



UNIVERSITY OF  
HOHENHEIM



AMAIZE-P

## Third Block Seminar of the 3<sup>rd</sup> Cohort

### P Management at field and farm level

10 - 14 November 2025



**Sino-German International Research Training Group**

**AMAIZE-P**

中德国际研究培训项目

**Adaptation of maize-based food-feed-energy systems  
to limited phosphate resources**

粮食-饲料-能源玉米生产系统磷资源高效利用

Funded by

**DFG** Deutsche  
Forschungsgemeinschaft  
German Research Foundation

(GRK 2366/2)

Thursday, 30 October 2025:

*Educational contents for doctoral researchers at the University of Hohenheim:* 17 participants

<b>Venue: Aula, Hohenheim Palace 1 (central building)   1<sup>st</sup> floor</b>			
09:00-12:00	Workshop on “Equal Opportunities, Diversity and Competence Development” morning session	Ms. Elke-Maria Rosenbusch; Ms. Brigitte Ott-Goebel	Rosenbusch Kommunikation, Stuttgart, Germany Ott-Goebel Consulting, Stuttgart, Germany
10:30-10:45	Coffee break		
12:00-13:00	Lunch at University “Mensa”		
13:00	Group picture!		
14:30-14:45	Coffee break		
13:10-17:00	Workshop on “Equal Opportunities, Diversity and Competence Development” afternoon session	Ms. Elke-Maria Rosenbusch; Ms. Brigitte Ott-Goebel	Rosenbusch Kommunikation, Stuttgart, Germany; Ott-Goebel Consulting, Stuttgart, Germany

**Sunday, 02 November 2025: Arrival of Chinese PhD students in Hohenheim**

**Wednesday, 05 November 2025: Arrival of Chinese bachelor students in Hohenheim**

**Thursday, 06 November 2025:**

09:00-14:00 Bachelor students: Excursion in Hohenheim and Stuttgart region led by Prof. Torsten Müller

**Friday, 07 November 2025:**

13:00-14:00 Bachelor students: Meeting with Dean and members of Faculty of Agricultural Sciences

14:00-16:00 Bachelor students: Guided tour by students representatives through campus, Meiereihof experimental farm and Phytotechnikum (PHT) research greenhouse.

**Venue: Greenhouse of Institute of Crop Science (340 h+i), Fruwirthstrasse 20, south side:**

19:00-23:00 Social event of (post-)doctoral candidates and bachelor students (self-organized)

## **Excursion for doctoral candidates and bachelor students**

**Saturday, 08 November 2025:**

**Departure: 08:30 AM from Heinrich-Pabst-Strasse in Stuttgart-Hohenheim**

Travel (by coach) to "Oberer Lindenhof" Experimental Station

**Morning visit: Experimental Station "Oberer Lindenhof" of University of Hohenheim: 72813 Eningen unter Achalm**

<https://versuchsstation.uni-hohenheim.de/en/lindenhoefe-en>

Time (CET)	
09:40-10:20	Guided tour through the research station Oberer Lindenhof (on-site) by the head of station, Mr. Tobias Konrad.
10:20-10:50	Visit field plots "Tanne" and "Schenk" – with introduction to ongoing field experiments of RS 2.1.
10:50	Departure for Lichtenstein

**Noon visit: Lichtenstein Castle: 72805 Lichtenstein.**

<https://www.schloss-lichtenstein.de>

11:15	Arrival at Lichtenstein Castle
11:45 // 12:00	Guided tours (in English) of Lichtenstein Castle (split into two groups, 15 min. apart)
12:45-14:15	Lunch at Restaurant Schloßschenke (selection of dishes, preordered) <a href="https://www.schlossschenke-lichtenstein.de/">https://www.schlossschenke-lichtenstein.de/</a>
14:15	Departure

**Departure: 14:15 h (approx.): Return to Heinrich-Pabst-Strasse in Stuttgart-Hohenheim**

**Arrival: 16:00 h (approx.)**

For excursion on 08 November 2025 see map on p. 19.

**Sunday, 09 November 2025: Arrival of most Chinese PIs and Senior Scientists**

**Monday, 10 November 2025: Third block seminar of IRTG AMAIZE-P 3<sup>rd</sup> cohort (Day 1)**

**Venue: University of Hohenheim, Lecture Hall (HS) 1, Hohenheim Palace 1 (west wing) | 1<sup>st</sup> upper level**

CET Beijing time	Content	Speakers	Title/organization
<b>Opening Ceremony - Welcome addresses</b>			
Chairperson: Jun.-Prof. Dr. Andreas Schweiger			
09:00-09:10 16:00-16:10	Opening and Introduction	Jun.-Prof. Dr. Andreas Schweiger	Principle Investigator IRTG AMAIZE-P University of Hohenheim
09:10-09:20 16:10-16:20	Welcome address from Ministry of Food, Rural Affairs and Consumer Protection (MLR), Baden-Württemberg	Dr. Konrad Rühl	Head of Department (Department 2 – Agriculture) MLR Baden-Württemberg
09:20-09:30 16:20-16:30	Welcome address from China Agricultural University (CAU)	Prof. Dr. Taisheng Du	Vice President for Internationalization, China Agricultural University
09:30-09:40 16:30-16:40	Welcome address from University of Hohenheim	Prof. Dr. Christoph Schneider	Rector, University of Hohenheim
09:40-09:50 16:40-16:50	Welcome addresses from Deans of Colleges	Prof. Dr. Ralf Vögele Prof. Dr. Lixing Yuan	Dean, Faculty of Agricultural Sciences, UHOH Dean, College of Resources & Environmental Sciences, CAU
09:50-10:00 16:50-17:00	Welcome addresses from Spokespersons	Prof. Dr. Torsten Müller Prof. Dr. Xuejun Liu	Institute of Crop Science, UHOH College of Resources & Environmental Sciences, CAU
10:05-10:35 17:05-17:35	Group photo and Coffee/tea break		
<b>Session I: Presentations by (post)doctoral researchers (German and Chinese side)</b>			
Chairpersons: Dr. Christian Sponagel, Prof. Dr. Wenfeng Cong			
11:00-11:40 18:00-18:40	RS 4.3, RS 4.1, RS 4.2 (4 presenters Chinese side)	7.5 min. doctoral researcher CAU + 10 min. discussion	
11:40-12:15 18:40-19:15	RS 4.3, RS 4.1, RS 4.2 (3 presenters German side)	7.5 min. (post)doctoral researcher UHOH + 10 min. discussion	
12:15-14:00 19:10-21:00	Lunch at UHOH (Mensa) (self-organized)		

