

中国城市生活垃圾处理领域国家适当减缓行动 China Integrated Waste Management (IWM) NAMA Project

# 垃圾低碳综合管理研讨会第二期 Low-carbon Integrated Waste Management Training - 2



中华人民共和国住房和城乡建设部 Ministry of Housing and Urban-Rural Development (MoHURD)















Implemented by





## 会议信息 Training Information

中国城市生活垃圾领域国家适当减缓行动项目(NAMA) China Integrated Waste Management NAMA Project

## 垃圾低碳综合管理研讨会第二期

中国生活垃圾焚烧发展 30 年高峰论坛暨垃圾低碳监测管理研讨会 Low-carbon Integrated Waste Management Training - 2 Forum on Thirty-Years' Development of Household Waste Incineration in China MSW & Low-carbon Monitoring and Management Training

### 日期 Date:

2018年12月4日-6日 December 4<sup>th</sup> - 6<sup>th</sup>, 2018

### 地点 Location:

12月5日 深圳市五洲宾馆·华夏厅 December 5<sup>th</sup> Huaxia Ballroom, Wuzhou Hotel

12月6日 深圳市东方银座美爵酒店·东京厅

December 6<sup>th</sup> Tokyo Meeting Room, Grand Mercure Shenzhen Oriental Ginza

主办单位 Organizer:

广东省环境卫生协会(GDESA) 德国国际合作机构(GIZ)

## 背景介绍

NAMA基金会由德国、英国、丹麦和欧盟委员会共同成立,其主旨为通过促进行业转型升级在全球范围内实现应对气候变化的目标。为此,NAMA 基金会大力促进应对气候变化活动,并帮助发展中国家和新兴经济体以国家自主贡献(INDC)的形式履行"巴黎协定"的承诺。

作为国家自主减排贡献的参与者,中国承诺2030年单位GDP二氧化碳排放强度比2005年下降60%-65%。为促进这一目标的实现,在NAMA基金会及中国住房和城乡建设部(MoHURD)的支持下,中国城市生活垃圾处理领域国家适当减缓行动项目(IWM NAMA)于2017年9月正式启动。

通过一系列垃圾综合管理示范城市建设以及垃圾管理合作交流平台建设,IWM NAMA 项目将借此推动中国垃圾处理行业向可持续发展转型,最终实现中国发展低碳循环经济的目标。

IWM NAMA 项目由德国国际合作机构(GIZ)和中国城市环境卫生协会(CAUES)共同实施。作为执行机构, GIZ 在中国开展中德技术合作已有 30 多年历史,在中德全面战略伙伴关系下推动着可持续发展和应对气候变化的双边互惠合作。

## **Background**

The NAMA Facility, jointly funded by the governments of Germany, United Kingdom and Denmark as well as by the European Commission, plays the leading role in supporting transformational sector-based initiatives throughout the world to respond to the challenges of climate change. In doing so the NAMA Facility inspires ambitious action and helps developing countries and emerging economies to deliver on their Paris Agreement commitments in the form of Intended Nationally Determined Contributions (INDC).

As part of the INDCs, China has announced the goal of reducing its CO2 emissions per unit of GDP by 60 to 65 percent below 2005 levels by 2030. To contribute to this goal, China Integrated Waste Management NAMA (IWM NAMA) Project, headed by the NAMA Facility and the Chinese Ministry of Housing and Urban-Rural Development (MoHURD), was launched in September 2017.

The project supports China's ambition for low-carbon urbanisation through piloting IWM approaches in a number of demonstration municipalities as well as promoting waste management partnerships and networks. These measures are to catalyze the transformation of the Chinese waste sector towards a sustainable path with an ultimate goal of establishing a circular low-carbon economy.

The IWM NAMA project is implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH jointly with the Chinese Association of Urban Environmental Sanitation (CAUES). As the implementing organization, GIZ has over 30 years of experience in the field of Sino-German technical cooperation, working within the framework of the Comprehensive Sino-German Strategic Partnership for the mutual benefit of both countries in the areas of sustainable development and climate change mitigation.

