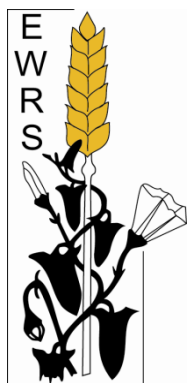


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**EUROPEAN WEED RESEARCH SOCIETY**

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Farmers and scientists discussing together about weed management and soil fertility issues in organic and conservation agriculture during the visit to one of the demonstration farms in Cenaia (Pisa, Italy), as part of the EU FP7 project OSCAR (<http://web3.wzw.tum.de/oscar>), the ERA-NET Core Organic II Project TILMAN-ORG ([www.tilman-org.net](http://www.tilman-org.net)) and the national project ACRIAC (Picture: Stefano Carlesi).

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## FROM THE BOARD

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### PRESIDENT'S MESSAGE

Dear Members,



In my previous presidential letter you could read only dreams. It turned out that the way to fulfil my expectations will be very hard. The transparent accounting and the changes in the operation are resisted by the members. Maybe the key is in the new Constitution for the changes. In any case as a good start the two Post Presidents, the President, Ben Post and the Secretary of EWRS should start to inspect the current Constitution. We will see how efficient that would be. All of the different forums are accepted the rejuvenation of the EWRS. The development of the NRs are encountered passive resistance. That could be changed in the future.

On the bright side I met many great people who gave me hope for the continuation. I was amazed by the two journals – Scicom and Weed Research- what are very important issues in our organisation and also have an important role in the scientific world.

I hope in my next letter I will send only positive messages.

Prof. Dr. habil László Radics  
E-mail: [laszlo.radics@mogert.hu](mailto:laszlo.radics@mogert.hu)

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**EWRS FINANCIAL REPORT 2012**

Treasurer, Drs. Ben J. Post

The EWRS Financial Report concludes the information of the "European Weed Research Society" (EWRS). The auditors Mrs. Riemens and Mr. E.S.N Mol conducted the audit of the financial administration of the EWRS at the office of the Treasurer on 18 June 2013.

The balance and financial report were proved to be correct.

## Ad Annexe 1: Foundation results

- The administration and balance of the Foundation has been audited by Mr. H. Wonnink (A.A.) (KAN Accountants, Doorwerth, The Netherlands).
- The Board of the "Foundation for the financial interests of the EWRS" has accepted the financial report of the Foundation.
- The Foundation's capital on 31 December 2011 was € 602,916.
- The capital of the Foundation in 2012 increased with € 51,184. This amount includes the transfer of € 22,000 from the Society.
- The Foundation's capital on 31 December 2012 was € 654,100.

## Ad Annexe 2: Income, Expenditure, Balance 2012

- Capital of the Society on 31 December 2011 was € 726.
- Capital of the Society on 31 December 2012 was € 7,395.
- The Executive Committee of the Society transferred an amount of € 22,000 to the Foundation.
- The final result, including the transfer of money to the Foundation, is an increase in the Society's balance of € 6,669.
- Income to the Society was € 90.691.
- Expenditure of the Society, due to scientific and executive activities, was € 61,619.
- The Society's result is an excess income of € 29,072.
- The bank costs and interest income due financial activities of the Society resulted in € -402.

## Ad Annexe 3: Budget Society activities 2014

- The budget for the Year 2014 for the Working Groups and for other activities has been established according to the proposals by SciCom and Board on 23 June 2013.

## Appendix 3: Foundation finances

<b>Foundation</b>	<b>Income</b>	<b>Expenditure</b>	<b>sub-totals</b>
Income - Expenditure			
Interest Foundation	6,415		
Dividend Foundation	9,848		
Bank Costs Foundation		451	
<b>Financial Activities Foundation</b>	<b>16,263</b>	<b>451</b>	<b>15,812</b>
Value Increase Stocks Foundation			13,373
Foundation receipt from Society			22,000
Result Foundation 2012			51,185
Balance 31 December 2011			602,916
Balance 31 December 2012			654,100
<b>Balance Society + Foundation 2012</b>	<b>31.12.2011</b>	<b>Result 2012</b>	<b>31.12.2012</b>
Foundation Accounts	602,916	51,184	654,100
Society Accounts	726	6,669	7,395
Capital and Reserves Society + Foundation	603,642	57,853	661,495

