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**EUROPEAN WEED RESEARCH SOCIETY**



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Jens C. Streibig

Fallow land in Denmark with *Papaver* spp. and *Leucanthemum vulgare* (Picture Jens C. Streibig).

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From left to right: Jens Streibig, Hansjörg Krähmer and Gabriella Kazinczi during the excursion of the 15<sup>th</sup> EWRS Symposium in Kaposvár (picture Andrej Simončič).

## FROM THE BOARD

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### PRESIDENT'S MESSAGE

Dear Colleagues,

EWRS recruits a considerable number of members from national weed science and plant protection societies. Two National Representatives complete our board as additional members. The immediate past president calls for a meeting of all National Representatives on the occasion of our European symposia. Per Kudsk convened such a meeting in Kaposvár this year. Representatives from the Czech Republic, Finland, Germany, Greece, Hungary, Israel, Italy and Sweden reported on their activities. Some of the national crop protection organisations have up to 1000 members. Of course, most reports and internet activities of these societies are written in the local language. Therefore, it may be difficult for many of us to access the information from these sources. I strongly encourage our National Representatives to report on national activities and to translate one or two of these notices and send them regularly to Camilla Moonen, the Newsletter editor (see front page and page 23 of this Newsletter for contact details).

Invasive alien species (IAS) are a potential threat to biodiversity. The European Commission Environment has started a new initiative to prevent the establishment and spread of IAS. This is good news as it allows weed scientists to step in and to get more European funds. Information is available from <http://ec.europa.eu/environment/consultations/biodecline.htm>

One major task of our society is to stay young and attractive for new members. It is my pleasure to announce our youngest member herewith: Camilla Moonen gave birth to a baby-boy, Mattia, on August 15<sup>th</sup>. Congratulations and all the best to Camilla and her family!

With this announcement, I invite you to read the contributions in this Newsletter and discover how diverse and interesting weed science can be.

Hansjörg Krähmer

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Camilla with 3-week old Mattia.

## **EWRS FINANCIAL REPORT 2009**

Treasurer, Drs. Ben J. Post; [ewrs@bureaupost.nl](mailto:ewrs@bureaupost.nl)  
7 July 2010

The EWRS Financial Report concludes the information of the "European Weed Research Society" (EWRS). The auditors Mr. J.H. Spijker and Mr. E.S.N Mol conducted the audit of the administration of the EWRS at the office of the Treasurer. The balance and financial report were proved to be correct.

Ad Annexe 1. Income, Expenditure, Balance 2009.

- Capital of the Society on 31 December 2008 was € 1,984.
- Capital of the Society on 31 December 2009 was € 12,298.
- The Board has asked financial support from the Foundation of an amount of € 8,500.
- The final result, including the transfer of money to the Foundation, is an apparent increase in the Society's balance of € 10,314.
- Income to the Society was € 77,419.
- Expenditure of the Society, due to scientific and executive activities, was € 74,708.
- The result is an excess expenditure of € 29,770.
- The bank costs and interest income due financial activities of the Society resulted in € -897.

Ad Annexe 2.

- The budget for the Year 2010 for the Working Groups and for other activities has been established according to the proposals by SciCom and Board on 10 July 2010, in Kaposvár, Hungary. On 10 July 2010 the General Assembly in Kaposvár, Hungary has approved the budgets for the year 2010.

Ad Annexe 3.

- The Board of the "Foundation for the financial interests of the EWRS" has accepted the financial report of the Foundation.
- The capital of the Foundation in 2009 increased with € 1,561. This amount includes the transfer of € 8,500 to the Society.
- The Foundation's capital on 31 December 2009 was € 528,779.
- The administration and balance of the Foundation has been audited by Mr. H. Wonnink (A.A.) (KAN Accountants, Doorwerth, The Netherlands).

The Treasurer presented a summary of the defensive / conservative investment strategy of the EWRS Foundation. Of the Foundation's capital 24% is in "running accounts", 32% in saving accounts and deposits, 41% in funds with guaranteed nominal or click values, 3% is in open funds.

Ad Annexe 4/5.

- Report of the Membership Officer (B. Post)
- Membership status; at present the Society has 546 Ordinary members, 97 student members, 5 honorary members, 4 sustaining members in 63 different countries 37 European countries, and 26 in the rest of the world. Additionally the Society has 45 affiliated member organisations.
- Membership fees 2011; on proposal by Ben Post the Board decided to keep the fee at € 60.00, as it was in 2010.

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## Annex 1. Income, Expenditure and Balance 2009

<b>Society activities</b>	<b>Income</b>	<b>Expenditure</b>	<b>Balance</b>
<b>Earnings</b>			
Membership Fees	25,906		
IWSS Fees	444		
IWSS Fees returned to IWSS	492		
Journal Weed Research	51,562		
<i>sub-total</i>	<b>77,419</b>		
<b>Expenditure</b>			
Scientific Committee / Meetings		4,593	
Working Groups		30,763	
EWRS Symposia		0	
Other Symposia (Aquatic Weeds)		5,939	
EWRS Subsidy Junior Scientists		0	
Board / Meetings		7,961	
Treasurer / Membership Office		16,377	
Newsletter (incl. postage)		2,000	
Website		2,387	
Taxes / Postage		1,874	
Diverse items		2,814	
Others		0	
<i>sub-total</i>		<b>74,708</b>	
<b>Financial Activities</b>			
Bank Costs and interest Society		897	
<i>sub-total</i>		<b>897</b>	
<b>total All Activities Society</b>	<b>77,419</b>	<b>75,605</b>	<b>(I-E) 1,814</b>
Requested support from Foundation	8,500		<b>8,500</b>
<b>Result Society 2009</b>			<b>10,314</b>
<b>Balance 31 December 2008</b>			<b>1,984</b>
<b>Balance 31 December 2009</b>			<b>12,298</b>

## Annex 2. Budget 2008-2011

<b>Society</b>	<b>Budget 2008</b>	<b>Budget 2009</b>	<b>Expenses 2009</b>	<b>Budget 2010</b>	<b>Budget 2011</b>
<b>Scientific Committee:</b>	<b>4,500</b>	<b>1,500</b>		<b>3,000</b>	<b>3,000</b>
Chairman	1,500			1,500	
Chairman Contingency	1,500				
Secretary	1,500	1,500		1,500	
<b>SciCom Meetings:</b>	<b>4,000</b>	<b>4,000</b>	<b>4,593</b>	<b>4,000</b>	<b>5,000</b>
SciCom Cont. Osijek 2008	4,000				
SciCom Cont. Volterra 2009		4,000	4,593		
SciCom Cont. Kaposvar 2010				4,000	
SciCom Cont. ? 2011					5,000
<b>Working Groups</b>	<b>43,000</b>	<b>53,500</b>	<b>25,842</b>	<b>35,500</b>	<b>60,500</b>
Biological Control of Weeds	2,000	2,500	1,809	2,500	5,000

