



UNIVERSITY OF  
HOHENHEIM



AMAIZE-P

Third Block Seminar of the 2<sup>nd</sup> Cohort  
P Management at field and farm level  
07 - 11 November 2022 (hybrid)



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



**Thursday, 27 October 2022:**

**Educational contents for doctoral researchers at the University of Hohenheim: 18 participants**

**Venue: Lecture hall HS G-C01-C02, GENO building, Steckfeldstrasse 2**

09:00-12:00	Workshop on “Equal opportunities, self-reflection and career development” morning session	Ms. Elke-Maria Rosenbusch; Ms. Brigitte Ott-Goebel	Rosenbusch Kommunikation, Stuttgart, Germany Ott-Goebel Consulting, Ostfildern-Kemnat, Germany
10:30	<b>Group photo</b> and coffee break		
12:15-13:00	Lunch at University “Mensa”		
13:15-16:30	Workshop on “Equal opportunities, self-reflection and career development” afternoon session	Ms. Elke-Maria Rosenbusch; Ms. Brigitte Ott-Goebel	Rosenbusch Kommunikation, Stuttgart, Germany; Ott-Goebel Consulting, Ostfildern-Kemnat, Germany

**Monday, 07 November 2022: Third block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 1)****Venues: Hohenheim: Lecture hall HS 13 b, Garbenstrasse 17, 1. UG (basement)****CAU: West Campus, Zihuan building, Meeting room 4-206**

CET Beijing time	Content	Speakers	Title/organization
<b>Welcome addresses</b>			
Chairpersons: Dr. Marco Roelcke, Prof. Dr. Xuejun Liu			
08:00-08:10 15:00-15:10	Welcome addresses	Prof. Dr. Ralf T. Vögele Prof. Dr. Lixing Yuan	Dean, Faculty of Agricultural Sciences, UHOH Dean, College of Resources & Environmental Sciences, CAU
08:10-08:15 15:10-15:15	Welcome addresses	Prof. Dr. Torsten Müller Prof. Dr. Lixing Yuan	Institute of Crop Science, UHOH College of Resources & Environmental Sciences, CAU
<b>Session I: Presentations by (post-)doctoral researchers 1</b>			
Chairpersons: Dr. Marco Roelcke, Prof. Dr. Xuejun Liu			
08:15-08:40 15:15-15:40	RS 4.2 (2 presenters)	7.5 min. Dr. Peteh Mehdi Nkebiwe (former post-doctoral researcher UHOH) + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below	
08:40-09:05 15:40-16:05	RS 4.1 (2 presenters)		
09:05-09:30 16:05-16:30	SA 4 (2 presenters): Mr. Pranav Patil on the German side, Ms. Xiaoxiao Li (RS 4.3) on the Chinese side)		
09:30-09:55 16:30-16:55	Coffee break UHOH Tea break CAU		
<b>Session II: Presentations by (post-)doctoral researchers 2</b>			
Chairpersons: Mr. Gero Becker, Assoc. Prof. Dr. Lingyun Cheng			
09:55-10:35 16:55-17:35	RS 3.4 (4 presenters, incl. Dr. Muhammad-Jamal Alhnidi on German side)	7.5 min. (post-)doctoral researcher UHOH + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below	
10:35-11:00 17:35-18:00	RS 3.3 (2 presenters)		
11:00-11:25 18:00-18:25	RS 3.2 (2 presenters)		
11:25-11:50 18:25-18:50	RS 3.1 (2 presenters)		
11:50-12:00 18:50-19:00	Closing remarks and announcements Day 1		
12:00-13:00 19:00-20:00	Lunch at UHOH (Mensa) (self-organized) Dinner at CAU (self-organized)		

ZOOM Meeting Day 1 (07 November): 07:30 h CET, 14:30 h Beijing time  
<https://uni-hohenheim.zoom.us/j/86391290770?pwd=QzVsTFIabEF6Rjl1d0JicHZtdEVSZz09>  
 Meeting ID: 863 9129 0770  
 Passcode: zyu64W

