



UNIVERSITY OF
HOHENHEIM



AMAIZE-P

Second Block Seminar of the 3rd Cohort

Genetic potential

17-22 March 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

Tuesday, 11 March, Wednesday, 12 March 2025: Arrival of PhD students in Beijing

Saturday, 15 March, Sunday, 16 March 2025 Arrival of German PIs and senior scientists

Sino-German Academic Symposium: Rhizobiont and Phosphorus Use Efficiency in Soil-Crop Systems

Monday, 17 March 2025: Second block seminar of IRTG AMAIZE-P (Day 1)

Venue: Meeting room 5-318, Zihuan Building, China Agricultural University, Beijing

Opening Ceremony - Welcome addresses

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

Time Beijing time	Content	Speakers	Title/organization
09:00-09:15	Welcome addresses from Deans of Colleges	Prof. Dr. Lixing Yuan Prof. Dr. Ralf Vögele	Dean, College of Resources & Environmental Sciences, CAU Dean, Faculty of Agricultural Sciences, University of Hohenheim
09:15-09:30	Welcome address from Deputy Spokespersons of IRTG AMAIZE-P	Prof. Dr. Xuejun Liu Prof. Dr. Joachim Müller	Deputy Spokesperson, CAU Deputy Spokesperson, University of Hohenheim

Academic Session I - Mechanisms and Regulation of Crop Phosphorus Use Efficiency

Chairpersons: Prof. Dr. Zhongtao Jia, Prof. Dr. Waltraud Schulze

9:30-10:00	The Rhizobiont for high nutrient use efficiency	Prof. Dr. Lin Zhang	College of Resources & Environmental Sciences, China Agricultural University
10:00 10:10-10:30	Group photo Coffee break CAU		
Chairpersons: Prof. Dr. Zhongtao Jia, Prof. Dr. Waltraud Schulze			
10:30-11:00	Plant responses to Pi availability: physiology and molecular mechanisms	Prof. Dr. Wen yuan Ruan	Institute of Agricultural Resources and Regional Planning (IARRP), Chinese Academy of Agricultural Sciences (CAAS)
11:00-11:30	Molecular regulation of phosphate-efficient root architecture in rice	Prof. Dr. Chuanzao Mao	College of Life Sciences, Zhejiang University
11:30-12:00	The plant vacuole and its roles in crop phosphate high use	Prof. Dr. Jingbo Zhang	College of Resources & Environmental Sciences, China Agricultural University
12:00-14:00	Lunch break at CAU		

Academic Session II - Plant-Microbe Interactions and Phosphorus Use Efficiency			
Venue: Meeting room 5-318, Zihuan Building, China Agricultural University, Beijing			
Chairpersons: Prof. Dr. Lin Zhang, Prof. Dr. Uwe Ludewig			
14:00-14:30	Phosphorus scouting: the role of root system architecture and root exudates	Dr. Ricardo F. Giehl	Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany
14:30-15:00	Single-cell exploration of soil microbiota driving soil phosphorus mobilization	Assoc. Prof. Dr. Hongzhe Li	Institute of Urban, Environment, Chinese Academy of Sciences
15:00-15:30	Agricultural soil nutrient coupling regulated by P solubilizing microorganisms	Assoc. Prof. Dr. Zhongmin Dai	College of Environmental & Resource Sciences, Zhejiang University
15:30-16:00	Tea break		
16:00-16:30	Understanding interactions between plants and microbes-functional impacts on phosphorus availability (online)	Dr. Timothy George	James Hutton Institute, Scotland
16:30-17:00	Do rhizosphere microbiomes match root functional traits?	Assoc. Prof. Dr. Zihui Wen	College of Resources and Environmental Sciences, China Agricultural University
17:00-17:30	Comprehensive Discussion & Action Plan, Final remarks Day 1		
18:00-20:00	Dinner (self-organized by Research Groups)		

