



The 7th Agriculture Green Development Hybrid Symposium

Sino-Dutch AGD project semi-annual meeting

**第七届农业绿色发展国际研讨会
暨中荷 AGD 交叉创新型人才培养项目季度会议**

Location: Wageningen/Teams (地点：瓦格宁根/线上)

1st - 3rd February 2023 (2023 年 2 月 1-3 号)

Organizers (主办方) : China Agricultural University (中国农业大学)

Wageningen University & Research (瓦赫宁根大学)

Hainan University (海南大学)

Academic support: Frontiers of Agricultural Science and Engineering

学术支持：中国工程院《农业科学与工程前沿》



Day 1 1 February 2022			
<i>Plenary programme</i>		<i>Chair : Prof. Carolien Kroeze</i>	
8:30-8:40 (Dutch) 15:30-15:40 (China)	Opening	Prof. Carolien Kroeze Prof. Fusuo Zhang	10m
8:40-8:55 (Dutch) 15:40-15:55 (China)	Keynote 1 “Introduction to the Agricultural Green Development Program”	Dr. Yong Hou	15m
8:55-9:25 (Dutch) 15:55-16:25 (China)	Keynote 2 “Navigating opportunity spaces and trade-offs while avoiding lock-ins for sustainable farm development”	Dr. Jeroen Groot	30m
Break			30m
9:55-11:15 (Dutch) 16:55-18:15 (China)	Project presentations 4 PhD candidates Each 20 minutes, 15 min presentation & 5 mins discussion	Zhiwei Yu Guichao Dai Qi Zhang Yuze Li	80m
11:15 (Dutch), 18:15 (China): end of plenary part of symposium. Participants in Wageningen continue with poster session			
11:15-13:00 (Dutch): poster session including small lunch Posters presented by PhD candidates of start year of the project 2021 , all themes			
Day 2 2 February 2022			
<i>Plenary programme</i>		<i>Chair : Wopke van der Werf</i>	
8:30-8:40 (Dutch) 15:30-15:40 (China)	Opening		10m
8:40-9:10 (Dutch) 15:40-16:10 (China)	Keynote 3 “Agriculture biodiversity, pollination and biocontrol services”	Dr. Yi Zou	30m
9:10-10:10 (Dutch) 16:10-17:10 (China)	Project presentations part 1 3 PhD candidates Each 20 minutes, 15 min presentation & 5 mins discussion	Hongyi Cai Rui Shi Weikang Sun	60m
Break			30m
10:40-11:10 (Dutch) 17:40-18:10 (China)	Keynote 4 “Dealing with sustainable agricultural challenges: the role of integrated environmental-economic modelling approach.”	Dr. Xueqin Zhu	30m

11:10-11:50 (Dutch) 18:10-18:50 (China)	Project presentations part 2 2 PhD candidates Each 20 minutes, 15 min presentation & 5 mins discussion	Ruotong Zhao Wenqi Lou	40m
11:50 (Dutch), 18:50 (China): end of plenary part of symposium. Participants in Wageningen continue with poster session			
11:50-13:00 (Dutch): poster session including small lunch Posters presented by PhD candidates of start year of the project 2020 , all themes			
Day 3 3 February 2022			
<i>Plenary programme</i>		<i>Prof. Carolien Kroeze</i>	
8:30-8:40 (Dutch) 15:30-15:40 (China)	Opening		10m
8:40-9:10 (Dutch) 15:40-16:10 (China)	Keynote 5 “Nitrogen use in crop and livestock systems: from the farm to the global scale”	Dr. Luis Lassaletta	30m
9:10-10:10 (Dutch) 16:10-17:10 (China)	Project presentations 3 PhD candidates Each 20 minutes, 15 min presentation & 5 mins discussion	Weitong Long Sijie Feng Rong Cao	60m
Break			30m
10:40-11:10 (Dutch) 17:40-18:10 (China)	Keynote 6 “Managing nitrogen for sustainable agriculture in China and globally”	Prof. Baojing Gu	30m
11:10-11:40 (Dutch) 18:10-18:40 (China)	Closure and outlook to the future	Prof. Carolien Kroeze Prof. Fusuo Zhang	30m
11:40 (Dutch), 18:40 (China): end of plenary part of symposium. Participants in Wageningen continue with poster session			
11:40-13:00 (Dutch): poster session including small lunch Posters presented by PhD candidates of start year of the project 2019 , all themes			

Appendix 1: Project presentations by PhD candidates

Date	Reporters	Title
1 February		
9:55-11:15 (Dutch) 16:55-18:15 (China)	Zhiwei Yu	When is command-and-control efficient? Evidence from straw-burning control in Northeast China
	Guichao Dai	Reshaping agri-food production systems helps achieve the Lancet diet in a more sustainable way
	Qi Zhang	Assessment of antibiotic pollution in rivers from livestock production in China
	Yuze Li	RhizoSMASH: a computational tool to detect catabolic gene clusters related to rhizosphere colonization of rhizobacteria
2 February		
Part 1		
9:10-10:10 (Dutch) 16:10-17:10 (China)	Hongyi Cai	Achieving healthy, low-cost, and environmentally sustainable diets in China
	Rui Shi	Predicting nitrogen use efficiency of individual dairy cows by mid-infrared spectra
	Weikang Sun	Optimization of spatial manure recycling strategies in view of economic and environmental impacts in Chinese agriculture
11:10-11:50 (Dutch) 18:10-18:50 (China)	Part 2	
	Ruotong Zhao	Tighten N loop: orchestrating arbuscular mycorrhizal fungi with nosZ-type denitrifiers in reducing N ₂ O emissions
	Wenqi Lou	Genetic analyses for rumination time and related resilience indicators in Chinese Holstein heifer
3 February		
9:10-10:10 (Dutch) 16:10-17:10 (China)	Weitong Long	Environmental trade-offs of dietary structure change can be alleviated by cleaner technology and emission restriction
	Sijie Feng	Agricultural ammonia emission control is essential for reducing N deposition-induced water pollution
	Rong Cao	Agricultural ammonia emission estimation based on high-resolution inventory in China