<b>Tuesday, 08 November 2022: Third block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 2)</b>			
<b>Venues: Hohenheim: Lecture hall HS 13 b, Garbenstrasse 17, 1. UG (basement)</b>			
<b>CAU: West Campus, Zihuan building, Meeting room 4-206</b>			
<b>CET</b>	<b>Content</b>	<b>Speakers</b>	<b>Title/organization</b>
<b>Beijing time</b>			
<b>Session I: Two scientific talks by invited speakers</b>			
Chairpersons: Dr. Marco Roelcke, Prof. Dr. Xuejun Liu			
08:00-08:50 15:00-15:50	Plant diversity improves phosphorus utilization in intercropping and grassland	Prof. Dr. Long Li	China Agricultural University (CAU), Beijing, China
08:50-09:40 15:50-16:40	Global cropping systems: Designing and assessing system efficiency & explaining phosphorus use efficiency	Adjunct Prof. Dr. Jagdish Kumar Ladha	University of California, Davis, USA
09:40-10:15 16:40-17:15	<b>Group photo: Coffee break UHOH</b> <b>Group photo: Tea break CAU</b>		
<b>Session II: Two scientific talks by invited speakers</b>			
Chairpersons: Prof. Dr. Torsten Müller, Prof. Dr. Lixing Yuan			
10:15-11:05 17:15-18:05	Realising the circular phosphorus economy	Prof. Dr. Susanne Schmidt	University of Queensland, Australia
11:05-11:55 18:05-18:55	Sustainable use of phosphorus in arable farming - Germany/EU perspective	Prof. Dr. Peter Leinweber	University of Rostock, Germany
11:55-12:00 18:55-19:00	Closing remarks and announcements Day 2		
12:00-13:00 19:00-20:00	Lunch at UHOH (Mensa) (self-organized) Dinner at CAU (self-organized)		

ZOOM Meeting Day 2 (08 November): 07:30 h CET, 14:30 h Beijing time  
<https://uni-hohenheim.zoom.us/j/82998416918?pwd=dTZ0L2VxSzNwNlgxQWhuSkZsQ0pSUT09>  
 Meeting ID: 829 9841 6918  
 Passcode: 03pLFv

## Excursion

Wednesday, 09 November 2022: Third block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 3)

**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)	
09:30-10:00	Short guided tour through the research station by Mr. Tobias Konrad.
10:00-10:30	Visit field plots “Tanne” and “Schenk” – with introduction to ongoing field experiments in RS 2.1 and 2.2
10:30	Departure for Trochtelfingen

**Noon visit: ALB-GOLD pasta company:** Klaus-Freidler-Strasse 1 (formerly: Im Grindel 1), 72818 Trochtelfingen

<https://www.alb-gold.de/en.html>

11:00-12:30	Guided tour (in German) through Customer Center and production facilities via “sky-walk”
12:30-13:30	Lunch at Restaurant SONNE (noodle dishes, preordered)
13:30-13:45	Visit of ALB-GOLD company shop
14:00	Departure for Lichtenstein

**Afternoon visit: Lichtenstein Castle:** 72805 Lichtenstein.

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

15:00-15:30	Guided tour (in English) of Lichtenstein Castle
15:30-16:30	Free time around Lichtenstein Castle

**Departure: 16:30 h (approx.): Return to Heinrich-Pabst-Strasse in Stuttgart-Hohenheim**

**Arrival: 17:30 h (approx.)**

**Thursday, 10 November 2022: Third block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 4)****Venues: Hohenheim: Hohenheim Palace, Balcony Room (1<sup>st</sup> upper level)****CAU: West Campus, Zihuan building, Meeting room 4-206**

CET Beijing time	Content	Speakers	Title/organization
<b>Session I: Presentations by doctoral researchers 3</b>			
Chairpersons: Dr. Sebastian Munz, Prof. Dr. Huaiyu Yang			
08:00-08:33 15:00-15:33	RS 2.4 (3 presenters)	7.5 min. doctoral researcher UHOH + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below	
08:33-08:58 15:33-15:58	RS 2.3 (2 presenters)		
08:58-09:45 15:58-16:45	RS 2.2 (5 presenters, incl. Mr. Ali Kurdestani, Mr. Benedikt Müller on German side)		
09:45-10:05 16:45-17:05	Coffee break UHOH Tea break CAU		
<b>Session II: Presentations by doctoral researchers 4</b>			
Chairpersons: Dr. Jürgen Franzaring, Prof. Dr. Lixing Yuan			
10:05-10:38 17:05-17:38	RS 2.1 (3 presenters)	7.5 min. doctoral researcher UHOH + 7.5 min. doctoral researcher CAU + 10 min. discussion, same for all below	
10:38-11:10 17:38-18:10	RS 1.3 (3 presenters)		
11:10-11:58 18:10-18:58	RS 1.2 (5 presenters)		
11:58-12:23 18:58-19:23	RS 1.1 (2 presenters)		
12:23-12:30 19:23-19:30	Closing remarks and announcements Day 4		
12:40-13:40 19:40-20:40	Lunch at UHOH (Mensa) (self-organized) Dinner at CAU (self-organized)		
<b>Session III: Scientific talk by invited speaker</b>			
Chairpersons: Prof. Dr. Uwe Ludewig, Prof. Dr. Lixing Yuan			
14:00-15:00 21:00-22:00	The discovery of high-yielding gene OsDREB1C in rice	Prof. Dr. Wenbin Zhou	Chinese Academy of Agricultural Sciences (CAAS), Beijing, China

