



UNIVERSITY OF  
HOHENHEIM



AMAIZE-P

Fifth Block Seminar of the 2<sup>nd</sup> Cohort  
Economic Evaluation and Synthesis

06 - 10 November 2023



**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)

## Excursion for doctoral candidates

Saturday, 04 November 2023:

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

Travel (by coach) to karst cave “Nebelhöhle” on the Swabian Alb

**Morning visit: Karst cave “Nebelhöhle”,** Gewann Nebelhöhle, 72820 Sonnenbühl

<https://hoehlen.sonnenbuehl.de/startseite/nebelhoehle.html>

Time (CET)	
10:00-10:15	Introduction to Nebelhöhle outside the cave
10:15-11:00	Guided tour (in 1-2 groups) through the karst cave Nebelhöhle
11:30-12:45	Lunch at Maultaschenwirt (Swabian dumplings, five varieties, preordered) <a href="https://www.maultaschen-wirt.de/">https://www.maultaschen-wirt.de/</a>

**Departure: 13:00 h: Return to Heinrich-Pabst-Strasse in Stuttgart-Hohenheim**

**Arrival: 14:00 h (approx.)**

For excursion on 04 November 2023 see map on p. 18.

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

19:00-23:00 Social event by PhD students (self-organized)

**Monday, 06 November 2023: Fifth block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 1)**

**Venue: University of Hohenheim, Katharinasaal in Euroforum, Kirchnerstrasse 3, 70599 Stuttgart**

CET Beijing time	Content	Speakers	Title/organization
<b>Opening Ceremony - Welcome addresses</b>			
Chairperson: Prof. Dr. Joachim Müller			
09:00-09:10 16:00-16:10	Opening and Introduction	Prof. Dr. Joachim Müller	Deputy Spokesperson IRTG AMAIZE-P University of Hohenheim
09:10-09:20 16:10-16:20	Welcome address from University of Hohenheim	Prof. Dr. Stephan Dabbert	Rector University of Hohenheim
09:20-09:30 16:20-16:30	Welcome address by CAU President	Prof. Dr. Qixin Sun	President China Agricultural University
09:30-09:40 16:30-16:40	Welcome address from Ministry of Food, Rural Affairs and Consumer Protection LR), Baden-Württemberg	Ms. Grit Puchan	Ministerial Director MLR Baden-Württemberg
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 Coffee/tea break		
<b>Session I: Scientific talk by invited speaker</b>			
Chairpersons: Prof. Dr. Torsten Müller, Prof. Dr. Xuejun Liu			
11:00-12:00 18:00-19:00	Mapping phosphorus loss from farmland to water in Denmark	Assoc. Prof. Dr. Goswin Johann Heckrath	Department of Agroecology, Aarhus University, Denmark
12:00-13:00 19:00-20:00	Lunch at UHOH (Mensa) (self-organized)		

**Session II: Scientific talk by principal investigator**

Chairpersons: Prof. Dr. Joachim Müller, Assoc. Prof. Dr. Lixing Yuan

CET Beijing time	Content	Speakers	Title/organization
14:00-14:45 21:00-21:45	Smart Farm (Intelligent unmanned farm) Design and Construction	Prof. Dr. Xiongkui He	College of Science, China Agricultural University (CAU)
14:45-15:00 21:45-22:00	Coffee/tea break		

**Session III: Educational content for German and Chinese doctoral researchers (hybrid)**

Chairpersons: Dr. Marco Roelcke, Assoc. Prof. Dr. Lingyun Cheng

15:00-16:55 22:00-23:55	Class on Introduction to Research: Topic 1) Planning and designing of a research experiment Topic 2) Writing and reviewing a research paper Topic 3) Writing a research proposal	Adjunct Prof. Dr. Jagdish Kumar Ladha	University of California, Davis, USA
16:55-17:00 23:55-24:00	Closing remarks and announcements Day 1		

18:30-21:00	Official Rector's Reception	"Great Foyer", Hohenheim Palace, 1 <sup>st</sup> upper level
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ZOOM Meeting Day 1 (06 November): 08:00 h CET, 15:00 h Beijing time

<https://uni-hohenheim.zoom-x.de/j/68549350572?pwd=Wkx4eFJtUGtLUnpPKzYrVjVRcmcyZz09>

