

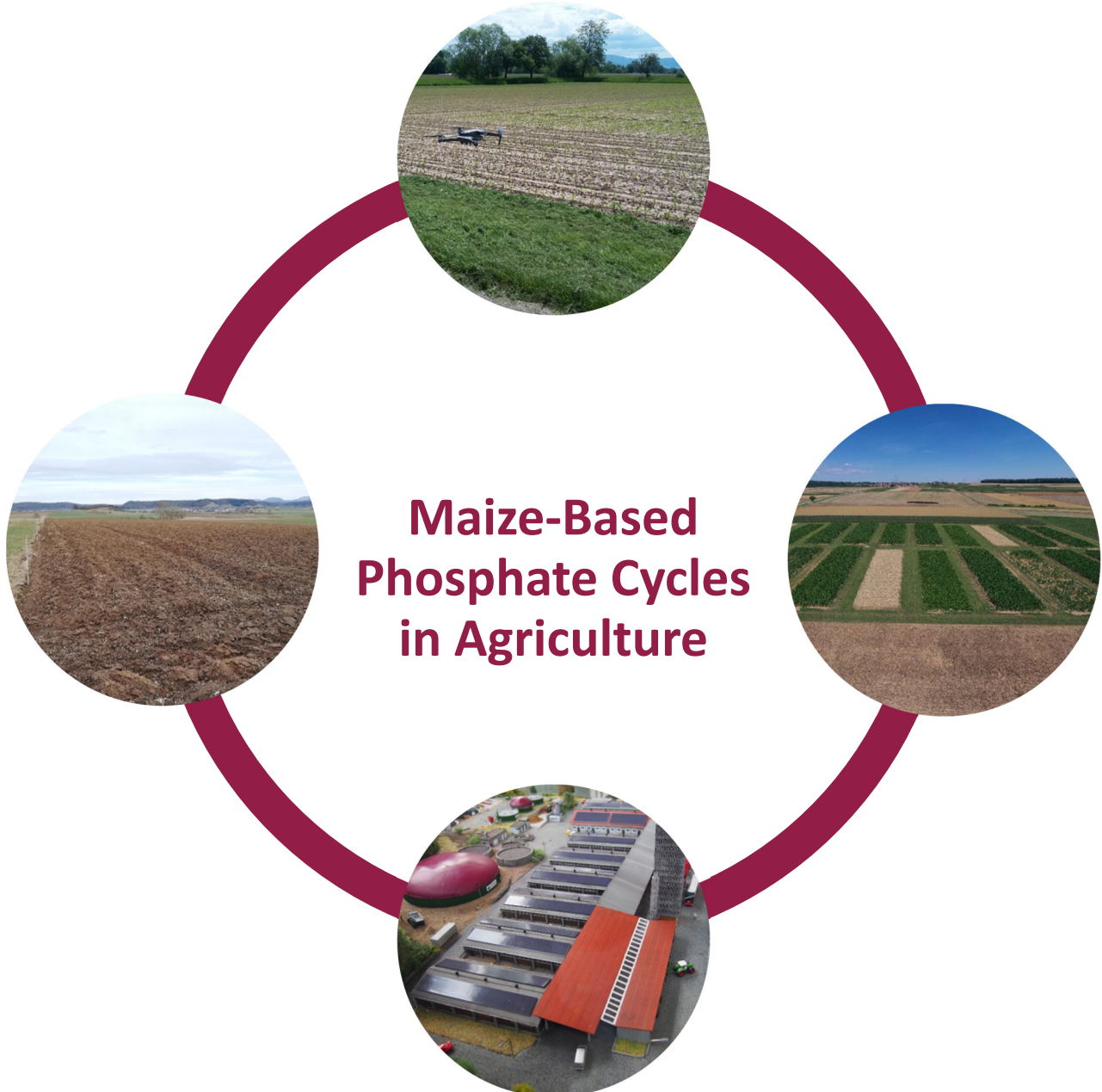


UNIVERSITY OF
HOHENHEIM



AMAIZE-P

Sino-German Conference on



Sixth Block Seminar of the 1st Generation
First Block Seminar of the 2nd Generation
25 October - 07 November 2021 (hybrid)

Funded by



Deutsche
Forschungsgemeinschaft (GRK 2366)
German Research Foundation

Genetic potential of maize under different P supplies (Subject Area 1)

Monday, 25 October 2021: Sixth block seminar of IRTG AMAIZE-P (Day 1)

Venues: University of Hohenheim, Katharinasaal in Euroforum

Meeting room 5-219, Zihuan Building, CAU West Campus

Chairperson: Prof. Dr. Joachim Müller

Time CEST Beijing time	Content	Speakers	Title/organization
08:30-08:40 14:30-14:40	Opening and Introduction	Prof. Dr. Joachim Müller	University of Hohenheim
08:40-08:50 14:40-14:50	Welcome address from University of Hohenheim (online)	Prof. Dr. Andreas Pyka Vice-President for Internationalization	University of Hohenheim
08:50-09:00 14:50-15:00	Welcome address from Ministry of Food, Rural Affairs and Consumer Protection (MLR), Baden-Württemberg (online)	Ms. Grit Puchan	MLR Baden-Württemberg
09:00-09:10 15:00-15:10	Welcome address by CAU Vice President	Prof. Dr. Taisheng Du CAU Vice-President for Internationalization	China Agricultural University
09:10-09:15 15:10-15:15	Welcome address by Head of International Office	Prof. Dr. Weizhe Feng	China Agricultural University
09:15-09:25 15:15-15:25	Welcome addresses from Deans of Colleges	Prof. Dr. Ralf Vögele Prof. Dr. Zhenling Cui	University of Hohenheim China Agricultural University
09:25-09:35 15:25-15:35	Welcome addresses from Spokespersons	Prof. Dr. Torsten Müller Prof. Dr. Fusuo Zhang	University of Hohenheim China Agricultural University
09:35-09:55 15:35-15:55	Group photo and coffee break UHOH Group photo and tea break CAU		
Chairperson: Mr. Konstantin Dinkler			
09:55-10:00 15:55-16:00	Opening of International Scientific Doctoral Researchers' Conference	Konstantin Dinkler	University of Hohenheim
10:00-10:30 16:00-16:30	Multi-omics study of maize under different P supplies	Dong Dong Li (RS 1.1) Zhe Chen (RS 1.2) Liyang Wang (RS 1.3) Yang Han (RS 1.3)	China Agricultural University
10:30-11:00 16:30-17:00	Understanding maize from multilevel data sets: Phenomics, Genomics, Transcriptomics and Proteomics	Thea Mi Weiß (RS 1,1), Melissa Mang (RS 1.2) Mingjie He (RS 1.3)	University of Hohenheim
11:00-11:25 17:00-17:25	Poster session and coffee	RS 1.1 to RS 1.3	