<b>Society</b>	<b>Budget 2008</b>	<b>Budget 2009</b>	<b>Expenses 2009</b>	<b>Budget 2010</b>	<b>Budget 2011</b>
Crop-Weed Interactions	2,500	2,500	932	2,500	5,000
Germination & Early Growth		2,500	568	2,500	2,500
Herbicide Resistance		5,000		2,500	2,500
Invasive Plants	2,000	7,500	1,311	5,500	5,000
Optimisation of Herbicide Dose	5,000	2,500		2,500	2,500
Parasitic Weeds	2,000	7,500	3,531	2,500	5,000
Physical and Cultural Weed Control	2,500	2,500	8,982	2,500	7,500
Site-Specific Weed Management		5,500		2,500	2,500
Weed Mapping				2,500	7,500
Weeds and Biodiversity	2,000	7,500	1,570	2,500	5,500
WM Arid & Semi-Arid Climates		2,500	7,140	2,500	5,000
WM Systems in Vegetables				2,500	5,000
<b>Network of Excellence</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Education &amp; Training</b>	<b>0</b>	<b>7,500</b>	<b>4,921</b>	<b>3,500</b>	<b>7,500</b>
<b>EWRS Symposia:</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
15 <sup>th</sup> EWRS Symp., Kaposvár		5,000			
<b>Subsidy other Symposia:</b>	<b>9,000</b>	<b>0</b>	<b>5,939</b>	<b>0</b>	<b>0</b>
Vancouver 2008	9,000				
Aquatic Weeds Finland			5,939		
<b>Junior Scientists</b>	<b>0</b>	<b>6,500</b>	<b>0</b>	<b>10,000</b>	<b>0</b>
Aquatic Weeds Symp. Finland 2009		4,000			
Conf. Paras. Weeds Turkey 2009		2,500			
Kaposvár 2010				10,000	
<b>Board:</b>	<b>27,179</b>	<b>21,200</b>	<b>2,800</b>	<b>5,300</b>	<b>5,650</b>
President	3,000	0	0	0	0
President Contingency	2,500	0	0		0
Past Pres. - External Relations	2,500	1,000	0	1,500	1,500
Secretary	1,000	1,500	0	1,500	1,500
Treasurer / Membership Officer (Office Consumables)	1,500	1,500	1,368	750	1,000
Accountant Foundation audit	1,000	1,200	893	900	1,000
Financial Committee	0	0	0	0	0
Constitution Committee	0	0	0	0	0
Archive Committee	0	0	629	650	650
<b>Board Meetings:</b>	<b>5,000</b>	<b>5,000</b>	<b>5,071</b>	<b>5,000</b>	<b>5,000</b>
Board Cont. 2009 Wiley- Blackwell			1,117		
Board Cont. 2009 Volterra			1,941		
Board Cont. 2010 Kaposvar				5,000	
Board Cont. ? 2011					5,000

<b>Society</b>	<b>Budget 2008</b>	<b>Budget 2009</b>	<b>Expenses 2009</b>	<b>Budget 2010</b>	<b>Budget 2011</b>
<b>Treasury/Membership Office:</b>	<b>15,679</b>	<b>16,000</b>	<b>16,377</b>	<b>16,300</b>	<b>16,738</b>
<b>Newsletter:</b>	<b>8,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>
Newsletter production	4,000				
Newsletter postage	2,000				
Newsletter adverts					
Editor	2,000	2,000	2,000	2,000	2,000
<b>Website</b>	<b>2,500</b>	<b>2,000</b>	<b>2,387</b>	<b>2,000</b>	<b>3,000</b>
<b>Taxes &amp; Postage</b>	<b>600</b>	<b>1,100</b>	<b>1,874</b>	<b>1,100</b>	<b>1,100</b>
Taxes	100	100	52	100	100
Postage	500	1,000	1,822	1,000	1,000
<b>Various:</b>	<b>4,000</b>	<b>500</b>	<b>2,814</b>	<b>1,795</b>	<b>1,500</b>
<b>Expenditure</b>	<b>117,779</b>	<b>109,800</b>	<b>74,708</b>	<b>89,995</b>	<b>110,988</b>

## Annex 3. EWRS Foundation Investment Strategy

<b>Foundation Investment Strategy</b>	<b>31 Dec 2009</b>	<b>%</b>	<b>%</b>	<b>4 July 2010</b>	<b>%</b>
Total Running Accounts	132,641	52	24	132,510	24
Total Saving Accounts & Deposits	121,587	48	23	174,096	32
Sub-totals Accounts	<i>254,228</i>	<i>100</i>	<i>47</i>	<i>306,606</i>	<i>56</i>
<b>Investments</b>					
Total Sum with Guaranteed Values	257,359	94	50	221,475	41
Total Sum without Guaranteed Values	17,193	6	3	16,880	3
Sub-total Investments	<i>274,552</i>	<i>100</i>	<i>53</i>	<i>238,355</i>	<i>44</i>
<b>Total Capital Foundation</b>	<b>528,779</b>		<b>100</b>	<b>544,961</b>	<b>100</b>

## Annex 4. EWRS Membership 2010

<b>Ordinary Members 04-11-2009</b>	<b># Countries</b>	<b># Members</b>	<b>% of Total</b>
Central and Eastern Europe and Former Soviet Republic	15	180	28
Rest of Europe	22	364	56
Rest of the World	26	107	16
<b>Total</b>	<b>63</b>	<b>651</b>	<b>100</b>

## Annex 5. EWRS Membership dynamics 2009-2010

8/11/09 – 4/7/10	Members 8 Nov 2009	New Members	Cancelled	Recovered	Continued Member- Ship	Student Members 4 July 2010	Ordinary Members 4 July 2010
Central and Eastern Europe and Former Soviet Republic	152	10				22	158
Rest of Europe	310	20				49	307
Rest of World	79	16				26	81
Sub-total	541	46	-10	13+53	439	97	546
<b>Total 4 July 2010</b>	<b>643</b>						

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### MINUTES OF THE 36<sup>TH</sup> GENERAL ASSEMBLY

13 July 2010  
Kaposvár University, Hungary

Report by Andrej Simončič, EWRS Secretary; [andrej.simoncic@kis.si](mailto:andrej.simoncic@kis.si)

Present: Board members: Hansjörg KRÄHMER(Chairman), Per KUDSK, Josef SOUKUP, Ben POST, Paolo BARBERI, Gabriela KAZINCZI, Paul HATCHER, Baerbel GEROWITT and another 110 EWRS members.