ZOOM Meeting Day 1 (17 March): 01:00 h CET, 08:00 h Beijing time
<https://uni-hohenheim.zoom-x.de/j/65314818364?pwd=qagF05w4Ld9YJX83jpWodRa6XFUgsf.1>
 Meeting ID: 653 1481 8364
 Passcode: nNrf53

**Sino-German Academic Symposium (Day2):
Rhizobiont and Phosphorus Use Efficiency in Soil-Crop Systems**
Tuesday, 18 March 2025: Second block seminar of IRTG AMAIZE-P (Day 2)

Academic Session III - Phosphorus Use Efficiency in Soil-Crop Systems

Venue: Meeting room 5-318, Zihuan Building, China Agricultural University, Beijing

Chairpersons: Prof. Dr. Xuejun Liu, Prof. Dr. Simone Graeff-Hönniger

Beijing time	Content	Speakers	Organization
09:00-09:30	Global cropping systems: assessing system efficiency of conventional and futuristic crop rotations and explaining phosphorus use efficiency	Adjunct Prof. Dr. Jagdish Kumar Ladha	University of California, Davis, USA
09:30-10:00	Dynamics in land use of agricultural systems and its implications to agricultural sustainability: The case of Enset-coffee agroforestry homegardens in Southern Ethiopia	Prof. Dr. Tesfaye Abebe	Hawassa University, Hawassa, Ethiopia
10:00-10:30	Coffee break		
10:30-11:00	Mechanism and field application of beneficial endophytic bacteria for phosphorus nutrition efficiency in rapeseed	Prof. Dr. Nannan Li	College of Resources and Environment, Southwest University, Chongqing
11:00-11:30	Phosphorus acquisition and yield gain in intercropping: mechanisms and outcomes	Assoc. Prof. Dr. Chunjie Li	College of Resources and Environmental Sciences, CAU
11:30-12:00	Comprehensive Discussion & Action Plan, Day 2		
12:00-14:00	Lunch break at CAU		
Session II – Future collaboration (1)			
Chairpersons: Prof. Dr. Wenfeng Cong, Prof. Dr. Simone Graeff-Hönniger			
14:00-15:00	Sino-German Project: Introduction to Future Research Initiatives	Prof. Dr. Simone Graeff-Hönniger Prof. Dr. Wenfeng Cong	Institute of Crop Science, UHOH College of Resources and Environmental Sciences, CAU
15:00-16:00	Plenary Discussion		
16:00-16:30	Tea break		
18:00-20:00	Official buffet dinner by invitation of Prof. Dr. Taisheng Du, CAU Vice President and Ms. Ying Tang, Director International Office (at Yangsheng Building in West Campus of CAU)		

ZOOM Meeting Day 2 (18 March): 01:00 h CET, 08:00 h Beijing time
<https://uni-hohenheim.zoom-x.de/j/68732088219?pwd=Nb2GXsFW2LeMRbL8D8VW9XQIm5mr3Y.1>
 Meeting ID: 687 3208 8219
 Passcode: 1WNu4Z

Wednesday, 19 March 2025: Second block seminar of IRTG AMAIZE-P (Day 3)			
Venue: Meeting room 5-318, Zihuan Building, China Agricultural University, Beijing			
Chairpersons: Assoc. Prof. Dr. Wenxin Liu, Prof. Dr. Uwe Ludewig			
Beijing time	Content	Speakers	Organization
Session I: Educational content for German and Chinese doctoral researchers			
08:30-09:20	Talk on "Agriculture – Global Situation" – a broader perspective on current global agricultural challenges and trends	Adjunct Prof. Dr. Jagdish Kumar Ladha	University of California, Davis, USA
Session II: Presentations by (post-)doctoral researchers 1			
Chairpersons: Assoc. Prof. Dr. Wenxin Liu, Prof. Dr. Uwe Ludewig			
09:20-09:35	Ms. Yueli Wang Ms. Wanda Haller	RS 1.1	China Agricultural University University of Hohenheim
09:35-09:50	Mr. Bo Yang Ms. Pia Engl	RS 1.2	China Agricultural University University of Hohenheim
09:50-10:05	Ms. Lianlian Liu Ms. Nasim Gandomdoust	RS 1.3	China Agricultural University University of Hohenheim
10:05-10:30	Discussion about RS 1.1, 1.2, 1.3		
10:30-11:00	Coffee break		
Session III: Educational content for German and Chinese doctoral researchers			
Chairpersons: Assoc. Prof. Dr. Wenxin Liu, Prof. Dr. Uwe Ludewig			
11:00-11:50	Bridging Knowledge and Innovation: Lessons from the Sino-German Cooperation and Advances in My Research	Prof. Dr. Qingfeng Meng	College of Agronomy and Biotechnology, China Agricultural University
12:00-14:00	Lunch break at CAU		