11:25-12:15	Lunch break at UHOH		
17:25-18:15	Dinner at CAU		
Chairperson: Mr. Konstantin Dinkler			
12:15-13:00	Challenges to build breeding programs in China (online)	Dr. Lisa-Marie Braune	KWS SAAT SE
18:15-19:00			
13:00-13:45	Feeding hungry plants: Purple acid phosphatases play a pivotal role in phosphorus nutrition (online)	Prof. Dr. William Plaxton	Queen's University, Kingston, Ontario, Canada
19:00-19:45			
13:45-14:00	Final remarks and discussion Day 1		
19:45-20:00			

ZOOM Meeting Day 1 (25 October):

<https://uni-hohenheim.zoom.us/j/81590733529?pwd=RGlnelZGbnFjTDZqaWxjM2FPYzd4dz09>

Meeting ID: 815 9073 3529

Passcode: XrCCn6

Excursion

Tuesday, 26 October 2021: Sixth block seminar of IRTG AMAIZE-P (Day 2)

Departure: 07:00 AM from Heinrich-Pabst-Strasse in Stuttgart-Hohenheim

Travel (by coach) to Fischereiforschungsstelle Baden-Württemberg in Langenargen

Morning visit: Fischereiforschungsstelle (Fishery Research Station) Baden-Württemberg at Lake Constance (organized by MLR Baden-Württemberg): Argenweg 50/1, 88085 Langenargen

https://lazbw.landwirtschaft-bw.de/pb/_Lde/Startseite/Themen/Fischereiforschungsstelle

Time (CET)	
10:00-11:30	Guided tour through the research station (English language guide).
11:30	Walk to the pier
12:00-13:00	Ship ride on Lake Constance
12:00-13:00	Lunch on ship (fish buffet)
13:00	Arrival at pier
13:00-14:00	Walk back to research station, time for questions, closing

Departure: 14:00 h: Transfer to Zwiefalten Monastery in Zwiefalten

Afternoon visit: Zwiefalten Monastery: Beda-Sommerberger-Strasse 3, 88529 Zwiefalten

16:00-17:00 Guided tour; German with English translation

Departure: 17:00 h: Transfer to Trochtelfingen

Albquell Bräuhaus Lindenplatz 6, 72818 Trochtelfingen <http://www.albquell-brauhaus.de/>

18:00-20:00 Supper and beer at Albquell Bräuhaus (with own beer brewery)

Departure: 20:00 h: Return to Heinrich-Pabst-Strasse in Stuttgart-Hohenheim

Arrival: 21:30 h (approx.)

Efficient P management and related risks with limited P resources (Subject Area 2)

Wednesday, 27 October 2021: Sixth block seminar of IRTG AMAIZE-P (Day 3)

Venues: University of Hohenheim, Katharinsaal in Euroforum

Meeting room 5-219, Zihuan Building, CAU West Campus

Chairperson: Mr. Peter Lux

CEST Beijing time	Content	Speakers	Organization
08:00-08:30 14:00-14:30	Increasing soil phosphate availability and phosphate fertilizer efficiency	Yawen You, Daniel Wanke (RS 2.2)	University of Hohenheim
08:30-09:15 14:30-15:15	Organic phosphorus by ³¹ P-NMR spectroscopy and the effects of fertilization, and bioeffectors on maize growth, and of land use on soil P (online)	Prof. Dr. Alessandro Piccolo	University of Naples, Naples, Italy
09:15-10:00 15:15-16:00	Phytic acid in cereal and legume foods is a major cause of iron deficiency and anaemia in low-and-middle income countries (online)	Prof. Dr. Richard Hurrell	Institute of Food Nutrition and Health, ETH Zurich, Zurich, Switzerland
10:00-12:15 16:00-18:15	Coffee and lunch break at UHOH Tea break and dinner at CAU		
Chairperson: Mr. Moritz Novotny			
12:15-13:00 18:15-19:00	Phosphorus Acquisition and Utilization in Plants (online)	Prof. Dr. Hans Lambers	University of Western Australia, Perth, Australia
13:00-13:30 19:00-19:30	Final remarks and discussion Day 3		
13:30-14:00 19:30-20:00	Poster session and coffee break	RS 2.1 to RS 2.4	
14:00-15:30	Guided tour to the Hohenheim botanical garden and castle		

ZOOM Meeting Day 3 (27 October):

<https://uni-hohenheim.zoom.us/j/82500288915?pwd=QzFuUnN1Qkg3cXN5S0RiZDloWnlhQT09>

Meeting ID: 825 0028 8915

Passcode: P87AsT

Maize – a multi-purpose crop (Subject Area 3)

Thursday, 28 October 2021: Sixth block seminar of IRTG AMAIZE-P (Day 4)