**Monday, 10 November 2025: Third block seminar of IRTG AMAIZE-P 3<sup>rd</sup> cohort (Day 1)**

**Venue: University of Hohenheim, Lecture Hall (HS) 1, Hohenheim Palace 1 (west wing) | 1<sup>st</sup> upper level**

CET Beijing time	Content	Speakers	Title/organization
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**Session II: Synthesis approach**

Chairpersons: Dr. Christian Sponagel, Prof. Dr. Wenfeng Cong

14:00-14:30 21:00-21:30	SA 4 Introduction to synthesis approach and discussion	Dr. Kirsten Boysen-Urban, Dr. Michelle Herrmann	International Trade and Food Security, UHOH Institute of Crop Science, UHOH
14:30-14:50 21:30-21:50	RS 3.4 (1 presenter)	7.5 min. doctoral researcher UHOH + 10 min. discussion, same for all below	
14:50-15:15 21:50-22:15	RS 3.3 (2 presenters)		
15:15-15:40	Coffee/tea break		

**Session III: Presentations by doctoral researchers (German and Chinese side)**

Chairpersons: Dr. Gero Becker, Prof. Dr. Jianbin Guo

15:40-16:05 22:40-23:05	RS 3.2 (2 presenters)	
16:05-16:30 23:05-23:30	RS 3.1 (2 presenters)	
16:30-16:40 23:30-23:40	SA 3	Additional time for SA 3 to link up with the synthesis approach (see above)

**Session IV: Educational content for German and Chinese doctoral researchers**

**Interdisciplinary pitch: Solving a Research Challenge collaboratively**

Chairpersons: Dr. Marco Roelcke, Dr. Zhong Zhuang

16:40-17:30 23:40-00:30	Preparatory session: Forming interdisciplinary student teams; work with students in a different discipline	Ideas by Prof. Dr. Susanne Schmidt, University of Queensland.
17:30-17:35 00:30-00:35	Closing remarks and announcements Day 1	

18:00-20:00	Dinner (self-organized) <b>Evening: Free for bilateral activities of the RSs</b>
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ZOOM Meeting Day 1 (10 November): 08:00 h CET, 15:00 h Beijing time

<https://uni-hohenheim.zoom-x.de/j/64008407540?pwd=wVJbdPSz2wvVqyjlXddOj4a0YTJV64.1>

Meeting ID: 640 0840 7540

Passcode: p8xg02

**Tuesday, 11 November 2025: Third block seminar of IRTG AMAIZE-P 3<sup>rd</sup> cohort (Day 2)**

**Venue: Lecture hall (HS) 6, Schwerzstrasse 42 (Palace, East yard - east, Ackerbau wing) |**

**1 lower level**

CET Beijing time	Content	Speakers	Title/organization
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**Session I: Presentations by doctoral researchers (German and Chinese side)**

Chairpersons: Dr. Jürgen Franzaring, Prof. Dr. Lin Zhang

08:30-09:05 15:30-16:05	RS 2.4 (3 presenters)	7.5 min. doctoral researcher UHOH + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below
09:05-09:30 16:05-16:30	RS 2.3 (2 presenters)	
09:30-10:10 16:30-17:10	RS 2.2 (4 presenters)	
10:10-10:35 17:10-17:35	RS 2.1 (2 presenters)	
10:35-10:45 17:35-17:45	SA 2	Additional time for SA 2 to link up with the synthesis approach (see Day 1 afternoon)
10:45-11:05	Coffee/tea break	

**Session II: Scientific talk by invited speaker**

Chairpersons: Dr. Marco Roelcke, Prof. Dr. Xuejun Liu

11:05-12:00 18:05-19:00	Relationship between soil carbon sequestration and the accumulation of organic P and N	Adjunct Prof. Dr. Jagdish Kumar Ladha	University of California, Davis, USA
12:00-14:00	Lunch at UHOH (Mensa) (self-organized)		

**Tuesday, 11 November 2025: Third block seminar of IRTG AMAIZE-P 3<sup>rd</sup> cohort (Day 2)**

**Venue: Lecture hall (HS) B3, Garbenstrasse 30 (BIO II) | ground floor**

CET Beijing time	Content	Speakers	Title/organization
<b>Session III: Presentations by doctoral researchers (German and Chinese side)</b>			
Chairpersons: Dr. Sebastian Munz, Prof. Dr. Lin Zhang			
14:00-14:25 21:00-21:25	RS 1.3 (2 presenters)	7.5 min. doctoral researcher UHOH + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below	
14:25-14:50 21:25-21:50	RS 1.2 (2 presenters)		
14:50-15:25 21:50-22:25	RS 1.1 (3 presenters)		
15:25-15:35 22:25-22:35	SA 1	Additional time for SA 1 to link up with the synthesis approach (see Day 1 afternoon)	
15:35-16:00	Coffee/tea break		
<b>Session III: Educational content for German and Chinese doctoral researchers</b>			
Chairpersons: Dr. Sebastian Munz, Prof. Dr. Lin Zhang			
16:00-17:00 23:00-24:00	Training talk about high-yield maize cultivation and efficient P utilization	Prof. Dr. Pu Wang	China Agricultural University
<b>Session IV:</b>			
Chairpersons: Prof. Dr. Simone Graeff-Hönninger, Prof. Dr. Pu Wang			
17:00-18:00 00:00-01:00	Introduction to the DSSAT Crop Models	Prof. Dr. William Batchelor	Auburn University, Alabama, USA
18:00-18:05 01:00-01:05	Closing remarks and announcements Day 2		
19:00-21:00	Official Rector's dinner (Advisory Board, Chinese and German PIs, Senior Scientists, Postdocs)	Restaurant "Denkbar", Fruwirthstrasse 24, 70599 Stuttgart-Hohenheim	

