

## Postgraduate Course

# Fundamentals of Crop Physiology in a Changing World

3 - 8 June 2018

(Hotel de Bosrand, Ede, the Netherlands)



### SCOPE AND AIM

This course focusses on the fundamental knowledge of and insight in crop physiology required to tackle the challenges agronomic practices are confronted with given the changing world. Here changing world refers to changes in the environment (water, temperature, CO<sub>2</sub>), increased as well as demands on food production and quality.

The aim of this course is to understand the effects of temperature, light, CO<sub>2</sub> or water on the carbon source-sink relationships of plants and to improve the underlying models. Focus will be an integrative approach to tackle physiological challenges and questions related to the changing world addressing crop physiology at different scales of space (field to region and the globe), time (seconds to decades), and level of integration (gene to whole plant).

Course toolbox will be a variety of crop models (e.g. Gene-based Modelling, Functional-Structural Plant Modelling, Dynamic Crop Growth Modelling, Decision Support Systems). which will be judged on what they can offer and how they should be adjusted to support agronomic practice decisions in a current and future changing world (e.g. extreme, erratic conditions).

### COURSE LECTURERS AND ORGANISERS

- Kenneth Boote, University of Florida, USA
- Melanie Correll, University of Florida, USA
- Jochem Evers, Wageningen University, NL
- Frank Ewert, University of Bonn, Germany
- Jeremy Harbinson, Wageningen University, NL
- Gerrit Hoogenboom, University of Florida, USA
- Jon Lizaso, Universidad Politécnica de Madrid, Spain
- Pierre Martre, INRA, France
- Alejandro Morales, Wageningen University, NL
- Pepijn van Oort, Wageningen University, NL
- Rafael Ribeiro, Wageningen University, NL
- Paul Struik, Wageningen University, NL
- Claudius van de Vijver, Wageningen University, NL
- Xinyou Yin, Wageningen University, NL

### COURSE FEES <sup>1</sup>

	Early-bird <sup>2</sup>	Regular <sup>2</sup>
PhD candidates of Wageningen University or University of Florida	€ 300,-	€ 350,-
Other PhDs, postdocs and staff members of organizing institutes	€ 750,-	€ 800,-
All others	€ 1.000,-	€ 1.050,-

<sup>1</sup> includes accommodation, course materials, coffee/tea/meals.

<sup>2</sup> early-bird fee applies only if you register **ON OR BEFORE 5 JUNE 2018**

### REGISTRATION / INFORMATION

See: <https://www.pe-rc.nl/crop-physiology>

Or contact: Claudius van de Vijver (PE&RC)

E-mail: [claudius.vandevijver@wur.nl](mailto:claudius.vandevijver@wur.nl)

