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Association Européenne pour l'Amélioration des Plantes

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**EUCARPIA** aims at promoting scientific and technical co-operation in the field of plant breeding in order to foster its further development. To achieve this purpose, the Association arranges and sponsors meetings of its members to discuss general or specific problems. Each year, EUCARPIA organizes open conferences and colloquia throughout Europe. Founded at Wageningen (The Netherlands) in 1956 as a non-profit organization, EUCARPIA has made considerable contributions to improving international contacts in plant breeding research. EUCARPIA has 11 sections and a number of working groups active in specific fields of interest.

**EUCARPIA** has individual members (qualified scientists in the field of plant breeding) and corporate members (research institutes, breeding stations, associations, societies etc.). A corporate membership is a collective membership for at most 10 persons.

To become a member of EUCARPIA, visit our website [www.eucarpia.org](http://www.eucarpia.org) and register online.

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\*to be confirmed by the General Assembly

## PRESIDENTIAL ADDRESS

The years between two General Congresses are usually quite busy for the sections of EUCARPIA with holding Section or Working Group meetings. This is especially true for 2015. Section or Working Group meetings will be held in 9 out of our 11 sections. I thank all the section leaders and organisers of these meetings for keeping the spirit of EUCARPIA alive, and for ensuring the continuity in our task of joining breeders and academic researchers together for a vivid exchange of results and ideas. I am particularly pleased that the Oil and Protein Crops section will hold two meetings in 2015, one Working Group Meeting devoted to Protein Crops in May, and a Section Meeting in November. These will be the first activities of the section since 2007.

Both in 2014 and 2015, a trend has continued to hold EUCARPIA meetings in connection with dissemination events held in the framework of European projects. This reflects our strong position in the European plant research landscape as a bridge between scientists advancing our knowledge and discovering new technologies, and breeders using these advances for application in sustainable agriculture. Consequently, EUCARPIA keeps being a good partner for consortia in research programs, where showing good ways how to disseminate the results is an increasingly important element of success in project submissions.

In the past years, the term “New plant breeding techniques” has become common sense to summarize the most recent technological advances such as next generation and whole genome sequencing, high throughput phenotyping, the new wave of using mutagenesis through TILLING, or emerging possibilities of targeted genome editing through CRISPR-associated nucleases, thought to lead to a revolution in plant breeding. After “first generation” GMOs have obviously failed to produce the revolution which had been forecast by their promoters, we as plant breeders remain cautious when predicting the real impact of these techniques on the development of the cultivars of tomorrow. Concepts to use the “New Plant Breeding Techniques” in a way that sensibly complements the highly successful classical plant breeding methods, for the most part, need yet to be developed. Plant breeding will remain both a science and an art – “The art of bringing science to life”, as we put it in the motto of the next General Congress. This is why the exchange of knowledge and joint development of creative ideas among all actors around the wider field of plant breeding is so important.

We cordially invite you to join us for the General Congress of EUCARPIA, 29 August to 1 September 2016 in Zurich, Switzerland. The scientific program will focus on themes that will attract plant scientists and breeders with the common goal of putting advances in all related fields to work in novel cultivars. Save the date in your agendas to come and pass a fruitful and enjoyable week in the heart of Europe!



Beat Boller

EUCARPIA President

## SECTION REPORTS

### a. Potatoes

The next joint triennial meeting of Section Potatoes and the EAPR Breeding and Varietal Assessment on the EUCARPIA was originally due to be held in 2016. However, while discussing a date for the meeting at the EAPR Congress in Brussels last year, it was noticed that this would clash with the EUCARPIA Congress which is scheduled in 2016. Since it is the general policy of the organisation to avoid holding Section meetings too close to the Congress, it was decided amongst EAPR members and available EUCARPIA members to schedule the conference for late 2015 instead.

Thus, I'd like to announce that the 18th Joint Meeting of EAPR Breeding and Varietal Assessment Section and EUCARPIA Section Potatoes will take place between November 15th – 18th, 2015 at the Hotel Equa, Vico Equense, (near Sorrento), Italy. The Section would like to extend its thanks to Domenico Carputo, Università degli Studi di Napoli Federico II, for agreeing to host the meeting.

The theme of the meeting, and details regarding registration deadlines will be announced on the EUCARPIA website and via email circular in the near future. I hope Section Potatoes members will continue to support this successful and stimulating meeting series with your attendance. See you in Italy!

Dan Milbourne, Section Chairperson, [dan.milbourne@teagasc.ie](mailto:dan.milbourne@teagasc.ie)

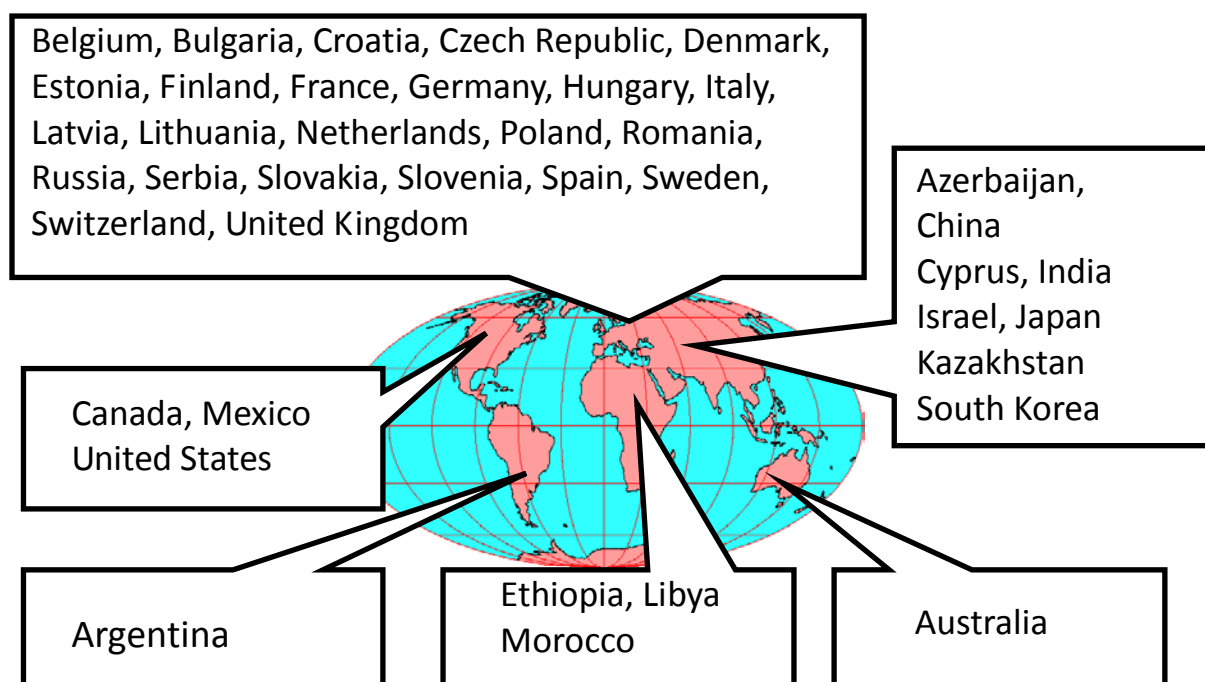
### b. Cereals

#### EUCARPIA Section Cereals Meeting

The Section Cereals Meeting took place in Wernigerode, Germany from June 29 to July 4, 2014. This was an EUCARPIA – ITMI (International Triticeae Mapping Initiative) joint conference entitled:

‘Cereals for Food, Feed and Fuel - Challenge for Global Improvement’.