Meeting ID: 685 4935 0572

Passcode: Xesb0v

**Tuesday, 07 November 2023: Fifth block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 2)**

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

CET Beijing time	Content	Speakers	Title/organization
<b>Session I: Two scientific talks by invited speakers</b>			
Chairpersons: Dr. Christian Sponagel, Prof. Dr. Xuejun Liu			
09:30-10:30 16:30-17:30	EU Soil Observatory (EUSO) contribution towards healthy soils & sustainable phosphorus management	Dr. Panos Panagos	European Commission Joint Research Centre (JRC), Sustainable Resources, Ispra, Italy
10:30-11:00 17:30-18:00	Coffee/tea break		
11:00-12:00 18:00-19:00	Challenges and strategies for improving manure management system in China	Prof. Dr. Lin Ma	Center for Agricultural Resources Research, Institute of Genetics and Developmental Biology, Chinese Academy of Sciences (CAS)
12:15-13:30 19:15-20:30	Lunch at UHOH (Mensa) (self-organized)		
<b>Session II: Short reports by PhD students on German side</b>			
Chairpersons: Dr. Marco Roelcke, Assoc. Prof. Dr. Lingyun Cheng			
14:00-14:30 21:00-21:30	First-hand reports by several PhD students on German side about their recent stays in China (Aug.-Nov. 2023)	Mr. Ismael Rubio Cervantes Mr. Ali Kurdestani Ms. Michelle Herrmann Mr. Esteban Gutierrez La Torre Mr. Tristan Herrmann	
14:30-15:00 21:30-22:00	Coffee/tea break		
<b>Session III: World Café format:</b>			
Chairpersons: Prof. Dr. Torsten Müller, Prof. Dr. Lixing Yuan			
15:00-17:55 22:00-00:55	Meetings within and among the research subjects (RS) followed by internal meetings of the individual RS. Issues to be addressed: <ul style="list-style-type: none"> <li>• Conclusion of 2<sup>nd</sup> cohort, incl. publications</li> <li>• Summarizing main points of 1<sup>st</sup> funding phase</li> <li>• Data synthesis in cooperation with Subject Area (SA) 4</li> <li>• Planning 3<sup>rd</sup> cohort recruitment</li> </ul>		
17:55-18:00 00:55-01:00	Closing remarks and announcements Day 2		

ZOOM Meeting Day 2 (07 November): 08:30 h CET, 15:30 h Beijing time

<https://uni-hohenheim.zoom-x.de/j/61242424380?pwd=Skd1WTMzR2tzTmhUZGYzZGI5WWt1UT09>

Meeting ID: 612 4242 4380

Passcode: 11wiF7

## Excursion

Wednesday, 08 November 2023: Fifth block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 3)

**Departure: 08:00 AM from Heinrich-Pabst-Strasse in Stuttgart-Hohenheim**

Travel (by two coaches) to Neuschwanstein Castle, 87645 Hohenschwangau

Time (CET)	
08:00-11:00	Travel
11:30-13:00	Lunch at Restaurant Schlossbrauhaus (selection of dishes, preordered) <a href="https://schlossbrauhaus.de/essen-und-trinken/">https://schlossbrauhaus.de/essen-und-trinken/</a>

**Afternoon visit: Neuschwanstein Castle:**

Schwangau, Neuschwansteinstr. 20, 87645 Hohenschwangau

13:15-14:00	Walk up to Neuschwanstein Castle
14:00-15:00	Walk up to panoramic Marienbrücke viewpoint
15:00-15:30	Group 1: Guided tour (in English) of Neuschwanstein Castle interiors
15:00-15:30	Group 2: Free time around Neuschwanstein Castle
16:00-17:00	Return down to Schwangau

**Departure: 17:00 h: Return to Heinrich-Pabst-Strasse in Stuttgart-Hohenheim**

**Arrival: 20:00-20:30 h (approx.)**

For excursion on 08 November 2023 see map on p. 19.

**Thursday, 09 November 2023: Fifth block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 4)**

**Venue: University of Hohenheim, Katharinsaal in Euroforum, Kirchnerstrasse 3, 70599 Stuttgart**

CET Beijing time	Content	Speakers	Title/organization
<b>Session I: Presentations by (post-)doctoral researchers 1</b>			
Chairpersons: Dr. Hans Oechner, Assoc. Prof. Dr. Jianbin Guo			
08:30-08:55 15:30-15:55	RS 3.2 (2 presenters)	7.5 min. (post-)doctoral researcher UHOH + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below	
08:55-09:20 15:55-16:20	RS 3.3 (2 presenters)		
09:20-10:00 16:20-17:00	RS 3.4 (4 presenters, incl. Dr. Muhammad-Jamal Alhnidi on German side)		
10:00-10:20 17:00-17:20	Coffee/tea break		
<b>Session II: Presentations by (post-)doctoral researchers 2</b>			
Chairpersons: Dr. Kirsten Boysen-Urban, Prof. Dr. Laping Wu			
10:20-10:45 17:20-17:45	RS 3.1 (2 presenters)	7.5 min. (post-)doctoral researcher UHOH + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below	
10:45-11:10 17:45-18:10	RS 4.1 (2 presenters)		
11:10-11:35 18:10-18:35	RS 4.2 (2 presenters)		
11:35-11:52 18:35-18:52	RS 4.3 (1 presenter)		
12:00-13:30 19:00-20:30	Lunch at UHOH (Mensa) (self-organized)		
<b>Session III: Presentations by doctoral researchers 3</b>			
Chairpersons: Dr. Jürgen Franzaring, Prof. Dr. Xuejun Liu			
13:30-14:03 20:30-21:03	RS 2.1 (3 presenters)	7.5 min. doctoral researcher UHOH + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below	
14:03-14:50 21:03-21:50	RS 2.2 (5 presenters, incl. Mr. Ali Kurdestani, Mr. Benedikt Müller on German side)		
14:50-15:15 21:50-22:15	RS 2.3 (2 presenters)		
15:15-15:38 22:15-22:38	RS 2.4 (3 presenters)		