ZOOM Meeting Day 4 (10 November): 07:30 h CET, 14:30 h Beijing time

<https://uni-hohenheim.zoom.us/j/88572523939?pwd=TDdLVdJFRlRpVWpYbmdSNWxrbzVSUT09>

Meeting ID: 885 7252 3939

Passcode: t9sANG

**Venue: t.b.d.**

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

**Friday, 11 November 2022: Third block seminar of IRTG AMAIZE-P 2<sup>nd</sup> cohort (Day 5)**

**Venues: Hohenheim: Hohenheim Palace, Balcony Room (1<sup>st</sup> upper level)**

**CAU: West Campus, Zihuan building, Meeting room 4-206**

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

CET Beijing time	Content	Speakers	Title/organization
<b>08:00-09:00</b> <b>15:00-16:00</b>	<b>AMAIZE-P Advisory Board Meeting, including German and Chinese Principal Investigators and Senior Researchers (hybrid)</b>		
	Short briefing following outcome of renewal proposal evaluation	Prof. Dr. Torsten Müller Prof. Dr. Lixing Yuan	Institute of Crop Science, University of Hohenheim College of Resources and Environmental Sciences, CAU
<b>Session II: Educational content (interactive) for German and Chinese doctoral researchers (hybrid)</b>			
Chairpersons: Dr. Marco Roelcke, Assoc. Prof. Dr. Lingyun Cheng			
<b>09:00-09:45</b> <b>16:00-16:45</b>	Successful PhD studies require effective advisor interactions (Part 1)	Prof. Dr. Susanne Schmidt	University of Queensland, Australia
<b>09:45-10:10</b> <b>16:45-17:10</b>	Coffee break UHOH Tea break CAU		
<b>Session III: Educational content (interactive) for German &amp; Chinese doctoral researchers (hybrid)</b>			
Chairpersons: Dr. Marco Roelcke, Assoc. Prof. Dr. Lingyun Cheng			
<b>10:10-11:00</b> <b>17:10-18:00</b>	Successful PhD studies require effective advisor interactions (Part 2)	Prof. Dr. Susanne Schmidt	University of Queensland, Australia
<b>Session IV: Feedback session with German and Chinese doctoral researchers (hybrid)</b>			
Chairpersons: Prof. Dr. Torsten Müller, Assoc. Prof. Dr. Lingyun Cheng			
<b>11:00-12:00</b> <b>18:00-19:00</b>	Feedback session with German and Chinese doctoral researchers	Prof. Dr. Torsten Müller Assoc. Prof. Dr. Lingyun Cheng	Institute of Crop Science, University of Hohenheim College of Resources and Environmental Sciences, CAU
<b>12:00-12:15</b> <b>19:00-19:15</b>	Closing ceremony	Prof. Torsten Müller, UHOH, Prof. Dr. Susanne Schmidt, Univ. of Queensland Prof. Dr. JK Ladha, UC Davis Prof. Dr. Xuejun Liu, CAU	
<b>12:15-13:00</b> <b>19:15-20:00</b>	Lunch at UHOH (Mensa) (self-organized) Dinner at CAU (self-organized)		

ZOOM Meeting Day 5 (11 November): **07:30 h CET**, **14:30 h Beijing time**

<https://uni-hohenheim.zoom.us/j/86507084430?pwd=UFJxVmpvVWJlZEE4RGhKLzVzNmVQT09>

