

**Agenda ZuGAbE Workshop**  
**Non-invasive Detection of Plant Responses in Greenhouses**  
**7<sup>th</sup> -10<sup>th</sup> November 2017**  
**Geisenheim University**

**Day 1, 7<sup>th</sup> Nov.**

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9:00 – 9:15	Welcome (Prof. Dr. Annette Reineke, Vice president Geisenheim University)
9:15 – 9:45	Round table introduction of participants
9:45 – 10:00	Introduction to the ZuGAbE Project (Dr. Evelyn Dimkou, Geisenheim University)
10:00 – 10:30	Coffee break, group photo
10:30 – 12:00	Introduction to Non-invasive Detection of Plant Responses in Greenhouses (Frederik Langner, Geisenheim University)
12:00 – 13:30	Lunch break
13:30 – 15:00	Phenotyping of Crop Plants (Dr. Laura Junker, Forschungszentrum Jülich)
15:00 – 15:15	Coffee break
15:15 – 16:45	Climate and Irrigation Control in Greenhouses Based on Plant Responses (Prof. Dr. Nikos Katsoulas, University of Thessaly)
19:30	Wine tasting, Seminar Keller

**Day 2, 8<sup>th</sup> Nov.**

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9:00 – 10:30	Virtual plants: Architectural Modelling in Greenhouse Horticulture – Quo vadis? (PD Dr. Katrin Kahlen, Geisenheim University)
10:30 – 11:00	Coffee break
11:00 – 12:30	Mobile Online Systems for Irrigation Management in Open Field and In Greenhouses (Prof. Dr. Jana Zinkernagel, Geisenheim University)
12:30 – 13:30	Lunch break
13:30 – 15:00	Applications for 3D Plant Phenotyping Using (Multispectral) Laser Scanning from the Lab to the Field (Dr. Philipp von Gillhaussen, Phenospex)
15:00 – 15:15	Coffee break
15:15 – 16:15	Hyperspectral Imaging for Crop Water and Nutrients Status Assessment in Greenhouses (Dr. Angeliki Elvanidi, University of Thessaly)
16:15 – 17:15	Visit ZIG and FACE facilities

**Day 3, 9<sup>th</sup> Nov**

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9:00 – 10:30	Identification/Definition of topics for future activities within the ZuGAbE exchange program (Dr. Johannes Max & Prof. Dr. Nikos Katsoulas)
10:30 – 11:00	Coffee break
11:00 – 12:00	Roundtable discussion of topics for scholarship holders
12:00 – 13:00	Lunch break
13:00 – 14:30	Funding opportunities: Introductory presentation (Dr. Christiane Jost, Geisenheim University) Roundtable collection of ideas from each partner
14:30 – 14:45	Coffee break
14:45 – 16:15	Open group discussions on topics for future joint project proposals

**Day 4, 10<sup>th</sup> Nov**

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Excursion to the research institute of Jülich. Departure 8 am, parking space Geisenheim University. Please carry your ID card or your passport with you!

