlović · Maize Research Institute Zemun Polje, Serbia

15:30 **Effect on weed species from mechanical and chemical control in sugar beet (Beta vulgaris L.) in the Transylvanian Depression**
Cioca Parasca · USAMV Cluj-Napoca, Romania

15:45 **Optimizing herbicide strategies and crop competitiveness in Mediterranean legumes: a foundation for resilient, intercropping-based weed management**
Demosthenis Chachalis · Benaki Phytopathological Institute, Greece

16:00–16:15
Coffee break

16:15–16:45
WG session: activities, leadership & future plans

16:45–17:15
Discussion & networking

17:30
Wine tasting “Carcavelos de Honra”

Session 1 · Advanced IWM Systems (Part II)

Day 2 · Tuesday 3 November · 09:30–10:45 · Chair: TBC

09:30 **Potential of p-coumaric acid to reduce doses of HPPD-inhibiting herbicides for Ambrosia artemisiifolia L. control**
Petra Gregurić · University of Zagreb, Croatia

09:45 **Seed biopriming as a strategy for enhancing cover crop competitiveness against weeds**
Angeliki Petraki · Benaki Phytopathological Institute, Greece

10:00 **Agroecological weed management in organically produced maize: weed control and yield quality**
Milena Simić · Maize Research Institute Zemun Polje, Serbia

10:15 **Oleogel-formulated peppermint essential oil as a sustainable alternative to conventional herbicides: herbicidal efficacy against Taraxacum and Rumex species**
G. A. Azeez · University of Agriculture in Krakow, Poland

10:30 **Bioherbicidal potential of selected natural products against dicotyledonous and monocotyledonous weeds: effects on the early growth of Erigeron bonariensis and Avena fatua**
B. O. Ogangwu · University of Padova, Italy

10:45–11:00
Coffee break

11:00–11:30
Poster session

11:30–12:30
Innovation showcase & B2B networking

12:30–13:30
Lunch

Poster session & Innovation showcase

Day 2 · Tuesday 3 November · 11:00–12:30 · Chair: TBC

POSTER SESSION · 11:00–11:30 · three 5-min flash talks, then 15 min discussion at the posters

11:00 **Reduced herbicide sensitivity in rice weed populations of northern Greece: insights from producer surveys and greenhouse screening**
Athina Motsenigou · Benaki Phytopathological Institute, Greece

11:05 **Seed priming as a potential tactic for improving legume crop performance under weed interference**
Angeliki Kousta · Benaki Phytopathological Institute, Greece

11:10 **Phytotoxic and antibacterial effects of phenolic acids: responses of Ambrosia artemisiifolia and soil bacteria**
Maja Šćepanović · University of Zagreb, Croatia

11:15–11:30

Poster discussion with the authors

11:30–12:30 · Innovation showcase & B2B networking

Results from EU projects and smart herbicide technologies, with exchange between research and industry. Break follows at 12:30.

Special Session on Projects

Day 2 · Tuesday 3 November · 13:30–15:15 · Results from EU and national projects · Chair: TBC

13:30	**From conventional to agroecological weed management through the GOOD project**	*Alexandros Tataridas · University of Coimbra, Portugal*
13:45	**Scaling agroecological landscapes across the Mediterranean: insights from the PRIMA SCALAM project**	*Demosthenis Chachalis · Benaki Phytopathological Institute, Greece*
14:00	**Design and on-station testing of sweet potato cropping systems promoting the biocontrol of pests and weeds**	*Isabel Calha · INIAV, Portugal*
14:15	**Unlocking the potential of resilient orphan legumes for sustainable Mediterranean agriculture: insights from the Horizon Europe PROSPER project**	*Demosthenis Chachalis · Benaki Phytopathological Institute, Greece*
14:30	**Environmentally friendly control of Ambrosia artemisiifolia with a combination of reduced herbicide dose and phenolic acids**	*Maja Šćepanović · University of Zagreb, Croatia*
14:45	**POMATO: integrated strategies for sustainable management of bacterial diseases in potato and tomato crops**	*Pablo Iturbe Sanz · Fundación FUNDITEC, Spain*
15:00	**Automated, accurate, in-field detection of potato diseases by precision computer vision approaches**	*M. T. T. Torres Torres · B-Hive, Lincoln, United Kingdom*

Round table

Day 2 · Tuesday 3 November · 15:45–17:15 · after the coffee break (15:15–15:45)

“Cross-cutting innovations in EU research: what can weed science learn and contribute?”

Moderator: D. Chachalis · Panel: project speakers, INIAV and industry representatives

01

Transferable innovations

Agroecology, digital tools, crop diversification and disease management from the projects

02

What weed science adds

How weed management research can contribute to these approaches

03

Policy targets

Green Deal and Farm to Fork goals for reduced pesticide use

04

Next steps

Priorities for joint proposals and collaboration

Social programme

Two evening events for all participants

Mon · 17:30

Wine tasting
“Carcavelos de Honra”

Monday 2 November, after the Working Group session and networking [optional]

Tue · 20:00

Gala dinner
“Adega Marquês de Pombal”

Tuesday 3 November · Marquês de Pombal Cellar [optional]

Session 2 · Smart Agronomy & Emerging Challenges

Day 3 · Wednesday 4 November · 09:30–10:30 · Chair: TBC

09:30 **Limits of drone-based spectral indices and texture features for weed detection in rice: implications for spot spraying**
Dimitrios Vlotsos · Benaki Phytopathological Institute, Greece

09:45 **AI-assisted assessment of weed infestation severity in paddy rice from farmer-submitted smartphone images: toward herbicide resistance monitoring**
Dimitrios Vlotsos · Benaki Phytopathological Institute, Greece

10:00 **Herbicide resistance in rice weeds – the challenge of cross-resistance**
A. Pinheiro · Instituto Superior de Agronomia, Universidade de Lisboa, Portugal

10:15 **New Amaranthus species in Portugal: a potential threat to irrigated crops**
Isabel Calha · INIAV, Portugal

10:30–11:00 **Coffee break**

11:00–13:00 **Closing session · WG future plans – 21st EWRS Symposium 2027**

Conclusions of the round table, next steps for the Working Group and the next workshop. End of the workshop at 13:00.

Organisers and contacts

EWRS Working Group

“Sustainable Use of Herbicides”

Dimosthenis Chachalis, WG Leader
d.chachalis@bpi.gr
Milena Simić, WG Deputy Leader
smilena@mrizp.rs

Local host · INIAV

Oeiras, Portugal

Isabel Calha
isabel.calha@iniav.pt
Ana Pires da Silva
ana.piresdasilva@iniav.pt

Co-organiser · SCAP

Scientific Society of Agrarian Sciences

Marcia Silva