## Annexe 2

<b>Society</b>	<b>Income</b>	<b>Expenditure</b>	<b>sub-totals</b>
<b>Income</b>			
Membership Fees	23,862		
Journal Weed Research	66,829		
Symposia	0		
Other items:	0		
sub-total Society	90,691		
<b>Expenditure</b>			
Scientific Committee / Meetings		11,888	
Working Groups		6,560	
Websites Working Groups 2012 (> to be invoiced in 2013)		0	
EWRS Symposia		0	
Other Symposia		0	
EWRS Subsidy Junior Scientists China (incl, Poster Awards)		11,000	
Board / Meetings		5,038	
Treasury & Membership Office		17,107	
Newsletter		2,200	
Website EWRS,ORG		1,324	
Website EWRS Membership Office		2,913	
Taxes / Postage		452	
<b>Other items</b>			
EWRS Financial Archive destruction		115	
Smit-Moorman Notary		1,440	
Others		1,583	
<b>sub-total Society</b>	90,691	61,619	29,072
Interest - Bank Costs Society		402	
sub-total Financial Activities Society		402	-402
total All Activities Society			28,669
Transferred to the Foundation	-22,000		-22,000
Result Society 2012			6,669
Balance 31 December 2011			726
Balance 31 December 2012			7,395

## Annexe 3: Budget Society 2014

	<b>Budget 2014</b>
<b>All SciCom items summarised</b>	<b>98,000</b>
<b>Scientific Committee (SciCom)</b>	<b>3,500</b>
Chairman	2,000
Secretary	1,500

	<b>Budget 2014</b>
<b>SciCom Meetings</b>	<b>14,000</b>
SciCom Cont. 17th Symp. FR Jan 2014	2,000
SciCom Cont. 17th Symp. FR May 2014	6,000
SciCom Cont. 17th Symp. FR Sept 2014	6,000
<b>Working Groups</b>	<b>67,500</b>
Biological Control	5,000
Crop-Weed Interactions	5,000
Education & Training	7,500
Germination & Early Growth	5,000
Herbicide Resistance	7,500
Invasive Plants	5,000
Optimisation of Herbicide Dose	2,500
Parasitic Weeds	2,500
Physical and Cultural Weed Control	7,500
Site-Specific Weed Management	2,500
Weed Mapping	2,500
Weeds and Biodiversity	5,000
WM Arid & Semi-Arid Climate	2,500
WM Systems in Vegetables	2,500
HTC Herbicide Tolerant Crops	5,000
<b>EWRS Symposia</b>	<b>5,000</b>
16th EWRS Symp., Samsun 2013	
16th EWRS Symp., FR 2015	5,000
<b>Workshops</b>	<b>8,000</b>
EWRS Brainstorming 2014	5,000
EWRS HTC modelling WS 2014	3,000
<b>All Board items summarised</b>	<b>47,800</b>
<b>Executive Committee (ExCom)</b>	<b>11,250</b>
President	2,500
Past Pres. - External Relations	1,500
Secretary	2,000
Treasurer / Membership Officer (Office Consumables)	2,000
Foundation Accountant audit	1,000
Archive Committee	1,000
Archive Room Rent	250
Chair WRE editorial board	1,000
<b>Board Meetings</b>	<b>5,000</b>
Board Cont. Montpellier 2014	5,000
<b>Treasurer / Membership Office</b>	<b>17,300</b>
Treasury / Membership Office	17,300
<b>Newsletter</b>	<b>2,400</b>

	<b>Budget 2014</b>
Editor	2,400
<b>Website</b>	<b>10,500</b>
website EWRS.org	7,000
website MO	3,500
<b>Taxes &amp; Postage</b>	<b>850</b>
Taxes	100
Postage	750
<b>Others</b>	<b>500</b>
<b>Expenditure</b>	<b>145,800</b>

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## SCIENTIFIC COMMITTEE AND WORKING GROUPS

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### EWRS/NJF WORKSHOP ON RECENT ADVANCES IN IWM OF PERENNIAL AND ANNUAL WEEDS

By Lammert Bastiaans, EWRS Crop-Weed Interactions WG; [lammert.bastiaans@wur.nl](mailto:lammert.bastiaans@wur.nl)

The workshop was organized as collaboration between the NJF (Nordic Association for Agricultural Scientists) working group "Perennial weeds" and the EWRS working group "Crop-Weed Interactions" and was held at the Ecology Center at the SLU Campus in Uppsala, Sweden from 27-29 January 2014. The workshop was attended by 23 participants from 12 countries. The twenty presentations were arranged in five sessions and gave rise to interesting discussions. On Monday and Tuesday, the conversations were continued during joint dinners organized at the Ecology Center and at Sunnersta Herrgård, the location where most foreign participants stayed overnight. The local arrangements by the SLU staff and students are gratefully acknowledged.

The first session, on perennial weeds, focused on the factors influencing both growth and control of the most common perennial weed species in the Nordic-Baltic countries. Integrated control measures were addressed in terms of crop-weed competition, mechanical control methods and timing of treatments. New interesting results related to the compensation point of perennial species (the time when the energy resources in underground regenerative structures are at minimum level) were presented.