#### **GA-36.1 Opening (H. KRÄHMER)**

- H. KRÄHMER welcomed all members. He thanked Gabriella Kazinczi for hosting this meeting.

#### **GA-36.2 Report of the Board (H. KRÄHMER)**

- H. KRÄHMER reported that he visited Wiley-Blackwell with Paul HATCHER. He reported also about the establishment of the working group Weed Mapping.
- B. POST mentioned our EWRS web-sites as well as the one for Weed Research, which are going to be renewed.
- The EWRS Foundation Board met on 9<sup>th</sup> July 2010.
- The election of the new additional board members is finished. Jan Netland (Norway) and Henry Darmency (France) are new board members for the next two years.

#### **GA-36.3 Report of the Scientific Committee (SciCom) (J. SOUKUP)**

- J. SOUKUP reported about SciCom activities and the decision about the next venue of the 16<sup>th</sup> EWRS Symposium. The 16<sup>th</sup> EWRS Symposium will take place in Samsun, Turkey between March 25<sup>th</sup> and 31<sup>st</sup>, 2013. See full report in the next issue of the Newsletter.

#### **GA-36.4 Report of the Treasurer (B. POST)**

- See full report of Membership dynamics in this issue (pages 4-8).

#### **GA-36.5 Report of the Membership Office (B. POST)**

- See full report of Membership dynamics in this issue (pages 4-8).



- Sustaining membership: the Board (Hansjörg KRÄHMER) should make some actions to obtain new Sustaining members.
- On-line membership administration; It was decided to update in 2010 all membership records and all debit invoices. The Board decided that the membership invoice is to be delivered to the members before 31 January yearly and that from 2011 on all actual and debit fees must be paid before 1 July 2011.
- New EWRS members issue; it was recommended to arrange the meeting with young scientists to analyse the perception of young scientists concerning our society during the next symposium 2012 in Samsun, Turkey.
- The EWRS website at ewrs.org must be synchronised with the membership office website as stated in 2010 in correspondence between Membership Officer, Webmaster and Board.
- On-line registration of WG meetings must be acquired by open offers from those who are interested to provide this option (acquisition round to be published in the Newsletter). The call for offer should be sent out by the president and secretary as soon as possible.

### **GA-36.6 Report of the Editor of Weed Research (P. HATCHER and J. MARSHALL)**

- J. MARSHALL reported on Weed Research for 2009 and part of 2010. Weed Research is financially stable, with good renewal of subscriptions, and made a profit for the society in 2009 of £ 61,356, a 31,6 % increase over 2008. Academically the journal is thriving, with increasing submissions and papers published (73 for volume 49 in 2009), and an impact factor in 2009 of 2.033, its highest ever. He reported also of the first Supplement which was published in November 2009. The journal will have the largest number of pages so far in 2010 (estimated page allocation is 672), and in 2010 we made a cover redesign and review papers to celebrate the 50<sup>th</sup> volume of the journal. He thanked all the editors and reviewers to help making Weed Research as successful as it is.

### **GA-36.7 Any other Business (H. KRÄHMER)**

- Nothing

### **GA-36.8 Next general Assembly (H. KRÄHMER)**

- 37<sup>th</sup> General Assembly will take place on Sunday, March 27<sup>th</sup>, 2011, Samsun, Turkey, as decided at the Board Meeting in Kaposvár.

### **GA-36.9 Closing (H. KRÄHMER)**

Minutes taken and compiled by  
Approved by

Andrej SIMONČIČ, Secretary  
Hansjörg KRÄHMER, President & Chairman

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From left to right: Per Kudsk (EWRS Past-President) and Christian Bohren (Coordinator of the EWRS Working Group on Invasive Plants) during the country dinner of the 15<sup>th</sup> EWRS Symposium in Kaposvár, Hungary (picture Andrej Simončič).

## SCIENTIFIC COMMITTEE AND WORKING GROUPS

### REPORT OF THE MEETING OF THE EWRS WEED MAPPING WORKING GROUP

Kaposvár, Hungary, 12 July 2010  
By Hansjörg Krähmer

Around 20 participants met for the first official Weed Mapping Working Group Meeting in Kaposvár. Six regional coordinators presented their achievements after a short introduction by H. Krähmer: Terho Hyvönen for Scandinavia and Finland (A); Kristin Hanzlik for Benelux, UK, Switzerland and Germany (B); Istvan Dancza for Hungary (C), Paolo Bàrberi for Italy (D); Maja Meseldzija for Serbia, Croatia, Bosnia, Montenegro and Bulgaria (E, presentation delegated to H. Krähmer); Michaela Kolářová for Slovenia, Slovakia and Czech Republic (F); Albinas Auskalnis for the Baltic States (G); Ahmet Uludag, Garifalia Economou and Baruch Rubin for Turkey, Greece and Israel (H). All presentations prepared for this meeting can be looked at on the working group website:

<http://www.ewrs.org/weedmapping/default.asp> under "Reports"



This website has already gained popularity now that it has been visited by more than 800 visitors since its establishment in March.

The first steps of the regional coordinators was to find colleagues in their regions who are involved in weed mapping and who could contribute to the team. Region A: 9, B: 5, C: ~10, D: 5, E: 6, F: 13, G: 3, H: ~10. A number of colleagues had already expressed their interest to join the group via e-mail (from Portugal, France, the Netherlands and UK e.g.).

The group is still in a phase of consolidation. Kirstin Hanzlik asked the following questions when approaching her regional counterparts:

1. Do you think the first drafts of Hansjörg Krähmer represent the weed situation in the major crops in your country?
2. Third important grass and dicot species are not presented yet - Which species would that be for your country in your opinion?
3. Future maps are planned to show more detailed information for each country. I could imagine there are regional differences in the weed species distribution and/or level of infestation. Do you know of or can you even provide more detailed (recent) data?

This led to the proposal to give all regional coordinators a set of questions that could help in steering the process of establishing the working group.

It was suggested to hold a working group meeting in 2011. In the meantime it became obvious that region H will meet somewhere in the Mediterranean area and that a northern working group meeting will be organized in Jokioinen, Finland, from September 21 to 23. Jukka Salonen will host the meeting together with Terho Hyvönen. H. Krähmer has a list of around 50 group members and associated colleagues who will be informed by e-mail on a regular basis. Major events and decisions will be posted on the working group website.