## 会议日程 Agenda

12 月 4 日 December 4 <sup>th</sup>	日程 Program
10:00 - 22:00	参会人员及嘉宾报到 Registration at Wuzhou Hotel
18:00 - 20:30	嘉宾及专家欢迎晚宴 (仅限邀请的嘉宾参加,约 50 人) Welcome Dinner (Only guests with an invitation will be able to join the dinner)

12月5日 December 5 <sup>th</sup>	报告内容 Speech	演讲嘉宾 Speaker		
主持人: 中华人民共和国住房和城乡建设部环卫中心副主任刘晶昊 Moderator: Liu Jinghao, Vice Director, Environmental Sanitation Center, Ministry of Housing and Urban-Rural Development (MoHURD) 地点: 五洲宾馆·华夏厅 Venue: Huaxia Ballroom, Wuzhou Hotel				
9:00 - 9:30	论坛开幕致辞 Opening Address  深圳市城市管理局 广东省住房和城乡建设厅 中国城市环境卫生协会 住房和城乡建设部 Representative from Shenzhen Municipal Management Bureau Housing and Urban-Rural Development of Guangdong Province China Association of Urban Environmental Sanitation Ministry of Housing and Urban-Rural Development (MoHURD)			
9:30 - 9:50	中国生活垃圾焚烧发展 30 年历史进程 History of the Thirty-Years' Development of Household Waste Incineration in China	龚佰勋,原深圳市市政综合处理 厂厂长、教授级高工 Gong Baixun, Former Factory Director and Professor-Level Senior Engineer, Municipal Integrated		

Treatment Plant of Shenzhen

12 月 5 日 December 5 <sup>th</sup>	报告内容 Speech	演讲嘉宾 Speaker
9:50 - 10:10	中国生活垃圾处理现状及发展展望 Current Situation and Development Prospects for Household Waste Disposal in China	徐文龙,中国建设科技集团副总 裁、教授级高工 Xu Wenlong, Vice President and Professor-Level Senior Engineer, China Agriculture Design & Research Group
10:10- 10:30	关于生态型生活垃圾焚烧厂的主题发言 Keynote Speech on Eco-Type Household Waste Incineration Plants	李倬舸,深能源总经理 Li Zhuoge, General Manager, Shenzhen Energy
10:30 - 10:50	关于"一带一路"倡议下生活垃圾焚烧机 遇的发言 Keynote Speech on Opportunities for Household Waste Incineration under "Belt and Road" Initiative	胡延国,中国光大国际有限公司 执行董事、副总经理,光大环保 (中国)有限公司总裁 Hu Yanguo, Executive Director and Vice General Manager of Everbright International, President of Everbright Environmental Protection (China) Co., Ltd.
10:50 - 11:10	中国静脉产业园发展之路 Development of Venous Industrial Parks in China	龙吉生博士,康恒环境董事长 Dr. Long Jisheng, Board Chairman, SUS Environment
11:10 - 11:30	城市好管家如何真正管好垃圾 ——城乡垃圾大数据监管+末端协同化处置综合管理经验 Smart Waste Management - Integrated Waste Management Experience in Big Data Monitoring and Coordinated Disposal at the End of WM-Chain	金铎,瀚蓝国际总裁 Jin Duo, President, Grandblue Environment Co., Ltd.
11:30 - 11:50	阿护碧水蓝天,共建美好家园 Upgrading of Incineration Plants and Environmental Protection	宋兰群 粤丰环保电力公司副总裁 Song Lanqun, Vice President, Canvest Environmental Protection Group
11:50 - 12:10	欧洲国家生活垃圾焚烧及固废管理发展 Development of Household Waste Incineration and Solid Waste Management in European Countries	Andy Whiteman, Wasteaware 咨询公司主任 Andy Whiteman, Director, Wasteaware
12:15 - 14:00	会议自助餐 Lunch Buffet 地点:五洲宾馆 A 座一楼自助餐厅 Venue: Buffet Restaurant, First Floor of A Towe	r, Wuzhou Hotel