In total 333 participants from 40 countries representing 6 continents attended.



During seven sessions (Genetic resources - Grain yield - Biotic stress resistance - Abiotic stress resistance - Quality for food and industrial use - Mapping, cloning and beyond - Future challenges and innovations) 80 oral presentations and 192 posters were provided.

Invited keynote speakers were:

- Zoltan Bedő, Hungary
- Andreas Graner, Germany
- Heinrich Grausgruber, Austria
- Takao Komatsuda, Japan

- Evans Lagudah, Australia
- Frank Ordon, Germany
- Silvio Salvi, Italy
- Peter Wenzl, Mexico

At the business meeting on July 1, Andreas Börner was re-elected as Chair of the Section Cereals. It was proposed that the next meeting of the section will be organised by Gilles Charmet in Clermont-Ferrand, France in 2018. The proposal was accepted by the participants during the closing session.



#### Future meetings

From May 24 – 29, 2015 a joint EWAC (The European Cereals Genetics Co-operative) -EUCARPIA Cereals Section Conference which will be held in Lublin, the main scientific and cultural center in Eastern Poland. EWAC - formerly standing for "European Wheat Aneuploid Co-operative" is a platform for researchers developing and using cereal stocks for genetic studies employing molecular techniques. EWAC co-ordinates and promotes the development of new precise genetic stocks as well as the exploitation of existing ones built up over five decades of research. Members of the International Organizing Committee are Andreas Börner (Germany), Krzysztof Kowalczyk (Poland), Tatyana Pshenichnikova (Russia), John Snape (UK), Victor Korzun (Germany) and Michał Nowak (Poland). Details about the Co-operative and the upcoming conference are accessible at the webpage [www.ewac.eu](http://www.ewac.eu). In case of any questions concerning Conference, please contact: [ewac2015@up.lublin.pl](mailto:ewac2015@up.lublin.pl).

A joint DROPS (Designing new plants for drought-prone environments Drought-Tolerant Yielding Plants) – EUCARPIA Cereals Section Conference will be held in Montpellier, France, June 8-9, 2015. This conference will be an excellent opportunity to exchange the recent knowledge on drought in cereals including maize and sorghum. The International Scientific Committee consists of F. Tardieu (France), X. Draye (Belgium), A. Charcosset (France), G. Hammer (Australia), B. Ussadel (Germany), R. Tuberosa (Italy), C. Welcker (France), A. Börner (Germany), D. Simic (Croatia) and B. Boller (Switzerland). For more details please check: <http://www.dropsproject.eu/> or <http://www.eucarpia.org/>.

The International Conference on Rye Breeding and Genetics will be organized under the umbrella of the EUCARPIA Cereals Section at the Wrocław University of Environment and Life Sciences in Wrocław, Poland from June 24 – 26, 2015. The scientific sessions of the Conference will be:

- Thirty years of hybrid rye cultivars
- General breeding methods
- Genomic prediction and selection
- Emerging molecular tools
- Use of genetic resources and cytogenetics
- Disease resistance and tolerance to abiotic stresses
- Nutritional and technological quality



For further information please contact Prof. Thomas Miedaner:  
[Thomas.Miedaner@uni-hohenheim.de](mailto:Thomas.Miedaner@uni-hohenheim.de).

From May 25-28, 2016 the 9<sup>th</sup> International Triticale Symposium will be jointly organized with the EUCARPIA Cereals Section in Szeged, Hungary. Members of the International Organizing Committee are: Lajos Bona (Hungary), Janos Pauk (Hungary), Zoltan Bedo (Hungary), Geert Haesaert (Belgium), Veerle Derycke (Belgium), Edward Arseniuk (Poland), Sofia Banaszak (Poland), Andreas Börner (Germany), George Ittu (Romania), Annaig Boguennec (France), Karim Ammar (Mexico), Rishi K. Behl (India), Williem Botes (South Africa), Richard Trethowan (Australia), Francois Eudes (Canada), Rawindra N. Chibbar (Canada) and Perry Gustafson (USA). A Website of the Symposium will be launched in spring 2015. For further information please contact Dr. Lajos Bona:  
[lajos.bona@gabonakutato.hu](mailto:lajos.bona@gabonakutato.hu).

Andreas Börner, Section Chairperson, [boerner@ipk-gatersleben.de](mailto:boerner@ipk-gatersleben.de)

### **c. Fodder Crops and Amenity Grasses**

The proceedings of the 30<sup>th</sup> section meeting held 12-16 May 2013 in Vrnjačka Banja, Serbia were published in 2014 as a Springer book with Dejan Skolovic, Christian Huyghe and Jamina Radovic as editors under the title: [“Quantitative Traits Breeding for Multifunctional Grasslands and Turf”](#).

No meetings were held in 2014.

#### Future meetings

Section meeting: 13-17 September 2015, Gent, Belgium (<http://www.eucarpia-fcag2015.be>), organized by the Institute for Agricultural and Fisheries Research (ILVO) and Ghent University (UGent) under the leadership of Joost Baert.

The central theme of the symposium is “Breeding in a world of scarcity”. It refers to (i) the shrinking number of breeders, (ii) the changing environment, the reduced access to natural resources and the shrinking degrees of freedom in using them, (iii) the shrinking numbers of farmers, the scarcity of agricultural land and the shrinking degrees of freedom in using the land and (iv) the fading of focus in primary production triggered by ample consumer demands. The mid-conference tour will visit a region that remembers the scarcity during World War I of 100 years ago.

The organizers took the risk to introduce some new formats during the meeting: a best breeding idea award, well-prepared provocative debates, no posters but offered papers that are pre-reviewed and presented as flash presentations followed by a greet and meet with the author. By doing so, the organizers take a risk and are fully aware about potential uneasy feelings for delegates but count on your wisdom and broadness of mind to take the chance to get some things moved.

If this announcement intrigues you, start planning your participation in the congress now. The deadline for paper submission and for the submission of a breeding idea has been extended until March 31st 2015. We look forward to seeing you in Belgium in 2015!

Dirk Reheul, Section Chairperson, [dirk.reheul@UGent.be](mailto:dirk.reheul@UGent.be)

### **h. Genetic Resources**

As the recently appointed Chair of the Genetic Resources section, I am pleased to announce that the next meeting of the section is planned to take place in Montpellier, France in early June 2017. The meeting will be hosted by the Agropolis Fondation, Institut de Recherche pour le Développement (IRD) and the local organization led by Jean-Louis Pham (Agropolis Fondation, IRD) and Anne Zanetto (UE DiaScope, INRA – L’institut National de la Recherche Agronomique). Further information, including the confirmed meeting dates will be circulated by the end of 2015.