## 2<sup>ND</sup> INTERNATIONAL WORKSHOP ON INVASIVE PLANTS IN THE MEDITERRANEAN TYPE REGIONS OF THE WORLD

2-6 August 2010  
Trabzon, Turkey

Lush and green prairies throughout the year, rocky mountains, the cool waters of the coast and the plantations of tea, hazelnuts, tobacco and corn: the Black Sea is a unique part of Turkey. Farming is very important thanks to the high annual rainfall. In summer, the roadsides are lined with hazelnuts drying in the sun. The culture, the gastronomy, the climate and even the dialects are different from the rest of Turkey. Trabzon is an important commercial port on the Black Sea, and it connects with other ports in Black Sea countries. Giresun is a small beautiful town about 175 km west of Trabzon and was known to the ancient Greeks as Cerasus. The English word cherry has been identified with Cerasus. This is where the Roman general Lucullus saw cherries for the first time, and liked them so much he introduced them to Europe.

The workshop was well organized by the European Plant Protection Organization under the lead management of Ms. Sarah Brunel, in cooperation with European Environment Agency, Council of Europe and Turkish partners represented by Mr. Ahmed Uludag. Beside 36 oral presentations and 39 posters, participants had the possibility in 12 small workshops to deepen special themes like "Building an Early Detection Rapid Response (EDRR)" or "Implementing Codes of Conduct on Horticulture and Invasive Plants" or "Building a Network for the Control of *Ambrosia* sp. in the Mediterranean". All the contributions will be available in the internet; see page (EPPO workshop in Trabzon). Mediterranean type regions are found all over the world. This is why the participants came from all continents.

The range of presentation offered was very wide: from richness of Turkish flora, niche modeling in invasive plants in Chile, impacts of global change on plant life, allelopathic mechanisms employed by exotic plants, code of conduct on horticulture and invasive plants, role of European Food Safety Authority (EFSA), Bern Convention on invasive alien plants, EPPO activities, IUCN experiences on early warning and information system, NOBANIS gateway, results of a survey in the Mediterranean countries, the role of European Environment Agency (EEA), molecular research as tool for managing biological invasions, prioritization of potential invasive alien species, reports from countries as Armenia, Australia, France, Greece, India, Israel, Italy, Morocco, Portugal, South Africa, Sudan, Switzerland, Tunisia, Turkey and US to invasive weedy rice in Malaysia. The workshop provided excellent opportunities for exchanging professional and individual information with colleagues from all parts of the world.



Photo Nr. 1: Mr. Necmi Aksoy presenting the invasive alien weed *Polygonum perfoliatum* to the participants of the Trabzon Workshop.

One important outcome of the workshop was the information on early detection and rapid response. It seems that especially rapid response is always the weak point of the human answer to a beginning invasion. A proper early detection would include the assessment of occurrence of new propagules and invaders and a framework of rapid response. During the workshop two excursions were made. Both were professionally organized by Mr. Necmi Aksoy from the Forest Faculty of the Düzce University. He guided the participants bravely in the great heat of Black Sea summer and pointed on invasive plants along road- and country sides. It was astonishing for the reporting person to realize that landscape and vegetation in this part of Turkey are very similar to the Swiss Alpine regions. The relief and the composition of vegetative zones are very similar. Plant species are certainly different, but their task for being

may be the same. Surprising was also the fact that traditional houses resembles in shape and proportions to the traditional houses in Central Europe.



Photo Nr. 2: Prof. Salih Terzioglu from Karadeniz Technical University, Faculty of forestry in Trabzon guiding participants of the Trabzon Workshop through the botanical garden of the University and pointing on *Quercus pontica*.



Photo Nr. 3: EWRS subsidized young 4 scientists (from the left to the right on the above photo): Ms Mitra Ghotbi from the Department of Agronomy, Faculty of Agricultural Sciences of the University of Shahed, in Tehran, Iran; Mr. Peiman Molaei of the T.R. EGE University, Graduate School of Natural and Applied Sciences in Bornova Izmir, Turkey; Ms Martha Okumu, MSc. Plant Protection, University of Pannonia, Hungary; Ms Mildred Quaye from the Robert H. Smith Faculty of Agriculture, Food and Environment of the Hebrew University of Jerusalem in Israel; Ms Genevieve Thomson from the Centre for Invasion Biology (CIB), Department of Botany and Zoology of the Stellenbosch University in South Africa.

The small workshop on Building a network for the control of *Ambrosia artemisiifolia* was attended by 12 participants from a wide range of countries including Chile, France, Hungary, India, Israel, Italy, Serbia, South Africa and Switzerland. The participants shared experiences on the presence of *A. artemisiifolia* in their respective countries. This included the different entry pathways, allergenic effects of the pollen on human, control methods being employed in the management of the weed, and presence or absence of networks of experts to tackle the plant in the various countries. The pathways of entry of *A. artemisiifolia* seeds in the countries include: water courses, bird mixtures (sunflower seeds) and human helped spread pathways like transport by construction machines, agricultural products and machinery/equipment.

The participants identified the need for more information on the following topics:

- Pollen distribution in the air and its allergenic effects.
- Monitoring and control methods (strategies) for this weed.
- Biological control agents – how to use, when and where; since the implementation part is very important.
- Mapping – production of a single map showing the distribution of the weed in the Mediterranean region climate.
- Other invasive and problematic *Ambrosia* species, other than *A. artemisiifolia*.

The small workshop ended with the remark that Integrated Pest Management methods was the best approach for the control of *A. artemisiifolia* in the Mediterranean region. It was agreed that networking for the control of *A. artemisiifolia* in Mediterranean region was a noble idea. The existing networks include the European Weed Research Society (Invasive Plants Working Group) and the International Ragweed Society (not yet well established). It was suggested that the exchange of email addresses and

constant communication and sharing of information will enhance networking among participants. This was to be reinforced by the creation of a Google Group account for the participants.

Christian Bohren, Agroscope ACW (all Photos)  
Martha Okumu, Pannonian University  
Ahmet Uludag, European Environment Agency

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## MEMBER CONTRIBUTIONS

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### HISTOLOGY OF *APERASpICA-VENTI* L.