12 月 5 日 December 5 <sup>th</sup>	报告内容 Speech	演讲嘉宾 Speaker
14:00 - 14:30	焚烧发展三十年画册及邮册发布会 Launch of Picture and Stamp Album to the 30-Years of Waste Incineration Development	发布会主持: 陈善坤 致辞嘉宾: 深圳市能源环保有限 公司董事长孙川、光大环保(中 国)有限公司副总裁邱波、康恒 环境股份有限公司副总经理李海 燕、瀚蓝环境总裁金锋、粤丰环 保电力有限公司执行董事兼行政 总裁袁国桢 Moderator of the Launch: Chen Shankun Speakers: Sun Chuan, Board Chairman, Shenzhen Energy; Qiu Bo, Vice President, Everbright China; Li Haiyan, Vice General Manager, SUS Environment; Jin Duo, President, Grandblue Environment Co., Ltd.; Yuan Guozhen, Executive Director and Chief Executive, Canvest Environmental Protection Group
14:30 - 15:30	圆桌探讨会议 Discussion	主持人: 焦学军,上海康恒环境股份有限公司总经理Moderator: Jiao Xuejun, General Manager, SUS Environment嘉宾: 中国城市建设研究院有限公司顾问、教授级高级工程师白良成,原深圳市市政综合处理厂厂长、教授级高工龚佰勋,原深圳市市政环卫综合处理厂副厂长、高级工程师卢巨流,深能源总经理李倬舸,瀚蓝国际总裁宋兰群,光大环保(中国)有限公司运营及环境管理部总经理史焕明等Guests: Bai Liangcheng, Professor-Level Senior Engineer & Consultant, China Urban Construction Design & Research Institute Co., Ltd.; Gong Baixun, Former Factory Director and Professor-Level Senior Engineer, Municipal Integrated Treatment Plant of Shenzhen; Lu Juliu, Former Vice Factory Director and Senior

12月5日 December 5 <sup>th</sup>	报告内容 Speech	演讲嘉宾 Speaker
		Engineer, Municipal Integrated Treatment Plant of Shenzhen; Li Zhuoge, General Manager, Shenzhen Energy; Jin Duo, President, Grandblue Environment Co., Ltd.; Song Lanqun, Vice President, Canvest Environmental Protection Group; Shi Huanming, General Manager, Operational and Environment Management Department, Everbright Environment (China) Co., Ltd., etc.
15:30 - 15:45	茶歇 Tea Break	
15:45 - 16:05	中国生活垃圾焚烧标准及建议的主题发言 Keynote Speech on Household Waste Incineration Standards and Recommendations	徐海云,中国城市建设研究院总 工程师、教授级高工 Xu Haiyun, Chief Engineer and Professor-Level Senior Engineer, China Urban Construction Design & Research Institute Co., Ltd.
16:05 - 16:25	关于焚烧厂建设运营邻避建设解决方案的 主题方言 Keynote Speech on Solutions of Avoiding Adjacent Neighborhoods during Incineration Plant Construction	吴宏 广州环保投资集团副总经理 Wu Hong, GZ Environmental Protection Investment Group Co., Ltd.
16:25 - 16:45	低碳发展与生活垃圾焚烧的主题发言 Keynote Speech on Low-Carbon Development and Household Waste Incineration	Ash Sharma, Frontera Consulting Europe Limited 咨询机构主任 Ash Sharma, Director, Frontera Consulting Europe Limited
16:45 - 17:05	关于生活垃圾焚烧监管的主题发言 Keynote Speech on Household Waste Incineration Regulation	海景博士 生态环境部华南环科所 Dr. Hai Jing, Ministry of Ecology and Environment of the People's Republic of China
17:05 - 17:25	关于生活垃圾焚烧烟气处理工艺的 主题发言 Keynote Speech on Flue-Gas Treatment Technology	张星群,杭州新世纪能源环保工程有限公司副总经理、总工程师Zhang Xingqun, Vice General Manager and Chief Engineer, Hangzhou New Century Energy and Environmental Protection Engineering Co., Ltd.

12 月 5 日	报告内容	演讲嘉宾
December 5 <sup>th</sup>	Speech	Speaker
17:25 - 17:45	关于生活垃圾焚烧飞灰处理的主题发言 Keynote Speech on MSWI Fly Ash	宋文彬,栗田工业(大连)有限 公司部长 Song Wenbin, Department Chief, Curita Water Industries (Dalian) Co., Ltd.