The second session focused on cultural control. In winter wheat, crop density, time of sowing and cultivar were identified as important factors, whereas spatial distribution did not seem to be of importance. The methodology for identifying crop traits, responsible for competitiveness against weeds was discussed and the various aspects related to seed vigour were presented. Also the first results of a long-term experiment for studying the influence of crop rotation in maize based cropping systems were shown. This session continued on Tuesday and then dealt with the importance of synergism among cultural weed control measures and the competitive ability of cereal cultivars. Future research should identify where in the life cycle of weeds cultural control measures can reinforce one another to reduce the size of the weed population most efficiently. The suppressive ability of cereal varieties is an important component in this context as it reduces the impact of weeds on crop yield including the weed seed return to the seed bank. Ongoing research in the UK is adding more understanding to the attributes of varieties that play a major role in the suppressive ability of varieties.

In the third session the attention was on competition and growth. Investigations on a range of different crop-weed combinations were presented. The more traditional arable cropping system was represented by large sized field trials on the competition between wild oat and spring wheat and the comparison of

the competitive ability of different spring barley varieties. Perennial weeds in grasslands were represented by a study on the competitive effect and spread of soft rush and compact rush (*Juncus* spp.) in extensive pastures and more intensively managed leys along the western coastline of Norway. Focus was on the influence of soil moisture and organic matter on the competitive ratio between *Juncus* spp. and *Poa pratensis*. A further two presentations discussed the role of crop-weed competition during the establishment phase of *Salix* genotypes (willow). In a first presentation the commonly practiced winter-storage of willow cuttings was questioned. Establishment of willow stands derived from stored cuttings was compared to fresh cuttings under both weed-free and weedy conditions. In another presentation the weed-free period of willow plantings was discussed. In this study white mustard and spring barley were used as model weeds. resulting in a discussion on 'how to select your ideal model-weed'.

In the fourth session, different aspects of direct weed control measures were discussed. In Finland, practices for tillage have changed. Stubble cultivation and direct drilling have become more common, which influences on the composition of the weed flora. In Norway, the effects of different timing of soil cultivation on perennial weeds have been studied and interesting results were presented. A study on combinations of mechanical and chemical weed control in oilseed rape performed in Sweden was presented and it was shown that such combinations can be implemented with advantage to further develop integrated weed management strategies.

The last session was on integrated weed management, an issue that in fact had already been an important topic throughout the workshop. In an informative and interesting talk on 'Challenges for Integrated Weed Management implementation in EU crops', the consequences of the new EU policy were illustrated. This was followed by a fruitful discussion on the role of GM-crops and the opportunities and problems with implementing IWM in Europe. After this final session, the local organisers were thanked once more for facilitating the workshop and for their great role in turning this workshop into a success.

A complete report on the workshop with abstracts can be downloaded from the WG-CWI page on the EWRS-website.



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## NATIONAL REPRESENTATIVES

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### WEED RESEARCH IN THE VERY NORTH – COUNTRY REPORT FROM FINLAND

by Jukka Salonen, National Representative of EWRS

In the series of country reports you find here information about the recent weed research activities in Finland. Most of the projects are administrated either by the MTT Agrifood Research Finland ([www.mtt.fi](http://www.mtt.fi)) or by the Agroecology Team at Helsinki University (contact: Prof. Juha Helenius, [juha.helenius@helsinki.fi](mailto:juha.helenius@helsinki.fi)).

Predicting the future distribution of alien arable weeds in northern agricultural habitats by Dr. Terho Hyvönen ([terho.hyvonen@mtt.fi](mailto:terho.hyvonen@mtt.fi)) deals with the aspect that climate change will mediate shifts in the distribution of species with a rate faster than expected as a consequence of natural processes. Invasive species have many negative impacts on ecological communities in their introduced ranges. Recently developed modelling techniques (bioclimatic envelope modelling) provide new possibilities for predicting species invasions due to climate change. The present work focuses on the modelling of range expansion of alien plant species, which have potential to become harmful arable weeds as consequence of climate change in Northern Europe. These species may cause substantial economic loss for agriculture. The most recent paper was published in Weed Research (Vol 54: 245-255) and interesting project proposals are in the pipeline e.g. together with colleagues in the Nordic countries and the UK.

The invasion level of alien plant species varies between different types of semi-natural agricultural habitats, geographical regions and study years as shown in Dr. Miia Jauni's dissertation (2012): Plant invasions in boreal agricultural habitats: the effects of environmental conditions, species traits and the impact on native diversity. available at: <https://helda.helsinki.fi/handle/10138/35802>.