Meeting ID: 865 0708 4430

Passcode: YEJCR8



## **Participants List**

### **Invited speakers**

1. Prof. Dr. Jagdish Kumar Ladha, University of California, Davis, USA
2. Prof. Dr. Peter Leinweber, University of Rostock, Rostock, Germany
3. Prof. Dr. Long Li, China Agricultural University (CAU), Beijing, China
4. Prof. Dr. Susanne Schmidt, University of Queensland, Brisbane, Australia
5. Prof. Dr. Wenbin Zhou, Chinese Academy of Agricultural Sciences (CAAS), Beijing, China
  
6. Ms. Elke-Maria Rosenbusch, Rosenbusch Kommunikation, Stuttgart, Germany
7. Ms. Brigitte Ott-Goebel, Ott-Goebel Consulting, Ostfildern-Kemnat, Germany

### **German Side**

8. Prof. Dr. Ralf T. Vögele, Dean, Faculty of Agricultural Sciences, University of Hohenheim (UHOH)
9. Prof. Dr. Torsten Müller, IRTG Spokesperson, Institute of Crop Science, UHOH
10. Prof. Dr. Joachim Müller, IRTG Deputy Spokesperson, Institute of Agricultural Engineering, UHOH
11. Prof. Dr. Reiner Doluschitz, former IRTG Deputy Spokesperson, Institute of Farm Economics, UHOH
12. Dr. Marco Roelcke, IRTG Coordinator, UHOH
13. Prof. Dr. Tobias Würschum, Institute of Plant Breeding, Seed Science and Population Genetics, UHOH
14. Prof. Dr. Uwe Ludewig, Institute of Crop Science, UHOH
15. Prof. Dr. Waltraud Schulze, Department of Plant Systems Biology, UHOH
16. Jun.-Prof. Dr. Andreas Schweiger, Institute of Landscape and Plant Ecology, UHOH
17. Prof. Dr. Simone Graeff-Hönninger, Institute of Crop Science, UHOH
18. Prof. Dr. Jan Frank, Institute of Biological Chemistry and Nutrition, UHOH
19. Jun.-Prof. Dr. Amélia Camarinha Silva, Institute of Animal Science, UHOH
20. Prof. Dr. Markus Rodehutscord, Institute of Animal Science, UHOH
21. Prof. Dr. Andrea Kruse, Institute of Agricultural Engineering, UHOH
22. Prof. Dr. Enno Bahrs, Institute of Farm Economics, UHOH
23. Dr. Hans Oechsner, State Institute for Agricultural Engineering and Bioenergy, UHOH
24. Dr. Kirsten Boysen-Urban, International Trade and Food Security, UHOH
25. Dr. Jürgen Franzaring, Institute of Landscape and Plant Ecology, UHOH
26. Dr. Peteh Mehdi Nkebiwe, Scientist in Research and Development in Crop Nutrition, Yara GmbH & Co. KG, Dülmen, Germany
27. Dr. Sebastian Munz, Post-doctoral researcher, Institute of Crop Science, UHOH
28. Dr. Christian Sponagel, Post-doctoral researcher, Institute of Farm Economics, UHOH
29. Dr. Muhammad Jamal Alhnidi, Post-doctoral researcher, Institute of Agricultural Engineering, UHOH
30. Ms. Dr. Mingjie He, Post-doctoral researcher, Department of Plant Systems Biology, UHOH
31. Mr. Gero Becker, Institute of Agricultural Engineering, UHOH
32. Dr. Zhichong Wang, Post-doctoral researcher, Pattern Management in China Project, Institute of Agricultural Engineering, UHOH
33. Ms. Sandra Roller, Doctoral researcher on German side, RS 1.1