Venues: University of Hohenheim, Katharinasaal in Euroforum

Meeting room 2-232, Zihuan Building, CAU West Campus

Chairperson: Ms. Xiaomin Yu

CEST Beijing time	Content	Speakers	Organization
08:45-09:15 14:45-15:15	Cadmium accumulation in soil maize system: Geographical and usage differences between China and Germany (hybrid)	Giovanna Niño, Zhuang Zhong (RS 2.4)	University of Hohenheim, China Agricultural University
09:15-10:00 15:15-16:00	Phosphate mobilization during hydrothermal carbonization of sewage sludge	Dr. Paul Körner	Deutsches Biomasseforschungszentrum (DBFZ), Leipzig
10:00-10:30 16:00-16:30	Coffee break at UHOH Tea break at CAU		
Chairperson: Mr. Daniel Wanke			
10:30-11:00 16:30-17:00	Phos-fate in the Biogas process	Konstantin Dinkler (RS 3.3)	University of Hohenheim
11:00-11:30 17:00-17:30	Phytate degradation in the digestive tract of turkeys and broilers, fed maize-based diets	Moritz Novotny (RS 3.2)	University of Hohenheim
11:30-12:00 17:30-18:00	Poster session	RS 3.1 to RS 3.4	
12:00-12:15 18:00-18:15	Final remarks and discussion Day 4		
12:15-14:00 18:15-20:00	Lunch break at UHOH Dinner at CAU		

ZOOM Meeting Day 4 (28 October):

<https://uni-hohenheim.zoom.us/j/84162581523?pwd=eC9lYmU0Z1hyRisxR3lDOTg2U3grdz09>

Meeting ID: 841 6258 1523

Passcode: 1TvQ9t

Socio-economic assessment of Phosphate Sustainability (Subject Area 4)

Friday, 29 October 2021: Sixth block seminar of IRTG AMAIZE-P (Day 5)

Venues: University of Hohenheim, Katharinasaal in Euroforum

Meeting room 5-219, Zihuan Building, CAU West Campus

Chairperson: Ms. Thea Mi Weiß

CEST Beijing time	Content	Speakers	Organization
08:30-09:15 14:30-15:15	Environmental mitigation in crop-livestock production systems	Assoc. Prof. Dr. Yong Hou	China Agricultural University
09:15-10:45 15:15-16:45	Phosphorus flow analysis in the maize-based food-feed-energy systems in China	Zihan Wang (RS 4.2)	China Agricultural University
10:45-11:00 16:45-17:00	Coffee break at UHOH Tea break at CAU		
Chairperson: Ms. Yawen You			
11:00-11:45 17:00-17:45	Measuring the social benefits of recovering phosphorus from wastewater sludge	Prof. Dr. Michael Ahlheim	University of Hohenheim
11:45-12:15 17:45-18:15	Towards sustainable fertilizer management in China - from theory to farm household	Xiaomin Yu (RS 4.1)	University of Hohenheim
12:15-13:30 18:15-19:30	Lunch break at UHOH Dinner at CAU		
13:30-14:00 19:30-20:00	Poster session	RS 4.1 to RS 4.2	
14:00-14:15 20:00-20:15	Final remarks and discussion Day 5		

ZOOM Meeting Day 5 (29 October):

<https://uni-hohenheim.zoom.us/j/83104489672?pwd=ODkwKyt0amVzV1dILzJJR05ScWFZZz09>

Meeting ID: 831 0448 9672

Passcode: rX2iM8

Saturday, 30 October 2021:

Leisure. Networking between 1st and 2nd generation of doctoral candidates.

Sunday, 31 October 2021:

Time change to Central European Time (CET). New time difference with China: 7 hours.

Leisure. Networking between 1st and 2nd generation of doctoral candidates.

Monday, 01 November 2021:

Catholic Holiday in Baden-Württemberg: All Saints' Day.

Leisure. Networking between 1st and 2nd generation of doctoral candidates.

Excursion**Tuesday, 02 November 2021: First block seminar of IRTG AMAIZE-P of the 2nd generation (Day 1)**

08:00 h: Transfer by coach from bus stop "Universität Hohenheim" (Heinrich-Pabst-Str.) to Füßbach village, Kupferzell town, Hohenlohe County

Morning visit: Venue: Agro-Energie Hohenlohe GmbH & Co. KG in 74635 Kupferzell

Time (CET)			
09:00-10:00	Theory on recovery of nutrients and peat substitute products via the NutriSep method Economic evaluation of Agriplus consortium	Prof. Dr. Torsten Müller, Mr. Benedikt Müller Mr. Christian Sponagel	RS 2.2 RS 4.1
10:00-12:00	Visit of Nutrisep plant, as well as biogas plant and related installations	Mr. Thomas Karle Prof. Dr. Torsten Müller, Mr. Benedikt Müller	Agro Energie Hohenlohe GmbH & Co. KG RS 2.2

12:00-13:30 Lunch break at Agro-Energie Hohenlohe GmbH & Co. KG in 74635 Kupferzell

14.00-16:00: Transfer by coach from Füßbach village to Fellbach town

Afternoon visit: Venue: Vineyard in Fellbach

Fellbacher Weingärtner eG (cooperative wine-growers association), Kappelbergstraße 48, 70734 Fellbach <https://www.fellbacher-weine.de/>

16:00-16:15	Introduction to wine-growers association		
16:15-17:00	Visit wine cellar (1 st half group)		
16:15-17:00	Visit vineyard (2 nd half group)		
17:00-20:00	Swabian "Vesper" (cold dishes)		

20:00-20:45: Return by coach to bus stop "Universität Hohenheim" at Heinrich-Pabst-Strasse, in Stuttgart-Hohenheim

Wednesday 03 November 2021: First block seminar of IRTG AMAIZE-P of the 2nd generation (Day 2)**Morning session I: Talks by principle investigators and Presentations by doctoral researchers****Venues: University of Hohenheim, Katharinasaal in Euroforum****Meeting room 2-232, Zihuan Building, CAU West Campus**

Chairpersons: Dr. Mehdi Nkebiwe, Dr. n.n. (Chinese side)

Time CET Beijing time	Content	Speakers
08:00-08:45 15:00-15:45	Biogas production - on the way to closing nutrient cycles	Dr. Hans Oechsner, UHOH (RS 3.3)
08:45-09:30 15:45-16:30	P release from phytate in the digestive tract	Prof. Dr. Markus Rodehutschord, UHOH (RS 3.2)
09:30-10:00 16:30-17:00	Synergizing efficient P use and soil C sequestration through P-efficient genotypes	Dr. Wenfeng Cong, CAU (RS 4.2)
10:00-12:15 17:00-19:15	Coffee and lunch break at UHOH Tea break and dinner at CAU	
12:15-12:40 19:15-19:40	Overview of IRTG AMAIZE-P structure and topics	Prof. Dr. Torsten Müller, UHOH
12:40-13:00 19:40-20:00	RS 1.1	7.5 min. PhD student German side + 7.5 min. PhD student Chinese side + 5 min. discussion, same for all below
13:00-13:20 20:00-20:20	RS 1.2	
13:20-13:40 20:20-20:40	RS 1.3	
13:40-14:00 20:40-21:00	RS 2.1	