Venue: Meeting room 5-318, Zihuan Building, China Agricultural University, Beijing	
Joint signing of Univ. of Hohenheim forms: “Subsequent Appointment of the Mentor Group”	
13:15-14:00	Chair: Dr. Marco Roelcke

Chairpersons: Prof. Dr. Xuexian Li, Prof. Dr. Simone Graeff-Hönninger			
Beijing time	Content	Speakers	Organization
Session IV: Educational content for German and Chinese doctoral researchers			
14:00-14:50	The need to align higher education and research systems to the global agenda in tackling food insecurity and climate change challenges: Lessons from CLIFOOD and other Collaborative Projects in Ethiopia	Dr. Sintayehu Yigrem Mersha	Hawassa University, Hawassa, Ethiopia
Session V: Presentations by (post-)doctoral researchers 2			
Chairpersons: Prof. Dr. Xuexian Li, Prof. Dr. Simone Graeff-Hönninger			
14:50-15:05	Mr. Zudong Xiao Mr. Chieh-Fu Hsiao	RS 2.1	China Agricultural University University of Hohenheim
15:05-15:35	Ms. Jingyi Hu Ms. Syeda Tahira Fatima Jafri Mr. Fucheng Gao Ms. Afsaneh Yousefi	RS 2.2	China Agricultural University University of Hohenheim
15:35-16:05	Tea break		
16:05-16:20	Mr. Saike Jiang Mr. Khandoker Tanjim Ahammad	RS 2.3	China Agricultural University University of Hohenheim
16:20-16:45	Ms. Jingwen Cheng Mr. Jiang Liu Ms. Huiyan Wang	RS 2.4	China Agricultural University University of Hohenheim
16:45-17:15	Discussion about RS 2.1, 2.2, 2.3, 2.4		
17:15-17:50	Bilateral and multilateral meetings of Chinese and German Research Subject partners		
18:00-19:30	Dinner (self-organized by Research Groups)		

ZOOM Meeting Day 3 (19 March): 01:00 h CET, 08:00 h Beijing time
<https://uni-hohenheim.zoom-x.de/j/66583674200?pwd=03aTaNYPZhfp3aIkEigAXOaRYozlHi.1>
Meeting ID: 665 8367 4200
Passcode: xR96N1