12 月 6 日 December 6 <sup>th</sup>	报告内容 Speech	演讲嘉宾 Speaker		
主持人: 中国城市生活垃圾领域国家适当减缓行动项目主任钱名宇 Moderator: Qian Mingyu, Project Director, China Integrated Waste Management NAMA Project (IWM NAMA Project), GIZ 地点: 深圳市东方银座美爵酒店·东京厅 Venue: Tokyo Meeting Room, Grand Mercure Shenzhen Oriental Ginza				
9:15 - 9:25				
9:30	会议开幕 Opening Address			
9:30 - 10:10	放眼世界聚焦国内——国际生活垃圾低碳管理、发展趋势与 NAMA 试点城市 KPI 系统分析 Current Practice, Global Trends in MSW Low-Carbon Management and KPI Assessment Results in China IWM NAMA Demonstration Municipalities	Andy Whiteman, Wasteaware 咨询机构主任 李剑,德国国际合作机构高级技术顾问 Andy Whiteman, Director, Wasteaware Li Jian, Senior Technical Advisor, IWM NAMA Project, GIZ		
10:10 - 10:25	茶歇 Tea Break			
10:25 - 11:40	垃圾综合管理规划参与互动实践 Participatory Exercise on Integrated Waste Management Planning	Andy Whiteman, Wasteaware 咨询机 构主任 Andy Whiteman, Director, Wasteaware		
11:40 - 12:40	午餐 Lunch 酒店自助 Hotel buffet			

12月6日 December 6 <sup>th</sup>	报告内容 Speech	演讲嘉宾 Speaker
12:40 - 13:40	示范城市垃圾管理温室气体减排 MRV 模型 简介 Introduction of IWM GHG Mitigation MRV Model for Demonstration Cities	周红明,部门经理,中创碳投 Zhou Hongming, Department Manager, Sino Carbon Innovation & Investment Co., Ltd.
13:40 - 14:00	茶歇 Tea Break	
14:00 - 15:00	示范城市垃圾管理温室气体减排 MRV 模型 应用 Application of IWM GHG Mitigation MRV Model for Demonstration Cities	周红明,部门经理,中创碳投 Zhou Hongming, Department Manager, Sino Carbon Innovation & Investment Co., Ltd.
15:00 - 15:20	厌氧发酵工艺概述 Introduction to Anaerobic Fermentation	钱名宇,项目主任,中国城市生活垃圾领域国家适当减缓行动项目,德国国际合作机构 Qian Mingyu, Project Director, IWM NAMA Project, GIZ
15:20 - 17:00	试点城市代表与专家分组讨论 Group Discussion with Experts	All
	自由返程 Return Trip	

注:会议具体议程以报道当天会议资料为准。 The actual agenda of the meeting will be included in the meeting materials and distributed on the day of the Forum.

## 参会人员名单 Participants List

单位 Institution	姓名 Name	职务 Title
蚌埠市城市管理行政执法局 Bengbu Urban Administrative and Law Enforcement Bureau	汪文学 Wang Wenxue	副局长 Vice Director
蚌埠市城市管理行政执法局市容环境管理科 Municipal Environmental Management Section, Bengbu Urban Administrative and Law Enforcement Bureau	何啸黎 He Xiaoli	科长 Section Chief
蚌埠市环境卫生管理处 Bengbu Environmental Sanitation Administration Agency	胡永国 Hu Yongguo	主任 Director
蚌埠市环境卫生管理处 Bengbu Environmental Sanitation Administration Agency	李超 Li Chao	副主任 Vice Director
蚌埠市城市管理行政执法局 Bengbu Urban Administrative and Law Enforcement Bureau	付雪梅 Fu Xuemei	副主任科员 Senior Staff Member
泰安市环境卫生管理处监督科 Monitoring Section, Tai'an Environmental Sanitation Administration Agency	薛晓刚 Xue Xiaogang	科长 Section Chief
泰安市环境卫生管理处监督科 Monitoring Section, Tai'an Environmental Sanitation Administration Agency	胡浩斌 Hu Haobin	副科长 Vice Section Chief
泰安北控环境能源开发有限公司 Tai'an Beikong Environmental Development Co., Ltd	李晓云 Li Xiaoyun	总经理 General Manager
兰州市城市管理委员会 Lanzhou Municipal Management Committee	成五龙 Cheng Wulong	办公室主任 Head of Office
兰州市城市管理委员会 Lanzhou Municipal Management Committee	李鑫 Li Xin	科员 Staff Member