15:40-16:00 22:40-23:00	Coffee/tea break	
<b>Session IV: Presentations by (post-)doctoral researchers 4</b>		
Chairpersons: Dr. Sebastian Munz, Assoc. Prof. Dr. Lin Zhang		
16:00-16:25 23:00-23:25	RS 1.1 (2 presenters)	
16:25-17:05 23:25-00:05	RS 1.2 (4 presenters)	
17:05-17:38 00:05-00:38	RS 1.3 (3 presenters)	
17:38-17:40 00:38-00:40	Closing remarks and announcements Day 4	

ZOOM Meeting Day 4 (09 November): 08:00 h CET, 15:00 h Beijing time

<https://uni-hohenheim.zoom-x.de/j/69659530660?pwd=aVZEMXM3QWxoZG1nbEpPZUNGbzhndz09>

Meeting ID: 696 5953 0660

Passcode: aBHx6R



**Friday, 10 November 2023: Fifth block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 5)****Venue: University of Hohenheim, Katharinasaal in Euroforum, Kirchnerstrasse 3, 70599 Stuttgart**

CET	Content	Speakers	Title/organization
Beijing time			
<b>Session I: AMAIZE-P Advisory Board Meeting, including German and Chinese Principal Investigators and Senior Researchers (hybrid)</b>			
Chairpersons: Prof. Dr. Torsten Müller, Prof. Dr. Lixing Yuan			
08:00-09:00	Discussion of general and specific issues, agenda t.b.d. by Advisory Board		
15:00-16:00			
<b>Session II: Short summaries of world café format discussions</b>			
Chairpersons: Dr. Marco Roelcke, Assoc. Prof. Dr. Cheng Lingyun			
09:00-10:00	RS 1.1 - RS 4.3	3-4 min for each RS	
16:00-17:00			
10:00-10:15	Coffee/tea break		
17:00-17:15			
<b>Session III Feedback session with German and Chinese doctoral researchers</b>			
Chairpersons: Prof. Dr. Torsten Müller, Assoc. Prof. Dr. Lingyun Cheng			
10:15-11:15	Feedback session with German and Chinese doctoral researchers	Prof. Dr. Torsten Müller	Institute of Crop Science, University of Hohenheim
17:15-18:15		Assoc. Prof. Dr. Lingyun Cheng	College of Resources and Environmental Sciences, CAU
11:15-11:25	Closing ceremony	Prof. Torsten Müller, UHOH,	
18:15-18:25		Dr. Marco Roelcke, UHOH Prof. Dr. Lixing Yuan, CAU Prof. Dr. Xuejun Liu, CAU	
11:30-12:00	Lunch at UHOH (Mensa) (self-organized)		
18:30-19:00			

ZOOM Meeting Day 5 (10 November): 07:30 h CET, 14:30 h Beijing time

<https://uni-hohenheim.zoom-x.de/j/62768367689?pwd=NkN5TzFrdXlvcGNTUjl6aitSbkdxZz09>

Meeting ID: 627 6836 7689

Passcode: pxbc5D

**Excursion****Friday, 10 November 2023 (Day 5) afternoon****Departure: 14:00 h** from bus stop "Universität Hohenheim" (Heinrich-Pabst-Strasse) in Hohenheim

13:30-14:30 h: Drive by coach to 72145 Hirrlingen

Time (CET)

14:30-16:00 Guided visit of Central Field Experiment in Hirrlingen

**Departure: 16:00 h:** Return to Heinrich-Pabst-Strasse in Stuttgart-Hohenheim. **Arrival: 17:00 h (approx.)**

For excursion on 10 November 2023 see map on p. 20.

## Short biographical profiles of invited speakers



### **Associate Professor Dr. Goswin Heckrath**

Department of Agroecology  
Aarhus University, Tjele, Denmark  
E-mail: [goswin.heckrath@agro.au.dk](mailto:goswin.heckrath@agro.au.dk)  
Orchid number: 0000-0001-7879-9404

**Biographical Sketch:** Dr. Heckrath graduated from University of Hohenheim and did his PhD at Rothamsted Research before taking up a position at the Danish Institute of Agricultural Sciences. For 30 years, he has been working with the accumulation and mobility of phosphorus in agricultural landscapes including the variability of critical source areas for phosphorus loss. He has investigated soil redistribution by water and tillage and its impact on soil property evolution in cool climates.

Dr. Heckrath provides policy support to Danish authorities within the thematic research areas of soil health and mitigation of nutrient emissions from agriculture, which includes the development of tools for practical risk assessment. He teaches undergraduate and graduate courses in Agroecology, Soil Science and Agro-environmental Management at Aarhus University and has been guest lecturer at University of Basel for ten years. He is author of c. 230 scientific publications including 50 peer-reviewed papers and has been associate editor of *Journal of Environmental Quality* for many years.