The last Genetic Resources section meeting was held jointly with the PGR Secure project ([www.pgrsecure.org](http://www.pgrsecure.org)) in June 2014, Cambridge, UK. Attended by 140 delegates from 42 countries, the conference ‘ENHANCED GENEPOOL UTILIZATION – Capturing wild relative and landrace diversity for crop improvement’ was staged to showcase novel characterization techniques and conservation strategies to identify and safeguard crop wild relative (CWR) and landrace genetic diversity to increase options for crop improvement, as well as to disseminate products from the PGR Secure project ([www.pgrsecure.org](http://www.pgrsecure.org)) to the PGR community and discuss their wider application in the future. You can read a summary and the main conclusions of the conference in Issue 10 of *Crop wild relative*

([www.pgrsecure.bham.ac.uk/sites/default/files/documents/newsletters/CWR\\_Issue\\_10.pdf](http://www.pgrsecure.bham.ac.uk/sites/default/files/documents/newsletters/CWR_Issue_10.pdf))

as well as download the book of abstracts and access oral presentations given at the conference at [www.pgrsecure.org/conference](http://www.pgrsecure.org/conference). A book containing key scientific papers associated with the conference will be published by CABI later this year.

I would also like to bring to your attention the report, 'On the conservation and use of plant genetic resources in Europe' (Fig. 1), which resulted from research involving extensive stakeholder participation carried out by Chris Kik (CGN, Wageningen, the Netherlands), Lothar Frese and Lorenz Bülow (JKI, Quedlinburg, Germany) and Anna Palmé (NordGen, Alnarp, Sweden) in the context of the PGR Secure project. As the authors note, *"The rationale behind this report is the presence of substantial conservation and use constraints of PGR in Europe negatively influencing innovation"*. They point out that *"With increasing knowledge on the amount, structure and geographic distribution of genetic diversity contained in crop elite breeding pools, landraces and CWR, the conservation and sustainable use of plant genetic resources for food and agriculture (PGRFA) will be an achievable goal, despite difficulties which may occur in the implementation practice. We suggest taking advantage of the strengths of the European PGR conservation and use community. Such strengths are for example a vast reservoir of knowledge and expertise in different fields, diversity of approaches to PGR conservation and use as well as specialisation and blueprints for problem solutions. We suggest that a good way forward would be to strive for an integrated EU Plant Germplasm System (EU-PGS) composed of sovereign, national plant germplasm system units, coordinated by the European Cooperative Programme for Plant Genetic Resources (ECPGR) and funded by the EU"*.

The report can be downloaded from [www.nordgen.org/index.php/en/content/view/full/2753/](http://www.nordgen.org/index.php/en/content/view/full/2753/) along with a policy discussion paper entitled 'Towards a European Plant Germplasm System – the third way' (Fig. 2) which presents an analysis of the current situation, a vision for the future and a way to attain this vision.



**Figure 1.** Cover page and direct link to the report, 'On the conservation and use of plant genetic resources in Europe'



**Figure 2.** Cover page and direct link to the policy paper, 'Towards a European Plant Germplasm System – the third way'

Both the final report and the policy paper have been submitted to representatives of the European Commission involved in PGR-related issues and to the Executive Committee of the ECPGR. Let us hope that the recommendations put forward by the authors are duly considered in future planning and funding for sustainable conservation and utilization of PGRFA in Europe.

Finally, I look forward to welcoming you to the next Genetic Resources section meeting in Montpellier in 2017! In the meantime, if you have any ideas in terms of sharing knowledge or opportunities for collaboration via the Genetic Resources section, please do feel free to email me directly at any time.

Shelagh Kell, Section Chairperson, [s.kell@bham.ac.uk](mailto:s.kell@bham.ac.uk)

## **i. Maize & Sorghum**

### Future meetings

The next, XXIII EUCARPIA Maize and Sorghum Conference will be held on June 10-11, 2015, Le Corum, Montpellier, France. The title of the conference is "Genomics and phenomics for model-based maize and sorghum breeding".

Polymorphism discovery and genotyping have been revolutionized in maize and sorghum over the last five years, yielding new insights in different types of (epi)genetic polymorphism and evolutionary processes. High density genotyping of suitable populations lead to new insights in the genetics of traits. Drastic reduction of genotyping costs now makes it possible to implement genomic selection strategies on a large scale. Breakthrough also have been achieved in phenotyping methods and (eco)physiological modelling, making it possible to better understand the gene to phenotype relationship. The conference will aim at updating with recent advances in these fields and discuss how they can be combined in efficient breeding strategies to develop next generation of maize and sorghum varieties adapted to new agricultural challenges.

The conference is jointly organized by the French project AMAIZING supported by the French National Research Agency (ANR). Invited talks by experts of the topics will be completed by presentations selected from abstracts. Much time will be devoted to discussion during sessions and a poster session. The website of the conference is <https://colloque.inra.fr/eucarpia-maize-sorghum-2015>.

The conference will follow a conference on "Recent progress in drought tolerance: from genetics to modelling" jointly organized by the European project DROPS and EUCARPIA Cereals and Maize and Sorghum Sections to be held at the same venue June 8 - 9. More details about DROPS project are available at <http://www.dropsproject.eu/>. The website of this joint conference is <https://colloque.inra.fr/drought-tolerant-plants-2015>.

Domagoj Šimić, Section Chairperson, [domagoj.simic@poljin.hr](mailto:domagoj.simic@poljin.hr)

## **j. Vegetables**

In 2014, the Section Vegetables successfully organized the XVIIIth EUCARPIA Meeting of the Tomato Working Group (<https://colloque.inra.fr/eucarpia2014-tomato-avignon>) in France. It was hosted by the French Institute for Agronomical Research (INRA) in Avignon, a city well known for its old city walls, its famous Saint-Bénezet bridge and the Pope's Palace. Dr. Mathilde Causse organized the scientific programme that offered an excellent platform where latest results of different areas in tomato genetics and breeding were discussed, including genetic resources, resistance to biotic and abiotic stresses, genetics of yield and fruit quality, genomics and biotechnological approaches. There were about 170 participants of whom more than 90 are from companies, clearly demonstrating that the EUCARPIA workshop meetings have a strong connection with companies. I would like to heartily thank again Dr. Mathilde Causse and her crew for the well-done job! By the end of meeting, the EUCARPIA tomato committee was elected: Dr. Mathilde Causse, the organizer of the current meeting is the chair; Dr. Luigi Frusciante/Dr. Mara R. Ecolanoi (University of Naples "Federico II", Italy) and Dr. Silvana Grandillo (Institute of Biosciences and Bioresources, Italy), the organizers of the next meeting are the co-chairs; Dr. Rafael Fernandez-Muñoz (IHMZ-CSIC La Mayora, Spain) the organizer of the previous meeting is the secretary. This committee will be in function for three years and a new committee will be assembled in the next tomato working group meeting which will be held in 2017 in Italy.

In 2015, the Eucarpia Leafy Vegetables Congress will be held from 14 to 17 April, 2015 in San Pedro del Pinatar, Spain. The organizers, Dr Carol Wagstaff and Dr Maria Isabel Gil, have set up an attractive program with the aim to facilitate communication and discussion related to all aspects of leafy vegetables quality, including breeding, production and postharvest handling (<http://www.verticesur.es/congresos/EUCARPIA2015/index.php>).

