



**EUCARPIA cereal section meeting**  
**Breeding cereals for sustainable agriculture**

**19-20-21 March 2018**  
**Clermont-Ferrand, France**



**2<sup>nd</sup> International Wheat  
Innovation Workshop (IWIW<sub>2</sub>)**  
**22 March 2018**

Cereal production dramatically increased after the green revolution (1960-1990), but the production rate is now decreasing (see <http://www.wheatinitiative.org/about-wheat/factsheets-infographics>). The reason is a slight decrease of the surface cultivated with cereals because of competition with other crops or non-agricultural uses. Another reason is a slower yield progression, partially attributed to climate change. To face the challenge of food security for an ever growing world population, cereal yield must be pushed upward, but not at any cost. Indeed, intensive production systems using fertilizers and pesticides are increasingly questioned for their negative impacts on the environment or human health. Consumers and citizen are also more and more demanding for sustainable farming systems and safe products.

Plant breeding is often presented as a sustainable way to produce more and better. Recent developments in genomics, genotyping, phenotyping and breeding methodologies open new perspectives to design future varieties, with higher performance or resilience, targeting more specific conditions and utilizations, and more environmentally friendly.

The cereal section congress of EUCARPIA ([www.eucarpia.org](http://www.eucarpia.org)) is the opportunity to learn about recent developments in genetics and cereal breeding, from basic research on quantitative genetics, breeding methodology, crop modelling, genome organization and evolution to applied research on genome editing, QTL detection for marker assisted selection, plant-micro-organism interaction, biotic and abiotic stresses.

The 2<sup>nd</sup> edition of the International Wheat Innovation Workshop (IWIW<sub>2</sub>) is the opportunity to present complementary results obtained in major wheat programmes and pave the way for future collaborations and funding opportunities.



## EUCARPIA PRE-PROGRAMME



Key-note speakers  
19 – 21 March 2018  
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### Introduction

*Catherine Feuillet - Bayer, USA*

### Session I

Characterization and use of genetic resources  
*Andreas Graner - IPK, Germany*

### Session II

Genomics and epigenomics in the post sequence era  
*Scott Allen Jackson - U Georgia, USA*

### Session III

Yield potential and resource efficiency  
*John Foulkes - U Nottingham, UK*

### Session IV

Improving tolerance to biotic and abiotic stress  
*Heribert Hirt - KAUST, Saudi Arabia*

### Session V

High quality and safe cereals for food, feed and industrial use  
*Tatsuya Ikeda - NARO, Japan*

### Session VI

Future challenges and innovations  
*Peter Rogowsky - INRA, France*

## PRACTICAL INFORMATION

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**Early bird registration** June 1<sup>st</sup> - November 30<sup>th</sup> 2017

**Late registration** December 1<sup>st</sup> 2017 - February 28<sup>th</sup> 2018

**Abstract submission** August 1<sup>st</sup> – December 1<sup>st</sup> 2017



## IWIW2 PRE-PROGRAMME

22 March 2018

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### Introduction

*Achievements of the Wheat Initiative, Progress update on major multi-country/institutions wheat research programs, European Commission funding opportunities, Future important breeding targets*

### Session I

Genetic resources and pre-breeding

### Session II

Phenotyping and adaptation

### Session III

Bio-informatics

For each session, presentations and exchanges around results from major wheat programs



## REGISTRATION FEES

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Registration fee includes admission to all sessions, welcome reception, symposium lunches and dinners, coffees and refreshments in the breaks, excursion, volcanic event and electronic abstract book.

	Registration until November 30th, 2017	Registration until January 31st, 2018
EUCARPIA Members	400.00 €	480.00 €
Non EUCARPIA Members	440.00 €	520.00 €
Students	200.00 €	250.00 €
Accompanying Persons	150.00 €	200.00 €

*Participation to the IWIW2 on March 22 is free.*

For further information:

<https://symposium.inra.fr/eucarpia-cereal2018>

[CerealesEucarpia2018@inra.fr](mailto:CerealesEucarpia2018@inra.fr)