Thursday, 20 March 2025: Second block seminar of IRTG AMAIZE-P (Day 4)			
Venue: Meeting room 5-318, Zihuan Building, China Agricultural University, Beijing			
Chairpersons: Assoc. Prof. Dr. Jianbin Guo, Dr. Gero Becker			
Beijing time	Content	Speakers	Organization
Session I: Presentations by (post-)doctoral researchers 3			
09:00-09:15	Ms. Tianyi Liu Ms. Sepideh Sadighbathi	RS 3.1	China Agricultural University University of Hohenheim
09:15-09:40	Ms. Yafei Liu Ms. Dokyung Lee Ms. Michelle Herrmann	RS 3.2 RS 4.2	China Agricultural University University of Hohenheim
09:40-09:55	Ms. Tiantian Qi Ms. Kea Purwing	RS 3.3	China Agricultural University University of Hohenheim
09:55-10:10	Ms. Qing Xu Ms. Leiddi Laura Maria Leal	RS 3.4	China Agricultural University University of Hohenheim
10:10-10:30	Discussion about RS 3.1, 3.2, 3.3, 3.4		
10:30-10:50	Coffee break		
Session I: Presentations by (post-)doctoral researchers 4			
Chairpersons: Dr. Zhong Zhuang, Dr. Kirsten Boysen-Urban			
10:50-11:05	Ms. Chengtao Wen Mr. Pascal Wendel	RS 4.1	China Agricultural University University of Hohenheim
11:05-11:15	Mr. Feiyu Ying	RS 4.2	China Agricultural University University of Hohenheim
11:15-11:30	Mr. Han Gao Mr. Mamadou Jallow	RS 4.3	China Agricultural University University of Hohenheim
11:30-11:50	Discussion about RS 4.1, 4.2, 4.3		
12:00-14:00	Lunch break at CAU		
Session II – Future collaboration (2)			
Chairpersons: Prof. Dr. Zhongtao Jia, Jun.-Prof. Dr. Andreas Schweiger			
14:00-14:15	Introduction to “121 Action Plan” for Agriculture Green Development	Prof. Dr. Fusuo Zhang, Academician	National Academy of Agriculture Green Development, CAU
14:15-15:00	Sino-German Project: Introduction to Future Research Initiatives	Jun.-Prof. Dr. Andreas Schweiger Prof. Dr. Zhongtao Jia	Institute of Landscape and Plant Ecology, University of Hohenheim College of Resources and Environmental Sciences, CAU

15:30-15:45	Tea break		
15:45-17:00	Plenary Discussion with all participants		
17:00-18:00	AMAIZE-P Advisory Board Meeting , including Chinese and German Principal Investigators and Senior Researchers (hybrid). Agenda t.b.d. by Advisory Board. (Chairpersons: Prof. Torsten Müller, Prof. Lixing Yuan)		
18:00-19:30	Dinner (self-organized by Research Groups)		

ZOOM Meeting Day 4 (20 March): 01:00 h CET, 08:00 h Beijing time
<https://uni-hohenheim.zoom-x.de/j/67889413359?pwd=aZuGbKFTFTx882DeyL7ZGrxx0yveM.1>
 Meeting ID: 678 8941 3359
 Passcode: F8nrz7

Excursion to Quzhou (Hebei province)

Friday, 21 March 2025: Second block seminar of IRTG AMAIZE-P (Day 5)

Departure: 07:00 AM minibus from Langlizi Hotel to Beijing Xi (West) Railway Station
By subway or taxi (individually) from CAU West Campus (metro line 16 and 9) and CAU East Campus to Beijing Xi Railway Station

Beijing time	
08:32-10:54	High-speed train (G1579) from Beijing Xi to Handan Dong
11:00-12:20	Pick-up from Handan Dong station by bus to Quzhou Experimental Station
12:30-13:30	Lunch buffet at Quzhou Experimental Station
13:30-14:30	Check into hotel and noon break

Venue: 2nd floor meeting room of the International Cooperation Center

14:30-15:00	Introduction by Director Prof. Dr. Weifeng Zhang
15:00-16:00	Visit the 50 th Anniversary Achievement Exhibition of Quzhou Experimental Station and the Agricultural Science Museum
16:00-17:30	Visit field experiments at 300 <i>mu</i> - (20 ha-) base and within the Experimental Station
18:00-20:00	Dinner and beers at the Experimental Station

Stay overnight at guest house of Experimental Station

Excursion to Quzhou (Hebei province)

Saturday, 22 March 2025: Second block seminar of IRTG AMAIZE-P (Day 6)

Venue: Guest house of Experimental Station

Beijing time	
07:45-08:00	Check out of guest house
08:00-08:30	Breakfast
08:30-069:30	Visit Wangzhuang Science & Technology Backyard Model (STB) and the Green 1.5 ton-per- <i>mu</i> (22.5 ton-per-ha) base
09:30-12:00	Visit Baizhai, Qianyan, China - Africa STBs
12:20-13:40	Lunch at Quzhou town
14:00-15:00	Travel to Guangfu ancient town
15:00-16:00	Visit Guangfu ancient town
17:00-17:30	Travel to Handan Dong station to take the high-speed train (Fuxing Hao):
18:30-20:30	High-speed train (G662) from Handan Dong to Beijing Xi
20:30	Arrival at Beijing Xi station

Return to hotel or proceed directly to the airport.

