

EPSO – plant science addressing grand challenges

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European Plant Science Organisation

www.epsoweb.org

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EPSO aims to advance plant science in Europe

Independent academic organisation, founded in 2000

Mission:

- Promote plant science and **support plant scientists**
- **Discuss future plant science programmes across Europe**
- Provide authoritative source of independent information on plant science
- Promote training of plant scientists to meet the 21st century challenges in breeding, agriculture, horticulture, forestry, plant ecology and sectors related to plant science

**CREATING A FUTURE FOR
PLANT RESEARCH IN EUROPE**



EPSO members: Academia

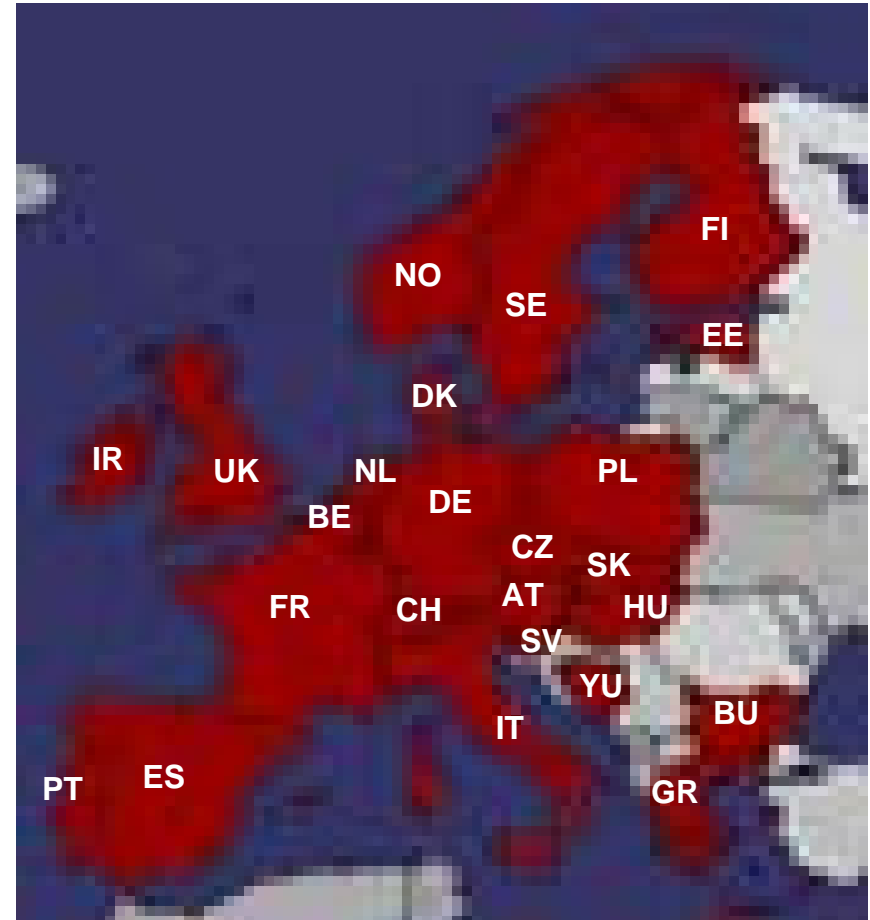
Academic Institutional members:

204 research institutes, universities, research departments

with over **27 000 researchers and staff** in plant science

from **29 countries – 26 in Europe and 3 beyond**

+ 1 600 Personal members



EPSO partners:

NGOs, industry, science organisations

Observers are from [industry](#) and NGOs

- ELO (European Landowners' Organization)
- EuropaBio, Bayer, BASF, BIOGEMMA, DLF Trifolium, Keygene, KWS, SunGene, Syngenta, Strube-Dieckmann, Agritec Plant Research, AgriSera, SES VanDer Have N.V

Links with academic and governmental organisations:

- ISE, ELSF & their members
- Global summit of plant science organisations July'09
- National learned societies can collaborate with EPSO on policy issues
- COST, [ERA-PG](#)



EPSO plant science addressing grand challenges

Advice on science policy from national to European levels

Achievements:

- Research opportunities for the plant sector in FP6 & FP7
- Support of and collaboration with ERA-Net on Plant Genomics and Plant KBBE
- Major stakeholder of the Technology Platform “Plants for the Future”
- Foster creation of and encourage proposals to European Research Council (via ELSF and ISE)

Now:

- Input to FP7/8 discussion, joint programming, international collaboration beyond Europe, research infrastructure, education
- addressing grand challenges like food – water – energy security, sustainable agriculture
- Developing policy papers



EPSO plant science addressing grand challenges

EPSO Conference, Lapland, 18 – 22.4.2010

Science policy

Science and society

Achieve sustainability

Achieve quality

Strengthen ecosystem functioning

Food security and safety – challenges ahead

Crop genomes, breeding tools and strategies

Architecture → traits; photosynthesis → solar fuels;
tree biology; metabolites → pharma & nutrients

Plant health, climate change and plant production,
landscape genomics and biodiversity



Programme & registration
www.epsoweb.org



EPSO plant science addressing grand challenges

EPSO Workshop

Plant Productivity for Food – from models to crops

organised by Chiara Tonelli / Dirk Inze

- Bring together plant biologists and other experts across disciplines
Academia, industry, ERA-Net Plant Genomics, European Commission
- Foster key / emerging / promising research areas
Knowledge on mechanisms controlling plant growth & tolerance to abiotic stress
→ How best translate to improve crop productivity?
- → White paper on current state and recommend research priorities and if appropriate needs in education, legal issues etc.
to the European Commission, ERA-Nets, national bodies



→ New ideas
Science collaborations
Input to research programmes



EPSO plant science addressing grand challenges

EPSO Workshop

Plant Productivity for Food – from models to crops

- Mechanisms controlling plant growth under normal conditions
- Stress tolerance
- What can biodiversity teach us?
- Improving crop productivity
 - What achieved / what needed? Academic perspective
 - How to translate basic findings? Industry perspective
- Discussion on the white paper 'A road map to improve European Crop productivity'



Many thanks to Chiara & Dirk

Speakers & participants

Guests

Sponsors

AnnaKarin, Dorothee & Hilde





Thank you and have an interesting workshop !



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