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# Characterizing plant and organisms interactions: challenges and opportunities involving high throughput plant phenotyping

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## 2<sup>nd</sup> EPPN Workshop: Plant Phenotyping

5<sup>th</sup> of September 2013

in Porto Heli, Greece

Plants develop by a complex interaction of genotypes with the environments. The need to characterize the phenome is essential to understand fundamental processes which determine the structure and function of plants. While significant progress has been made in molecular and genetic tools in plant science and breeding in recent years, the quantitative analysis of the phenotype has become a major bottleneck. Insufficient technical and conceptual capacity imposes a limitation on the plant scientific community to analyze the existing genetic resources for its interaction with the environment.

The European Plant Phenotyping Network (EPPN) is an EU-funded infrastructure project with the goal to create structural and functional synergies between the plant phenotyping institutions in Europe by linking phenotyping experts, user communities and technology development. The cornerstone of EPPN is the support of transnational access for a diverse user community to the major plant phenotyping facilities in Europe. Detailed information at: <http://www.plant-phenotyping-network.eu/>

EPPN offers Transnational Access:

- free of charge

- based on a simple selection procedure

- to 23 experimental plant phenotyping facilities

The workshop is organized as a satellite meeting of the EPSO conference 2013 and aims at discussing the needs and opportunities of plant phenotyping and the possibilities to access the EPPN facilities and will be organized in three sessions:

- case studies by users who obtained access to the facilities

- current EPPN platforms capacities, traits and technologies through case studies

- recent developments in plant phenotyping

### Registration

Participation is FREE to everyone interested in plant phenotyping. However, participants are expected to cover their travel and accommodation expenses.

Registration at: [http://www.plant-phenotyping-network.eu/eppn/information\\_workshop](http://www.plant-phenotyping-network.eu/eppn/information_workshop)

## Confirmed Speakers

Roberto Papa, Cereal Research Centre, Italy

Ancika Kodnic-Spika, Institute of Field and Vegetable Crops, Serbia

Pilar Catalàn, University of Zaragoza, Spain

John Doonan, Aberystwyth University, UK

Fabio Fiorani, Forschungszentrum Jülich, Germany

Malcolm Bennett, University of Nottingham, UK

Christophe Salon, INRA Dijon, France

Jörg-Peter Schnitzler, HMGU, Germany

Denes Dudits, Hungarian Academy of Sciences, Hungary

Uli Schurr, Forschungszentrum Jülich, Germany

Jacques Le Gouis, INRA Clermont Ferrand, France

## Venue and Accommodation

The workshop is organized as a satellite meeting to the 7<sup>th</sup> EPSO conference:

<http://www.epsoweb.org/7th-epsa-conference-1-4-september-2013-greece-draft>

at the [AKS Porto Heli Conference Centre](#).

Accommodation is recommended at the:

AKS Porto Heli,

AKS Hinitza Beach

Nautica Bay.

For online booking, please follow the instructions at:

<http://www.epsoweb.org/7th-epsa-conference-1-4-september-2013-greece-draft>

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