In 2016, the Section Vegetables will organize two working group meetings:

The XI EUCARPIA Meeting of the Cucurbitaceae Working Group will be held from 24 to 28 July, 2016 in Poland. On behalf of the organizing committee, Dr. Elzbieta U. Kozik is inviting researchers and breeders interested in Cucurbitaceae (both Genetics and Breeding) to participate in the meeting. Please see the invitation via the link:

[http://www.inhort.pl/files/konferencje\\_2016/cucurbitaceae/Cucurbitaceae2016\\_first%20anno7uncm.pdf](http://www.inhort.pl/files/konferencje_2016/cucurbitaceae/Cucurbitaceae2016_first%20anno7uncm.pdf)

The XVI<sup>th</sup> EUCARPIA Capsicum and Eggplant Working Group Meeting will take place from 12 to 14 September, 2016 in Hungary and chaired by Dr. Katalin Ertsey Peregi. An attractive website is online now (<http://eucarpia2016.hu/>)

Yuling Bai, Section Chairperson, [bai.yuling@wur.nl](mailto:bai.yuling@wur.nl)

## **k. Fruit**

The Eucarpia Fruit section had no planned meetings during 2014. During 2014, the organization of the XIV Symposium on Fruit Breeding and Genetics started.

### Future meetings

The XIV Symposium on Fruit Breeding and Genetics will be held in Bologna (Italy) from 14 to 18 June 2015. The Organizing Committee has completed the Symposium planning and all the information is available at the following website: <http://www.eucarpiafruit2015.org/>

Stefano Tartarini, Section Chairperson, [stefano.tartarini@unibo.it](mailto:stefano.tartarini@unibo.it)

## **l. Ornamentals**

On the website of Eucarpia all the publications of the Section Ornamentals are now presented (<http://www.eucarpia.org/ornamentals.html> ).

The next meeting of the Section is the 25th International Eucarpia Symposium - Ornamentals Section which will take place on 28 June – 2 July, 2015 at the Institute for Agricultural and Fisheries Research (ILVO) in Melle, Belgium, close to Ghent (<http://www.eucarpiaornamentals2015.be/EN>).

Jaap M. van Tuyl, Section Chairperson, [Jaap.vantuyl@wur.nl](mailto:Jaap.vantuyl@wur.nl)

## **m. Oil and Protein Crops**

The last meeting of the section was held in Hungary in 2007. Since then there was no activity and the chairperson position of the section was vacant. For getting it to function again, I have been elected as section chair in August 2013.

Two working groups, Oil Crops (OCWG) and Protein Crops (PCWG) have been formed under the section. Antonio M. De Ron who is the leader of the PCWG is organizing the first meeting of the group and the revitalized Oil and Protein Crops Section. From May 4-7, 2015 a joint symposium between PCWG and the Misión Biológica de Galicia (MBG) of the Spanish National Research Council (CSIC) will be held in Pontevedra, Spain. The motto of the symposium is “Plant Proteins for the Future”. Details about the symposium can be reached at the webpage <http://symposiumproteincrops.org/>.

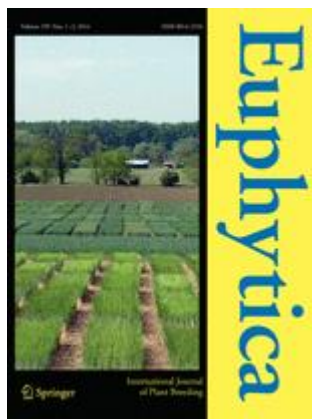
Last but not least, Oil and Protein Crops Section Meeting will jointly be organized with 2nd International Plant Breeding Congress led by BISAB (Plant Breeders Sub-Union of Turkey). The joint Congress will be held in Antalya, Turkey on 1-5 November 2015. The first International Plant Breeding Congress organized by Plant Breeders Sub-Union of Turkey was held in Antalya, Turkey on 10-14 November 2013 with great participation of 650 researchers from all over the world. Antalya, the place of the section meeting to be held is known as Turkish Riviera with many large holiday resorts. One of those resorts is Wow Kremlin Palace ([www.wowhotels.com/wowkremlinpalace.asp](http://www.wowhotels.com/wowkremlinpalace.asp)) where the Section meeting will take place. The webpage of the Section meeting is now under construction and will be announced in due course.

Bülent Uzun, Section Chairperson, [bulentuzun@akdeniz.edu.tr](mailto:bulentuzun@akdeniz.edu.tr)

## **n. Section Organic & Low-input Agriculture**

This section addresses the issues that are relevant to breeding for organic and low-input agriculture.

In 2014 no section meeting was held. Prof Dr Heiko Becker and prof dr Edith Lammerts van Bueren as guest-editors managed to finalise the Euphytica special issue Breeding for Nitrogen Use Efficiency (NUE) as a result of the Section meeting September 24-26, 2013 in Göttingen, Germany. Sixteen selected contributions and a Preface have been peer-reviewed to be included in this issue for Euphytica on the breeding concepts, methods and case studies related to breeding for NUE and was published in the summer of 2014: Euphytica 199 (1-2): 1-245. See <http://link.springer.com/journal/10681/199/1/page/1>



Special issue of Euphytica on Breeding for Nitrogen Use Efficiency

### Planned meetings

2015: Workshop on implementing plant –microbe interaction in plant breeding. Monika Messmer, Maria Finckh and Peter Baresel will take the lead. The meeting will take place in Weißenstephan in Germany on 24<sup>th</sup> and 25<sup>th</sup> June 2015 and will be attached to the core-organic COBRA meeting and the ECO-PB meeting.

The workshop aims at creating a network among plant breeders and researchers of different disciplines to explore the potential of utilizing plant microbe interaction in plant breeding. It is hoped to establish a new EUCARPIA Working Group on Plant-Microbe Interactions in the Section Organic and Low-Input Agriculture.

For information: [monika.messmer@fibl.org](mailto:monika.messmer@fibl.org).

2018: a section meeting/conference on ‘Breeding for diverse cropping systems: Plant-Plant interactions’. Gunter Backes and Maria Finckh will take the lead; to be organised in Germany. For information: [gunter.backes@uni-kassel.de](mailto:gunter.backes@uni-kassel.de)

Edith Lammerts van Bueren, Section Chairperson, [edith.lammertsvanbueren@wur.nl](mailto:edith.lammertsvanbueren@wur.nl)

## EU PROJECTS



[www.pgrsecure.org](http://www.pgrsecure.org)



[www.dropsproject.eu](http://www.dropsproject.eu)

### PGR SECURE

EUCARPIA was an Associate Partner in the EU FP7 project PGR Secure which concluded successfully in August 2014. Highlights of the project can be read in Issue 10 of Crop wild relative ([www.pgrsecure.bham.ac.uk/sites/default/files/documents/newsletters/CWR\\_Issue\\_10.pdf](http://www.pgrsecure.bham.ac.uk/sites/default/files/documents/newsletters/CWR_Issue_10.pdf)) and further information can be found on the project website ([www.pgrsecure.org](http://www.pgrsecure.org)). EUCARPIA's main contribution was co-organizing the final dissemination conference, 'ENHANCED GENEPOOL UTILIZATION – Capturing wild relative and landrace diversity for crop improvement', which was held as a joint PGR Secure/EUCARPIA Genetic Resources section conference in Cambridge, 16–20 June 2014. Further information about the conference can be found in the Genetic Resources section news item in this Bulletin and on the conference website ([www.pgrsecure.org/conference](http://www.pgrsecure.org/conference)). EUCARPIA president Beat Boller participated in the conference which was a good opportunity to introduce EUCARPIA to the participants and to advertise the next General Congress.

