

Conference Program - FACEing the Future | Food Production and Ecosystems under a Chancing Climate

Time	Sep 26	Time	Sep 27	Speaker	Talk / Info	Time	Sep 28	Time	Sep 29	Speaker	Talk / Info
		09:00-09:30	Nutrient cycling	Keynote: Christian Körner	Session Chair: Jean-Francois Exbrayat Lecture Hall C 5a			09:00-09:30	Ecophysiology	Keynote: Rolf Siegwolf	Session Chair: Michael Bahn Lecture Hall C 5a
		09:30-09:50	Talk 1-01	Tobias Rütting	Elevated CO2 leads to increased nitrogen mineralization dynamics in nitrogen limited ecosystems only - a new <u>conceptual framework</u>			09:30-09:50	Talk 6-01	Carlos Alberto Martinez	Impacts of elevated CO2 and warming on the performance of C4 and C3 forage species in Brazilian tropical conditions
		09:50-10:10	Talk 1-02	Ina C Meier	Exudation increases N availability to plants by stimulating microbial turnover of amino sugars more than soil organic matter			09:50-10:10	Talk 6-02	Markus Dier	Is ammonia based fertilization better than nitrate based under elevated CO2?
		10:10-10:30	Talk 1-03	César Terrer	Mycorrhizae, Plants, And Rising Atmospheric Carbon Dioxide: A New Hypothesis	09:00-11:30	Excursion to FACE grassland Starting point: In front of the New Chemistry Building, Foyer Basement 1	10:10-10:30	Talk 6-03	Qicheng Bei	Response of the rhizosphere microbiome to elevated CO2 in grassland
		10:30-11:00	<i>Coffee break</i>		<i>Foyer Basement 1</i>			10:30-11:00	<i>Coffee break</i>		<i>Foyer Basement 1</i>
		11:00-11:30	Phyllosphere, pests and pathogens	Keynote: Fiona Doohan	Session Chair: Annette Reineke Lecture Hall C 5a			11:00-11:30	Modelling and meta-analysis	Keynote: Sönke Zähle	Session Chair: Heidi Webber Lecture Hall C 5a
		11:30-11:50	Talk 2-01	Scott Johnson	Will it suck being an aphid in a CO2 enriched world?			11:30-11:50	Talk 7-01	Michael Bahn	From meta-confusion to a new generation of global-change experiments and meta-analyses
		11:50-12:10	Talk 2-02	Moustafa Selim	Impact of elevated CO2 concentration on grapevine (Vitis vinifera) interaction with downy mildew (Plasmopara viticola)			11:50-12:10	Talk 7-02	Katrin Kahlen	Modelling climate change effects on the interplay of plant architecture and productivity
		12:10-12:30	Talk 2-03	Ebru Leyla Aydogan	Impact of climate changes on the diversity and abundance of culturable bacteria living in the phyllosphere of a permanent grassland			12:10-12:30	Talk 7-03	Ingrid Jacquemin	Using a dynamic vegetation model for future projections of crop yields: simulations from the plot scale to the Belgian and European scales
		12:30-13:30	<i>Lunch</i>		<i>Foyer Basement 1</i>	12:00-13:00	<i>Lunch Foyer Basement 1</i>	12:30-13:30	<i>Lunch</i>		<i>Foyer Basement 1</i>
		13:30-14:00	Yields, food quality and phenotypes	Keynote: Steve Long	Session Chair: Teis N. Mikkelsen Lecture Hall C 5a - incl. German Society of Agronomy	13:00-15:00	Transfer to Geisenheim Starting point: In front of the New Chemistry Building, Foyer Basement 1	13:30-13:50	Talk 7-04	Delphine Deryng	Regional disparities in the beneficial effects of rising CO2 concentrations on crop water productivity
		14:00-14:20	Talk 3-01	Maryse Bourgault	Effects of future atmospheric CO2 concentration on crop productivity under Free Air CO2 Enrichment in a semi-arid environment			13:50-14:10	Talk 7-05	Tamon Fumoto	Testing a process-based biogeochemistry model, DNDC-Rice, by the FACE experiments on a rice field in Japan
		14:20-14:40	Talk 3-02	Petra Högy	Foodomics: new insights in wheat grain quality under elevated CO2			14:10-14:30	Talk 7-06	Martina Lori	Enhanced microbial abundances and activities in soils under organic farming - a global meta-analysis
		14:40-15:00	Talk 3-03	Malin Broberg	CO2 induced changes in wheat grain stoichiometry			14:30-15:00	<i>Coffee break</i>		<i>Foyer Basement 1</i>
15:00-17:00	Registratation Foyer Basement 1	15:00-15:20	Talk 3-04	Remy Manderscheid	FACE increases N remobilization and N acquisition during grain filling in wheat mitigating a decrease of grain N concentration	15:00-15:30	<i>Coffee break Geisenheim University</i>	15:00-15:30	Trace gas emissions	Keynote: Liz Baggs	Session Chair: Andreas Gättinger Lecture Hall C 5a
	Conference Venue: New Chemistry Building Heinrich-Buff-Ring 17&19, Giessen, Germany	15:20-15:40	<i>Coffee break</i>		<i>Foyer Basement 1</i>	15:30-17:00	Excursion to FACE vineyard with walk in the vineyard Geisenheim University	15:30-15:50	Talk 8-01	Takeshi Tokida	Growth-stage dependence of CH4 emissions from rice paddies exposed to atmospheric CO2 enrichment
		15:40-16:10	Advances in FACE and manipulation techniques	Keynote: Claus Beier	Session Chair: Teis N. Mikkelsen Lecture Hall C 5a - incl. German Society of Agronomy			15:50-16:10	Talk 8-02	Gerald Moser	Tracing changes in soil N transformations to explain the doubling of N2O emissions under elevated CO2 in the Giessen FACE
16:30-17:00	Conference opening Lecture Hall C 5a	16:10-16:30	Talk 3-05	Andreas Fangmeier	A new FACE technology - small and smart			16:15	End of Conference		Closing remarks
17:00-18:00	Opening talk Mojib Latif Lecture Hall C 5a	16:30-16:50	Talk 3-06	Franz-Werner Badeck	Diversity in growth, grain yield and quality response of 12 durum wheat genotypes to FACE						
		16:50-17:10	Talk 3-07	Toshihiro Hasegawa	Strong interaction of CO2 and temperature on rice yield and quality evidenced by 13 seasons of Free-Air-CO2-Enrichment (FACE) experiments	17:00-21:00	Conference dinner in a wine cellar in Geisenheim with joint wine tasting Geisenheim University				
		17:10-17:30	Talk 3-08	Yvette Wohlfahrt	Multi-seasonal effects of elevated CO2 on growth and grape quality of Vitis vinifera cvs. Riesling and Cabernet Sauvignon						
18:00-open end	Icebreaker, Poster Party with Welcome Barbecue	18:00-19:30			Experimental lecture at Liebig museum: www.liebig-museum.de or experimental lecture at the Mathematikum: www.mathematikum.de						
	Foyer Basement 1					20:00	Poster Award				
		19:30 - Open end			Dinner at „Alt Giessen“ Westanlage 30-32, Giessen	21:00-22:30	Return to Gießen				