(the guests and/or PIs will be picked up by mini-bus)

Sunday, 23 March 2025: Departure of most German PIs and senior scientists

Participants List

Invited guests

1. Prof. Dr. Taisheng Du, Vice President for Internationalization, China Agricultural University (CAU)
2. Ms. Ying Tang, Director, International Office, China Agricultural University (CAU)

Invited speakers

3. Adjunct Prof. Dr. Jagdish Kumar Ladha, University of California, Davis, USA
4. Dr. Ricardo F. Giehl, Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany
5. Dr. Timothy George, James Hutton Institute, Aberdeen/Dundee, Scotland
6. Prof. Dr. Tesfaye Abebe, Hawassa University, Hawassa, Ethiopia
7. Dr. Sintayehu Yigrem Mersha, Hawassa University, Hawassa, Ethiopia
8. Prof. Dr. Wenyuan Ruan, Institute of Agricultural Resources and Regional Planning (IARRP), Chinese Academy of Agricultural Sciences (CAAS)
9. Prof. Dr. Chuanzao Mao, College of Life Sciences, Zhejiang University
10. Prof. Dr. Nannan Li, College of Resources and Environment, Southwest University (SWU), Chongqing
11. Assoc. Prof. Dr. Hongzhe Li, Institute of Urban, Environment, Chinese Academy of Sciences (CAS)
12. Assoc. Prof. Dr. Zhongmin Dai, College of Environmental & Resource Sciences, Zhejiang University
13. Prof. Dr. Qingfeng Meng, College of Agronomy and Biotechnology, CAU
14. Prof. Dr. Lin Zhang, College of Resources & Environmental Sciences, CAU
15. Prof. Dr. Jingbo Zhang, College of Resources & Environmental Sciences, CAU
16. Prof. Dr. Gu Feng, College of Resources & Environmental Sciences, CAU
17. Assoc. Prof. Dr. Zhihui Wen, College of Resources & Environmental Sciences, CAU
18. Assoc. Prof. Dr. Chunjie Li, College of Resources and Environmental Sciences, CAU
19. Prof. Dr. Weifeng Zhang, College of Resources and Environmental Sciences, CAU

Chinese Side

20. Prof. Dr. Fusuo Zhang, Academician, IRTG Spokesperson, National Academy of Agriculture Green Development, China Agricultural University (CAU)
21. Prof. Dr. Lixing Yuan, Dean, College of Resources and Environmental Sciences (CRES), China Agricultural University (CAU)
22. Prof. Dr. Xuejun Liu, IRTG Deputy Spokesperson, Coordinator, CRES, CAU
23. Prof. Dr. Zhongtao Jia, CRES, CAU
24. Prof. Dr. Xinping Chen, College of Resources and Environment, Southwest University (SWU), Chongqing
25. Prof. Dr. Huaiyu Yang, College of Resources and Environment, Southwest University (SWU), Chongqing
26. Prof. Dr. Huafen Li, CRES, CAU
27. Prof. Dr. Chunqin Zou, CRES, CAU
28. Prof. Dr. Xuexian Li, CRES, CAU