Agroecological issues have been studied in the Endophyte fungi project by Prof. Kari Saikkonen (MTT). They published a paper on endophyte promoted competitive superiority of meadow fescue which deals with crop-weed interactions. Ref: Saikkonen, K. et. al. 2013, "Fungal endophytes help prevent weed invasions" Agriculture, Ecosystems and Environment 165: 1-5.

PesticideLife project coordinated by Ms. Sanni Junnila was an EU-funded project: "Reducing environmental risks in use of plant protection products in Northern Europe" (2010-2013). The aim of the project was to promote IPM practices at farm level as a part of national action plan on the sustainable use of pesticides. Cereal crops were the focus of the demonstration fields in nine farms. More info: [www.mtt.fi/pesticidelife/en](http://www.mtt.fi/pesticidelife/en).

The on-going projects at MTT deal with the crop rotation and tillage practices. Long-term field trials in Jokiainen follow the changes in weed populations. Furthermore, biodegradable mulch materials are tested to replace plastic mulches in vegetable production. The new materials include both biological and technological challenges.

Since 1995, agri-environmental support has formed the core of Finland's agri-environmental policy. Weed survey in spring cereals has been part of the monitoring study on the impacts of the measures implemented and funded by the policy schemes. Changes in cropping practices (increased use of glyphosate, less intensive tillage) have caused some weed sift. The abundance of weeds has remained at about the same level in conventional cropping but increased substantially in organic cropping (Weed Research, Vol 53: 110-120). Seed-propagated grass species and overwintering species thrive in non-ploughed fields.

Agri-environmental measures have so far resulted in only minor positive implications for the biodiversity of agricultural environments, in contrast to what has been expected. Land-use intensification has decreased landscape heterogeneity and the amount of semi-natural habitats. Agri-environmental



schemes should include long-term contracts with farmers for the establishment and management of fields and field margins. Two PhD dissertations about this subject have been presented at the University of Helsinki: Sanna Tarmi (2011): Plant communities of field margins: the effects of management and environmental factors on species composition and diversity, available at: <https://helda.helsinki.fi/handle/10138/26508> and Eeva-Liisa Korpela (2014): Experimentally tested responses of flower-visiting insects to habitat establishment on farmland, available at: <https://helda.helsinki.fi/handle/10138/44723>.

Finland is the most northerly country in the world that has an agricultural sector. The short growing season and long summer days present conditions for cropping and plant protection that differ radically from other parts of Europe. Testing of PPPs in Finland produces indispensable knowledge of their behaviour under extreme northern conditions. The MTT Agrifood Research Finland in Jokioinen (60°49'N, 23°30'E) is Europe's most northerly and Finland's only research unit fulfilling both GEP (Good Experimental Practice) and GLP (Good Laboratory Practice) requirements for testing PPPs, (Contact: [pentti.ruuttunen@mtt.fi](mailto:pentti.ruuttunen@mtt.fi) for herbicide testing).

NORBARAG, formed in 2008, is a forum for information exchange between people actively involved in pesticide resistance in the Nordic-Baltic region. NORBARAG brings annually together representatives from official research institutes and agrochemical companies (Contact: [jarmo.ketola@mtt.fi](mailto:jarmo.ketola@mtt.fi)). Resistance of *Stellaria media* against sulfonylureas has been demonstrated in Finland (ref: Uusitalo et al. 2013. ISRN Agronomy journal).

Recently, in January 2014, a workshop on "Recent advances in IWM" was co-organized by the EWRS Working Group Crop-Weed Interactions (Chair: Lammert Bastiaans) and by the Nordic Association for Agricultural Scientists (NJF, Chair: Jukka Salonen) in Uppsala, Sweden. The Proceedings are available at the CWI WG's web site and a summary of the meeting is given on pages 6-7 of this Newsletter.



Lettuce thrives in a biodegradable mulch (picture by Jukka Salonen).

## MEMBER CONTRIBUTIONS

### THE HISTOLOGY OF *MALVA NEGLECTA* WALLR.

Dear colleagues,

*Malva neglecta* Wallr. (Bayer code: MALNE), common mallow, button weed or cheeseplant is the object of my weed anatomy contribution to this Newsletter. Common mallow is an annual plant in most parts of the world. Depending on environmental conditions, it may become biennial or perennial also. It is an invasive species to the USA. The stem of common mallow is often procumbent and the plant grows prostrate, forming mats (Figures 5 and 6). Seeds are arranged in a round fruit (Figures 2 and 3). They can be viable for a long time, some scientists claim for more than a hundred years. *M. neglecta* has been described as a species with an inherent tolerance to some herbicides.