Dear Colleagues,

*Aperaspica-venti* (L.) P. Beauv. syn. *Agrostis spica-venti* L. or silky bentgrass is one of the most common cereal weeds in central Europe as shown on the web site of our Weed Mapping Working Group

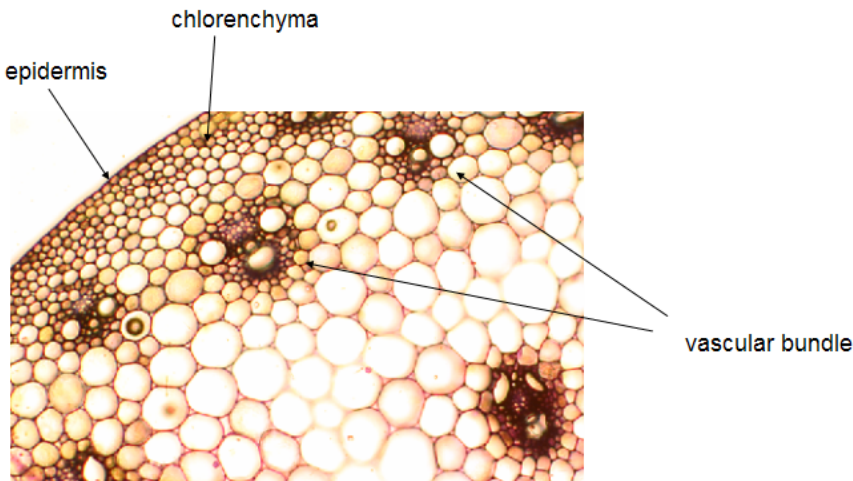
[http://www.ewrs.org/weedmapping/docs/EWRS\\_Weed\\_Mapping\\_Kaposvar\\_2010\\_Report\\_Kraehmer.pdf](http://www.ewrs.org/weedmapping/docs/EWRS_Weed_Mapping_Kaposvar_2010_Report_Kraehmer.pdf). Its Bayer code is APESV. Resistance to a number of herbicides is well documented, e.g. ACCase resistance, ALS resistance and others. It is rather easy to control silky bentgrass by a number of herbicides with different modes of action i.e. this weed is economically not as important as blackgrass which is much more difficult to control.



*Aperaspica-venti* (L.) P. Beauv. in winter wheat near Frankfurt.

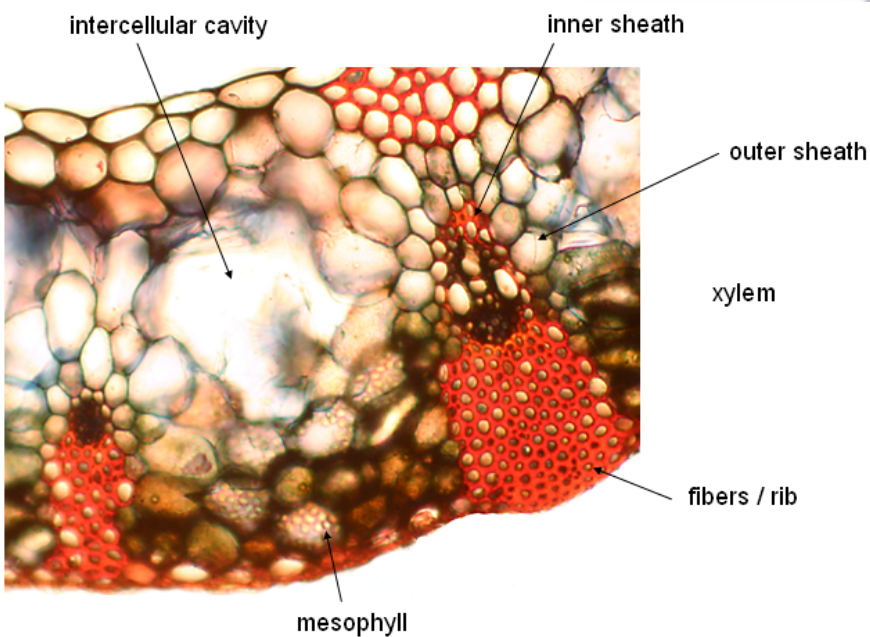
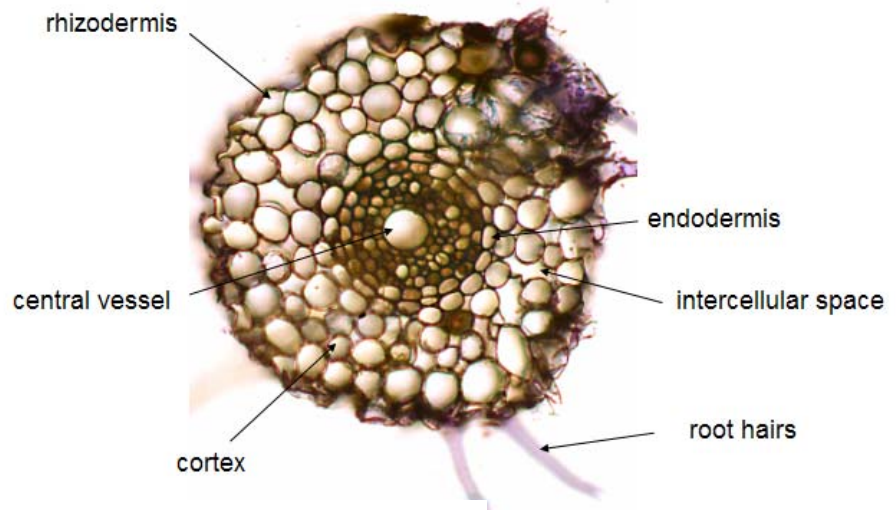


*Aperaspica-venti* (L.) P. Beauv. in winter barley near Frankfurt.



Vascular bundles are almost equally distributed over the transverse section of a stem.

Typical of silky bentgrass roots is a central vessel like in other grass weeds of temperate zones such as blackgrass, annual meadow-grass and rye-grass.



A transverse section through a leaf of silky bentgrass shows ribs consisting of fibers (red). They protect vascular bundles located in the middle of the section. These bundles are typical of C<sub>3</sub> grass leaves. They are surrounded by an outer sheath and an inner sheath or mesotome sheath that is lignified. Large intercellular cavities offer a surface for gas exchange.

This contribution is only a short one as I will also report in this issue on the weed mapping workshop in Kaposvar.

My next weed anatomy report

will be devoted to *Avena fatua* L. and *Avena sterilis* L.

Hansjörg Krähmer

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## **CALL FOR CONFERENCES**

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### **21<sup>ST</sup> COLUMA CONFERENCE; INTERNATIONAL MEETING ON WEED CONTROL**

8-9 December 2010  
Dijon, France

Special emphasis will be put upon current areas of interest: evolution in plant protection legislation and impact on weed control, biodiversity, present and future solutions to prevent pollution in air, soil and water, genetic resistance of cultivated plants. The session tropical and Mediterranean Crops will be organized in cooperation with the French-speaking Association for Plant Protection (AFIPP), and a special attention will be paid to the weed management in the concerned areas. More information can be found on the following website: <http://www.afpp.net/calendrier.htm>

### **CROP PROTECTION IN SOUTHERN BRITAIN 2011**

23-24 February 2011  
Holiday Inn, Impington, Cambridge

The conference, which is the third in this series, will provide a major platform for the dissemination of recent developments in crop protection and production research and practice with a focus on dissemination to advisors and practitioners. Papers are likely to range in content from those with a high biological science focus, to those that report new options for chemical or non chemical control or address key practical issues for crop production, fertiliser, weed, pest and disease management in crops.