ZOOM Meeting Day 2 (11 November): 07:30 h CET, 14:30 h Beijing time

<https://uni-hohenheim.zoom-x.de/j/69781214842?pwd=xjl6DbSImkPfateSm8ZUCv0vZensBr.1>

Meeting ID: 697 8121 4842

Passcode: CTPcg4

**Wednesday, 12 November 2025: Third block seminar of IRTG AMAIZE-P 3<sup>rd</sup> cohort (Day 3)**

**Venue: Tagungshaus Christkönigshaus, Paracelsusstrasse 89, 70599 Stuttgart**

CET Beijing time	Content		
<b>Educational contents for German and Chinese doctoral researchers</b>			
<b>Session I: Interdisciplinary pitch: Solving a Research Challenge collaboratively</b>			
Altogether 27 PhD students (14 German/13 Chinese side) form 7 teams à 3-4 students each.			
Chairpersons: Dr. Marco Roelcke, Prof. Dr. Lin Zhang			
08:30-08:45	Introduction to concept	Prof. Dr. Susanne Schmidt	University of Queensland, Australia
08:45-09:45 15:30-16:45	5-minute pitches	Prof. Dr. Susanne Schmidt	University of Queensland, Australia
09:45-10:00	Coffee/tea break		
<b>Session II: Interdisciplinary pitch: Solving a Research Challenge collaboratively</b>			
Chairpersons: Dr. Marco Roelcke, Prof. Dr. Lin Zhang			
10:00-10:40 17:00-17:40	Peer evaluation	Prof. Dr. Susanne Schmidt	University of Queensland, Australia
10:40-11:00 17:40-18:00	Feedback and reflection	Prof. Dr. Susanne Schmidt	University of Queensland, Australia
<b>Session III: AMAIZE-P Advisory Board meeting</b>			
11:00-12:00 18:00-19:00	Advisory Board meeting incl. German and Chinese PI and Senior Researchers. Discussion of general and specific issues, agenda t.b.d. by Advisory Board		
12:00-14:00	Lunch at UHOH (Mensa) (self-organized)		
<b>Session IV: Two scientific talks by Invited Speaker and by Principle Investigator</b>			
Chairpersons: Prof. Dr. Joachim Müller, Prof. Dr. Xiongkui He			
14:00-15:00 21:00-22:00	Intelligent Agricultural Technology: Perspective and Current Research of AI in Agricultural Engineering Group	Prof. Dr. Anthony Stein	University of Hohenheim
15:00-16:00 22:00-23:00	Smart Farming & Artificial Intelligence (AI) Agri-Chemical Application in Asia	Prof. Dr. Xiongkui He	China Agricultural University
16:00-16:30	Coffee/tea break		
<b>Session V: Future collaboration. World Café format</b>			
Chairpersons: Jun.-Prof. Dr. Andreas Schweiger, Prof. Dr. Wenfeng Cong			
16:30-18:30 23:30-01:30	Planning of future Sino-German joint collaborative activities by group of younger PIs (to be in the lead)		
<b>Evaluation and closing</b>			
18:30-18:45 01:30-01:45	Closing ceremony	Prof. Torsten Müller, Prof. Simone Graeff, UHOH Prof. Dr. Lixing Yuan, Prof. Dr. Xuejun Liu, CAU	

ZOOM Meeting Day 3 (12 November): 07:30 h CET, 14:30 h Beijing time

<https://uni-hohenheim.zoom-x.de/j/67807499277?pwd=tm7zpQEzetWltWVS2TfLSvYScpNhuJ.1>

Meeting ID: 678 0749 9277

Passcode: eF24et

## Excursion

Thursday, 13 November 2025: Third block seminar of IRTG AMAIZE-P 3<sup>rd</sup> cohort (Day 4)

**Departure: 04:30 AM from bus stop “Universität Hohenheim” (Heinrich-Pabst-Strasse)**

**04:35 AM: Pick-up of other participants in front of Hotel Filderpost, Schoellstr. 4-6, 70599 Stuttgart**  
Travel (by coach) to Gatersleben (Sachsen-Anhalt)

**Visit of Leibniz Institute of Plant Genetics and Crop Plant Research (IPK):**

Corrensstraße 3, 06466 Seeland/OT Gatersleben

[www.ipk-gatersleben.de](http://www.ipk-gatersleben.de)

Time (CET)	
12:00	Estimated arrival time
12:15-13:00	Lunch at Casino (institute dining hall)

### Afternoon visit:

13:00	Guided tour through IPK (English language)	
13:00-13:30	Impulse IPK	IPK Lecture Hall
13:30-16:20	Federal Ex situ Gene Bank / IPK PhenoSphere / Nuclear magnetic resonance (NMR) (split into three groups)	
16:20-16:45	Final discussion and closing remarks	IPK Lecture Hall
17:00	Departure	
17:00-17:30	Transfer to Wernigerode	

### Harzer Kultur- und Kongresshotel (HKK) Wernigerode

Pfarrstraße 41, 38855 Wernigerode

[www.hkk-wr.de](http://www.hkk-wr.de)

17:30-18:00	Arrival at hotel and Check-In
19:00-21:00	Dinner at HKK hotel Wernigerode (cold/warm dinner buffet)