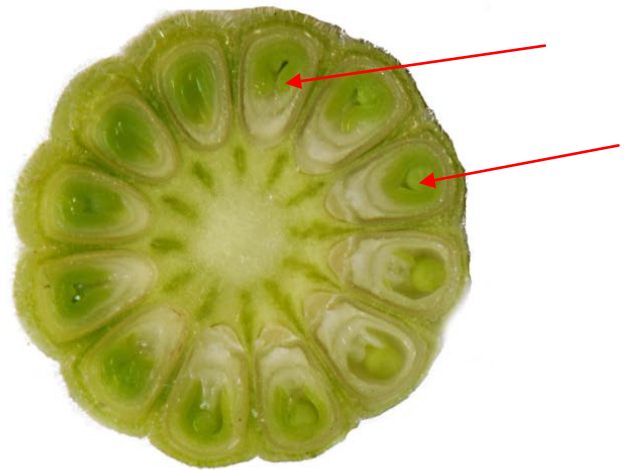


Figure 3 : Transverse section through fruit of *M. neglecta* showing green embryos in seeds (red arrows) , November 2010



Figure 1 : Flowering *M. neglecta* in an orchard near Frankfurt, Germany, November 2010



Figure 4 : Leaf of *M. neglecta* in October 2010



Figure 2 : Fruit of *M. neglecta* , November 2010



Figure 5 : *M. neglecta* at a roadside near Frankfurt, Germany, October 2008



Figure 6: *M. neglecta* in an orchard (arrow) near Frankfurt, Germany, in August 2013

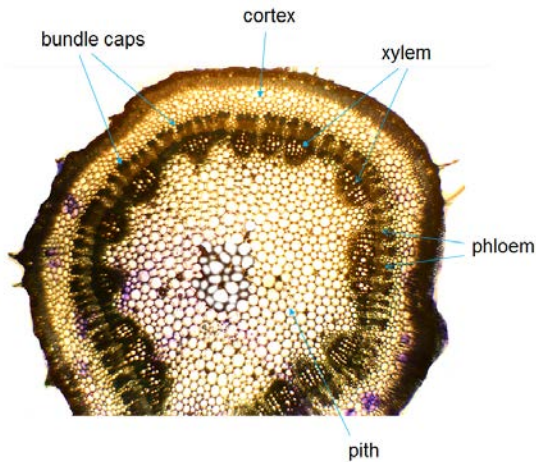


Figure 7: Transverse section through stem of *M. neglecta*, Toluidine Blue staining, 40x

A transverse section through the advanced stem of common mallow shows a ring of coherent xylem and phloem showing original single bundles (Figures 7 and 8).

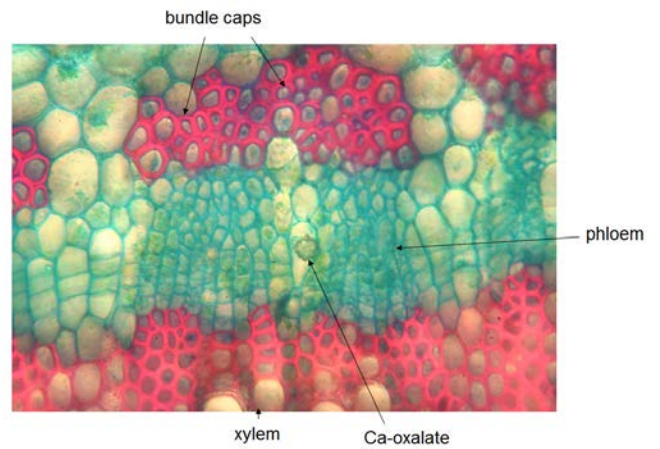


Figure 8: Transverse section through stem of *M. neglecta*, Etzold Blue staining, 400x.

H. Krämer

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## CALL FOR CONFERENCES

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### 13<sup>TH</sup> IUPAC INTERNATIONAL CONGRESS OF PESTICIDE CHEMISTRY

August 10-14 2014  
San Francisco, California, USA

#### MODE OF ACTION AND RESISTANCE MANAGEMENT - HERBICIDES

#### Purpose of Symposium

Herbicides are a threatened resource that is essential for global food production, especially to attain weed control in the world's major grain crops. However, unique herbicide discovery is very rare, with no new herbicide mode of action introduced for over 20 years. There is widespread evolution of weeds resistant to existing herbicides, compromising weed control in global crops. Many different resistance mechanisms are now evident. Alarming, resistance mechanisms, such as cytochrome P450's, confer resistance across several herbicide modes of action. Increasingly, weeds accumulate several resistance mechanisms, enabling multiple resistances across herbicide modes of action. An urgent need exists for new herbicide modes of action. However, there is also urgent need for better herbicide stewardship and discovery of alternative weed control technologies aimed to achieve herbicide sustainability in global agriculture. This symposium will cover herbicide mode of action discovery and the need and importance

of alternative technologies. The primary focus will be on new approaches to herbicide discovery, herbicide alternative technologies, resistance probability and prediction, as well as the latest approaches to resistance mitigation and thus herbicide sustainability.

