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## Sino-German Agricultural Centre, 2<sup>nd</sup> Phase



### Virtual Study Tour

## “Animal Manure Treatment and Utilization in Germany and China”

### 中德畜禽废弃物处理利用与气体减排技术交流会

### Module 2

22 November 2021

*Organized in cooperation with*



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Organized by: IAK Agrar Consulting GmbH and IEDA, CAAS



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Data Protection Regulation

- Please note that the conference will be held **only online**.
- Participation in the conference is **free of charge**.
- The conference program may be subject to changes.
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- Any materials prepared by the speakers will **not expose the DCZ to liability for breach of confidence for infringement of copyright** or similar liability.

## Module 1: New research in manure and digestate treatment

<https://zoom.us/j/81492547801?pwd=M3hPYm5MSzloQWFks25VWVWU2WEI3UT09>

Meeting ID: 814 9254 7801; Password: 2021

**22.11.2021: 15:00-22:00 (Beijing time), 8:00-15:00 (German time)**

Time	Topic	Speaker
15:00 – 15:10 (8:00 – 8:20)	Opening Welcome, Introduction to IEDA	IEDA - CAAS
15:10 – 15:20 (8:10 – 8:20)	Introduction S&T platform Sino-German Agricultural Center (DCZ)	Dr. Eva Sternfeld (DCZ)
15:20 – 16:00 (8:20 – 9:00)	Integrated Crop-livestock production system promote achieve carbon neutrality	Academician Dr. Yin Yulong (Institute of Subtropical Agriculture, Chinese Academy of Sciences)
16:00 – 16:30 (9:00 – 9:30)	A new process for continuous drying of digestate – challenges and first results from semi-technical scale	Dr. Jochen Mellmann, Leibniz Institute Agricultural Engineering and Bioeconomy (ATB)
16:30 – 17:00 (9:30 – 10:00)	Greenhouse gas emissions from broiler manure treatment options are lowest in well-managed biogas production	Dr. Ulrich Kreidenweis, Leibniz Institute Agricultural Engineering and Bioeconomy (ATB)
17:00 – 17:30 (10:00 – 10:30)	On-site research in the husbandry-intensive region Germany-Netherlands	Sascha Hermus (3N Competence Centre for Renewable Resources and Bioeconomy)
17:30 – 18:00 (10:30 – 11:00)	Nutrient recycling and management in crop and livestock productions systems in China	Prof. Ma Lin ( Institute of Genetics and Developmental Biology, Chinese Academy of Sciences)
18:00 – 19:00 (11:00 – 12:00)	<b>Dinner Break</b>	
19:00 – 19:30 (12:00 – 12:30)	Vacuum degassing for ammonium removal of fermentation residues	Dr.-Ing. Johannes Koslowski (Berlin Centre of Competence for Water)
19:30 – 20:00 (12:30 – 13:00)	Technological future strategies for the utilization of liquid fertilizers	Helmut Döhler (Döhler Agriculture)
20:00 – 20:30 (13:00 – 13:30)	Chances and options by struvite treatment of manure and digestate	Prof. Dr. Walter Stinner (German Biomass Research Centre DBFZ)
20:30 – 21:00 (13:30 – 14:00)	Struvite recovery from anaerobic digestate - theoretical aspects and resulting challenges for agriculture	Johanna Wiechen (German Biomass Research Centre DBFZ)
21:00 – 21:30 (14:00 – 14:30)	Struvite recovery in practice – from a precipitate to a fertilizer	Dr. Joachim Clemens (SF SoepenberGmbH)
21:30 – 22:00 (14:30 – 15:00)	Wrap up/ Closure of the seminar	

## 中德畜禽废弃物处理利用与气体减排技术交流会

(会议时间: 2021.11.22 15:00-22:00, ZOOM会议号: 814 9254 7801, 密码: 2021)

(会议链接: <https://zoom.us/j/81492547801?pwd=M3hPYm5MSzloQWFkS25VWDU2WEI3UT09>)

时间	报告主题	报告人
15:00 – 15:10	开幕式	
15:10 – 15:20	中德农业中心简介	Eva Sternfeld 博士, 中德农业中心
15:20 – 16:00	种养循环农业助力“碳达峰碳中和”	印遇龙院士, 中国科学院亚热带农业生态研究所
16:00 – 16:30	发酵液连续干燥新工艺中试成果与挑战	Jochen Mellmann 博士, 德国莱布尼茨农业工程与生物经济研究所
16:30 – 17:00	肉鸡粪厌氧消化处理温室气体排放	Ulrich Kreidenweis 博士, 德国莱布尼茨农业工程与生物经济研究所
17:00 – 17:30	德荷畜牧业重点区的实践研究	Sascha Hermus, 德国 3N 可再生资源 and 生物经济能力中心
17:30 – 18:00	中国种养系统养分循环与调控	马林研究员, 中国科学院遗传与发育生物学研究所
18:00 – 19:00	茶歇	
19:00 – 19:30	真空吹脱法去除沼液中氨氮技术	Johannes Koslowski 博士, 德国柏林水资源管理中心
19:30 – 20:00	液肥利用技术与策略	Helmut Döhler, 德国 Döhler 农业有限责任公司
20:00 – 20:30	鸟粪石处理粪便发酵液的机会与选择	Walter Stinner 教授, 德国生物质研究中心
20:30 – 21:00	从厌氧消化液中回收鸟粪石的理论方法与其对农业的挑战	Johanna Wiechen, 德国生物质研究中心
21:00 – 21:30	沉淀物中鸟粪石回收制肥的实践	Joachim Clemens 博士, 德国 Soepenbergl 公司
21:30 – 22:00	会议总结	