29. Prof. Dr. Pu Wang, College of Agronomy and Biotechnology, CAU
30. Prof. Dr. Shunli Zhou, College of Agronomy and Biotechnology, CAU
31. Prof. Dr. Xiongkui He, College of Science, CAU
32. Prof. Dr. Qiugang Ma, College of Animal Science and Engineering, CAU
33. Prof. Dr. Ji Ma, College of Economics and Management, CAU
34. Prof. Dr. Wenfeng Cong, College of Resources and Environmental Sciences, CAU
35. Prof. Dr. Laping Wu, College of Economics and Management, CAU
36. Prof. Dr. Jianbo Shen, CRES, CAU
37. Prof. Dr. Yong Hou, CRES, CAU
38. Assoc. Prof. Dr. Lingyun Cheng, CRES, CAU
39. Assoc. Prof. Dr. Sen Yang, CRES, CAU
40. Assoc. Prof. Dr. Tao Zhang, CRES, CAU
41. Assoc. Prof. Dr. Yanan Wan, CRES, CAU
42. Assoc. Prof. Dr. Xiaoqiang Jiao, CRES, CAU
43. Assoc. Prof. Dr. Prof. Wenxin Liu, College of Agronomy and Biotechnology, CAU
44. Assoc. Prof. Dr. Jianbin Guo, College of Engineering, CAU
45. Assoc. Prof. Dr. Shubing Huang, College of Agronomy and Biotechnology, CAU
46. Assoc. Prof. Dr. Wei Zhang, College of Resources and Environment, SWU
47. Dr. Shimeng Huang, College of Animal Science and Engineering, CAU
48. Dr. Zihan Wang, Postdoc, CRES, CAU
49. Dr. Zhong Zhuang, Postdoc, CRES, CAU

50. Ms. Yueli Wang, Doctoral researcher on Chinese side, RS 1.1
51. Mr. Bo Yang, Doctoral researcher on Chinese side, RS 1.2
52. Ms. Lianlian Liu, Doctoral researcher on Chinese side, RS 1.3
53. Mr. Zudong Xiao, Doctoral researcher on Chinese side, RS 2.1
54. Ms. Jingyi Hu, Doctoral researcher on Chinese side, RS 2.2
55. Mr. Fucheng Gao, Doctoral researcher on Chinese side, RS 2.2
56. Mr. Saike Jiang, Doctoral researcher on Chinese side, RS 2.3
57. Mr. Jiang Liu, Doctoral researcher on Chinese side, RS 2.4
58. Ms. Jingwen Cheng, Doctoral researcher on Chinese side, RS 2.4
59. Ms. Ruotong Si, Doctoral researcher on Chinese side, RS 2.4
60. Ms. Tianyi Liu, Doctoral researcher on Chinese side, RS 3.1
61. Ms. Lei Ma, Doctoral researcher on Chinese side, RS 3.1
62. Ms. Yafei Liu, Doctoral researcher on Chinese side, RS 3.2
63. Ms. Tiantian Qi, Doctoral researcher on Chinese side, RS 3.3
64. Ms. Xueling Ran, Doctoral researcher on Chinese side, RS 3.3
65. Ms. Qing Xu, Master student on Chinese side, RS 3.4
66. Ms. Chengtao Wen, Doctoral researcher on Chinese side, RS 4.1
67. Mr. Feiyu Ying, Doctoral researcher on Chinese side, RS 4.2
68. Mr. Han Gao, Doctoral researcher on Chinese side, RS 4.3