### **Suggested Topics**

- New modes of action of herbicides
- Newly evolved mechanisms of resistance to herbicides
- Resistance management strategies
- Natural products as sources of new modes of action
- The alarming threat of cytochrome P450 and other enzyme systems endowing resistance to both existing and potential new herbicides
- RNAi technology for weed management and its potential role in resistance management
- The great rate debate – the effect of herbicide rate on resistance evolution
- Herbicide sustainability strategies

### **Further information**

Please contact the organizers:

- Stephen Duke, USDA-ARS, + 1 662-915-1036; [stephen.duke@ars.usda.gov](mailto:stephen.duke@ars.usda.gov)
- Stephen Powles, University of Western Australia, +61 418-927-181; [stephen.powles@uwa.edu.au](mailto:stephen.powles@uwa.edu.au)
- Congress details (registration, housing, program, etc.) can be found at; [www.iupac2014.org](http://www.iupac2014.org).

### **5<sup>TH</sup> WORKSHOP OF THE EWRS WORKING GROUP WEEDS AND BIODIVERSITY**

We are pleased to announce the 5<sup>th</sup> Workshop of the EWRS working group Weeds and Biodiversity. A two-day workshop is planned for 17-21 November 2014 in Pisa, Italy. Please keep that week free in your agenda.

Members of the working group will be informed via e-mail circulars and non-members will find additional information via the website of the working group:

[http://www.ewrs.org/weeds\\_and\\_biodiversity.asp](http://www.ewrs.org/weeds_and_biodiversity.asp).

Local organisers; Paolo Barberi, Camilla Moonen, Federica Bigongiali, Gionata Bocci, Stefano Carlesi.

### **CALL FOR PROGRAM PROPOSALS FOR THE 8<sup>TH</sup> INTERNATIONAL IPM SYMPOSIUM**

"IPM—Solutions for a Changing World" is the theme of the 8<sup>th</sup> International IPM Symposium to be held March 23–26, 2015 in Salt Lake City Utah USA at the Salt Palace Convention Center. You are invited to submit a proposal for a session describing your program, activity, or research that addresses effective and efficient pest management. The symposium sessions will be divided into tracks based on commodity or setting and will address various aspects of Integrated Pest Management (IPM) across disciplines and around the world.

Sessions will be organized by these tracks, although others will be considered.

- Fruit & Nut Crops
- Rangeland/Livestock/Pastures/Turf and Sod/Natural Landscapes/Forestry
- Row/Agronomic Crops/Field Crops
- Specialty Crops: Nursery, Greenhouse, Hydroponic, Ornamental
- Urban/Structural/Landscape/School/Public Health
- Vegetable Crops

Priority will be given to submissions that address these aspects of IPM within the six tracks, although others will be considered.

- Breakthroughs in new pesticides, biocontrol agents and biopesticides
- Decision-making technology

- Funding and policy issues
- IPM from a global perspective
- IPM challenges and successes
- IPM partnerships
- Leading through education and outreach
- New tools for the IPM toolbox
- Organic and sustainable pest management
- Invasive and new problem species (plants, insects, diseases, etc.)
- Regulatory updates
- Techniques to increase IPM adoption

Sessions will be organized in 1-hour time blocks. Organizers may submit sessions that take more than 1 hour, but must accommodate a 15-minute break after each 1 hour segment. We are planning two types of session formats for the program.

- Mini-symposia should have a broad interest with estimated audiences of 75-100 people.
- Roundtable discussions/workshops will likely be topic specific, maybe involving hands-on activities, attracting 20-30 attendees.

Session abstracts should be limited to 250 words. Session proposals must be submitted online by April 25, 2014 for full consideration. Here is the online form: [www.regonline.com/IPMproposals](http://www.regonline.com/IPMproposals). The number of each type of session will be limited due to space and time constraints. The program planning committee will review all proposals and try to accommodate as many as possible. As at past symposia, limited "Program Enhancement" funds for speaker support are anticipated. Preference will be given to speakers who would not normally attend the event. Details about requests for these funds will be made available after the proposals have been submitted. This is a call for oral presentations; a call for poster submissions will be announced later this year.

### Information

Contact Elaine Wolff ([wolff1@illinois.edu](mailto:wolff1@illinois.edu)) to learn more about attending, exhibiting at or contributing to the Symposium. For information please see: <http://ipmcenters.org/ipmsymposium15>.