### **Selected publications:**

- Heckrath, G.**, Brookes, P.C., Poulton, P.R., Goulding, K.W.T. 1995. Phosphorus leaching from different soils containing different P concentrations in the Broadbalk experiment. *J. Environ. Qual.*, 24, 904-910.
- Onnen, N., **Heckrath, G.**, Olsen, P., Greve, M., Pulens, J.W.M., Kronvang, B., Van Oost, K. 2019. Distributed water erosion modelling at fine spatial resolution across Denmark. *Geomorphology* 342, 150-162..
- Pugliese, L., De Biase, M., Chidichimo, F., **Heckrath, G.**, Iversen, B. Kjærgaard, C., Straface, S. 2020. Modelling phosphorus removal efficiency of a reactive filter treating agricultural tile drainage water. *Ecological Engineering* 156, [doi.org/10.1016/j.ecoleng.2020.105968](https://doi.org/10.1016/j.ecoleng.2020.105968).
- Rubaek, G.H., Kristensen, K., Olesen, S.E., Ostergaard, H.S., **Heckrath, G.** 2013. Phosphorus accumulation and spatial distribution in agricultural soils in Denmark. *Geoderma*, 209, 241-250..
- Van Oost, K., Quine, T.A., Govers, G., De Gryze, S., Six, J., Harden, J.W., Ritchie, J.C., McCarty, G.W., **Heckrath, G.**, Kosmas, C., Giraldez, J.V., Marques da Silva, J.R., Merckx R. 2007. The impact of agricultural soil erosion on the global carbon cycle. *Science* 318, 626-629.



**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.



**Professor Dr. Lin Ma**

Center for Agricultural Resources Research  
Faculty of Agricultural and Environmental Sciences  
Chinese Academy of Sciences (CAS)  
Shijiazhuang, China  
E-mail: [malin1979@sjziam.ac.cn](mailto:malin1979@sjziam.ac.cn)

**Biographical Sketch:** Lin Ma is professor in the Center for Agricultural Resources Research of Chinese Academy of Sciences (CAS). He has extensive knowledge on the integrated assessment of nutrient flows in food production and consumption chains and manure management. Lin Ma initiated a research group named COFER group (Coupling of Food, Environmental impact and Resource use). The missions of this group are: (1) to

generate knowledge for achieving Sustainable Development Goals (SDGs) of agriculture and food systems by analyzing complex “soil-crop production-animal production-food processing-household consumption” chains, (2) to integrate the knowledge to design a sustainable and coupled crop and animal production system, and (3) to develop techniques of manure management from “housing-storage-processing-application” chain.

Publications list from the following link:

[http://english.sjziam.cas.cn/scientist/index\\_16269.html?json=http://www.sjziam.cas.cn/sourcedb\\_sjziam\\_cas/yw/fy/pr/202203/t20220321\\_6401360.json](http://english.sjziam.cas.cn/scientist/index_16269.html?json=http://www.sjziam.cas.cn/sourcedb_sjziam_cas/yw/fy/pr/202203/t20220321_6401360.json)



**Dr. Panos Panagos**

European Commission  
Joint Research Centre (JRC)  
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Ispra, Italy  
E-mail: [Panos.PANAGOS@ec.europa.eu](mailto:Panos.PANAGOS@ec.europa.eu)

**Biographical Sketch:** Dr. Panos Panagos is a senior scientist at JRC (Joint Research Centre, European Commission). He has more than 16 years' experience in environmental modelling and policy developments in the European Commission.

Panos is responsible for the Development of the EU Soil Observatory (EUSO). He is also involved in many EU Policy developments such as the Soil Monitoring Law, the Soil Mission, the Common Agricultural Policy and others.

Panos Panagos has a PhD in soil erosion modelling from University of Basel, and Master in Business Administration from Patras University and an Information Technology degree from Athens University of Economics & Business.

Panos leads the European and Global and European soil erosion assessments and contributes to modelling assessments of soil organic carbon, diffuse pollution and nutrients in soil. Such assessments have contributed to the development of the EU soil Health Dashboard.

In addition, Panos has more than 180 publications in peer-review journals and he has been awarded the Web of Science highly influential scientist award for the last 5 years (2019-2023).

## **Participants List**

### **Invited speakers**

1. Assoc. Prof. Dr. Goswin Johann Heckrath, Aarhus University, Tjele, Denmark
2. Prof. Dr. Jagdish Kumar Ladha, University of California, Davis, USA
3. Prof. Dr. Lin Ma, Institute of Genetics and Developmental Biology, Chinese Academy of Sciences (CAS)
4. Dr. Panos Panagos, European Commission, Joint Research Centre (JRC), Sustainable Resources, Ispra, Italy