34. Ms. Melissa Mang, Doctoral researcher on German side, RS 1.2
35. Mr. Néstor Fabián Pinilla, Doctoral researcher on German side, RS 1.2
36. Mr. Zeeshan, Doctoral researcher on German side, RS 1.3
37. Ms. Shinhye Lee, Doctoral researcher on German side, RS 2.1
38. Ms. Fangfang Ning, Doctoral researcher external on German side, RS 2.1
39. Mr. Daniel Wanke, Doctoral researcher on German side, RS 2.2
40. Ms. Michelle Herrmann, Doctoral researcher on German side, RS 2.2
41. Mr. Ali Malakshahi Kurdestani, Doctoral researcher on German side, RS 2.2
42. Ms. Yawen You, Doctoral researcher external on German side, RS 2.2
43. Mr. Benedikt Müller, Doctoral researcher external on German side, RS 2.2
44. Ms. Alice Reineke, Doctoral researcher on German side, RS 2.3
45. Mr. Leon Oehme, Doctoral researcher on German side, RS 2.3
46. Ms. Douae El Khaiter, Doctoral researcher on German side, RS 2.4
47. Mr. Esteban Gutierrez La Torre, Doctoral researcher on German side, RS 3.1
48. Mr. Moritz Novotny, Doctoral researcher on German side, RS 3.2
49. Mr. Ismael Rubio-Cervantes, Doctoral researcher on German side, RS 3.2
50. Mr. Konstantin Dinkler, Doctoral researcher on German side, RS 3.3
51. Ms. Naga Sai Uppuluri, Doctoral researcher on German side, RS 3.3
52. Mr. Antti Metsälä, Doctoral researcher on German side, RS 3.4
53. Ms. Xiaomin Yu, Doctoral researcher on German side, RS 4.1
54. Mr. Tristan Herrmann, Doctoral researcher on German side, RS 4.1
55. Mr. Pranav Patil, Doctoral researcher external on German side, SA 4
  
56. Mr. Xiu hao Quan, Doctoral Researcher, Pattern Management in China Project, Institute of Farm Economics, University of Hohenheim
57. Ms. Yang Zhang, Doctoral Researcher, Pattern Management in China Project, Institute of Agricultural Engineering, University of Hohenheim
58. Ms. Yuyi Sang, Master student, Institute of Farm Economics, University of Hohenheim

### **Chinese Side**

59. Prof. Dr. Fusuo Zhang, Academician, IRTG Spokesperson, National Academy of Agriculture Green Development, China Agricultural University (CAU)
60. Prof. Dr. Lixing Yuan, Dean, College of Resources and Environmental Sciences (CRES), China Agricultural University (CAU)
61. Prof. Dr. Xuejun Liu, IRTG Deputy Spokesperson, Coordinator, CRES, CAU
62. Prof. Dr. Jianbo Shen, CRES, CAU
63. Prof. Dr. Xinping Chen, College of Resources and Environment, Southwest University
64. Prof. Dr. Huaiyu Yang, College of Resources and Environment, Southwest University
65. Prof. Dr. Huafen Li, CRES, CAU
66. Prof. Dr. Chunqin Zou, CRES, CAU
67. Prof. Dr. Xuexian Li, CRES, CAU
68. Prof. Dr. Pu Wang, College of Agronomy and Biotechnology, CAU
69. Prof. Dr. Shunli Zhou, College of Agronomy and Biotechnology, CAU
70. Prof. Dr. Xiongkui He, College of Science, CAU
71. Prof. Dr. Jianfen Liang, College of Food Science and Nutritional Technology, CAU
72. Prof. Dr. Ji Ma, College of Economics and Management, CAU
73. Prof. Dr. Haifeng Xiao, College of Economics and Management, CAU

74. Prof. Dr. Wu Laping, College of Economics and Management, CAU
75. Prof. Dr. Haigang Li, College of Inner Mongolia Agricultural University
76. Assoc. Prof. Dr. Lingyun Cheng, CRES, CAU
77. Assoc. Prof. Dr. Sen Yang, CRES, CAU
78. Assoc. Prof. Dr. Tao Zhang, CRES, CAU
79. Assoc. Prof. Dr. Yong Hou, CRES, CAU
80. Assoc. Prof. Dr. Prof. Wenxin Liu, College of Agronomy and Biotechnology, CAU
81. Assoc. Prof. Dr. Qiugang Ma, College of Animal Science and Engineering, CAU
82. Assoc. Prof. Dr. Jianbin Guo, College of Engineering, CAU
83. Assoc. Prof. Dr. Changling Wang, College of Agronomy and Biotechnology, CAU
84. Assoc. Prof. Dr. Yanan Wan, CRES, CAU
85. Assoc. Prof. Dr. Lin Zhang, CRES, CAU
86. Assoc. Prof. Dr. Xiaoqiang Jiao, CRES, CAU
87. Dr. Yangyang Zhang, Postdoc, CRES, CAU
88. Dr. Wei Zhang, Postdoc, College of Resources and Environment, Southwest University
89. Dr. Jiechen Wu, CRES, CAU (online participation from Sweden)
90. Dr. Wenfeng Cong, CRES, CAU
91. Dr. Wen Xu, CRES, CAU
92. Dr. Yajuan Li, CRES, CAU
93. Dr. Shimeng Huang, College of Animal Science and Engineering, CAU
94. Dr. Zihan Wang, Postdoc, CRES, CAU
  