## 17<sup>TH</sup> EUROPEAN WEED RESEARCH SOCIETY SYMPOSIUM

Montpellier SupAgro, France  
23-26 June 2015

Weed management in changing environments

The European Weed Research Society (EWRS) and the French Association for Plant Protection (AFPP), together with the National Institute for Agronomy Research (INRA) and Montpellier SupAgro, are pleased to invite you to the 17<sup>th</sup> European Weed Research Society Symposium which will be held at Montpellier SupAgro, France. All holding institutions will make every effort to provide an excellent environment for a stimulating and enjoyable scientific symposium. The program will provide valuable information and networking opportunities for participants to discuss on any research, education and applied aspects related to weeds and weed management.

### Scientific program

The EWRS Symposium aims at bringing people together to report on and examine all topics otherwise separately moderated by EWRS Working Groups (see <http://www.ewrs.org>). It will give emphasis on "Weed management in changing environments".

Weeds have a significant impact on the quantity and quality of agricultural products and on the ecosystems. The environments in which weeds thrive are constantly changing and weed management is challenged by regulatory, economic and environmental pressures. Weed populations are dynamic, rapidly adapting to these changing environments and weed management approaches. Weed research must adapt to new challenges, adopting state of the art technologies to deliver sustainable weed

management solutions that limit weed adaptation and provide ecosystem services in agricultural systems.

We particularly welcome contributions that address these grand challenges in weed research. Furthermore the symposium will address current issues and novel approaches in weed biology, weed ecology, spatial aspects of weeds, crop/weed interactions, weed management approaches, chemical weed management and related disciplines.

The program includes four days of sessions, with keynote papers, ordinary oral and poster presentations, platforms for discussion forums, and field trip. All participants are invited to submit abstracts for oral and poster presentations. Instructions for the preparation and submission of abstracts will be given on the website: <http://www.ewrs2015.org> (see deadlines below). Side events, e.g. EWRS Working Group meetings and training sessions, will also be scheduled (tentatively on June 22).

## Venue



The symposium will take place at the campus of Montpellier SupAgro (International Centre for Higher Education in Agricultural Sciences) which is well situated in a beautiful park in the city center of Montpellier.

The urban agglomeration is nearly 0.4 million inhabitants. Montpellier is bordering the Mediterranean Sea in the Languedoc-Roussillon province in South France. It is 3h from Spain and Italy and 1h30 from Marseille by car, 3h15 from Paris by TGV train, and direct links to Montpellier airport are operated from Paris, Brussels, Frankfurt, Copenhagen, London, Birmingham, Munich and Roma. The city and the region are of high touristic and culinary interest. The participants will arrange accommodation on their own as many hotels and resort places are proposed in the city, but we will do our best to propose a selection of hotels and book rooms at the student residence on the campus.

## Registration

Symposium registration fees will be announced in September 2014. Reduced rate will be available for students. Registration fees will cover book of abstracts, morning and evening shuttle bus, field trip, lunches, morning and afternoon refreshments, and a symposium banquet.

## Subsidies for junior scientists

EWRS will supply subsidies to cover part of the expenses of junior scientists submitting an oral or poster paper. Details on when and how to apply for these subsidies will be disseminated through the symposium and EWRS websites and the EWRS Newsletter.

## Important dates and deadlines

- 01 July 2014 Website opens
- 01 September 2014 Submission of abstracts starts; registration opens
- 15 October 2014 Deadline for abstracts submission
- 15 October 2014 Call for junior scientists subsidy application published
- 15 January 2015 Distribution of acceptance letters on authors / abstract revisions
- 28 February 2015 Deadline for submission of revised final abstracts;
- 28 February 2015 release of 2<sup>nd</sup> circular with program
- 15 March 2015 Communication of junior scientists awarded a subsidy
- 30 April 2015 Deadline for early bird registration
- 31 May 2015 Publication of detailed program

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## UPCOMING CONFERENCES AND WORKSHOPS

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### WORKSHOP "EXPLORING WEEDS AND THEIR MANAGEMENT FROM NOVEL VIEWPOINTS"

24 – 28 June 2014

Pyrenees, France

<http://andinallanos.weebly.com>

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### 7<sup>TH</sup> WORLD CONGRESS ON ALLELOPATHY: COMPLEX INTERACTIONS IN A CHANGING CLIMATE

28 July – 1 August 2014

Vigo - Spain

[http://webs.uvigo.es/7wca\\_vigo/](http://webs.uvigo.es/7wca_vigo/)

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### ORGANIC AGRICULTURE: CLUES FOR WEED PREVENTION AND CONTROL

30 – 31 July 2014

Vigo - Spain

<http://webs.uvigo.es/organic.agriculture/>

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### 5<sup>TH</sup> INTERNATIONAL SYMPOSIUM OF BIOFUMIGATION