ZOOM Meeting Day 2 (03 November):

<https://uni-hohenheim.zoom.us/j/82591271043?pwd=QTY1aFVoSEV0TVVhTWxNZ2FFVFpaZz09>

Meeting ID: 825 9127 1043

Passcode: X46216

Thursday, 4 November 2021: First block seminar of IRTG AMAIZE-P of the 2nd generation (Day 3)

Morning session II: Talks by principle investigators and presentations by doctoral researchers

Venues: University of Hohenheim, Katharinasaal in Euroforum

Meeting room 2-232, Zihuan Building, CAU West Campus

Chairpersons: Mr. Gero Becker, Dr. n.n. (Chinese side)

CET Beijing time	Content	Speakers
08:00-08:25 15:00-15:25	Overview of University of Hohenheim; Overview of Sino-German cooperation	Prof. Dr. Reiner Doluschitz, UHOH (RS 4.1)
08:25-08:50 15:25-15:50	China's grain farmers tracking database	Prof. Ji Ma, CAU (RS 4.1)
08:50-09:10 15:50-16:10	RS 4.1	7.5 min. PhD student German side + 7.5 min. PhD student Chinese side + 5 min. discussion, same for all below
09:10-09:40 16:10-16:40	Agriculture Green Development: Biomass Waste Valorization for the Recover of Phosphorus from Animal Manure Wastewater	Assoc. Prof. Dr. Tao Zhang, CAU (RS 3.4)
09:40-10:00 16:40-17:00	RS 2.2 (part 1)	
10:00-10:20 17:00-17:20	Coffee break at UHOH Tea break at CAU	
10:20-10:40 17:20-17:40	RS 2.2 (part 2) incl. Mr. Ali M.Kurdestani, Mr. Benedikt Müller	2 x 7.5 min. PhD students German side + 5 min. discussion
10:40-11:00 17:40-18:00	RS 2.3	7.5 min. PhD student German side + 7.5 min. PhD student Chinese side + 5 min. discussion, same for all below
11:00-11:20 18:00-18:20	RS 2.4	
11:20-11:40 18:20-18:40	RS 3.1	
11:40-12:00 18:40-19:00	RS 3.2	
12:00-13:00 19:00-20:00	Lunch break at UHOH Dinner at CAU	

ZOOM Meeting Day 3 (04 November):

<https://uni-hohenheim.zoom.us/j/85859595367?pwd=d0hSMVVRNjRkdWVVKOEQ0ZzVGWHIPdz09>

Meeting ID: 858 5959 5367

Passcode: T4wLDU

Friday, 5 November 2021: First block seminar of IRTG AMAIZE-P of the 2nd generation (Day 4)

Morning session III: Talks by principle investigators and presentations by doctoral researchers

Venues: University of Hohenheim, Katharinasaal in Euroforum

Meeting room 2-232, Zihuan Building, CAU West Campus

Chairpersons: Dr.Marco Roelcke, Dr. n.n. (Chinese side)

CET Beijing time	Content	Speakers
08:00-09:00 15:00-16:00		AMAIZE-P Advisory Board Meeting
09:00-09:45 16:00-16:45	Important aspects of phosphorus use in agriculture: a nutritional crop physiologists' view	Prof. Dr. Uwe Ludewig, UHOH (RS 1.2)
09:45-10:15 16:45-17:15	Genetic Architecture of Phosphorus Use Efficiency in Maize	Assoc. Prof. Wenxin Liu, CAU (RS 1.1)
10:15-10:35 17:15-17:35	Coffee break at UHOH Tea break at CAU	
10:35-10:55 17:35-17:55	RS 3.3	7.5 min. PhD student German side + 7.5 min. PhD student Chinese side + 5 min. discussion, same for all below
10:55-11:20 17:55-18:20	RS 3.4 incl. Mr. Muhammad-Jamal Alhnidi	
11:20-11:40 18:20-18:40	RS 4.2	
11:40-11:50 18:40-18:50	future RS 4.3	7.5 min. presentation by new PhD student Chinese side (+ 2.5 min. discussion)
11:50-12:00 18:50-19:00	Joint plenary discussion of days II, III, IV; aspects for cooperation between RS.	
12:00-12:15 19:00-19:15	Closing ceremony	Dr. Marco Roelcke, UHOH, Prof. Torsten Müller, UHOH, Prof. Lixing Yuan, CAU Prof. Dr. Huaiyu Yang, SWU
12:15-13:15 19:15-20:15	Lunch break at UHOH Dinner at CAU	

ZOOM Meeting Day 4 (05 November):

<https://uni-hohenheim.zoom.us/j/85313034214?pwd=d29ENXdJSSsrRHdqQTQ1Um5DRTJNz09>

Meeting ID: 853 1303 4214

Passcode: zfb8Km

Saturday, 06 November 2021:**Educational contents for 2nd generation of doctoral candidates at University of Hohenheim:****Venue: Lecture hall HS 35, Fruwirthstrasse 48 (Kavaliershaus 4), ground floor**

Approx. 17 participants

08:30-12:00	"FIT for China" seminar, part I morning session	Ms. Fang-An Kuo	Language Center, University of Hohenheim
12:00-13:00	Lunch break (Catering provided at venue)		
13:00	Group photo		
13:00-18:00	"FIT for China" seminar, part I afternoon session	Ms. Fang-An Kuo	Language Center, University of Hohenheim

