



5TH INTERNATIONAL SYMPOSIUM

WEEDS AND INVASIVE PLANTS

October 10 – 14, 2017

Chios, Greece

<https://www.ewrs-chios-invasives5.org>

1st circular

Topics

WG Germination and early growth

From weed seeds enter soil to emerged seedling (early growth) including:

Weed seed bank dynamics

Dormancy, germination, emergence and early growth

Reproduction by seeds and vegetative structures of weeds and invasive plants

WG Invasive plants

Agricultural weeds and plant invaders

Exotic plants and human society

Experiences with exotic plants

Management of plant invaders and exotic weeds

WG Weed mapping

Regional mapping and country surveys

Field scale weed mapping

The application of GIS systems in weed surveys and weed management

Climatic change and weed flora shifts

Program (detailed program follows)

Day 1 joint session with topics for all working groups

Day 2 parallel session for working group topics

Day 3 joint session with topics for all working groups

Day 4 joint excursion

Day 5 buffer for extended sessions, social activities, conference dinner

The venue

Chandris Hotel,

Eugenia Chandris Street

82100, Chios Greece

Tel +30 22710 44401; Fax + 30 22710 25768;

e-mail chios@chandris.gr

Hotel rooms at 80 € per night and Conference Rooms

www.chandris.gr/chios/default-en.html

Connections to Chios

Via Athens with Olympic and Aegean Airlines

Via Izmir Airport by bus to Cesme and by boat to Chios. *Please check yourself for Turkish visa requirement:*

www.mfa.gov.tr/visa-information-for-foreigners.en.mfa

Dear Colleague,

We are pleased to give you some general information on the joint workshop of our working groups. The aim of the workshop is to create a forum where people involved in research in 'Invasive plants' in 'Germination and early growth' and in 'Weed mapping' can come together and exchange results, experiences, and information and establish collaboration based on new contacts and networks. You are invited to express your interest by sending your registration via the web site (see below) along with the proposed title, name(s) of author(s) and one page abstract. Please forward this circular to any interested colleagues in your institution/country. Information on the workshop will also appear regularly on the working group's web site: <http://www.ewrs.org/weedmapping/default.asp>

Important dates for papers and posters

June 30st, 2017 submission of abstract to the WG-coordinator of your choice/subject:

WG Weed Mapping	Garifalia Economou:	economou@aua.gr
WG Germination and early Growth	Kirsten Tørresen:	kirsten.torresen@nibio.no
WG Invasive Plants	Christian Bohren:	christian.bohren@agroscope.admin.ch

Details for abstracts see last page.

<u>July 30st, 2017</u>	communication of acceptance
<u>August 5th, 2017</u>	early registration (increased fee for late registration)
<u>August 31st, 2017</u>	latest for submission of revised abstracts

Important dates for participants

<u>June 30st, 2017</u>	Deadline for pre-registration https://www.ewrs-chios-invasives5.org Latest submission for applications of young weed scientists for scholarships to the WG coordinator (see page 3)
<u>August 31st, 2017</u>	Final scientific program Provisional list of participants Additional information on conference venue, travelling, program etc.
<u>September 15th, 2017</u>	latest payment of workshop fees

Local Organizer

Prof. Garifalia Economou, Agricultural University of Athens
Laboratory of Agronomy, Department of Crop Science, School of Agricultural Production, Infrastructure and Environment,
Agricultural University of Athens, 75 Iera Odos Street, 11855 Athens

E-mail:	economou@aua.gr	Office phone:	+ 30 2105 294 756
Mobile:	+30 6974 732 229	FAX	+30 2105 294 482

Organizers

- Laboratory of Agronomy, Department of Crop Science, School of Agricultural Production, Infrastructure and Environment, Agricultural University of Athens
- Norwegian Institute of Bioeconomy Research (NIBIO), Ås, Norway
- Herbology in Field Crops and Viticulture, Agroscope in Changins, Nyon, Switzerland
- Düzce University, Turkey
- Canakkale Onsekiz Mart University, Turkey
- ESENIAS

Meeting fees

The fees include welcome party, lunches and dinners during the meeting days and farewell informal dinner. The instructions for payment will be provided in the coming Circulars.