95. Mr. Dongdong Li, Doctoral researcher on Chinese side, RS 1.1
96. Ms. Yan Du, Doctoral researcher on Chinese side, RS 1.1
97. Mr. Zheng Zhao, Doctoral researcher on Chinese side, RS 1.2
98. Ms. Pengxia Zhang, Doctoral researcher on Chinese side, RS 1.2
99. Mr. Kai Zhang, Doctoral researcher on Chinese side, RS 1.2
100. Ms. Dandan Li, Doctoral researcher on Chinese side, RS 1.2
101. Ms. Xiaoting Liu, Doctoral researcher on Chinese side, RS 1.3
102. Ms. Yan Sun, Doctoral researcher on Chinese side, RS 1.3
103. Mr. Zhen Chen, Doctoral researcher on Chinese side, RS 2.1
104. Ms. Yuan Wang, Doctoral researcher on Chinese side, RS 2.2
105. Mr. Shunjin Li, Doctoral researcher on Chinese side, RS 2.2
106. Mr. Baogang Yu, Doctoral researcher on Chinese side, RS 2.2
107. Mr. Peng Qi, Doctoral researcher on Chinese side, RS 2.3
108. Mr. Zhong Zhuang, Doctoral researcher on Chinese side, RS 2.4
109. Ms. Qiqi Wang, Doctoral researcher on Chinese side, RS 2.4
110. Ms. Ruotong Si, Doctoral researcher on Chinese side, RS 2.4
111. Ms. Lei Ma, Doctoral researcher on Chinese side, RS 3.1
112. Mr. Zhonghao Liu, Doctoral researcher on Chinese side, RS 3.2
113. Ms. Xueling Ran, Doctoral researcher on Chinese side, RS 3.3
114. Ms. Ting Yan, Doctoral researcher on Chinese side, RS 3.4
115. Ms. Qiong Wu, Doctoral researcher on Chinese side, RS 3.4
116. Ms. Xinjuan Cai, Doctoral researcher on Chinese side, RS 4.1
117. Mr. Bowen Ma, Doctoral researcher on Chinese side, RS 4.2
118. Ms. Xiaoxiao Li, Doctoral researcher on Chinese side, RS 4.3

## Short biographical profiles of invited speakers



### **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.



**Prof. Dr. Peter Leinweber**

Chair of Soil Science

Faculty of Agricultural and Environmental Sciences

University of Rostock, Rostock, Germany

E-mail: [peter.leinweber@uni-rostock.de](mailto:peter.leinweber@uni-rostock.de)

**Biographical Sketch:** Prof. Leinweber studied Plant Production at the University of Rostock from 1981 to 1986. He graduated for PhD in 1988, majoring in Soil Science. He carried out his post-doctoral research in Taunusstein (German State of Hesse) und Vechta (German State of Lower Saxony). He obtained the professorship in Soil Science at the University of Rostock in 1998. Prof. Leinweber is specialized in the fields of Soil Chemistry, Carbon Cycle in Soils and Humus Chemistry. One of his major fields of research are new Recycling Fertilizers, strongly focusing on phosphorus.

Prof. Leinweber is leading the German research consortium “InnoSoilPhos” (Soil as a sustainable resource for the bioeconomy) in the frame of the BonaRes-Program which is a funding initiative of the German Ministry of Education and Research (BMBF).



**Prof. Dr. Long Li**

Department of Agricultural Ecology  
College of Resources and Environmental Sciences (CRES)  
China Agricultural University (CAU), Beijing, China  
E-mail: [lilong@cau.edu.cn](mailto:lilong@cau.edu.cn)

**Biographical Sketch:** Dr. Long Li is currently a professor in Agroecology at China Agricultural University. He has continuously worked on intercropping for more than 30 years in terms of interspecific competition and facilitation on nutrients between crop species, overyielding, root distributions, rhizosphere processes, phosphorus mobilization, biological N<sub>2</sub> fixation and soil fertility etc.