Venue: Thomas-Müntzer-Scheuer (TMS), - Emil-Wolff-Strasse 20

19:00-24:00 Evening party by PhD students

Sunday, 07 November 2021:**Educational contents for 2nd generation of doctoral candidates at University of Hohenheim:****Venue: Lecture hall HS 35, Fruwirthstrasse 48 (Kavaliershaus 4), ground floor**

Approx. 17 participants

08:30-12:00	"FIT for China" seminar, part II morning session	Ms. Fang-An Kuo	Language Center, University of Hohenheim
12:00-13:00	Lunch break (Catering provided at venue)		
13:00-18:00	"FIT for China" seminar, part II afternoon session	Ms. Fang-An Kuo	Language Center, University of Hohenheim

Participants List

Invited speakers

1. Dr. Lisa-Marie Braune, KWS SAAT SE, Einbeck, Germany
2. Prof. Dr. William Plaxton, Queen's University, Kingston, Ontario, Canada
3. Prof. Dr. Alessandro Piccolo, University of Naples, Naples, Italy
4. Prof. Dr. Richard Hurrell, Institute of Food Nutrition and Health, ETH Zurich, Switzerland
5. Prof. Dr. Hans Lambers, University of Western Australia, Perth, Australia
6. Dr. Paul Körner, Deutsches Biomasseforschungszentrum (DBFZ), Leipzig, Germany
7. Assoc. Prof. Dr. Yong Hou, College of Resources and Environmental Sciences, China Agricultural University, Beijing, China
8. Prof. Dr. Michael Ahlheim, University of Hohenheim, Stuttgart, Germany

9. Ms. Fang-An Kuo, Stuttgart, Germany

German Side

10. Prof. Dr. Torsten Müller, IRTG Spokesperson (German side), Institute of Crop Science, University of Hohenheim
11. Prof. Dr. Joachim Müller, IRTG Deputy Spokesperson (German side), Institute of Agricultural Engineering, University of Hohenheim
12. Prof. Dr. Reiner Doluschitz, former IRTG Deputy Spokesperson (German side), Institute of Farm Economics, University of Hohenheim
13. Dr. Marco Roelcke, IRTG Coordinator (German side), University of Hohenheim
14. Prof. Dr. Tobias Würschum, Institute of Plant Breeding, Seed Science and Population Genetics, University of Hohenheim
15. Prof. Dr. Uwe Ludewig, Institute of Crop Science, University of Hohenheim
16. Prof. Dr. Waltraud Schulze, Department of Plant Systems Biology, University of Hohenheim
17. Prof. Dr. Andreas Fangmeier, Institute of Landscape and Plant Ecology, University of Hohenheim
18. Prof. Dr. Andreas Schweiger, Institute of Landscape and Plant Ecology, University of Hohenheim
19. Prof. Dr. Simone Graeff-Hönniger, Institute of Crop Science, University of Hohenheim
20. Prof. Dr. Jan Frank, Institute of Biological Chemistry and Nutrition, University of Hohenheim
21. Prof. Dr. Markus Rodehutschord, Institute of Animal Science, University of Hohenheim
22. Jun.-Prof. Dr. Amélia Camarinha Silva, Institute of Animal Science, University of Hohenheim
23. Prof. Andrea Kruse, Institute of Agricultural Engineering, University of Hohenheim
24. Prof. Dr. Enno Bahrs, Institute of Farm Economics, University of Hohenheim
25. Dr. Hans Oechsner, State Institute for Agricultural Engineering and Bioenergy, University of Hohenheim
26. Dr. Peteh Mehdi Nkebiwe, Post-doctoral researcher, Research Subject (RS) 4.2, University of Hohenheim
27. Dr. Sebastian Munz, Post-doctoral researcher, Institute of Crop Science, University of Hohenheim

28. Dr. Jürgen Franzaring, Post-doctoral researcher, Institute of Landscape and Plant Ecology, University of Hohenheim
29. Ms. Dr. Kirsten Boysen-Urban, Post-doctoral researcher, International Trade and Food Security (490B), University of Hohenheim
30. Mr. Gero Becker, Institute of Agricultural Engineering, University of Hohenheim
31. Mr. Christian Sponagel, Institute of Farm Economics, University of Hohenheim
32. Ms. Dr. Xuelian Li, Post-Doctoral Researcher, German side, RS 1.2

33. Ms. Thea Mi Weiß, Doctoral candidate on German side, Research Subject (RS) 1.1
34. Ms. Sandra Roller, Doctoral candidate on German side, RS 1.1
35. Ms. Melissa Mang, Doctoral candidate on German side, RS 1.2
36. Mr. Nestór Fabián Pinilla, Doctoral candidate on German side, RS 1.2
37. Ms. Mingjie He, Doctoral candidate on German side, RS 1.3
38. Mr. Mr. Zeeshan Zeeshan, Doctoral candidate on German side, RS 1.3
39. Mr. Filippo Abele, Doctoral candidate on German side, RS 2.1
40. Ms. Shinhye Lee, Doctoral candidate on German side, RS 2.1
41. Ms. Fangfang Ning, Doctoral candidate external on German side, RS 2.1
42. Mr. Daniel Wanke, Doctoral candidate on German side, RS 2.2
43. Ms. Michelle Herrmann, Doctoral candidate on German side, RS 2.2
44. Ms. Yawen You, Doctoral candidate external on German side, RS 2.2
45. Mr. Ali Malakshahi Kurdestani, Doctoral candidate on German side, RS 2.2
46. Mr. Benedikt Müller, Doctoral candidate external on German side, RS 2.2
47. Ms. Alice Reineke, Doctoral candidate on German side, RS 2.3
48. Mr. Leon Oehme, Doctoral candidate on German side, RS 2.3
49. Ms. Andrea Giovanna Niño Savala, Doctoral candidate on German side, RS 2.4
50. Ms. Douae El Khaïter, Doctoral candidate on German side, RS 2.4
51. Mr. Peter Erwin Lux, Doctoral candidate on German side, RS 3.1
52. Mr. Esteban Gutierrez La Torre, Doctoral candidate on German side, RS 3.1
53. Mr. Moritz Novotny, Doctoral candidate on German side, RS 3.2
54. Mr. Ismael Rubio-Cervantes, Doctoral candidate on German side, RS 3.2
55. Mr. Konstantin Dinkler, Doctoral candidate on German side, RS 3.3
56. Ms. Naga Sai Uppuluri, Doctoral candidate on German side, RS 3.3
57. Mr. Jens Pfersich, Doctoral candidate on German side, RS 3.4
58. Mr. Antti Metsälä, Doctoral candidate on German side, RS 3.4
59. Ms. Qing Xue, Doctoral candidate external on German side, RS 3.4
60. Mr. Muhammad Jamal Alhnidi, doctoral candidate on German side, RS 3.4
61. Ms. Xiaomin Yu, Doctoral candidate on German side, RS 4.1
62. Mr. Tristan Herrmann, Doctoral candidate on German side, RS 4.1