Themes that are likely to feature throughout the sessions include:

- Understanding and responding to pesticide resistance
- Implications of the loss or potential loss of approval for key pesticide active ingredients
- The role of non-chemical measures to support and sustain pesticide control measures
- Implications of the Water Framework Directive and NVZ designation for fertiliser management
- Optimising nitrogen management to reduce farm fertiliser bills
- Optimising the field management of pesticides
- New active ingredients and their role in future crop protection systems
- Impact of climate change and crop management on weeds, insects and diseases and their management

Sessions are likely to be arranged around the following topic areas:

- Regulatory, environmental, economic and consumer considerations for future crop protection
- Disease management in combinable crops
- Optimising nitrogen management for yield, quality and environmental protection goals
- Weed control in combinable crops
- Insect control in combinable crops
- Crop protection in root crops
- Crop protection in horticultural crops

Invited speakers: Stephen Moss (Rothamsted Research, UK) - herbicide resistance  
Anne-Sophie Walker (INRA, Versailles, France) - fungicide resistance

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## **4<sup>TH</sup> WORKSHOP OF THE EWRS WG WEEDS AND BIODIVERSITY**

Dijon, France  
28 February - 2 March 2011

The 4<sup>th</sup> meeting of the Working Group 'Weeds and biodiversity' will be held in Dijon, France, 28 February to 2 March 2011.

### **Aim**

The aim of the meeting is to present the state of the art on current research, evaluation and preparation of agro-environmental measures with regard to the services provided by biodiversity in the agro-ecosystems and their conservation. The purpose is to exchange results, experience, information, establish networks, and stimulate discussion.

Two introductory lectures on sampling strategies and economic aspects will open the discussion. We invite you to propose topics for round tables (such as landscape scale analysis, functional biodiversity and database, seed predation etc). Oral and poster sessions will be organized on round tables topics as well as on cropping systems, bio-indicators, management and any other themes related to weeds and biodiversity.

### **Venue**

The Workshop meeting will take place at AgroSupDijon (College of Agronomy, on the campus of the University of Burgundy). Dijon is easy to reach, less than 2 hours by train from Paris and Lyon. Some low-cost airline companies land at Dijon-Longvy airport.

The meeting will start with lunch on Monday and finish at dinner on Wednesday. An optional train session on seed predation methods and research will be organised on Thursday morning, 3 March. A limited number of low cost rooms in a student residence will be available on the campus. A list of hotels is included in the 2<sup>nd</sup> circular.

### **Scientific Programme**

Oral sessions will be preferentially organized on the following themes:

- Session 1. Economic value of weeds and biodiversity, regulations, and societal challenges
- Session 2. Sampling strategies to assess biodiversity of weeds and associated organisms at field and landscape scales.
- Session 3. Ecological services of weeds on pollination, hosted organisms, etc.
- Session 4. The role of seed predators in regulating arable weeds.

Adam Davis will give a key-note presentation on Wednesday morning.

Posters will be on display for the duration of the meeting to stimulate discussions at coffee breaks and during a special poster session.

### **Registration**

Registration fee is € 100 for EWRS members, € 130 for non-members, and 50 € for students. The registration fee will cover the costs for the proceedings, bus transfer to the INRA experimental station, three lunches, coffee breaks, wine tasting and Tuesday dinner.

Expression of interest can still be sent to Henri Darmency ([henri.darmency@dijon.inra.fr](mailto:henri.darmency@dijon.inra.fr)). Registration and abstract submission will open online at <http://www.ewrs.org/biodiversity> from 1<sup>st</sup> November 2010 until 10 December 2010. Please visit the web site for details:

<http://www.ewrs.org/ewrslgin/login.asp>. You will have to indicate whether you are a student or an EWRS member, and whether you prefer to present a poster or an oral presentation. We will take your preference into account, but cannot guarantee oral presentations in all cases. There will also be an option to register for a special training session for students or interested participants. This training session will take place the day after our workshop, on Thursday, March 3<sup>rd</sup> 2011.



### **Important dates and deadlines**

- Any time: expression of interest by sending an e-mail to Henri Darmency ([henri.darmency@dijon.inra.fr](mailto:henri.darmency@dijon.inra.fr))
- 1 November – 10 December 2010: registration and submission of abstracts online.

Please go online at: <http://www.ewrs.org/biodiversity> to keep up to date and view the circulars and more detailed information concerning the Workshop. The 2<sup>nd</sup> Circular is now available!

We look forward to receiving your contributions and hope you will be able to join us in Dijon!

Local organizers: Bruno Chauvel, Henri Darmency, Fabrice Dessaint, Sabrina Gaba, Sandrine Petit.

EWRS working group: Bärbel Gerowitt.

### **9<sup>TH</sup> WORKSHOP OF THE EWRS WORKING GROUP PHYSICAL AND CULTURAL WEED CONTROL**

28-30 March 2011

Samsun, Turkey

As announced in the previous Newsletters (no. 109 and 110), we will have the 9<sup>th</sup> workshop in March 2011 in Samsun, Turkey. The dates have now been determined and the event will take place from Monday the 28<sup>th</sup> of March to Wednesday the 30<sup>th</sup> of March, 2011. As usual, we will arrange a welcome drink on Sunday evening (the 27<sup>th</sup> of March). Hüsrev Mennan from Ondokuz Mayıs University in Samsun has kindly offered to host the workshop. Samsun is located at the Black Sea, approximately midway between the western and eastern borders of Turkey.

Hüsrev Mennan, Daniel Cloutier and I have produced a first circular with more details on the programme, submission of abstracts, accommodations, the venue etc. The circular can be uploaded from the working group's web site: <http://www.ewrs.org/pwc/>. If you have problems in doing so, you can contact either Hüsrev Mennan ([hmennan@omu.edu.tr](mailto:hmennan@omu.edu.tr)) or me ([bo.melander@agrsci.dk](mailto:bo.melander@agrsci.dk)) and we will e-mail you the circular.

Bo Melander

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### **11<sup>TH</sup> WORLD CONGRESS ON PARASITIC PLANTS**

7-12 June 2011

Martina Franca, Italy

We are pleased to invite you to the 11<sup>th</sup> World Congress on Parasitic Plants, that will be held from 7 to 12 June 2011 in Martina Franca, Italy. The Congress continues a long tradition of regularly assembling the world's experts on parasitic plants for professional and scientific meetings, which started in 1973 with the first international meeting in Malta.