He published more than 80 peer-reviewed papers in international journals including Nature Sustainability, PNAS, New Phytologist, Plant Soil, Oecologia, Field Crops Research etc., as well as 80 peer-reviewed papers in Chinese journals. He has endeavored to combine the knowledge of agricultural intercropping into more broaden context in ecology, which targeted at better understanding of intercropping systems and thus using them to develop intensively ecological agriculture.

**Selected recent publications:**

- Li et al., 2021 Long-term increased grain yield and soil fertility from intercropping. Nature Sustainability, DOI: 10.1038/s41893-021-00767-7
- Yu et al., 2020 Phosphorus facilitation and covariation of root traits in steppe species. New Phytologist. DOI: 10.1111/nph.16499
- Li et al., 2018 The role of complementarity and selection effects in P acquisition of intercropping systems. Plant and Soil. DOI: 10.1007/s11104-017-3487-3
- Li et al., 2007 Diversity enhances agricultural productivity via rhizosphere phosphorus facilitation on phosphorus-deficient soils. Proceedings of the National Academy of Sciences USA. 104: 11192-11196



**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 Dr Susanne Schmidt is an educator and researcher at the University of Queensland, Australia. Her interdisciplinary research focusses on plant nutrition and soil fertility in sub/tropical agriculture, natural and disturbed ecosystems.

Plant-microbe-soil interactions are the centre of her interests, seeking sustainable practices that reduce pollution, optimise nutrient use and boost soil carbon sequestration. Current research restores savanna grazing lands, supports Australia's Indigenous people to advance native plant foods, and advances next-generation fertilisers.

Prof. Dr. Susanne Schmidt studied Agricultural Biology at the University of Hohenheim until 1992. She completed a PhD in Botany at the University of Queensland in 1996, where she has worked ever since, fascinated by Australia's diverse flora and some of the world's most nutrient impoverished soils.



**Prof. Dr. Wenbin Zhou**

Institute of Crop Science

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**Biographical Sketch:** Professor Dr. Wenbin Zhou is a group leader in the regulation of crop photosynthesis group at Institute of Crop Sciences, the Chinese Academy of Agricultural Sciences in Beijing. His research aims to understand the physiological and molecular mechanisms of crop photosynthesis with particular interest in enhancing crop yield by improving photosynthetic efficiency and resource use efficiency.

**Education and Employment History:**

2005-2008 Ph.D. in Botany at Shanghai Institute of Plant Physiology and Ecology, Chinese Academy of Sciences (CAS), Shanghai, China.

2008-2009 Research Assistant at Shanghai Institute of Plant Physiology and Ecology, Chinese Academy of Sciences (CAS), Shanghai, China.

2009-2014 Postdoctoral Research Fellow in the lab of Dr. Ralph Bock at Max Planck Institute of Molecular Plant Physiology, Potsdam-Golm, Germany.

2015- Principle Investigator at Institute of Crop Sciences, Chinese Academy of Agricultural Sciences (CAAS), Beijing, China.

**Key Publications:**

- Xing H, **Zhou W**, Wang C, Li L, Li X, Cui N, Hao W, Liu F, Wang Y\*. 2021. Excessive nitrogen application under moderate soil water deficit decreases photosynthesis, respiration, carbon gain and water use efficiency of maize. **Plant Physiology and Biochemistry** 166: 1065-1075.
- Yan Y, Hou P, Duan F, Niu L, Dai T, Wang K, Zhao M, Li S, **Zhou W\***. 2021. Improving photosynthesis to increase grain yield potential: an analysis of maize hybrids released in different years in China. **Photosynthesis Research** 150: 295–311.
- Chen Y\*, Wang Y, Yang J, **Zhou W**, Dai S. 2021. Exploring the diversity of plant proteome. **Journal of Integrative Plant Biology** 63: 1197-1210.
- Wei S, Li X, Lu Z, ....., Qian Q, **Zhou W\***, 2022. A transcriptional regulator that boosts grain yields and shortens the growth duration of rice. **Science** 377(6604): eabi8455.