单位 Institution	姓名 Name	职务 Title
兰州市城关区环境卫生管理局 Environmental Sanitation Administration of Chengguan District, Lanzhou	陈鑫 Chen Xin	副局长 Vice Director
兰州丰泉环保电力有限公司 Lanzhou Feng Quan Environmental Protection Power Co., Ltd.	包宗树 Bao Zongshu	副总经理 Vice General Manager
兰州市城市管理委员会 Lanzhou Municipal Management Committee	龚昱平 Gong Yuping	职工 Staff Member
西安市城市管理局 Xi'an Municipal Management Bureau	杨联 Yang Lian	处长 Division Director
西安市环境卫生科学研究所 Institute of Environmental Science, Xi'an Municipal Management Bureau	杨海平 Yang Haiping	所长 Director
西咸新区北控环保科技发展有限公司 Beikong Environmental Protection and Technological Development of Xixian District Co., Ltd.	王强 Wang Qiang	总经理 General Manager
中节能(西安)环保能源有限公司 China Energy Conservation & Environmental Protection (Xi'an) Group	姜杰曦 Jiang Jiexi	总经理 General Manager
中节能(西安)环保能源有限公司 China Energy Conservation & Environmental Protection (Xi'an) Group	袁磊 Yuan Lei	工程管理部主任 Head of Engineering Management Department
苏州市环境卫生管理处 Suzhou Environmental Sanitation Administration Agency	何晟 He Sheng	副处长 Vice Division Director
苏州市环境卫生管理处 Suzhou Environmental Sanitation Administration Agency	张晟苑 Zhang Shengyuan	科员 Staff Member
苏州市环境卫生管理处 Suzhou Environmental Sanitation Administration Agency	祁高月 Xing Gaoyue	科员 Staff Member

单位	姓名	职务
Institution	Name	Title
Wasteaware 咨询机构 Wasteaware	Andy Whiteman	主任 Director
Frontera Consulting Europe Limited 咨询公司 Frontera Consulting Europe Limited	Ash Sharma	气候金融高级顾问 Senior Advisor of Climate Finance
中创碳投 Sino-Carbon Innovation & Investment Co., Ltd.	周红明 Zhou Hongming	部门经理 Department Manager
中创碳投 Sino-Carbon Innovation & Investment Co., Ltd.	王媛 Wang Yuan	高级项目经理 Senior Project Manager
德国国际合作机构中国城市生活垃圾处理领域国家适当减缓行动项目 China Integrated Waste Management (IWM) NAMA Project	钱名宇 Qian Mingyu	项目主任 Project Director
德国国际合作机构中国城市生活垃圾处理领域国家适当减缓行动项目 China Integrated Waste Management (IWM) NAMA Project	李剑 Li Jian	高级技术顾问 Senior Technical Advisor
德国国际合作机构中国城市生活垃圾处理领域国家适当减缓行动项目 China Integrated Waste Management (IWM) NAMA Project	Nina Mitiaieva	技术顾问 Technical Advisor
德国国际合作机构中国城市生活垃圾处理领域国家适当减缓行动项目 China Integrated Waste Management (IWM) NAMA Project	侯靖岳 Hou Jingyue	项目协调 Project Coordinator
德国国际合作机构中国城市生活垃圾处理领域国家适当减缓行动项目 China Integrated Waste Management (IWM) NAMA Project	刘天娇 Liu Tianjiao	研究助理 Research Associate

## 会议资料 Training Material

2018年12月6日 December 6th, 2018

议题 Topic	演讲嘉宾 Speaker	页码 Page
放眼世界聚焦国内——国际生活垃圾低碳管理、发展趋势与 NAMA 试点城市 KPI 系统分析 Current Practice, Global Trends in MSW Low-Carbon Management and KPI Assessment Results in China IWM NAMA Demonstration Municipalities	李剑 Li Jian Andy Whiteman	13
示范城市垃圾管理温室气体减排 MRV 模型简介与应用 Introduction and Application of IWM GHG Mitigation MRV Model for Demonstration Cities	周红明 Zhou Hongming	35
厌氧发酵工艺概述 Introduction to Anaerobic Fermentation	钱名宇 Qian Mingyu	64



### 中国

中国城市环境卫生协会 邮编100044 联系人: 刘晶昊 电话: +86 13810539524 邮箱: freehao@263.net

### 德国

中国北京市朝阳区麦子店街37号盛福大厦860室 邮编100125 联系人: 钱名宇 电话: +86 (0)10 8527 5589 转105 手 机: +86 13810529780

## China

China Association of Urban Environmental Sanitation (CAUES) 100044 Beijing, PR China Contact: Liu Jinghao Tel: +86 13810539524

### Germany

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Sunflower Tower 860, Maizidian Street 37, Chaoyang District 100125 Beijing, PR China Contac: Qian Mingyu

Tel: +86 (0)10 8527 5589 ext.105 Mob: +86 13810529780 E-mail: mingyu.qian@giz.de



微信 | Wechat