### **German Side**

5. Prof. Dr. Stephan Dabbert, Rector, University of Hohenheim
6. Prof. Dr. Ralf T. Vögele, Dean, Faculty of Agricultural Sciences, University of Hohenheim (UHOH)
7. Prof. Dr. Torsten Müller, IRTG Spokesperson, Institute of Crop Science, UHOH
8. Prof. Dr. Joachim Müller, IRTG Deputy Spokesperson, Institute of Agricultural Engineering, UHOH
9. Prof. Dr. Reiner Doluschitz, former IRTG Deputy Spokesperson, Institute of Farm Economics, UHOH
10. Dr. Marco Roelcke, IRTG Coordinator, UHOH
11. Prof. Dr. Tobias Würschum, Institute of Plant Breeding, Seed Science and Population Genetics, UHOH
12. Prof. Dr. Uwe Ludewig, Institute of Crop Science, UHOH
13. Prof. Dr. Waltraud Schulze, Department of Plant Systems Biology, UHOH
14. Jun.-Prof. Dr. Andreas Schweiger, Institute of Landscape and Plant Ecology, UHOH
15. Prof. Dr. Simone Graeff-Hönninger, Institute of Crop Science, UHOH
16. Prof. Dr. Jan Frank, Institute of Biological Chemistry and Nutrition, UHOH
17. Jun.-Prof. Dr. Amélia Camarinha Silva, Institute of Animal Science, UHOH
18. Prof. Dr. Markus Rodehutschord, Institute of Animal Science, UHOH
19. Prof. Dr. Andrea Kruse, Institute of Agricultural Engineering, UHOH
20. Prof. Dr. Enno Bahrs, Institute of Farm Economics, UHOH
21. Dr. Hans Oechsner, State Institute for Agricultural Engineering and Bioenergy, UHOH
22. Dr. Kirsten Boysen-Urban, International Trade and Food Security, UHOH
23. Dr. Jürgen Franzaring, Institute of Landscape and Plant Ecology, UHOH
24. Dr. Sebastian Munz, Post-doctoral researcher, Institute of Crop Science, UHOH
25. Dr. Christian Sponagel, Post-doctoral researcher, Institute of Farm Economics, UHOH
26. Dr. Muhammad Jamal Alhnidi, Post-doctoral researcher, Institute of Agricultural Engineering, UHOH
27. Dr. Zhichong Wang, Post-doctoral researcher, Pattern Management in China Project, Institute of Agricultural Engineering, UHOH
28. Mr. Gero Becker, Institute of Agricultural Engineering, UHOH
29. Ms. Sandra Roller, Doctoral researcher on German side, RS 1.1
30. Mr. Néstor Fabián Pinilla, Doctoral researcher on German side, RS 1.2
31. Mr. Zeeshan, Doctoral researcher on German side, RS 1.3
32. Ms. Shinye Lee, Doctoral researcher on German side, RS 2.1
33. Ms. Fangfang Ning, Doctoral researcher external on German side, RS 2.1
34. Ms. Michelle Herrmann, Doctoral researcher on German side, RS 2.2

35. Mr. Ali Malakshahi Kurdestani, Doctoral researcher on German side, RS 2.2
36. Mr. Benedikt Müller, Doctoral researcher external on German side, RS 2.2
37. Ms. Yawen You, Doctoral researcher external on German side, RS 2.2
38. Ms. Alice Reineke, Doctoral researcher on German side, RS 2.3
39. Mr. Leon Oehme, Doctoral researcher on German side, RS 2.3
40. Ms. Douae El Khaiter, Doctoral researcher on German side, RS 2.4
41. Mr. Esteban Gutierrez La Torre, Doctoral researcher on German side, RS 3.1
42. Mr. Ismael Rubio-Cervantes, Doctoral researcher on German side, RS 3.2
43. Ms. Naga Sai Uppuluri, Doctoral researcher on German side, RS 3.3
44. Mr. Antti Metsälä, Doctoral researcher on German side, RS 3.4
45. Mr. Tristan Herrmann, Doctoral researcher on German side, RS 4.1
46. Mr. Daniel Wanke, Doctoral researcher on German side, RS 4.2
  
47. Mr. Zhangkai Wu, Doctoral Researcher, Institute of Agricultural Engineering, University of Hohenheim
48. Mr. Xiu hao Quan, Doctoral Researcher, Pattern Management in China Project, Institute of Farm Economics, University of Hohenheim
49. Ms. Yang Zhang, Doctoral Researcher, Pattern Management in China Project, Institute of Agricultural Engineering, University of Hohenheim
50. Ms. Yuyi Sang, Master student, Institute of Farm Economics, University of Hohenheim
51. Ms. Friederike Selensky, Doctoral Researcher, trans4num project, University of Hohenheim