## Block seminar venues in Hohenheim:

**07.11. – 08.11.2022:**

**Lecture hall (Hörsaal) HS 13 b**

Garbenstrasse 17, 1. UG (basement)

**10.11. – 11.11.2022:**

**Hohenheim Palace, Balcony Room**

Hohenheim Palace, 1<sup>st</sup> upper level

## Front cover

Field experiment plot “Tanne” near experimental station “Oberer Lindenhof” of University of Hohenheim. Photo: © Dr. Peteh Mehdi Nkebiwe, 2021.

## Project website:

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



## Contact Information:

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## Hotel accomodation in Hohenheim:

Apart Business Hotel

Scharnhauser Strasse 4

70599 Stuttgart-Plieningen

Tel: (+49) 0711-45010

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

Katholische Akademie Hohenheim

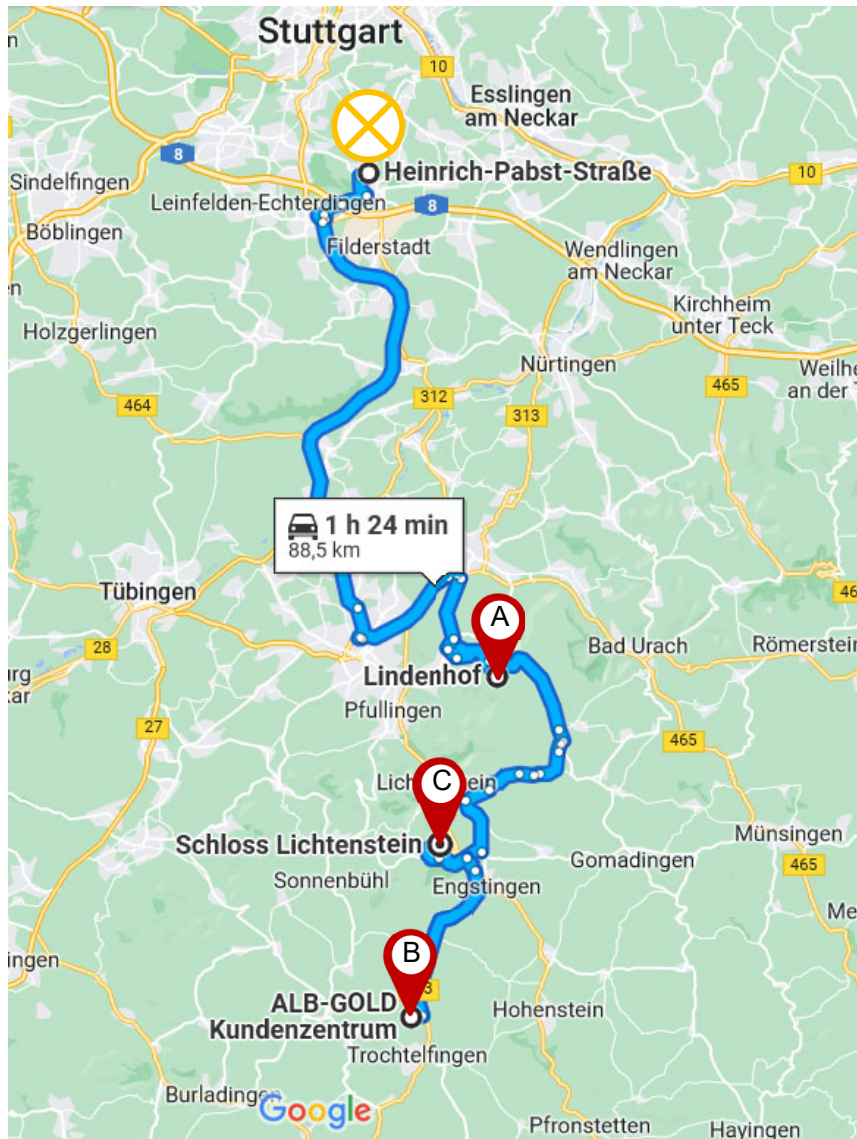
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## Please note:

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 AMAIZE-P members only.



	University of Hohenheim
	Experimental Station Oberer Lindenhof
	ALB-GOLD Company, Trochtelfingen
	Lichtenstein Castle

Route of excursion on 09 November 2022 from the University of Hohenheim to Experimental Station Oberer Lindenhof (72813 Eningen unter Achalm), to ALB-GOLD pasta company (Klaus-Freidler-Strasse 1, 72818 Trochtelfingen) and further proceeding to Lichtenstein Castle (72805 Lichtenstein).