## Excursion

Friday, 14 November 2025: Third block seminar of IRTG AMAIZE-P 3<sup>rd</sup> cohort (Day 5)

Time (CET)	
6:30-7:45	Breakfast in hotel
08:00	Departure from HKK hotel Wernigerode
09:00-09:45	Travel (by coach) to Hannover (Lower Saxony)
09:45	Estimated arrival time

### **Visit Agritechnica Agricultural Technology Fair:**

AGRITECHNICA 2025, 09.11.2025 - 15.11.2025, 30521 Hannover

<https://www.agritechnica.com/de/>

10:00-12:30	Visit the fair (split into groups)
	Lunch at the fair is self-organized
12:30-16:30	Visit the fair (split into groups)
16:45	Meet at the bus
17:00	Departure from Hannover
17:00-19:00	Travel (by coach) to Kassel

### **Restaurant**

Brauhaus Knallhütte

Knallhütte 2, 34225 Baunatal

<https://www.brauhausknallhuette.de/>

19:00	Arrival at restaurant
19:00-21:00	Dinner and beer at Brauhaus Knallhütte, formerly with own beer brewery. Traditional dishes from northern Hessia

**Departure: approx. 21:00 h: Return to Heinrich-Pabst-Strasse in Stuttgart-Hohenheim**

**Arrival: approx. 02:00 AM Saturday, 15 November.**

For excursion on 13-14 November 2025 see map on p. 20.

**Saturday, 15 November 2025:**

**Departure of Chinese PIs and Senior Scientists**

**Departure of Chinese bachelor students**

## Short biographical profiles of invited speakers



### **Professor Dr. William D. Batchelor**

Director, Water Resources Center  
Professor, Biosystems Engineering  
Fellow, American Society of Agricultural and Biological Engineers  
Auburn University  
E-mail: [wdb0007@auburn.edu](mailto:wdb0007@auburn.edu)

**Biographical Sketch:** Dr. Bill Batchelor is Director of the Water Resources Center, Professor of Biosystems Engineering, and Adjunct Professor of Crop, Soil, and Environmental Sciences at Auburn University. His research in crop growth modeling, precision agriculture, and resource management spans nearly four decades.

He previously served as Dean of Agriculture and Director of the Alabama Agricultural Experiment Station at Auburn University, Department Head of Agricultural and Biological Engineering at Mississippi State University, and Distinguished International Professor at the University of Hohenheim in Germany. A Fellow of the American Society of Agricultural and Biological Engineers, Dr. Batchelor has secured over \$60 million in research funding, published more than 140 journal articles, and received numerous honors, including the U.S. President's National Service Award and recognition by the National Academy of Engineering as one of the Top 100 Young Engineers in the United States.



**Professor Dr. J.K. Ladha**  
Adjunct Professor  
Department of Plant Sciences  
University of California, Davis, USA  
E-mail: [jkladha@ucdavis.edu](mailto:jkladha@ucdavis.edu)

**Biographical Sketch:** Professor J.K. Ladha devoted more than 35 years to aspects of sustainable management of agriculture and natural resources for increasing food security and environmental quality in developing countries. He served at the International Rice Research Institute (IRRI) from 1980 to 2017 was an adjunct senior scientist at the Columbia University until 2016. Currently, he is an Adjunct Professor in the Dept of Plant Sciences at the University of California-Davis. Dr Ladha provided leadership to the Cereal System Initiative System for South Asia and the Rice-Wheat Consortium Project that aims to sustainably enhance the crop productivity. He was a "Frosty" Hill Fellow at Cornell University (July 07–June 08) and an adjunct professor of Soil Science at the University of the Philippines (1990–2004).

Professor Ladha is a fellow of the American Association for the Advancement of Science (AAAS), American Society of Agronomy (ASA), the Soil Science Society of America (SSA), the Crop Science Society of America (CSSA), the Indian Academy of Agricultural Sciences (NAAS), and an associate member of the Philippine Council of Agricultural Research (PARC). He is a recipient of several awards and honors notably, the Third World Academy of Sciences Agriculture Prize 2016, the International Crop Science Award 2015, the International Service in Agronomy Award 2011, International Soil Science Award 2010, International Plant Nutrition Institute Science Award 2009. In 2000 and 2004, the CGIAR awarded the Chairman's Excellence Science Award for Outstanding Scientific Partnership and the prestigious King Baudoin Award for Outstanding Research to the Rice-Wheat Consortium in which Professor Ladha was the key scientist and IRRI's coordinator. Recently, on the Fifteenth day of October of 2024, Professor Ladha was conferred with Honorary Degree of Doctor of Science by Rajmata Vijayaraje Scindia Agriculture University, Gwalior, India.



**Professor Dr. Susanne Schmidt**

School of Agriculture and Food Sciences  
University of Queensland, Brisbane, Australia  
E-mail: [susanne.schmidt@uq.edu.au](mailto:susanne.schmidt@uq.edu.au)

**Biographical Sketch:** Prof Susanne Schmidt is a scientist and educator who studies tropical agro-ecosystems at The University of Queensland, Brisbane, Australia. She graduated from the University of Hohenheim in Agricultural Biology and chose Australia for her PhD research.

As part of a diverse team, Susanne works across ecology and agriculture, focusing on plant nutrition, ecophysiology and biogeochemistry. Interdisciplinary by nature, her work spans sustainable agriculture, restoration of degraded land, and supports Australian Indigenous people in developing industries based on native plants and botanicals.

A long focus has the circular nutrient economy with next-generation fertilisers made from recycled materials that efficiently supply nutrients to crops and recarbonise soil. A more recent focus is how fertilisers and composts benefit food quality and agronomies for native plants. Susanne is the deputy leader of International Nitrogen Initiative (INI.org, Oceania) and a Fellow of the Alexander von Humboldt Foundation among other.