For further information about PGR Secure, please contact Shelagh Kell, Chair of the Genetic Resources section: [s.kell@bham.ac.uk](mailto:s.kell@bham.ac.uk)

### DROPS

Recent progress in drought tolerance : from genetics to modelling  
8 – 9 June 2015 Le Corum Montpellier, France

The conference is at the crossroads of plant and crop physiology, genetics and breeding. It aims at presenting an accurate view on recent advances in the mechanisms associated with plant response to water deficit, on the phenotyping of these mechanisms, on their genetic variability and on the modelling of relevant allelic effects on plant behavior under changing climates. Much time will be dedicated to discussion, with two forums on opportunities and limits of breeding for drought tolerance, and the link between upstream disciplines and breeding. This will foster dialogue between academic and private sector, young scientist and senior breeders, initiatives from the Northern regions where the impact of climate change is becoming visible and the developing countries that already face drought-prone conditions.

This conference is jointly organized by the European project DROPS and the two sections Cereals and Maize & Sorghum of Eucarpia. It will present results obtained in the project DROPS and in related projects.

Attendance is free, but registration is compulsory, associated with a questionnaire on attendee's expertise, current activity and main interests. A few grants will be provided for attendees from Mediterranean regions and Africa, Asia and South America

Oral presentations and posters can be submitted until 10<sup>th</sup> April 2015 via the website of this joint conference: [https://colloque.inra.fr/drought-tolerant\\_plants\\_2015](https://colloque.inra.fr/drought-tolerant_plants_2015)

Claude Welcker (INRA-France) Conference Chair, [welcker@supagro.inra.fr](mailto:welcker@supagro.inra.fr)

Roberto Tuberosa (UNIBO-Italy) Conference Vice- chair

François Tardieu (INRA, France) Coordinator of EU-DROPS project and President of the international scientific committee of the conference.

## **BIOEXPLOIT**

EUCARPIA's involvement in the FP6 project BIOEXPLOIT on "Exploitation of natural plant biodiversity for the pesticide-free production of food", operationally lasting from October 2005 until March 2011, has come to a very end in 2014 with the final reimbursement of our project costs. The final audit costs of 3770 € were not covered, but our remaining expenditures of 61081 € (original budget 60000 €) were refunded, with the last payment of 22668 € received 27 June 2014. Thus, our successful participation in this project was worthwhile also financially.

## **Horizon 2020**

EUCARPIA is participating in a Horizon 2020 submission to the call SFS-7-2014/2015: "Genetic resources and agricultural diversity for food security, productivity and resilience". The submission is coordinated by Bioversity International and a substantial contribution of EUCARPIA is planned. We are waiting for the decision on the stage 1 submission. EUCARPIA's potential contribution will be managed by Shelagh Kell, chairperson of our Genetic Resources Section.

## CONTACTS WITH OTHER SOCIETIES

### EPSO

EUCARPIA supports the third international "Fascination of Plants Day", scheduled for 18<sup>th</sup> of May 2015, which has been launched by the European Plant Science Organisation (EPSO). The goal of this activity is to get as many people as possible around the world fascinated by plants and enthused about the importance of plant science for agriculture, in sustainability producing food, as well as for horticulture, forestry, and all of the non-food products such as paper, timber, chemicals, energy, and pharmaceuticals. The role of plants in environmental conservation will also be a key message.

We invite EUCARPIA members to join this initiative! If you plan an activity in your country for 18 May (or a different suitable day between 3 and 31 May 2015) that you would like to place under the umbrella of the Fascination of Plants Day, please contact your National Coordinator.

### GPC

EUCARPIA has joined the Global Plant Council (GPC, <http://globalplantcouncil.org/>) in April 2014. GPC was established as a non-profit entity in 2012. It's members are professional plant science organizations from around the globe.

The mission of the GPC is to facilitate the development of plant-based solutions to global problems, to foster international collaborations to enable the effective development and use of knowledge and resources, and to provide an independent and inclusive forum to bring together all those involved in plant and crop research.

GPC's main activities are:

Advocacy and policy: Help to promote the wealth of plant research, to provide an authoritative source of information on plant science and to encourage a more positive funding environment.

Serve as a research catalyst: Run initiatives as a means for members to work together to define, initiate and coordinate research programs that generate sustainable solutions to problems of a growing global population.

Current GPC initiatives are:

DivSeek - <http://www.divseek.org/>

Biofortification - <http://globalplantcouncil.org/initiatives/biofortification>

Stress Resilience - <http://globalplantcouncil.org/initiatives/stress-resilience>

Outreach: Acting as a central hub to enhance and develop coordination and communication mechanisms with and between GPC Member Organisations and their stakeholders. This activity currently focusses on setting up the Plant Knowledge Hub which will be an online portal that will provide member organizations and plant researchers across the world with information, news, funding opportunities, and education, teaching and outreach resources all in one place.

Additional benefits

Members receive a monthly e-newsletter from the GPC packed full of relevant news, funding opportunities, conferences and reports, are listed on the GPC website, and are able to advertise events and include news on the GPC website, and provide articles for the GPC blog.

GPC expects a representative of each member organization to be present at the annual general meeting. EUCARPIA president Beat Boller attended the self-standing 2014 meeting 2-3 October in London. The next annual meeting will take place at Iguaçu Falls (Brazil/Argentina border) 29-30 October 2015 after the IPMB (International Plant Molecular Biology) Meeting.



## **NEWS FROM THE EUCARPIA SECRETARIAT**

As already announced last year, we now have a “Member” zone on our new website, where new features are available. After login on our website, you as a member are able to update your personal data, to check when your membership will expire and consequently renew your membership online. You also have the possibility to communicate with other members of Eucarpia.

With the objective to have smooth operations, it was necessary to execute a data validation for starting with a new system. On these grounds, the Eucarpia Secretariat wants to apologize for all the inconveniences. We also would like to stress the point, based on the fact that all communication is based on e-mail, how important it is for us to be informed about changes of e-mail addresses, forgotten login data and others.

In May 2014, all members got an e-mail, providing them with username and password for login to our website, [www.eucarpia.com](http://www.eucarpia.com). If any of the members do not have the personal login data yet, please contact our secretariat using [eucarpia@agroscope.admin.ch](mailto:eucarpia@agroscope.admin.ch) to continue to enjoy the full benefits of being a Eucarpia member.

The Secretariat is your entry point for any inquiries regarding your membership, address changes, section activities and benefits. We will take any effort to support you to your utmost satisfaction. Please use [eucarpia@agroscope.admin.ch](mailto:eucarpia@agroscope.admin.ch) to contact us and do not hesitate to inform us about any section news, meeting information, suggestions or comments, which you would like to have published, so that we can keep the website up-to-date.