63. Mr. Xiuhao Quan, Doctoral candidate, Pattern Management (PMC) BMBF-project, University of Hohenheim
64. Ms. Jinling Hu, Doctoral candidate, Institute of Crop Science, University of Hohenheim
65. Ms. Xintian Zhu, Doctoral candidate, Institute of Plant Breeding, Seed Science and Population Genetics, University of Hohenheim
66. Ms. Guanghui Wei, Doctoral candidate, Institute of Crop Science, University of Hohenheim
67. Ms. Xinyu Liu, Master student, Institute of Farm Economics, University of Hohenheim

Chinese Side

68. Prof. Dr. Fusuo Zhang, Academician, IRTG Spokesperson (Chinese side), National Academy of Agriculture Green Development, China Agricultural University (CAU)
69. Prof. Dr. Xuejun Liu, IRTG Deputy Spokesperson, Coordinator (Chinese side), College of Resources and Environmental Sciences (CRES), CAU
70. Prof. Dr. Lixing Yuan, Science Advisor (Chinese side), CRES, CAU
71. Prof. Dr. Xinping Chen, College of Resources and Environment, Southwest University
72. Prof. Dr. Huaiyu Yang, College of Resources and Environment, Southwest University
73. Prof. Dr. Huafen Li, CRES, CAU
74. Prof. Dr. Chunqin Zou, CRES, CAU
75. Prof. Dr. Xuexian Li, CRES, CAU
76. Prof. Dr. Pu Wang, College of Agronomy and Biotechnology, CAU
77. Prof. Dr. Shunli Zhou, College of Agronomy and Biotechnology, CAU
78. Prof. Dr. Xiongkui He, College of Agronomy and Biotechnology, CAU
79. Prof. Dr. Jianfen Liang, College of Food Science and Nutritional Technology, CAU
80. Prof. Dr. Ji Ma, College of Economics and Management, CAU
81. Prof. Dr. Haifeng Xiao, College of Economics and Management, CAU
82. Prof. Dr. Wu Laping, College of Economics and Management, CAU
83. Prof. Dr. Haigang Li, College of Inner Mongolia Agricultural University
84. Assoc. Prof. Dr. Lingyun Cheng, CRES, CAU
85. Assoc. Prof. Dr. Sen Yang, CRES, CAU
86. Assoc. Prof. Dr. Tao Zhang, CRES, CAU
87. Assoc. Prof. Dr. Hou Yong, CRES, CAU
88. Assoc. Prof. Dr. Prof. Wenxin Liu, College of Agronomy and Biotechnology, CAU
89. Assoc. Prof. Dr. Qiugang Ma, College of Animal Science and Engineering, CAU
90. Assoc. Prof. Dr. Jianbin Guo, College of Engineering, CAU
91. Dr. Tianxiang Hao, Postdoc, CRES, CAU
92. Dr. Xiaoqiang Jiao, Postdoc, CRES, CAU
93. Dr. Yangyang Zhang, Postdoc, CRES, CAU
94. Dr. Wei Zhang, Postdoc, College of Resources and Environment, Southwest University
95. Dr. Jiechen Wu, CRES, CAU (online participation from Sweden)
96. Dr. Wenfeng Cong, CRES, CAU
97. Dr. Yajuan Li, CRES, CAU
98. Dr. Shimeng Huang, College of Animal Science and Engineering, CAU
99. Dr. Zhichong Wang, Centre for Chemicals Application Technology (CCAT), CAU

100. Mr. Dongdong Li, Doctoral candidate on Chinese side, RS 1.1
101. Ms. Yan Du, Doctoral candidate on Chinese side, RS 1.1
102. Mr. Zhe Chen, Doctoral candidate on Chinese side, RS 1.2
103. Mr. Zheng Zhao, Doctoral candidate on Chinese side, RS 1.2
104. Mr. Liyang Wang, Doctoral candidate on Chinese side, RS 1.2
105. Mr. Kai Zhang, Doctoral candidate on Chinese side, RS 1.2
106. Ms. Yanting Zhong, Doctoral candidate on Chinese side, RS 1.3
107. Mr. Yang Han, Doctoral candidate on Chinese side, RS 1.3
108. Ms. Xiaoting Liu, Doctoral candidate on Chinese side, RS 1.3
109. Ms. Yan Sun, Doctoral candidate on Chinese side, RS 1.3
110. Ms. Zhenzhen Yan, Doctoral candidate on Chinese side, RS 2.1