**Professor Dr. Anthony Stein**

University of Hohenheim

Institute of Agricultural Engineering & Computational Science Hub (CSH)

Artificial Intelligence in Agricultural Engineering group

E-mail: [anthony.stein@uni-hohenheim.de](mailto:anthony.stein@uni-hohenheim.de)

**Biographical Sketch:** Dr. Anthony Stein is a professor at the University of Hohenheim, where he serves as the head of the Artificial Intelligence in Agricultural Engineering group at the Institute of Agricultural Engineering. His academic background is rooted in business information systems (B.Sc.) and computer science (M.Sc.). He commenced his academic career as a research associate at the University

of Augsburg and the chair of Organic Computing. In 2019, he obtained his PhD (Dr. rer. nat.) from the Faculty of Applied Computer Science. In 2020, he was appointed to a tenure-track professorship in the field of Artificial Intelligence in Agricultural Engineering at the University of Hohenheim.

His current research focuses on artificial intelligence, especially evolutionary machine learning, applied deep (reinforcement) learning, and intelligent system architectures, and its vast potential for numerous applications in agriculture. Since 2021, he has served as elected spokesperson for the national and international special interest group on Organic Computing, hosted by the Gesellschaft für Informatik (GI). He has participated in a multitude of organizational endeavors, including the Lifelike Computing Systems workshop series within the scope of the International Conference on Artificial Life (2020-2022), the International Workshop on Learning Classifier Systems (2018-2020) at the ACM Genetic and Evolutionary Computation Conference (GECCO), and the special track on Organic Computing Systems at the GI/ITG International Conference on Architecture of Computing Systems (since 2022). In 2022, he was elected as one of the chairpersons of the Society of Informatics in Agriculture, Forestry and Food Industry (GIL e.V.), and he served as general co-chair of its annual conferences in 2023 and 2024.

## **Participants List**

### **Invited guests**

1. Dr. Konrad Rühl, Head of Department (Department 2 – Agriculture) Ministry of Food, Rural Affairs and Consumer Protection (MLR), Baden-Württemberg, Germany

### **Invited speakers**

2. Prof. Dr. Bill Batchelor, Auburn University, Alabama, USA
3. Prof. Dr. Xiongkui He, China Agricultural University
4. Prof. Dr. Jagdish Kumar Ladha, University of California, Davis, USA
5. Prof. Dr. Susanne Schmidt, University of Queensland, Brisbane, Australia
6. Prof. Dr. Anthony Stein, University of Hohenheim
7. Prof. Dr. Pu Wang, China Agricultural University
8. Ms. Brigitte Ott-Goebel, Ott-Goebel Consulting, Ostfildern-Kemnat, Germany
9. Ms. Elke-Maria Rosenbusch, Rosenbusch Kommunikation, Stuttgart, Germany

### **German Side**

10. Prof. Dr. Christoph Schneider, Rector, University of Hohenheim
11. Prof. Dr. Andreas Pyka, Vice President for International Affairs, University of Hohenheim
12. Prof. Dr. Ralf T. Vögele, Dean, Faculty of Agricultural Sciences, University of Hohenheim (UHOH)
13. Prof. Dr. Torsten Müller, IRTG Spokesperson, Institute of Crop Science, UHOH
14. Prof. Dr. Joachim Müller, IRTG Deputy Spokesperson, Institute of Agricultural Engineering, UHOH
15. Dr. Marco Roelcke, IRTG Coordinator, UHOH
16. Prof. Dr. Tobias Würschum, Institute of Plant Breeding, Seed Science and Population Genetics, UHOH
17. Prof. Dr. Uwe Ludewig, Institute of Crop Science, UHOH
18. Prof. Dr. Waltraud Schulze, Department of Plant Systems Biology, UHOH
19. Jun.-Prof. Dr. Andreas Schweiger, Institute of Landscape and Plant Ecology, UHOH
20. Prof. Dr. Simone Graeff-Hönninger, Institute of Crop Science, UHOH
21. Prof. Dr. Jan Frank, Institute of Biological Chemistry and Nutrition, UHOH
22. Prof. Dr. Amélia Camarinha Silva, Institute of Animal Science, UHOH
23. Prof. Dr. Markus Rodehutscord, Institute of Animal Science, UHOH
24. Prof. Dr. Andrea Kruse, Institute of Agricultural Engineering, UHOH
25. Prof. Dr. Enno Bahrs, Institute of Farm Economics, UHOH
26. Dr. Hans Oechsner, State Institute for Agricultural Engineering and Bioenergy, UHOH
27. PD Dr. Andreas Lemmer, State Inst. for Agricultural Engineering and Bioenergy, UHOH
28. Dr. Kirsten Boysen-Urban, International Trade and Food Security, UHOH
29. Dr. Sebastian Munz, Institute of Crop Science, UHOH
30. Dr. Jürgen Franzaring, Institute of Landscape and Plant Ecology, UHOH
31. Dr. Gero Becker, Institute of Agricultural Engineering, UHOH
32. Dr. Christian Sponagel, Post-doctoral researcher, Institute of Farm Economics, UHOH
33. Dr. Zhangkai Wu, Post-doctoral Researcher, Institute of Agricultural Engineering, UHOH
34. Dr. Zhong Zhuang, Post-doctoral researcher, Institute of Landscape and Plant Ecology, UHOH