## **New Eucarpia members**

The Executive Committee of EUCARPIA is pleased to welcome the following new members (January – December 2014) in our association:

### **New individual members**

<b>Argentina</b>	Bertero	Daniel
<b>Australia</b>	Mahjourimajd	Saba
	Fleury	Delphine
<b>Belgium</b>	Toumi	Fateh
<b>Bulgaria</b>	Stoyanov	Hristo
<b>Canada</b>	Sharpe	Andrew
<b>China</b>	Dai	Fei
<b>Colombia</b>	Castaneda	Nora
<b>Croatia</b>	Rebekić	Andrijana
	Šimon	Silvio
<b>Czech Republic</b>	Vymyslicky	Tomas
	Travnickova	Martina
<b>Estonia</b>	Jakobson	Irena
<b>Ethiopia</b>	Demozie	Yetsedaw Aynewa
<b>France</b>	Moreira de Almeida	Isabel
	Daniel	Prat
	Rizzolatti	Carine
	Evrard	Aurelie
	Paux	Etienne
	Martinon	Sylvain
	Diatloff	Eugene
<b>Germany</b>	Arifuzzaman	MD.
	Muzammil	Shumaila
	Muszynska	Aleksandra
	Benedict Chijioke	Oyiga
	Schnurbusch	Dr. Thorsten
	Dhanagond	Sidram
	von Broock	Reinhard
	Hackauf	Bernd
<b>Greece</b>	Ninou	Elizabeth
<b>Hungary</b>	Puskas	Katalin
	Taller	Janos
<b>India</b>	Sareen	Sindhu
<b>Iran (Islamic Republic of)</b>	Zarbaft	Soheila
<b>Italy</b>	Sansavini	Silviero
	Pagnotta	Mario A.
	Dias	Sonia
	Tripodi	Pasquale
	Tartarini	Stefano
	Lafiandra	Domenico
<b>Japan</b>	Hisano	Hiroshi
<b>Kazakhstan</b>	Kakimzhanova	Almagul
	Abdrasheva	Kymbat
	Abugalieva	Aigul
	Nurpeissov	Myrzan
<b>Mexico</b>	Braun	Hans-Joachim
	Govindan	Velu
	Barba-Gonzalez	Rodrigo
<b>Nepal</b>	Pandey	Madhav

<b>Nigeria</b>	Oyatomi	Olaniyi Ajewole
	Abiolu	Fawole Lanre
	Aliyu	Bakari
<b>Poland</b>	Góral	Tomasz
	Nowak	Michal
<b>Portugal</b>	Oliveira	Ana Luísa
<b>Romania</b>	Teodorescu	Eliza
	Ciuca	Matilda
<b>Saudi Arabia</b>	Basahi	Mohammed
<b>Serbia</b>	Dimitrijević	Aleksandra
	Kobiljski	Borislav
<b>Slovakia (Slovak Republic)</b>	Ražná	Katarína
<b>Spain</b>	Alvaro	Fanny
	Moragues	Marc
	Subira	Joan
	Martín	Antonio
	Pinar	Amparo
<b>Sweden</b>	Langvad	Karl-Johan
<b>Switzerland</b>	Hebeisen	Thomas
	Suter	Daniel
	Büttner-Mainik	Annette
<b>Turkey</b>	Sari	Nebahat
	Çabuk Şahin	Ezgi
	Tuna	Metin
<b>United Kingdom</b>	Mora-Ortiz	Marina
	Snowdon	Paul
	Ratcliffe	Sharon
	Taylor	Jemma
	Kell	Shelagh
	Maxted	Nigel
	Reid	Lindsay
	Flavell	Andrew
	Russell	Joanne
	Bentley	Alison
	Contreras Toledo	Aremi R.
<b>United States</b>	Barrios	Kaitlin
	Jones	Don

#### **New corporate members**

<b>Switzerland</b>	AGROSCOPE IPB
<b>Switzerland</b>	AGROSCOPE INH

## **Membership fees**

You can renew your membership on [www.eucarpia.org](http://www.eucarpia.org) at any time. You will also be asked to do so by e-mail. The membership fee for individual members is €40 for members of Western Europe and developed countries from elsewhere outside Europe, €30 for EU members of Eastern Europe and €20 for members of other Eastern European countries (this special rate also applies to some developing countries outside geographical Europe). Members younger than 30 years or older than 65 years have 50% discount and pay €20 only (€15 and €10 for Eastern EU and developing countries, respectively). The fee of corporate members is €300, with proportionate discounts for developing countries. Corporate membership fee covers the fees of maximum 10 delegates.

The preferred option of payment for individual members is to login to the new members zone of the homepage and click on Membership renewal. You will be able to choose between credit card (VISA or MasterCard) payment or an electronic bank transfer. If you do not have access to internet, you may transfer your payment to:

UBS AG, CH-8098 Zürich, Switzerland

IBAN: CH90 0022 8228 EU10 0387 6

BIC: UBSWCHZH80A

Please indicate your name and membership number in the transfer. Use the SEPA option or, if this is not available at your bank, choose "breakdown of costs". We do not accept cheques. Online payment by credit card without logging in is available on request at the Secretariat.

## **Membership privileges**

### *Individual membership*

EUCARPIA membership advantages include:

- Access to the members zone of the website with possibility to contact other EUCARPIA members
- Free publication of breeding related international events on the website (contact the Secretariat)
- Reduction ( $\geq 40$  €) in the registration fee for events (General congress, symposia, meetings, etc.) organized by EUCARPIA.
- Participation in the EUCARPIA sections of your interest (or in all if you wish).
- Reception of the EUCARPIA Bulletin, with information on EUCARPIA activities, publications, dates and information of symposia, meetings and events related to plant breeding, etc.
- Facilitation of international cooperation, exchange of methods and plant material, etc.

### *Corporate membership*

In addition to the advantages entitled to individuals, Corporate members (Institutes, Departments, Companies, Associations, Societies, etc.) advantages include:

- Possibility of enlisting up to 10 individual delegates associated to the corporate membership.
- A link to the web page of the Institution can be posted in the web page of EUCARPIA. This web page is visited mainly by breeders and receives many hits per day.

## **Discounts on journals and books**

Discounts are available for EUCARPIA members for several book titles and journals. Members can access these discounts in the reserved member zone of the EUCARPIA website, [www.eucarpia.org](http://www.eucarpia.org)

### **Wiley**

According to an agreement between Wiley and EUCARPIA, there is a 50 % reduced rate for personal subscriptions to the journal: Plant Breeding. Current rate for annual subscription is 95 Euro (print and online) for EUCARPIA members compared to regular 189 Euro. Subscriptions to the above journal can be made on the following web page, accessible also in the member zone of the EUCARPIA website:

<http://www.wiley.com/bw/journal.asp?ref=0179-9541>

### ***Selected titles of Springer at a 25% discount***

As a member of EUCARPIA you are entitled to a discount of 25% on all titles in the series "Handbook of Plant Breeding" (presently 8 titles), and on about 50 more English-language books in the area of plant sciences. The "Handbook of Plant Breeding" series is managed by former Eucarpia president Jaime Prohens and the individual titles are all edited by prominent EUCARPIA members.