### **Chinese Side**

52. Prof. Dr. Qixin Sun, President, 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. Lixing Yuan, Dean, College of Resources and Environmental Sciences (CRES), China Agricultural University (CAU)
55. Prof. Dr. Xuejun Liu, IRTG Deputy Spokesperson, Coordinator, CRES, CAU
56. Prof. Dr. Jianbo Shen, CRES, CAU
57. Prof. Dr. Xinping Chen, College of Resources and Environment, Southwest University
58. Prof. Dr. Huaiyu Yang, College of Resources and Environment, Southwest University
59. Prof. Dr. Huafen Li, CRES, CAU
60. Prof. Dr. Chunqin Zou, CRES, CAU
61. Prof. Dr. Xuexian Li, CRES, CAU
62. Prof. Dr. Zhongtao Jia, CRES, CAU
63. Prof. Dr. Wenfeng Cong, CRES, CAU
64. Prof. Dr. Pu Wang, College of Agronomy and Biotechnology, CAU
65. Prof. Dr. Shunli Zhou, College of Agronomy and Biotechnology, CAU
66. Prof. Dr. Xiongkui He, College of Science, CAU
67. Prof. Dr. Jianfen Liang, College of Food Science and Nutritional Technology, CAU
68. Prof. Dr. Ji Ma, College of Economics and Management, CAU
69. Prof. Dr. Laping Wu, College of Economics and Management, CAU
70. Assoc. Prof. Dr. Lingyun Cheng, CRES, CAU
71. Assoc. Prof. Dr. Sen Yang, CRES, CAU
72. Assoc. Prof. Dr. Tao Zhang, CRES, CAU

73. Assoc. Prof. Dr. Lin Zhang, CRES, CAU
74. Assoc. Prof. Dr. Yong Hou, CRES, CAU
75. Assoc. Prof. Dr. Wen Xu, CRES, CAU
76. Assoc. Prof. Dr. Yanan Wan, CRES, CAU
77. Assoc. Prof. Dr. Prof. Wenxin Liu, College of Agronomy and Biotechnology, CAU
78. Assoc. Prof. Dr. Qiugang Ma, College of Animal Science and Engineering, CAU
79. Assoc. Prof. Dr. Jianbin Guo, College of Engineering, CAU
80. Assoc. Prof. Dr. Changling Wang, College of Agronomy and Biotechnology, CAU
81. Assoc. Prof. Dr. Wei Zhang, College of Resources and Environment, Southwest University
82. Dr. Yajuan Li, Postdoc, CRES, CAU
83. Dr. Shimeng Huang, College of Animal Science and Engineering, CAU
84. Dr. Zihan Wang, Postdoc, CRES, CAU
85. Dr. Zhong Zhuang, Postdoc, CRES, CAU
  
86. Ms. Yan Du, Doctoral researcher on Chinese side, RS 1.1
87. Ms. Pengxia Zhang, Doctoral researcher on Chinese side, RS 1.2
88. Mr. Jie Xu, Doctoral researcher on Chinese side, RS 1.2
89. Ms. Dandan Li, Doctoral researcher on Chinese side, RS 1.2
90. Ms. Xiaoting Liu, Doctoral researcher on Chinese side, RS 1.3
91. Ms. Yan Sun, Doctoral researcher on Chinese side, RS 1.3
92. Mr. Zhen Chen, Doctoral researcher on Chinese side, RS 2.1
93. Mr. Shunjin Li, Doctoral researcher on Chinese side, RS 2.2
94. Mr. Baogang Yu, Doctoral researcher on Chinese side, RS 2.2
95. Mr. Peng Qi, Doctoral researcher on Chinese side, RS 2.3
96. Ms. Qiqi Wang, Doctoral researcher on Chinese side, RS 2.4
97. Ms. Ruotong Si, Doctoral researcher on Chinese side, RS 2.4
98. Ms. Lei Ma, Doctoral researcher on Chinese side, RS 3.1
99. Mr. Zhonghao Liu, Doctoral researcher on Chinese side, RS 3.2
100. Ms. Xueling Ran, Doctoral researcher on Chinese side, RS 3.3
101. Ms. Ting Yan, Doctoral researcher on Chinese side, RS 3.4
102. Ms. Qiong Wu, Doctoral researcher on Chinese side, RS 3.4
103. Ms. Xinjuan Cai, Doctoral researcher on Chinese side, RS 4.1
104. Mr. Bowen Ma, Doctoral researcher on Chinese side, RS 4.2
105. Mr. Kunyang Zhang, Doctoral researcher on Chinese side, RS 4.3
  
106. Ms. Xiaoyan Li, Deputy Director, Cooperation and Exchange Office, Yantai Institute of China Agricultural University (CAU)
107. Ms. Luozhi Zhang, Bachelor student, Yantai Institute of CAU
108. Ms. Hao Ai, Bachelor student, Yantai Institute of CAU
109. Mr. Huiyang Dou, Bachelor student, Yantai Institute of CAU
110. Mr. Shengbo Zhu, Bachelor student, Yantai Institute of CAU
111. Mr. Tianhao Zhu, Bachelor student, Yantai Institute of CAU
112. Ms. Yiqiang Wen, Bachelor student, Yantai Institute of CAU



## **Block seminar venues in Hohenheim:**

**06.11., 09.11., 10.11.2023:**

**Katharinasaal, Euroforum**

Kirchnerstrasse 3, 70599 Stuttgart

**07.11.2023:**

**Tagungshaus Christkönigshaus**

Paracelsusstrasse 89, 70599 Stuttgart

**06.11.2023 Evening Reception:**

**Hohenheim Palace**

Schloss Hohenheim 1, 70599 Stuttgart

## **Front cover**

Field experiment plot at Heßberg Experimental Station of Thüringer Landesamt für Landwirtschaft und Ländlichen Raum (TLLLR), German State of Thuringia. Photo: © Mr. Daniel Wanke, 2023.