Before 5 th of August:	regular fee (including meals, gala dinner, and excursion) :	€ 270
	students and accompanying persons:	€ 180
After 5 th of August:	regular fee (including meals, gala dinner, and excursion) :	€ 320
	students and accompanying persons:	€ 230

Gala dinner for everyone 30 €, excursion trip for everyone 30 € not included

Scholarships for young weed scientists:

Scholarships will be available for MSc, PhD students, post docs (up to 1 year after thesis submission) lower 35 year's old, working with weeds. Application from non EWRS members as well as from EWRS members should be e-mailed with the abstract to the organizers no later than June 30th, 2013. Candidates should submit an abstract and a letter of support from the supervisor clearly stating agreement to provide matching funds. The scholarships will be awarded according to the EWRS rules.

Abstracts and Proceedings

- A booklet with one-page abstracts of all scientific contributions will be available at the workshop.
- The abstracts of all scientific contributions, both oral and poster papers, will appear in the Proceedings, which will be published in each working group's web page after the workshop.
- Presentations will be uploaded as PDF files at the EWRS web site in agreement with the authors
- A booklet with one-page abstracts of all scientific contributions will be available at the workshop.

Details for abstracts

Scientific:

Title: Short and concise.

Background and objectives: state the rationale or hypothesis followed by objectives.

Methods: briefly discuss the experimental design and key methodologies.

Results: present the main results with appropriate data analysis and pertinent discussion.

Conclusions: limit the conclusions to those that are directly supported by the results.

Use *Latin names* (in italics) for organisms when first mentioned. Use common names of Chemicals (no trade names are allowed)

Technical:

The short abstract should show

The title of the presentation (font Times New Roman 14 pt bold)

Name and affiliation of the presenting author (centered)

Maximum 1 A4 page, single spaced (font New Times Roman 11 pt)

Up to 5 keywords separated by comma, no tables no graphs

Indicate: I wish oral presentation / I wish poster presentation

Example for abstract

New Method for *in situ* Monitoring of the Underground Development of *Orobanche cumana* Wallr. in Sunflower (*Helianthus annuus* L.) with minirhizotron

Eizenberg H¹, Shtienberg D¹, Silberbush M², Ephrath JE²

¹Department of Phytopathology and Weed Research, Agricultural Research Organization, Neve Ya'ar Research Center, P.O. Box 1021, Ramat Yishay, 30095, Israel. eizenber@volcani.agri.gov.il.

²Wyler Department of Dryland Agriculture, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, 84990, Israel

The aim of this study was to develop an *in-situ*, non-destructive method for observation and monitoring of the underground developmental stages of the root parasite *Orobanche cumana*. The parasitic weed *Orobanche* causes severe damage to vegetables and field crops. Most of the damage occurs during the underground, unobservable parasitism stage. Sunflower (*Helianthus annuus* cv. Adi) plants were planted in a soil that was artificially inoculated with *O. cumana* seeds. Clear Plexiglas minirhizotron observation tubes were inserted into the soil. Seed germination, early stage of penetration, and formation of tubercles and spikes were observed non-destructively and were monitored as video images throughout the growing season by means of a minirhizotron TV camera. Use of this technology enabled to monitor the complete individual parasite life cycle, from germination to *Orobanche* shoot. In addition, the effect of the systemic herbicide imazapic on the development of *O. cumana* was inspected and quantified. This novel methodology facilitates the *in-situ* study of major aspects of the host-parasite interaction, parasitism dynamics, parasite growth rate, and the effect of chemical treatments on the parasite.

Key words: broomrape, chemical control, image analysis

Thank you for calling at the conference website <https://www.ewrs-chios-invasives5.org>



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ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ



NIBIO

NORWEGIAN INSTITUTE OF
BIOECONOMY RESEARCH



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs, Education and Research (EAER)
Research Station Agroscope in Changins



ESENIAS
East and South European
Network for Invasive Alien Species