You are invited to browse through the books on offer and order at the discounted rate. Take advantage of this special offer and visit the dedicated Springer website for EUCARPIA members, available in the member zone of the EUCARPIA website:

<http://www.springer.com/societies+%26+publishing+partners/eucarpia?SGWID=0-163902-0-0-0&token=EUCARPIA25>>

### ***New book: Plant Genetic Resources and Climate Change***

CABI Climate Change Series

Edited by Mike Jackson

December 2013 / Hardback / 312 Pages / 9781780641973    £85.00 / \$160.00 / €110.00

<http://bookshop.cabi.org/?page=2633&pid=2552&site=191>

EUCARPIA members can get 20% off when they order online at <http://bit.ly/1gRykCZ> and enter the code CCPGRCC20 at the online checkout!

## **EUCARPIA Bulletin**

The EUCARPIA Bulletin No. 43 will be issued in February 2016. If you would like to publish information about congresses, meetings, publications, section news or any other information relevant to other members, please send in your contribution to the Secretariat by **December 1, 2015**.

## EUCARPIA MEETING CALENDAR FOR 2015 AND LATER

More information and updates on these meetings can be found on the web page of EUCARPIA (<http://www.eucarpia.org>)

### **XXth EUCARPIA General Congress “Plant Breeding: the Art of Bringing Science to Life” August 29 – September 2, 2016, Zurich, Switzerland**

#### **Invitation**

On behalf of EUCARPIA, Agroscope and ETH Zürich we are pleased to invite you to the 20<sup>th</sup> Eucarpia General Congress, to be held at ETH Zürich August 29 – September 2, 2016. This event, which is held every four years, brings together scientists and researchers in all fields related to plant breeding. They will present and discuss their findings and visions to meet the great challenges that plant breeding will face over the next decades.

Plant breeding has always been considered both a science and an art. The appearance of new tools and their rapid technological development, such as plant genomics, bioinformatics and phenomics, has added a new dimension to this field. A clear overall perception of the requirements for the plant cultivars of the future is necessary to apply these tools to breeding in a sensible way. At the same time, breeding objectives are gradually influenced by climate change, scarcity of natural resources and necessity to contribute to biodiversity conservation. The different disciplines must collaborate with a common goal in mind in order to succeed in bringing advances in science to life in improved plant cultivars. This is why we have chosen the motto of this conference: “Plant breeding, the art of bringing science to life.”

The congress will discuss how new phenomic tools can help carving crop ideotypes and how the wealth of information about the plant genome can be put to work in novel cultivars. It will search for ways to breed climate smart cultivars and to make best use of the natural variation in genetic resources. It will look for a compromise between innovative strategies to breed new cultivars and the necessity to ensure cultivars reliability for growers and consumers by a regulatory framework. There will also be room for the exchange of new results in breeding individual crops or in developing new breeding objectives.

**Topics:** Genetic resources and pre-breeding; Phenomics; Genomics and bioinformatics; Stress tolerance; Secondary metabolites; Plant microbe interactions; Innovation vs. regulation.

Website: [www.eucarpia2016.org](http://www.eucarpia2016.org)

**a. Potatoes**                      18th Joint Meeting of EAPR Breeding and Varietal Assessment Section and EUCARPIA Section Potatoes  
Hotel Equa, Vico Equense (close to Sorrento), Italy  
November 15th – 18th, 2015  
<http://www.eapr.net/sections/breeding-and-variatal-assessment/>

**b. Cereals**                        Joint EUCARPIA - FP7 DROPS conference  
Recent progress in drought tolerance : from genetics to modelling  
Montpellier, France  
June 8-9, 2015  
[https://colloque.inra.fr/drought-tolerant\\_plants\\_2015](https://colloque.inra.fr/drought-tolerant_plants_2015)

Joint EWAC (The European Cereals Genetics Co-operative) -EUCARPIA Cereals Section Conference  
Lublin, Poland  
May 24-29, 2015  
[www.ewac.eu](http://www.ewac.eu)

International Conference on Rye Breeding and Genetics  
Wrocław, Poland  
June 24-26, 2015  
<http://eucarpia2015.up.wroc.pl/>

9th International Triticale Symposium jointly organized with the EUCARPIA Cereals

	<p>Section Szeged, Hungary May 25-28, 2016</p>
<b>c. Fodder Crops and Amenity Grasses</b>	<p>31st meeting “Breeding in a world of scarcity” Gent, Belgium September 13-17, 2015 <a href="http://www.eucarpia-fcag2015.be">http://www.eucarpia-fcag2015.be</a></p>
<b>d. Biometrics in Plant Breeding</b>	<p>XVIth Meeting of the EUCARPIA Section Biometrics in Plant Breeding. Wageningen, The Netherlands September 9-11, 2015 Venue &amp; Hotel: <a href="http://hoteldewageningscheberg.nl/en/%20">http://hoteldewageningscheberg.nl/en/%20</a></p>
<b>h. Genetic Resources</b>	<p>The next section meeting is planned to take place in Montpellier, France in early June 2017</p>
<b>i. Maize and Sorghum</b>	<p>Joint DROPS and EUCARPIA Cereals and Maize and Sorghum Sections conference "Recent progress in drought tolerance: from genetics to modelling" Montpellier, France June 8-9, 2015 <a href="https://colloque.inra.fr/drought-tolerant_plants_2015">https://colloque.inra.fr/drought-tolerant_plants_2015</a></p> <p>Joint DROPS (Drought-Tolerant Yielding Plants) – EUCARPIA Maize and Sorghum Section –EUCARPIA Cereals Section Conference "Genomics and phenomics for model-based maize and sorghum breeding" Montpellier, France June 10-11, 2015 <a href="https://colloque.inra.fr/eucarpia-maize-sorghum-2015">https://colloque.inra.fr/eucarpia-maize-sorghum-2015</a></p>
<b>j. Vegetables</b>	<p>VIII EUCARPIA Meeting of the Leafy Vegetables Working Group San Pedro del Pinatar, Spain April 14-17, 2015 <a href="http://www.verticesur.es/congresos/EUCARPIA2015/index.php">http://www.verticesur.es/congresos/EUCARPIA2015/index.php</a></p> <p>XVIth EUCARPIA Capsicum and Eggplant Working Group Meeting Kecskemét, Hungary September 12-14, 2016 <a href="http://eucarpia2016.hu/">http://eucarpia2016.hu/</a></p> <p>XI<sup>th</sup> EUCARPIA Meeting of the Cucurbitaceae Working Group Poland July 24-28, 2016 <a href="http://www.inhort.pl/files/konferencje_2016/cucurbitaceae/Cucurbitaceae2016_first%20anno7uncm.pdf">http://www.inhort.pl/files/konferencje_2016/cucurbitaceae/Cucurbitaceae2016_first%20anno7uncm.pdf</a></p>
<b>k. Fruit</b>	<p>XIV EUCARPIA Symposium on Fruit Breeding and Genetics Bologna, Italy June 14-18, 2015 <a href="http://www.eucarpiafruit2015.org">http://www.eucarpiafruit2015.org</a></p>
<b>l. Ornamentals</b>	<p>XXVth International Symposium of the EUCARPIA Section Ornamentals “Crossing borders” Melle, Belgium June 28th to July 2, 2015 <a href="http://www.eucarpiaornamentals2015.be/">http://www.eucarpiaornamentals2015.be/</a></p>
<b>m. Oil and Protein Crops</b>	<p>Joint EUCARPIA - PCWG International Symposium on Protein Crops “Plant Proteins for the Future”</p>