German Side

69. Prof. Dr. Ralf T. Vögele, Dean, Faculty of Agricultural Sciences, University of Hohenheim (UHOH)
70. Prof. Dr. Torsten Müller, IRTG Spokesperson German side, Institute of Crop Science, UHOH
71. Prof. Dr. Joachim Müller, IRTG Deputy Spokesperson German side, Institute of Agricultural Engineering, UHOH
72. Dr. Marco Roelcke, IRTG Coordinator German side, UHOH
73. Prof. Dr. Tobias Würschum, Institute of Plant Breeding, Seed Science and Population Genetics, UHOH
74. Prof. Dr. Waltraud Schulze, Department of Plant Systems Biology, UHOH
75. Prof. Dr. Simone Graeff-Hönniger, Institute of Crop Science, UHOH
76. Prof. Dr. Jan Frank, Institute of Biological Chemistry and Nutrition, UHOH
77. Prof. Dr. Amélia Camarinha Silva, Institute of Animal Science, UHOH
78. Prof. Dr. Andrea Kruse, Institute of Agricultural Engineering, UHOH
79. Prof. Dr. Enno Bahrs, Institute of Farm Economics, UHOH
80. Jun.-Prof. Dr. Andreas Schweiger, Institute of Landscape and Plant Ecology, UHOH
81. Dr. Hans Oechsner, State Institute for Agricultural Engineering and Bioenergy, UHOH
82. Dr. Kirsten Boysen-Urban, International Trade and Food Security, UHOH
83. Dr. Gero Becker, Institute of Agricultural Engineering, UHOH
84. Dr. Benedikt Hülsemann, State Institute for Agricultural Engineering and Bioenergy, UHOH
85. Dr. Sebastian Munz, Post-doctoral researcher, Institute of Crop Science, UHOH
86. Dr. Christian Sponagel, Post-doctoral researcher, Institute of Farm Economics, UHOH
87. Ms. Michelle Herrmann, Post-doctoral researcher on German side, RS 4.2

88. Ms. Wanda Haller, Doctoral researcher on German side, RS 1.1
89. Ms. Pia Engl, Doctoral researcher on German side, RS 1.2
90. Ms. Nasim Gandomdoust, Doctoral researcher on German side, RS 1.3
91. Mr. Chieh-Fu Hsiao, Doctoral researcher on German side, RS 2.1
92. Ms. Fatima Jafri, Doctoral researcher on German side, RS 2.2
93. Ms. Afsaneh Yousefi, Doctoral researcher external on German side, RS 2.2
94. Mr. Khandoker Tanjim Ahammad, Doctoral researcher on German side, RS 2.3
95. Ms. Huiyan Wang, Doctoral researcher on German side, RS 2.4
96. Ms. Sepideh Sadighbathi, Doctoral researcher on German side, RS 3.1
97. Ms. Dokyung Lee, Doctoral researcher on German side, RS 3.2
98. Ms. Kea Purwing, Doctoral researcher on German side, RS 3.3
99. Ms. Leiddi Leal, Doctoral researcher on German side, RS 3.4
100. Mr. Pascal Wendel, Doctoral researcher on German side, RS 4.1
101. Mr. Mamadou Jallow, Doctoral researcher on German side, RS 4.3

102. Ms. Katharina Gundermann, Bachelor Student, Institute of Crop Science, University of Hohenheim

Research subject No.	Title
Subject Area 1	Genetic potential
1.1	Genetic variation, genetic architecture and genomic prediction of P-use-efficiency traits in European and Chinese maize
1.2	Importance of root architecture and rhizosphere-related processes for improving phosphate use efficiency
1.3	Regulatory modules of carbon resource allocation under different phosphate availabilities
Subject Area 2	P Management at field and farm level
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	P Nutrition and recovery
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	Economic evaluation and synthesis, incl. field experiments
4.1	Economic analyses at plot, farm enterprise, regional and sectoral levels
4.2	Synthesis and field experiments
4.3	Impacts on agricultural and food markets at farm, national and global levels

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Project website:

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



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Prof. Dr. Lixing Yuan: mobile: (+86) 13911809064 yuanlixing@cau.edu.cn

Ms. Assoc. Prof. Dr. Lingyun Cheng: mobile: (+86) 18611778626 lycheng@cau.edu.cn

Ms. Dr. Jingmeng Wang: mobile: (+86) 15210352154 wangjingmengdream@163.com

Ms. Dr. Yifan Chen: mobile: (+86) 15501081099 chenyifan@cau.edu.cn

Hotel accomodation Beijing:

Langlizi Palace Hotel

North Test Business Service Building, Zhuyuan East Street, Malianwa North Road,
Haidian District, 100094 Beijing