## **Project website:**

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



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## **Please note:**

During the block seminar, the online 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. Videos will be made available upon request for IRTG

## **Hotel accommodation in Hohenheim:**

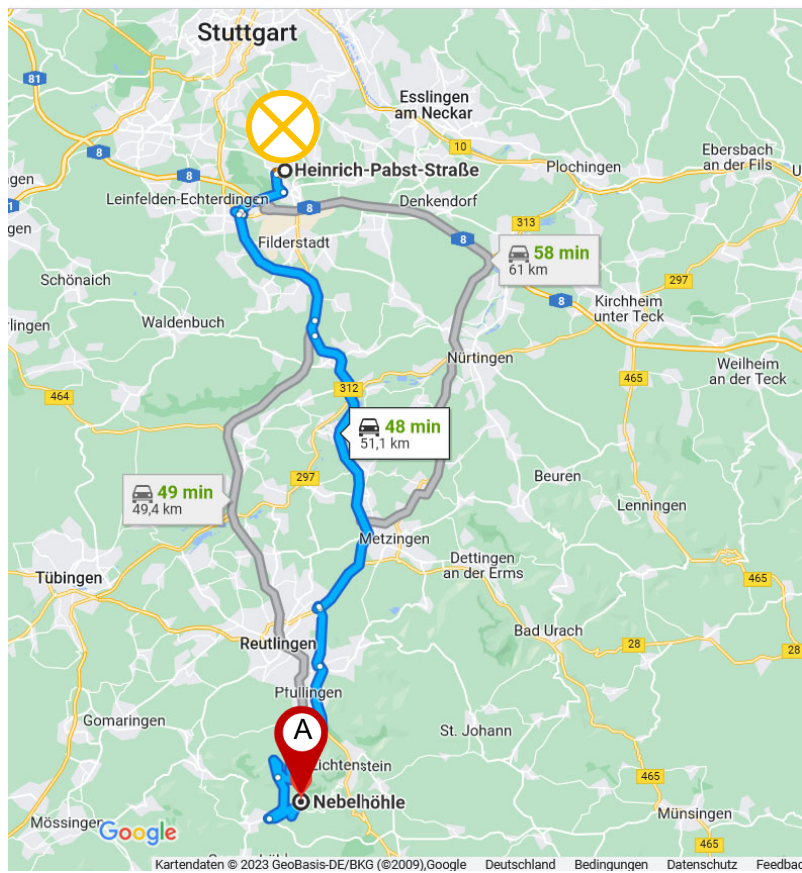
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[info@apart-hotel.de](mailto:info@apart-hotel.de)

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[hohenheim@akademie-rs.de](mailto:hohenheim@akademie-rs.de)   [www.akademie-rs.de](http://www.akademie-rs.de)