35. Ms. Wanda Haller, Doctoral researcher on German side, RS 1.1
36. Ms. Pia Engl, Doctoral researcher on German side, RS 1.2
37. Ms. Nasim Gandomdoust, Doctoral researcher on German side, RS 1.3
38. Mr. Chieh-Fu Hsiao, Doctoral researcher on German side, RS 2.1
39. Ms. Syeda Fatima Jafri, Doctoral researcher on German side, RS 2.2
40. Mr. Ali Malakshahi Kurdestani, Doctoral researcher on German side, RS 2.2
41. Ms. Afsaneh Yousefi, Doctoral researcher external on German side, RS 2.2
42. Mr. Khandoker Tanjim Ahammad, Doctoral researcher on German side, RS 2.3
43. Ms. Huiyan Wang, Doctoral researcher on German side, RS 2.4
44. Ms. Sepideh Sadighbathi, Doctoral researcher on German side, RS 3.1
45. Ms. Dokyung Lee, Doctoral researcher on German side, RS 3.2
46. Ms. Kea Purwing, Doctoral researcher on German side, RS 3.3
47. Ms. Leiddi Leal, Doctoral researcher on German side, RS 3.4
48. Mr. Pascal Wendel, Doctoral researcher on German side, RS 4.1
49. Dr. Michelle Herrmann, Post-doctoral researcher on German side, RS 4.2
50. Mr. Mamadou Jallow, Doctoral researcher on German side, RS 4.3

### **Chinese Side**

51. Prof. Dr. Taisheng Du, Vice President for Internationalization, China Agricultural University (CAU)
52. Ms. Ying Tang, Director, International Office, China Agricultural University (CAU)
53. Prof. Dr. Fusuo Zhang, Academician, IRTG Spokesperson, National Academy of Agriculture Green Development, China Agricultural University (CAU)
54. Prof. Dr. Xuejun Liu, IRTG Deputy Spokesperson, Coordinator, CRES, CAU
55. Prof. Dr. Lixing Yuan, Dean, College of Resources and Environmental Sciences (CRES), China Agricultural University (CAU)
56. Prof. Dr. Xinpeng Chen, College of Resources and Environment, Southwest University (SWU)
57. Prof. Dr. Wenfeng Cong, CRES, CAU
58. Prof. Dr. Zhongtao Jia, CRES, CAU
59. Prof. Dr. Huafen Li, CRES, CAU
60. Prof. Dr. Xuexian Li, CRES, CAU
61. Prof. Dr. Lin Zhang, CRES, CAU
62. Prof. Dr. Chunqin Zou, CRES, CAU
63. Prof. Dr. Shunli Zhou, College of Agronomy and Biotechnology, CAU
64. Prof. Dr. Jianfen Liang, College of Food Science and Nutritional Technology, CAU
65. Prof. Dr. Qiugang Ma, College of Animal Science and Engineering, CAU
66. Prof. Dr. Jianbin Guo, College of Engineering, CAU
67. Prof. Dr. Ji Ma, College of Economics and Management, CAU
68. Prof. Dr. Laping Wu, College of Economics and Management, CAU
69. Assoc. Prof. Dr. Lingyun Cheng, CRES, CAU
70. Assoc. Prof. Dr. Tao Zhang, CRES, CAU
71. Assoc. Prof. Dr. Prof. Wenxin Liu, College of Agronomy and Biotechnology, CAU
72. Assoc. Prof. Dr. Shubing Huang, College of Agronomy and Biotechnology, CAU
73. Assoc. Prof. Dr. Wei Zhang, College of Resources and Environment, SWU
74. Dr. Shimeng Huang, Post-doctoral researcher, College of Animal Science and Engineering, CAU

- 75. Ms. Yueli Wang, Doctoral researcher on Chinese side, RS 1.1
- 76. Ms. Ying Lu, Doctoral researcher on Chinese side, RS 1.1
- 77. Mr. Bo Yang, Doctoral researcher on Chinese side, RS 1.2
- 78. Ms. Lianlian Liu, Doctoral researcher on Chinese side, RS 1.3
- 79. Mr. Zudong Xiao, Doctoral researcher on Chinese side, RS 2.1
- 80. Ms. Nan Wang, Doctoral researcher on Chinese side, RS 2.2
- 81. Mr. Fucheng Gao, Doctoral researcher on Chinese side, RS 2.2
- 82. Mr. Saike Jiang, Doctoral researcher on Chinese side, RS 2.3
- 83. Ms. Xiangyu Qian, Doctoral researcher on Chinese side, RS 2.4
- 84. Ms. Jingwen Cheng, Doctoral researcher on Chinese side, RS 2.4
- 85. Ms. Tianyi Liu, Doctoral researcher on Chinese side, RS 3.1
- 86. Ms. Yafei Liu, Doctoral researcher on Chinese side, RS 3.2
- 87. Ms. Tiantian Qi, Doctoral researcher on Chinese side, RS 3.3
- 88. Ms. Wanqing Li, Doctoral researcher on Chinese side, RS 4.1
- 89. Mr. Feiyu Ying, Doctoral researcher on Chinese side, RS 4.2
- 90. Mr. Zhiwei Sun, Doctoral researcher on Chinese side, RS 4.2
- 91. Ms. Jiale Yang, Doctoral researcher on Chinese side, RS 4.3
  
- 92. Ms. Xiaoting Huang, Bachelor student, Yantai Institute of CAU
- 93. Ms. Xinyi Shen, Bachelor student, Yantai Institute of CAU
- 94. Ms. Guirong Yang, Bachelor student, Yantai Institute of CAU
- 95. Mr. Benchen Yin, Bachelor student, Yantai Institute of CAU
- 96. Ms. Huaru Cui, Bachelor student, CAU, Beijing
- 97. Mr. Weiyan Gao, Bachelor student, CAU, Beijing
- 98. Ms. Shuhan Li, Bachelor student, CAU, Beijing

**Block seminar venues in Hohenheim:**

**10.11.2025 whole day:**

**Lecture hall (HS) 1**

Hohenheim Palace 1 (west wing) | 1st upper level. Stuttgart-Hohenheim.

**11.11.2025 morning:**

**Lecture hall (HS) 6**

Hohenheim Palace, East yard - east, Ackerbau wing | 1 lower level. Schwerzstrasse 42, Stuttgart-Hohenheim.