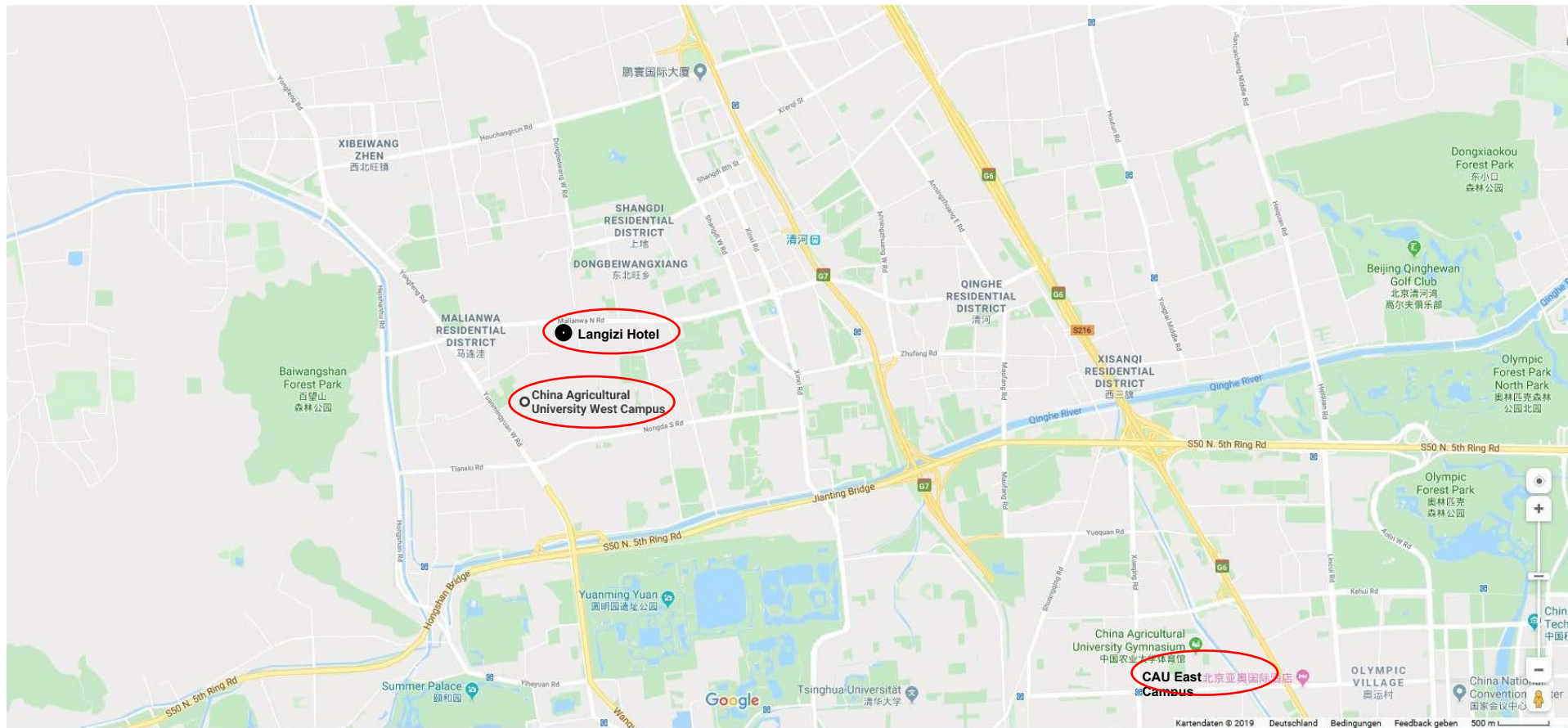
朗丽兹北京中关村软件园农大店

(Langlizi Beijing Zhongguancun Ruanjianyuan Nongdadian)

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(see map on next page)



Map: Location of Langzi Hotel, CAU West Campus and CAU East Campus in Beijing.