Misión Biológica de Galicia of the Spanish National Research Council (MBG-CSIC)  
Pontevedra, Spain  
4-7 May, 2015  
<http://www.symposiumproteincrops.org>

Joint Oil and Protein Crops Section Meeting with 2nd International Plant Breeding  
Congress led by BISAB (Plant Breeders Sub-Union of Turkey)  
Antalya, Turkey  
1-5 November 2015

**n. Organic & Low-  
Input Agriculture** Working group meeting on ‘Breeding and plant-microbial interaction’  
Weiherstephan, Germany  
25-26 June, 2015  
The meeting will be attached to the core-organic COBRA meeting and the ECO-PB  
meeting.  
For information: [monika.messmer@fibl.org](mailto:monika.messmer@fibl.org)

Section meeting/conference on ‘Breeding for diverse cropping systems: Plant-Plant  
interactions’  
Germany  
2018  
For information: [gunter.backes@uni-kassel.de](mailto:gunter.backes@uni-kassel.de)

## OTHER MEETINGS AND EVENTS

Seed Longevity Workshop  
Seeds for future generations – determinants of longevity  
Wernigerode, Germany  
July 5-8, 2015  
[http://meetings.ipk-gatersleben.de/ISSS\\_Longevity\\_2015](http://meetings.ipk-gatersleben.de/ISSS_Longevity_2015)

Perennial Biomass Crops for a Resource Constrained World  
University of Stuttgart –Hohenheim/Germany  
September 7-10, 2015  
[https://www.uni-hohenheim.de/fileadmin/einrichtungen/optimisc/Perennial\\_Biomass\\_Crops -  
\\_preannouncement.pdf](https://www.uni-hohenheim.de/fileadmin/einrichtungen/optimisc/Perennial_Biomass_Crops_-_preannouncement.pdf)



## RECENT EUCARPIA PUBLICATIONS

<b>a. Potatoes</b>	<p><b>The challenges of improving both quality and resistance to biotic and abiotic stresses in potato</b>  17th Joint Meeting of EUCARPIA Section Potatoes and EAPR Breeding and Varietal Assessment Section  June 30 – July 4, 2013  Hévíz, Hungary  Book of abstracts pdf available on request from <a href="mailto:eucarpia@agroscope.admin.ch">eucarpia@agroscope.admin.ch</a></p>
<b>b. Cereals</b>	<p><b>Cereals for Food, Feed and Fuel –Challenge for Global Improvement</b>  EUCARPIA Cereals Section –I T M I Joint Conference  June 29 – July 4, 2014  Wernigerode, Germany  Book of Abstracts available here: <a href="http://plantbreeders.hu/files/book_of_abstracts.pdf">http://plantbreeders.hu/files/book_of_abstracts.pdf</a></p>
<b>c. Fodder Crops and Amenity Grasses</b>	<p><b>Quantitative traits breeding for multifunctional grassland and turf</b>  30th EUCARPIA Fodder Crops and Amenity Grasses Section Meeting  May 12-16, 2013  Vrnjacka Banja, Serbia  Book of Abstracts available here: <a href="http://eucarpia2013.ikbks.com/">http://eucarpia2013.ikbks.com/</a>  Proceedings available at Springer: <a href="http://www.springer.com/gp/book/9789401790437">http://www.springer.com/gp/book/9789401790437</a></p>
<b>d. Biometrics in Plant Breeding</b>	<p><b>XVth EUCARPIA Biometrics in Plant Breeding Meeting</b>  Programme, Information, Abstracts  September 5-7, 2012  Stuttgart – Hohenheim, Germany  University of Hohenheim  Book of abstracts pdf available on request from <a href="mailto:eucarpia@agroscope.admin.ch">eucarpia@agroscope.admin.ch</a></p>
<b>h. Genetic Resources</b>	<p><b>Pre-breeding – fishing in the gene pool</b>  European Plant Genetic Resources Conference  June 10-13, 2013  NordGen, SLU, Alnarp, Sweden  Book of Abstracts available at  <a href="http://www.nordgen.org/ngdoc/nordgen/Eucarpia/abstracts_workbook.pdf">http://www.nordgen.org/ngdoc/nordgen/Eucarpia/abstracts_workbook.pdf</a>  Report available at  <a href="http://www.nordgen.org/index.php/en/content/view/full/2753/">www.nordgen.org/index.php/en/content/view/full/2753/</a>  <b>ENHANCED GENEPOOL UTILIZATION – Capturing wild relative and landrace diversity for crop improvement</b>  Joint EUCARPIA – PGR Secure Conference  June 16-30, 2014  Cambridge, United Kingdom  Summary available as Issue 10 of Crop Wild Relative:  <a href="http://www.pgrsecure.bham.ac.uk/sites/default/files/documents/newsletters/CWR_Issue_10.pdf">www.pgrsecure.bham.ac.uk/sites/default/files/documents/newsletters/CWR_Issue_10.pdf</a>  Abstracts available at:  <a href="http://www.pgrsecure.bham.ac.uk/sites/default/files/documents/public/PGR_Secure_conference_abstracts.pdf">http://www.pgrsecure.bham.ac.uk/sites/default/files/documents/public/PGR_Secure_conference_abstracts.pdf</a></p>
<b>j. Vegetables</b>	<p><b>Breakthroughs in the Genetics and Breeding of Capsium and Eggplant</b>  XV EUCARPIA Meeting on Genetics and Breeding of Capsium and Eggplant  September 2-4, 2013  Torino, Italy  Proceedings pdf available at  <a href="http://www.alice.cnptia.embrapa.br/bitstream/doc/981497/1/digitalizar0097.pdf">http://www.alice.cnptia.embrapa.br/bitstream/doc/981497/1/digitalizar0097.pdf</a>  <b>Cucurbitaceae 2012</b>  Proceedings of the Xth EUCARPIA  Meeting on Genetics and Breeding of Cucurbitaceae  October 15-18, 2012,  Antalya-Turkey  Proceedings pdf available on request from <a href="mailto:eucarpia@agroscope.admin.ch">eucarpia@agroscope.admin.ch</a>  <b>XVIIIth Eucarpia Meeting, Tomato Working Group</b>  22nd – 25th April 2014  Avignon – France  Book of abstract pdf available on request from <a href="mailto:eucarpia@agroscope.admin.ch">eucarpia@agroscope.admin.ch</a></p>

<b>I. Ornamentals</b>	<b>"Ornamentals Breeding Worldwide"</b> XXIV International Eucarpia Symposium Section Ornamentals September 2-5, 2012 Warsaw, Poland Proceedings published in Acta Horticulturae 953: <a href="http://www.actahort.org/books/953/">http://www.actahort.org/books/953/</a>
<b>n. Organic and Low-Input Agriculture</b>	<b>Breeding for Nutrient Efficiency</b> Joint Meeting of EUCARPIA Section Organic & Low input Agriculture and EU NUE-CROPS Project September 24-26, 2013 Göttingen, Germany Abstracts pdf available on request from <a href="mailto:eucarpia@agroscope.admin.ch">eucarpia@agroscope.admin.ch</a> Proceedings available as <a href="#">Euphytica Special Issue</a> on Breeding for Nitrogen Use Efficiency Volume 199, Issue 1-2, September 2014, pages 1-245, including 17 papers.