**11.11.2025 afternoon:**

**Lecture hall (HS) B3**

Garbenstrasse 30 (BIO II) | ground floor. Stuttgart-Hohenheim.

**12.11.2025 whole day:**

**Tagungshaus Christkönigshaus**

Paracelsusstrasse 89, 70599 Stuttgart-Plieningen

Tel. (+49) (0) 711 458282-3

[christkoenigshaus@tagungshaus.net](mailto:christkoenigshaus@tagungshaus.net)

**11.11.2025 Evening Reception:**

**Restaurant Denkbar**

Fruwirthstrasse 24, 70599 Stuttgart-Hohenheim

## Front cover

Field experiment plot “Tanne” near experimental station “Oberer Lindenhof” of University of Hohenheim, Baden-Württemberg, Germany. Photo: © Mr. Chieh-Fu Hsiao, 2025.

## Project website:

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



## Contact Information:

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## Hotel accommodation:

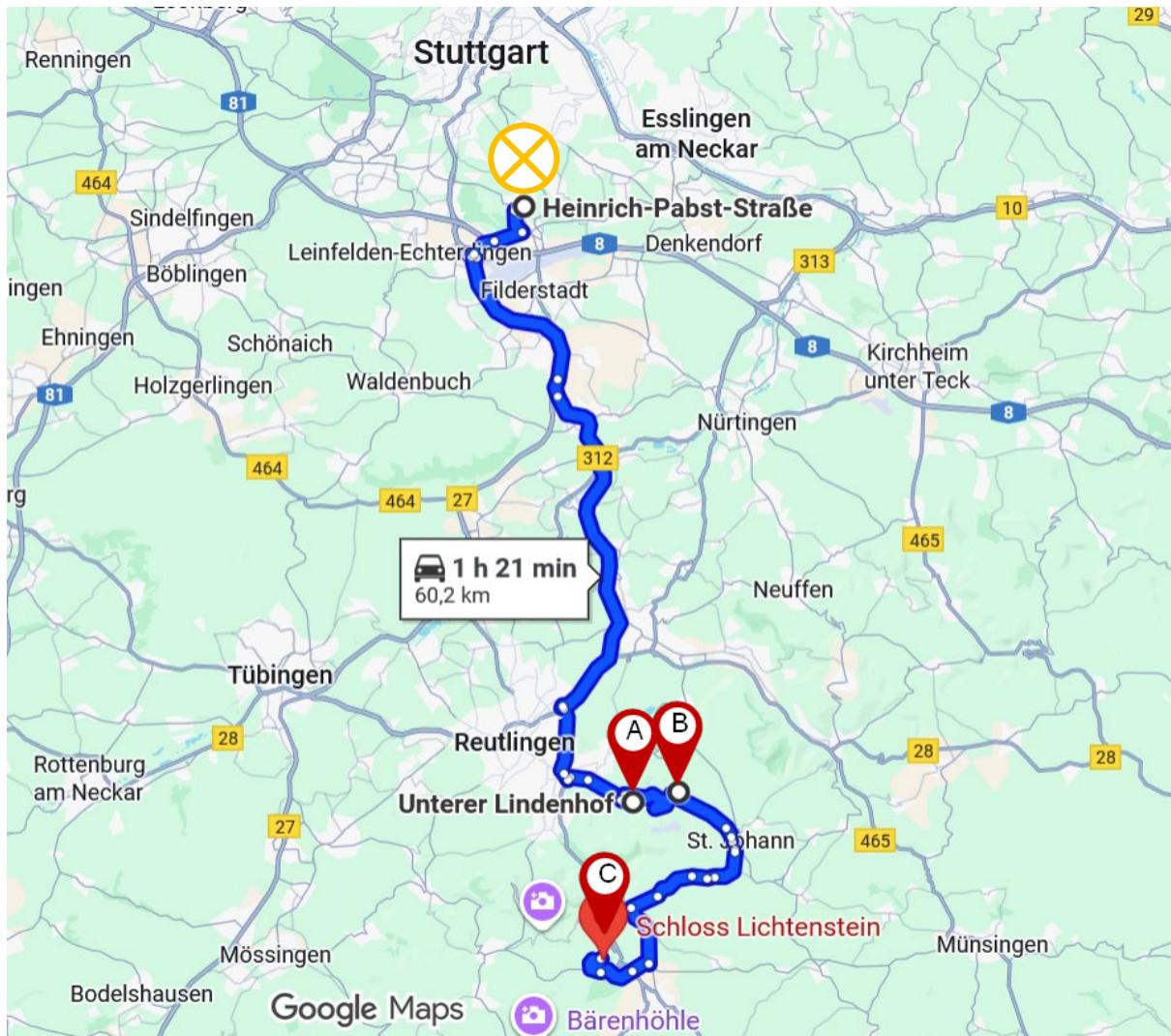
Apart Business Hotel  
Scharnhauser Strasse 4  
70599 Stuttgart-Plieningen  
Tel: (+49) (0)711 45010  
[info@apart-hotel.de](mailto:info@apart-hotel.de)

Airport und Messe Hotel Filderpost  
Schoell Strasse 4, corner with Filderhauptstrasse, 70599 Stuttgart-Plieningen  
Tel. (+49) (0)711 4584-0  
[services@filderpost.de](mailto:services@filderpost.de)

Harzer Kultur- und Kongresshotel (HKK) Wernigerode  
Pfarrstraße 41, 38855 Wernigerode  
Tel. (+49) (0) 3943 941-0  
[www.hkk-wr.de](http://www.hkk-wr.de)