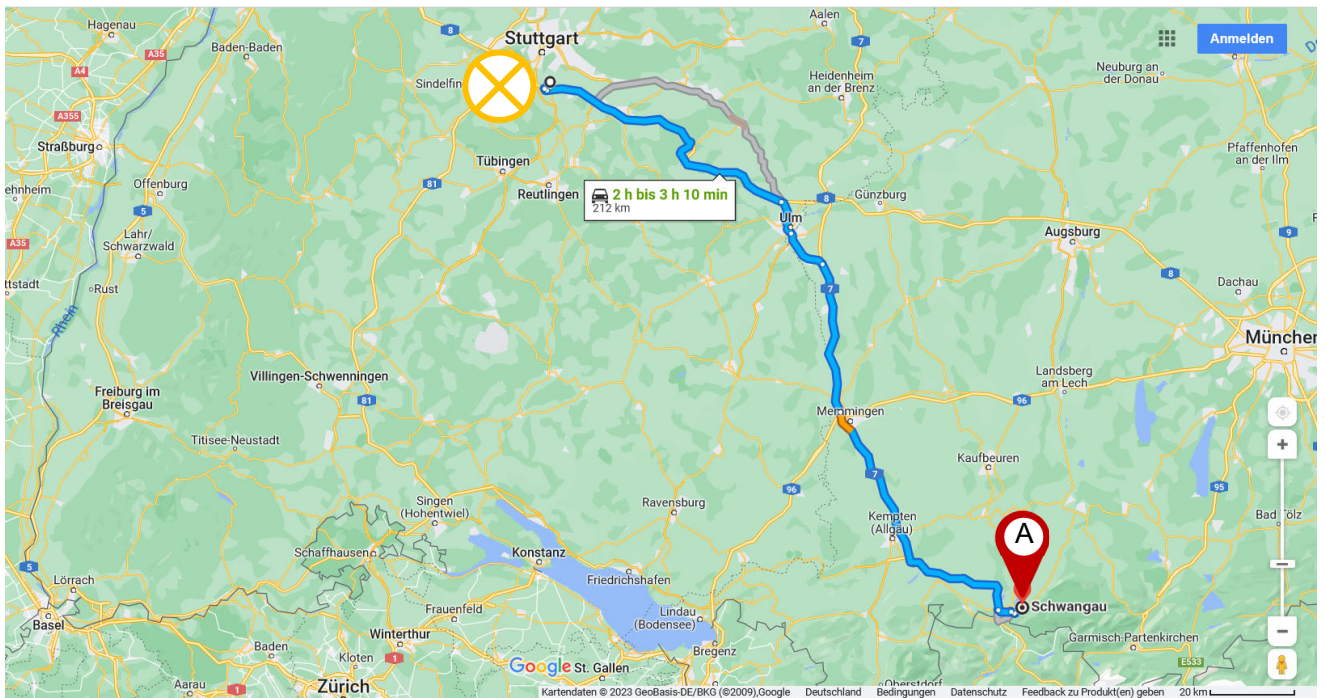
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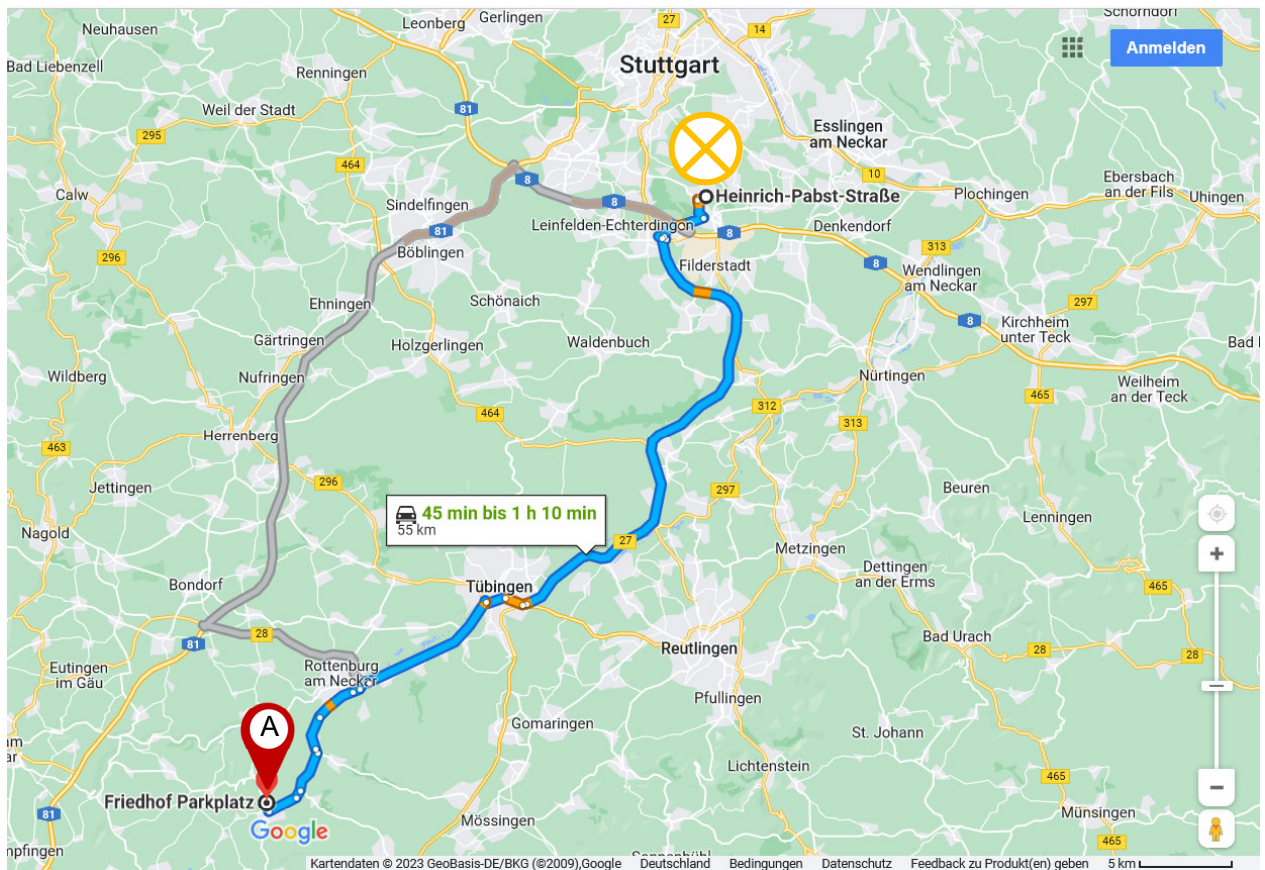
(see maps on following pages)





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	Karst cave Nebelhöhle, 72820 Sonnenbühl



	University of Hohenheim
	Neuschwanstein Castle Schwangau, Neuschwansteinstrasse 20, 87645 Hohenschwangau



	University of Hohenheim
	Central Field Experiment AMAIZE-P Friedhof Parkplatz, Frommenhauser Strasse, 72145 Hirrlingen