9 – 12 September 2014

Harper Adams University, UK

<http://www.aab.org.uk/contentok.php?id=160&basket=wwsshowconfdets>

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### NEW DEVELOPMENTS IN HAND-HELD APPLICATION TECHNIQUES

28 – 29 October 2014

School of Agriculture, Universitat Politecnica De Catalunya, Barcelona, Spain

<http://www.aab.org.uk/contentok.php?id=170&basket=wwsshowconfdet>

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### 8<sup>TH</sup> NEOBIOTA MEETING

3-8 November 2014

Antalya, Turkey

<http://www.neobiota2014.org/>

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### 5<sup>TH</sup> WORKSHOP OF EWRS WG WEEDS AND BIODIVERSITY

17-21 November 2014

Pisa, Italy

[http://www.ewrs.org/weeds\\_and\\_biodiversity.asp](http://www.ewrs.org/weeds_and_biodiversity.asp)

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**CHALLENGES FOR CROP PRODUCTION AND QUALITY - ANNALS OF APPLIED BIOLOGY CENTENARY CONFERENCE**

9 – 10 December 2014

The Olde Barn Hotel, Marston, Lincs, UK

<http://www.aab.org.uk/contentok.php?id=168&basket=wwwshowconfdets>

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**8<sup>TH</sup> INTERNATIONAL IPM SYMPOSIUM "IPM—SOLUTIONS FOR A CHANGING WORLD"**

23 – 26 March 2015

Salt Lake City, Utah, USA

<http://ipmcenters.org/ipmsymposium15>

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**17<sup>TH</sup> EWRS SYMPOSIUM**

23 – 25 June 2015

Montpellier, France

<http://www.ewrs2015.org>

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**18<sup>TH</sup> INTERNATIONAL PLANT PROTECTION CONGRESS "MISSION POSSIBLE: FOOD FOR ALL THROUGH ADEQUATE PLANT PROTECTION"**

24 – 27 August 2015

Berlin, Germany

<http://www.ippc2015.de/>

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**7<sup>TH</sup> INTERNATIONAL WEED SCIENCE CONGRESS**

19 – 25 June 2016

Prague, Czech Republic

<http://www.iwsc2016.org/>

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## EDITORIAL

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## INSTRUCTIONS FOR CONTRIBUTORS

**Deadline for contributions to be published in the following Newsletter issue: 1 July 2014**

### Questions

If you have any problems in writing or formatting your article, please do not hesitate to contact me, I'll be happy to assist you, As Technical Editor of the Newsletter, I prepare the final layout of the Newsletter prior to publishing, You can contact me by sending an E-mail to [newsletter@ewrs.org](mailto:newsletter@ewrs.org) / [moonen@sssup.it](mailto:moonen@sssup.it) or by calling me at +39 050 883567, I'm looking forward to receiving your contributions.

### CHARGES FOR JOB ADVERTISING IN THE NEWSLETTER

- Job advertisements are free of charge for EWRS members from public research and education institutions.
- The rate for a job advertisement from private enterprises is € 100 page, Reductions can be negotiated with the Newsletter editor for half page adverts.

Publication of a job advertisement on a special page of the EWRS website <http://www.ewrs.org> will be charged € 300 per advert.

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### Article XIV NATIONAL REPRESENTATIVES

European countries with at least a certain number of Members eligible to vote, shall be entitled to have its own National Representative. The decisive number shall be determined by the General Assembly on proposal of the Board, and described in a Bye-Law.

#### 1. Functions

The functions of the National Representatives are:

To promote, co-ordinate and advise on the activities of the Society and to act as contacts between the Members in their countries and the Society.

To be eligible for co-option as Additional Member on the Board.

To keep in touch with the Board through the Secretariat, to report about any activities.

To recruit new members interested to work and interact with the Society.

To involve actively the national Members in the activities of the Society.

To correspond new research ideas and trends.

To propose candidates for auditors of the Main Account.

To ensure that the editor of the Newsletter is informed of all meetings in their countries and to prepare reports, if appropriate, about such meetings to be published in the Newsletter.

#### 2. Meetings

A meeting of the National Representatives shall be organized at the occasion of each Symposium to discuss current trends in the research area of the Society. Requests for additional meetings within the period between two Symposia must be approved by the Board. The Immediate Past-President of the Society shall be the Chairperson of the meetings.

The nomination of candidates and the election of a National Representative by the Members of his / her country shall be conducted by the Secretary every 4 years on occasion of the election of the Vice-President. The Representatives shall be eligible for re-election for 1 further term.