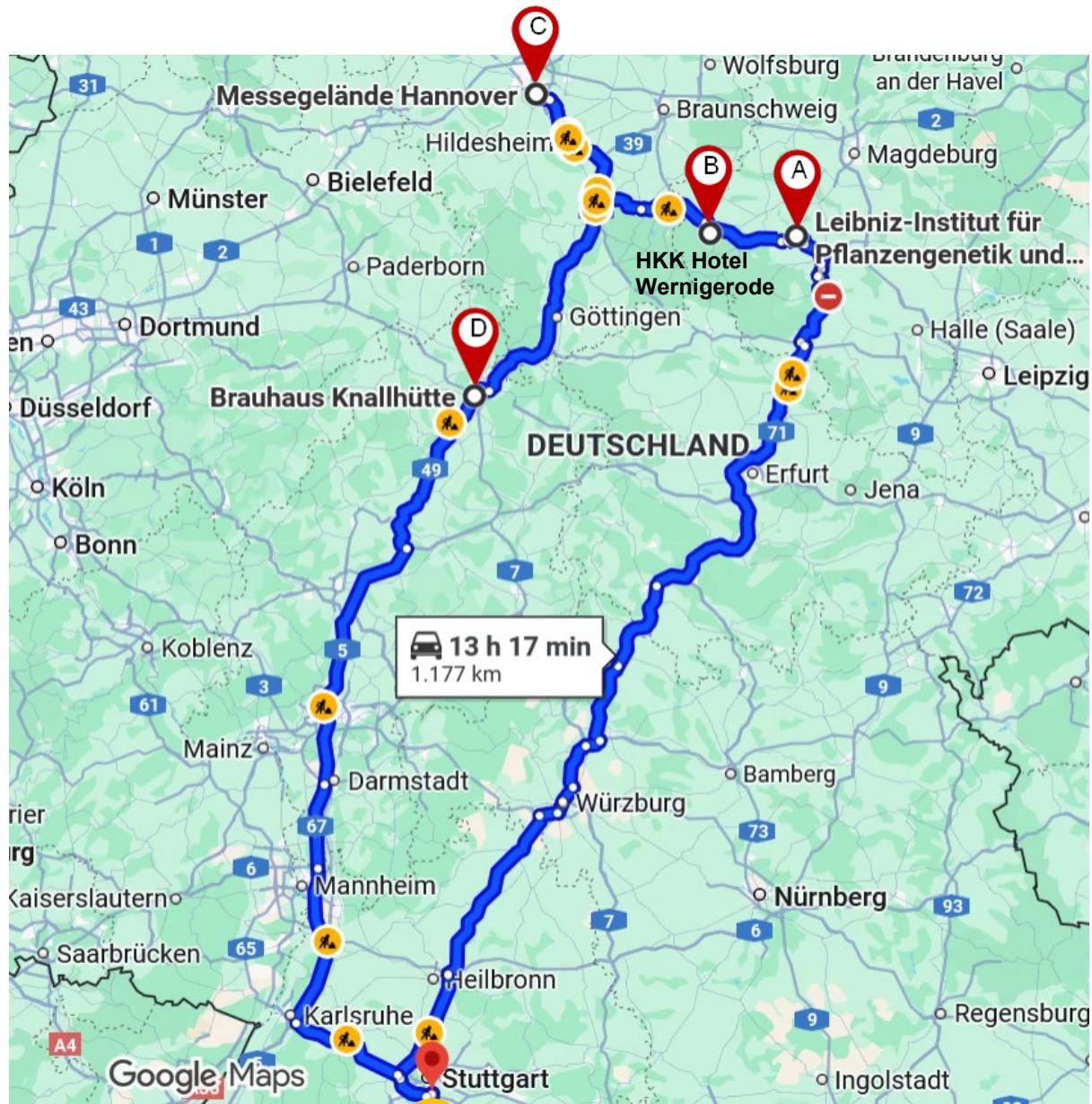
Research subjects (RS)	Title
<b>Subject Area (SA) 1</b>	
RS 1.1	Genetic variation, genetic architecture, and genomic prediction of phosphate-use-efficiency traits in European and Chinese maize
RS 1.2	Molecular determinants of P and N synergism in maize roots and rhizosphere
RS 1.3	Regulatory modules of carbon resource allocation under different phosphate availabilities
<b>Subject Area (SA) 2</b>	
RS 2.1	Genotype to phenotype modelling of phosphate acquisition and related biomass and yield traits of maize
RS 2.2	Increasing soil phosphate availability and phosphate fertilizer efficiency
RS 2.3	Detecting phosphate status in soil and in maize canopies by non-invasive methods
RS 2.4	Uptake and allocation of heavy metals from P-fertilizers along the soil-plant-atmosphere continuum
<b>Subject Area (SA) 3</b>	
RS 3.1	The impact of reduced phosphate-availability on essential micronutrients in maize for human consumption
RS 3.2	Inositol phosphates, phosphate utilization, and microbiome in the digestive tract of pigs and laying hens fed maize-based diets
RS 3.3	Deployment of phosphate resources for nutrient recycling via anaerobic digestion systems
RS 3.4	Hydrothermal conversion of biomass to carbon materials with phosphate recovery
<b>Subject Area (SA) 4</b>	
RS 4.1	Economic analyses at plot, farm enterprise, and regional level
RS 4.2	Synthesis and field experiments
RS 4.3	Economic assessment of future phosphate availability: Impacts on agricultural and food markets at farm, national and global level

(see maps on following pages)



	University of Hohenheim
	Experimental Station Unterer Lindenhof
	Experimental Station Oberer Lindenhof
	Lichtenstein Castle

Route of excursion on 08 November 2025 from the University of Hohenheim to experimental stations Unterer Lindenhof and Oberer Lindenhof (72813 Eningen unter Achalm), and further proceeding to Lichtenstein Castle (72805 Lichtenstein).



	University of Hohenheim
	IPK Gatersleben
	HKK Hotel Wernigerode
	Hannover Messe
	Brauhaus Knallhütte

Route of excursion on 13/14 November 2025 from the University of Hohenheim to Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) and further proceeding to the AGRITECHNICA trade fair in Hannover.