111. Mr. Zhen Chen, Doctoral candidate on Chinese side, RS 2.1
112. Ms. Yuan Wang, Doctoral candidate on Chinese side, RS 2.2
113. Mr. Shunjing Li, Doctoral candidate on Chinese side, RS 2.2
114. Mr. Baogang Yu, Doctoral candidate on Chinese side, RS 2.2
115. Ms. Baiyu Qiao, Doctoral candidate on Chinese side, RS 2.3
116. Mr. Peng Qi, Doctoral candidate on Chinese side, RS 2.3
117. Ms. Xin Ma, Doctoral candidate on Chinese side, RS 2.4
118. Mr. Zhong Zhuang, Doctoral candidate on Chinese side, RS 2.4
119. Ms. Ruotong Si, Doctoral candidate on Chinese side, RS 2.4
120. Ms. Qiqi Wang, Doctoral candidate on Chinese side, RS 2.4
121. Mr. Xiaohong Sun, Doctoral candidate on Chinese side, RS 3.1
122. Ms. Lei Ma, Doctoral candidate on Chinese side, RS 3.1
123. Ms. Lan Li, Doctoral candidate on Chinese side, RS 3.2
124. Ms. Bowen Li, Doctoral candidate on Chinese side, RS 3.3
125. Ms. Xueling Ran, Doctoral candidate on Chinese side, RS 3.3
126. Ms. Ting Yan, Doctoral candidate on Chinese side, RS 3.4
127. Ms. Qiong Wu, Doctoral candidate on Chinese side, RS 3.4
128. Ms. Xinjuan Cai, Doctoral candidate on Chinese side, RS 4.1
129. Mr. Zihan Wang, Doctoral candidate on Chinese side, RS 4.2
130. Ms. Wenjia Yu, Doctoral candidate on Chinese side, RS 4.2
131. Mr. Haiqing Gong, Doctoral candidate on Chinese side, RS 4.2
132. Mr. Bowen Ma, Doctoral candidate on Chinese side, RS 4.2
133. Ms. Xiaoxiao Li, Doctoral candidate on Chinese side, RS 4.3

Research subject No.	Title
Subject Area 1	
1.1	Genetic variation, genetic architecture and genomic prediction of P-use-efficiency traits in European and Chinese maize
1.2	Regulatory modules of carbon resource allocation under different phosphate availabilities
1.3	Importance of root architecture and rhizosphere-related processes for improving phosphate use efficiency
Subject Area 2	
2.1	Genotype to phenotype modelling of phosphate acquisition and related biomass and yield traits of maize
2.2	Increasing soil phosphate availability and phosphate fertilizer efficiency
2.3	Detecting phosphate status in soil and in maize canopies by non-invasive methods
2.4	Heavy metals from phosphate fertilizers in maize based food-feed-energy systems
Subject Area 3	
3.1	Impact of reduced-phosphate-availability on essential micronutrients in maize for human consumption
3.2	Inositol phosphates in the digestive tract and phosphate utilisation of farm animals fed maize
3.3	Deployment of phosphate resources for nutrient recycling via anaerobic digestion systems
3.4	Hydrothermal conversion of biomass to carbon materials with phosphate recovery
Subject Area 4	
4.1	Economic analyses at plot, farm enterprise, regional and sectoral levels
4.2	Synthesis and field experiments
4.3 (in preparation)	Economic assessment at national and global level (tentative title)

Project website:

<https://amaize-p.uni-hohenheim.de/>

**Contact Information:**

Prof. Dr. Torsten Müller: mobile: [redacted] torsten.mueller@uni-hohenheim.de
Dr. Marco Roelcke: mobile: [redacted] marco.roelcke@uni-hohenheim.de
Dr. Peteh Mehdi Nkebiwe: mobile: [redacted] mehdi.nkebiwe@uni-hohenheim.de
Mr. Konstantin Dinkler: mobile: [redacted] konstantin.dinkler@uni-hohenheim.de
Ms. Xiaomin Yu: mobile: [redacted] xiaomin.yu@uni-hohenheim.de
Mr. Tristan Herrmann: mobile: [redacted] tristan.herrmann@uni-hohenheim.de

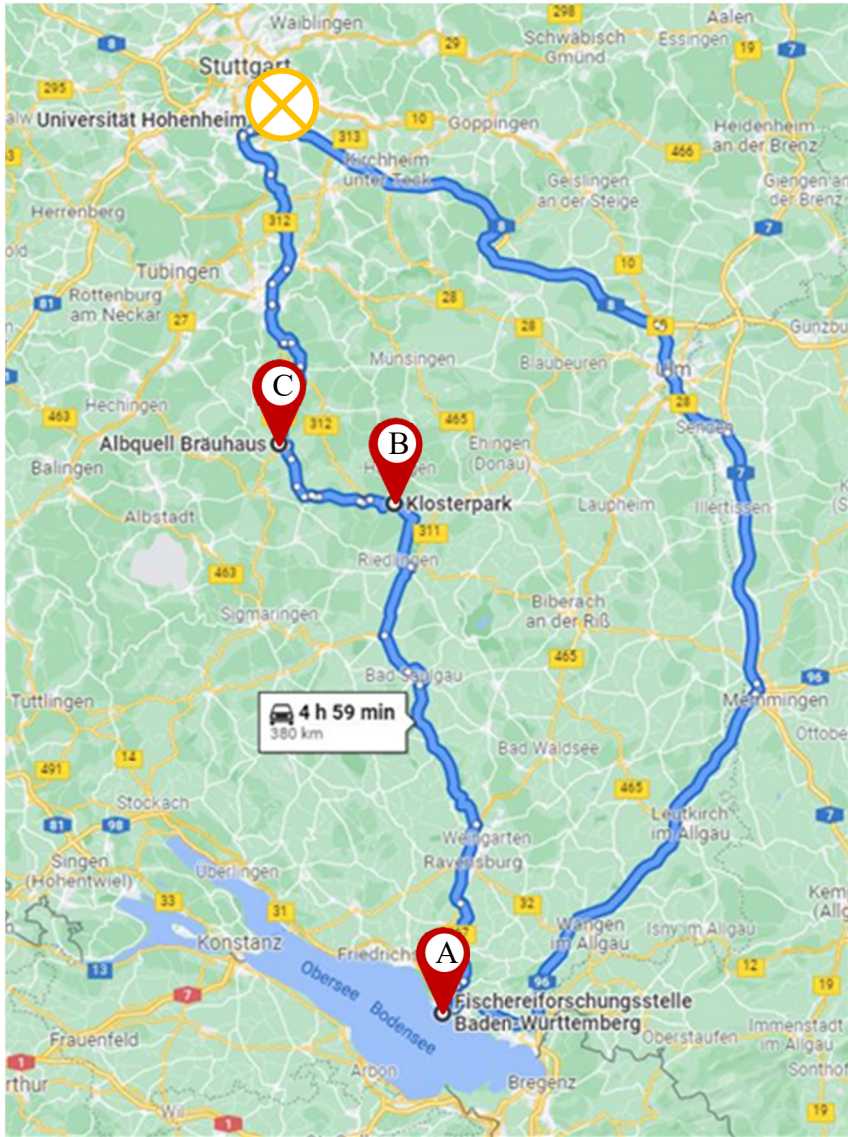
Prof. Dr. Xuejun Liu: mobile: [redacted]
Prof. Dr. Lixing Yuan: mobile: [redacted]
Ms. Assoc. Prof. Lingyun Cheng: mobile: [redacted]
Ms. Xin Ma: mobile: [redacted]
Ms. Ruotong Si: mobile: [redacted]