#### **Dates and location**

The Congress will be held from in Martina Franca, a very nice small town located in South Italy, around 70 Km from Bari, in the heart of the Itria Valley, famous worldwide for the Trulli, the typical buildings recognized as World Heritage by UNESCO. The Congress will be held at the Park Hotel San Michele, an historic and fascinating hotel surrounded by a nice garden, located very close to the old city.

#### **Topics**

Contribution and participation from researchers on any weedy and non-weedy parasitic plants is encouraged. The program will consist of oral presentations and posters. Oral presentations will be

invited or selected from submitted preliminary abstracts. Topics will include but are not limited to the following:

- Evolution and phylogeny of parasitic plants
- Parasite biochemistry and physiology (including molecular biology)
- Floral biology
- Ecology and population biology of parasitic species
- Host parasite communication (including germination stimulation, haustorial induction, etc.)
- Host and non-host response to parasitism
- Parasitic weed management
- Regulation and phytosanitation
- Parasitic plant genomics
- Geographical Information System (GIS) and modelling in parasitic weeds
- Crop resistance to parasitic weeds and crop breeding
- Any other aspects, descriptions, approaches and ideas related to parasitic plants

## **Symposia**

The Scientific Committee encourages congress participants to propose topics for special symposia that will be held during the congress. The proposed topics should be considered as the "state of art" in any field of parasitic plants research. Proposals including title, abstract (limited to 100 words) and a list of (4-6) invited speakers should be sent to the Scientific Chair (eizenber@agri.gov.il) before November 1<sup>st</sup>, 2010.

## **Registration**

The registration fee will be kept as low as possible, and in line with the previous World Congresses on Parasitic Plants. The local organizers will assure the success of the congress by organizing high quality accommodation, food and services for attendees and accompanying persons. The registration fee will include access to the conference sessions and exhibition, accommodation in single, double or triple rooms for 4 days, full-board service including breakfasts, lunches and dinners, mid session refreshments gala dinner, half-day field/tourist excursion, transportation from the Bari airport to the venue and return delegate pack, one copy of the proceedings.

## **Information**

Information can be found at the official Website of the Congress at: <http://ipps2011.ba.cnr.it>

Please visit it regularly, or pre-register to receive updates on all the news about the Congress. Further information can be obtained from the local organizer, Maurizio Vurro (Institute of Sciences of Food Productions, National Research Council, Bari, Italy; e-mail: [maurizio.vurro@ispa.cnr.it](mailto:maurizio.vurro@ispa.cnr.it)). Any information about accommodation, tours, location, etc. can be required to the following email address: [ipps2011@area.ba.cnr.it](mailto:ipps2011@area.ba.cnr.it).

## **Deadlines**

- March 1<sup>st</sup> 2011 - Abstract titles submission
- April 1<sup>st</sup> 2011 - Early registration
- April 15<sup>th</sup> 2011 - Abstracts to be considered for oral presentation
- May 1<sup>st</sup> 2011 - Abstract submission
- May 27<sup>th</sup> 2011 – Registration

## **RESISTANCE 2011**

Rothamsted Research, Harpenden, UK  
5-7 September, 2011

This major international conference, the sixth in an ongoing series, will review the latest research on the origins, nature, development and prevention of resistance to insecticides, fungicides and herbicides. It will provide a forum for researchers, consultants, regulators and industrialists to present and discuss

approaches to overcoming this increasingly important constraint to effective crop protection. Themes will include:

- The current status of resistance to pesticides
- Resistance mechanisms
- Population biology and modelling
- Applications of genomics
- Risk assessment and regulation
- Transgenic crops

For information see:

<http://www.rothamsted.bbsrc.ac.uk/Research/Centres/Content.php?Section=Research&Page=Resistance2011>

The conference will be held at Rothamsted Research, West Common, Harpenden, Hertfordshire.

For any additional information, contact:

Stephen Moss, Rothamsted Research [stephen.moss@bbsrc.ac.uk](mailto:stephen.moss@bbsrc.ac.uk)

## **2<sup>ND</sup> WORKSHOP OF THE EWRS WORKING GROUP ON WEED MAPPING**

21-23 September 2011

Jokioinen, Finland

The 2<sup>nd</sup> workshop of the EWRS Working Group 'Weed Mapping' will be held in Jokioinen, Finland, 21-23 September 2011.

### **Aim**

The aim of the workshop is to learn about the latest weed mapping activities in Europe. This includes micro- (plots, small areas) and macro-mapping projects (regions, countries). Methodology should receive special attention as we would like to find tools which allow us to combine data for a European overview of weed distribution and to derive conclusions and trends from our existing data. Contributions will not be restricted to weed mapping in agriculture only.

The workshop aims to be informal and to stimulate discussion among participants. We will combine plenary scientific sessions with oral and poster presentations and round-table discussions. The offered contributions will be available in the book of Abstracts and later on as Proceedings file at the working group's web site.

### **Venue and general information**

The Workshop will take place at MTT Agrifood Research Finland in Jokioinen. MTT's headquarters are located in Jokioinen, south-western Finland. Please visit [www.mtt.fi](http://www.mtt.fi).

The venue is easy to reach by bus from the Helsinki airport. The meeting will start on Wednesday evening with registration and get-together, continues with a full-day programme on Thursday and is planned to finish after lunch on Friday.

The estimated cost of the registration will be 150 €. Non-EWRS members will be charged 210 € (includes EWRS membership fee for one year i.e. 60 € in 2011). Cost of a single room in the nearby city of Forssa is 50-70 €/night. Please note that EWRS can offer some travelling scholarships for young scientist who would like to attend the workshop.

## **Registration**

The pre-registration with the offers of contributions will start at the working group's web site in mid-November with the deadline of 31 January 2011.

Detailed information available in the 1<sup>st</sup> Circular at <http://www.ewrs.org/weedmapping/>  
We look forward to receiving your contributions and hope to meet you in Finland!