Please note:

During the block seminars the presentations will be recorded via the ZOOM recording function, upon special permission by the University of Hohenheim for the International Research Training Group AMAIZE-P, and via video camera in the lecture hall. Videos will be made available upon request for IRTG AMAIZE-P members only.

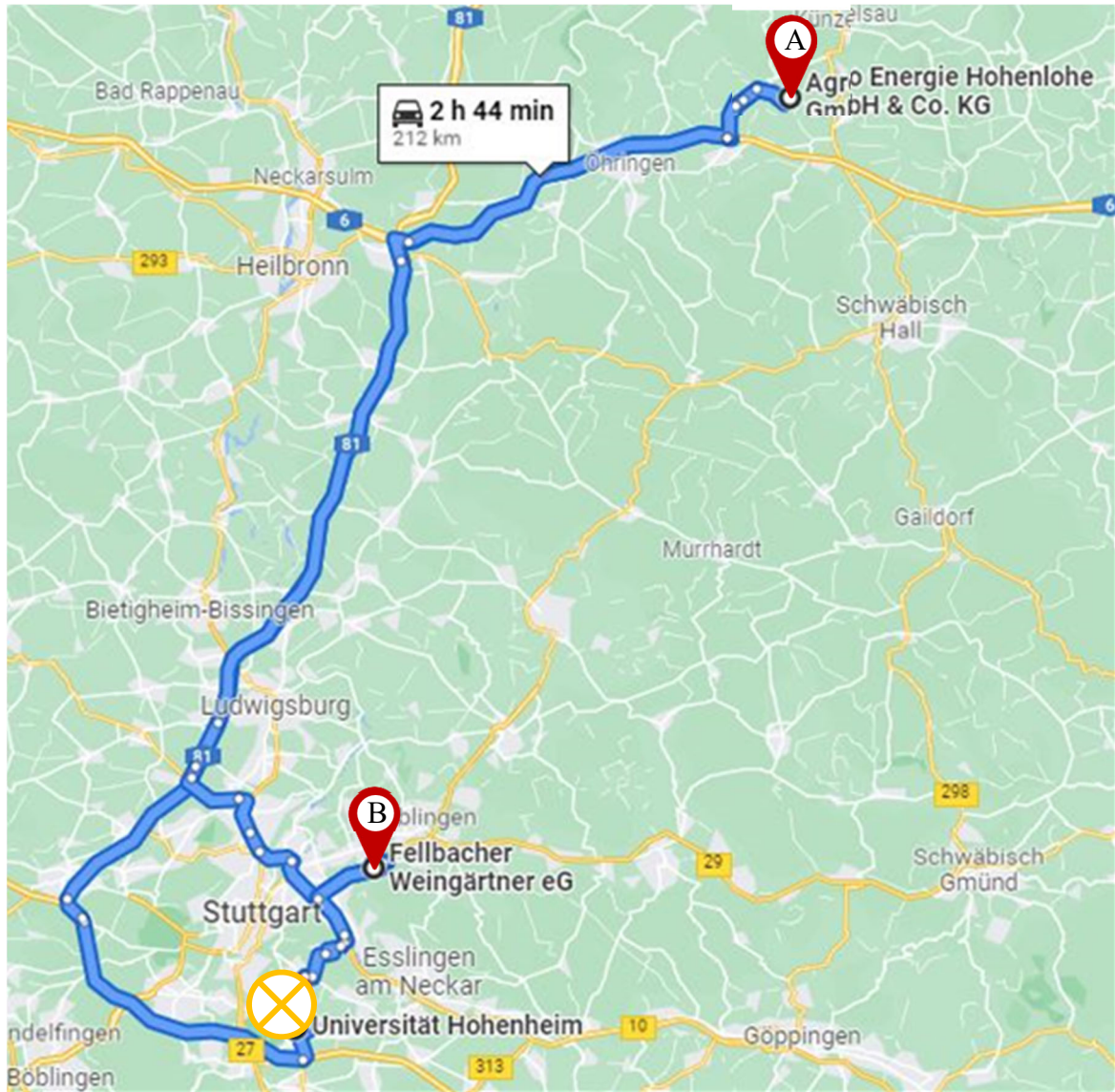
Hotel accomodation in Hohenheim:




Katholische Akademie Hohenheim
Paracelsusstraße 91, 70599 Stuttgart-Plieningen
Tel. (+49) 0711-451034600
hohenheim@akademie-rs.de www.akademie-rs.de



	University of Hohenheim
	Fishery Research Station Baden-Württemberg
	Zwiefalten Monastery
	Albquell Bräuhaus (Beer brewery)

Route of excursion on 26 October 2021 from Hohenheim to Fischereiforschungsstelle Baden-Württemberg (Argenweg 50/1, 88085 Langenargen), and further proceeding to Zwiefalten Monastery (Beda-Sommerberger-Strasse 3, 88529 Zwiefalten) and Albquell Bräuhaus (Lindenplatz 6, 72818 Trochtelfingen).



	University of Hohenheim
	Agro Energie Hohenlohe GmbH & Co. KG
	Fellbacher Weingärtner eG (Vineyard in Fellbach)

Route of excursion on 02 November 2021 from Hohenheim to Agro Energie Hohenlohe GmbH & Co. KG (Füssbach Village, 74635 Kupferzell) and Fellbacher Weingärtner (cooperative wine-growers association) (Kappelbergstraße 48, 70734 Fellbach).