On behalf of the organizing team:

Scientific organizer and Chairman of the Working Group:

Hansjörg Krähmer ([hansjoerg.kraehmer@bayercropscience.com](mailto:hansjoerg.kraehmer@bayercropscience.com))

## **3<sup>RD</sup> SYMPOSIUM ON ENVIRONMENTAL WEEDS AND INVASIVE PLANTS**

2-7 October 2011  
Ascona (Ticino), Switzerland

Central themes of the Symposium will be: Mapping, Early Detection, Public Relation, Funding, Control Methods. For more information on this event, please contact [christian.bohren@acw.admin.ch](mailto:christian.bohren@acw.admin.ch)

## **6<sup>TH</sup> WORLD CONGRESS ON ALLELOPATHY**

15-19 December 2011  
Guangzhou, China

The 6<sup>th</sup> World Congress on Allelopathy will be held in Guangzhou, China from December 15 to 19, 2011. The World Congress of Allelopathy (WCA) is a formal academic conference organized by the International Allelopathy Society every three years. Recent trends in sustainable development and advances in research methodology have helped to make allelopathy a rapidly growing research field throughout the world. The 6<sup>th</sup> WCA will provide an excellent opportunity for exchanges between those who are interested in allelopathy.

The city of Guangzhou is the southern gate of China with a subtropical climate. Because beautiful flowers can be grown year round in Guangzhou, it is called the "Flower City". You are warmly welcomed by your hosts in Guangzhou!

For more information go to:

<http://www.international-allelopathy-society.org/main/WCA/index.html>

The first circular is at:

<http://www.international-allelopathy-society.org/main/WCA/WCA.pdf>

## **ASSOCIATION OF APPLIED BIOLOGISTS CONFERENCES**

The following list of conferences is among the ones proposed by the Association of Applied Biologists:

### **17 November 2010**

Advances in Biological Control at: The Olde Barn Hotel, Marston, Lincs

### **25 November 2010**

Innovative ideas in pest and weed control in field vegetables at: Rothamsted Research, Harpenden, UK

Invited speaker: Dr Rosemary Collier (Warwick HRI)

### **7-8 December 2010**

What makes an alien invasive? Risk and policy responses at: The George Hotel, Edinburgh

### **9 February 2011**

Interaction of Pesticide Application and Formulation on Residues in Fruit and Vegetables at: Syngenta, Jealott's Hill, Berks

**23-24 February 2011**

Crop Protection in Southern Britain at: The Holiday Inn, Impington, Cambridge, UK

**14-15 April 2011**

Systems Approaches to Crop Improvement at: Rothamsted Research, Harpenden, UK

**27-28 April 2011**

Vegetation Management at: Sheffield Hallam University, Sheffield, UK

**28-29 June 2011**

GM Crops: From Basic Research to Application at: Rothamsted Research, Harpenden, UK

More information can be found on the following website:

[www.aab.org.uk/contentok.php?id=184&basket=wwsshowconflist](http://www.aab.org.uk/contentok.php?id=184&basket=wwsshowconflist)

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## **UPCOMING CONFERENCES AND WORKSHOPS**

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### **CANADIAN WEED SCIENCE SOCIETY ANNUAL MEETING**

16 – 18 November 2010

Regina, Saskatchewan, Canada

<http://www.weedscience.ca>

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### **21<sup>ST</sup> COLUMA CONFERENCE; INTERNATIONAL MEETING ON WEED CONTROL**

8-9 December 2010

Dijon, France

<http://www.afpp.net/calendrier.htm>

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### **WEED SCIENCE SOCIETY OF AMERICA ANNUAL MEETING**

7 – 10 February 2011

Portland, Oregon, USA

<http://www.wssa.net>

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

28 February -2 March 2011

Dijon, France

<http://www.ewrs.org/biodiversity;henri.darmency@dijon.inra.fr>

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### **9<sup>TH</sup> WORKSHOP OF THE EWRS WORKING GROUP PHYSICAL AND CULTURAL WEED CONTROL**

28–30 March 2011

Samsun, Turkey

[bo.melander@agrsci.dk](mailto:bo.melander@agrsci.dk)

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### **63RD INTERNATIONAL SYMPOSIUM ON CROP PROTECTION**

24 May 2010

Ghent University, Ghent, Belgium

<http://www.iscp.ugent.be>

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### **11<sup>TH</sup> WORLD CONGRESS ON PARASITIC PLANTS**

7-12 June 2011

Martina Franca, Italy

[ipps2011@area.ba.cnr.it](mailto:ipps2011@area.ba.cnr.it); <http://ipps2011.ba.cnr.it>

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**NEW ZEALAND PLANT PROTECTION SOCIETY MEETING**

9 – 11 August 2011  
Rotorua, New Zealand  
<http://www.nzpps.org>

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**23RD ASIAN-PACIFIC WEED SCIENCE SOCIETY CONFERENCE: "WEED MANAGEMENT IN A CHANGING WORD"**

25 – 30 September 2011  
The Sebel, Cairns, Australia  
<http://www.apwss2011.com>

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**3<sup>RD</sup> SYMPOSIUM ON ENVIRONMENTAL WEEDS AND INVASIVE PLANTS**

2-7 October 2011  
Ascona (Ticino), Switzerland  
[christian.bohren@acw.admin.ch](mailto:christian.bohren@acw.admin.ch)

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**WEED SCIENCE SOCIETY OF AMERICA ANNUAL MEETING**

6– 9 February 2012  
Big Island, Hawaii, USA  
<http://www.wssa.net>

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**VI<sup>TH</sup> INTERNATIONAL WEED SCIENCE CONGRESS (IWSC): DYNAMIC WEEDS, DIVERSE SOLUTIONS**

17– 22 June 2012  
New Century Grand Hotel, Hangzhou, China  
<http://www.iwss.info>

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**18<sup>TH</sup> AUSTRALASIAN WEEDS CONFERENCE**

8– 11 October 2012  
Sebel and Citigate Albert Park, Melbourne, Australia  
<http://www.18awc.com>

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## EDITORIAL

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### INSTRUCTIONS FOR CONTRIBUTORS

**Deadline for contributions to be published in the following Newsletter issue:  
1 January 2011**

#### Photographic images

It is possible to include photographic material. Photographs can be processed and scanned. Pictures can be sent as negatives, positives (slides with and without frames) and as original pictures. The easiest to handle are digital pictures, which can be reproduced of a higher quality within the Newsletter. Please make sure that these images are taken at no less than 300 dpi otherwise the picture quality drops.

#### 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.

Camilla Moonen.

### CHARGES FOR ADVERTISING MATERIAL IN THE NEWSLETTER

#### Advertisements in the Newsletter

The rate for an advertisement in all four editions of a year is € 400,00 / year / page. Reductions can be negotiated with the Newsletter editor for half page adverts. Maximum 4 pages of adverts in each issue.

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Hansjörg Krähmer (left) and Ben Post (right) during the Board meeting at the Symposium in Kaposvár, Hungary (picture Andrej Simončič).

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2010-2011

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EWRS Board meeting during the Symposium in Kaposvár, Hungary (picture Andrej Simončič).