



2025 臭氧气候技术工业圆桌会议

2025Ozone2Climate Technology Industry Roundtable

联合国环境规划署
联合国开发计划署
生态环境部对外合作与交流中心
中国制冷空调工业协会

诚挚邀请您参加
臭氧气候技术工业圆桌会议

UNEP, UNDP, FECO/MEE and
CRAA

Invite You to the Ozone2Climate
Technology Industry Roundtable

臭氧气候技术路演		4月27日-29日 9:00~17:00	路演展区 E4F31
工业圆桌会议	政策与挑战	4月27日 13:30~16:30	路演展区 E4F31
	制冷剂替代技术	4月28日 9:30~12:00	路演展区 E4F31
	维修良好操作	4月28日 13:30~16:30	路演展区 E4F31

Ozone2Climate Technology Roadshow		April 27-29 9:00~17:00	Roadshow Booth E4F31
Industry Roundtable	Policy and Challenges	April 27 13:30~16:30	Roadshow Booth E4F31
	Refrigerant Substitution Technology	April 28 9:30~12:00	Roadshow Booth E4F31
	Good Practices in the Servicing Sector	April 28 13:30~16:30	Roadshow Booth E4F31

会议直播—路演展区 E4F31
Roadshow Booth E4F31
QR code for live stream



(中文 Chinese)



(英文 English)

圆桌会议提供中英文同声传译

With simultaneous English and Chinese interpretation





2025 臭氧气候技术工业圆桌会议 ——政策与挑战

2025 Ozone2Climate Technology Industry Roundtable: Policy and Challenges

2025年4月27日
上海新国际博览中心，路演展区 E4F31

27 April, 2025 Shanghai New International Expo
Centre, Ozone2Climate Roadshow Booth E4F31

日程

13:00–13:30 注册

开幕式

主持人：尚舒文，处长，生态环境部对外合作与交流中心

13:30–14:00 致辞

- 董文福，处长，生态环境部大气环境司
- 杨礼荣，总工程师，生态环境部对外合作与交流中心
- Mr. Mikheil Tushishvili, 蒙特利尔议定书官员/南亚区域协调员，联合国环境署
- Mr. James George, 驻华副代表，联合国开发计划署
- 张朝晖，副会长，中国制冷空调工业协会

第一部分 《蒙特利尔议定书》实施进展

主持人：尚舒文，处长，生态环境部对外合作与交流中心

14:00–14:15 《蒙特利尔议定书》履约形势和进展

邢雪彬，二级主任科员，生态环境部大气环境司保护臭氧层处

14:15–14:30 从蒙特利尔到基加利：制冷行业履约关键期绿色制冷趋势与挑战

李雄亚，室主任，生态环境部对外合作与交流中心

14:30–14:45 亚太地区制冷空调维修行业政策框架及进展

Mr. Mikheil Tushishvili, 蒙特利尔议定书官员/南亚区域协调员，联合国环境署

14:45–15:00 履约瓶颈与制冷行业绿色转型

程冰心，项目官员，联合国开发计划署驻华代表处

15:00–15:15 讨论

第二部分 挑战与机遇

主持人：陈敬良，副秘书长，中国制冷空调工业协会

15:15–15:30 R290 空调器的能效提升及应用推广

周云瑞，工业发展主任，联合国工业发展组织

15:30–15:45 美国制冷剂转型和可持续性规划的现状

Mr. Stephen Yurek, 总裁兼 CEO, 美国空调供暖和制冷工业协会

15:45–16:00 欧盟：制冷空调行业从 HFCs/HFOs 转向替代制冷剂的过渡时间紧迫

Mr. Russell Patten, 秘书长，欧洲能源与环境协会

16:00–16:15 日本制冷和空调行业为解决环境问题所做的努力

Mr. Tetsuji Okada, 秘书长，日本冷冻空调工业协会

16:15–16:30 讨论

AGENDA

13:00–13:30 Registration

Opening Ceremony

Moderated by Mr. Shang Shuwen, Division Chief of MP, FECO

13:30–14:00 Opening Remarks

Mr. Dong Wenfu, Division Chief of Ozone Layer Protection, Department of Atmospheric Environment, Ministry of Ecology and Environment

Mr. Yang Lirong, Chief Engineer, Foreign Environmental Cooperation Center, Ministry of Ecology and Environment (FECO)

Mr. Mikheil Tushishvili, Montreal Protocol Officer & ExCom Coordinator & Interim Regional Coordinator for South Asia Network, UNEP

Mr. James George, Deputy Resident Representative, UNDP China

Mr. Zhang Zhaohui, Deputy Chairman, CRAA

Session I: Progress in the Implementation of MP

Moderated by Mr. Shang Shuwen, Division Chief of MP, FECO

14:00–14:15 Status and Progress of Implementation of the Montreal Protocol

Mr. Xing Xuebin, Officer, Ozone Layer Protection, Department of Atmospheric Environment, Ministry of Ecology and Environment

14:15–14:30 From Montreal to Kigali: Green Cooling Trends and Challenges during Critical Compliance Periods for ICR industry

Ms. Li Xiongya, Section Chief, FECO

14:30–14:45 Policy Framework in the Refrigeration and Air-conditioning Servicing Sector and Progress in the Asia-Pacific Region

Mr. Mikheil Tushishvili, Montreal Protocol Officer & ExCom Coordinator & Interim Regional Coordinator for South Asia Network, UNEP

14:45–15:00 Kigali Amendment and Sustainable Cooling Initiative

Ms. Cheng Bingxin, Programme Associate, UNDP China

15:00–15:15 Q&A

Session II: Challenges and Opportunities

Moderated by Mr. Chen Jingliang, Deputy Secretary General, CRAA

15:15–15:30 Enhancing Energy Efficiency and Promoting R-290 Adoption in the Air-Conditioning Sector

Dr. Zhou Yunrui, Industrial Development Officer, United Nations Industrial Development Organization (UNIDO)

15:30–15:45 Current State of the Refrigerant Transition and Sustainability Planning

Mr. Stephen Yurek, President and CEO, AHRI

15:45–16:00 The European Union: The clock is ticking for the RACHP industry to make the transition from HFCs/HFOs to alternative refrigerants

Mr. Russell Patten, Director General, EPEE

16:00–16:15 Low-Carbon Strategy Drives the Green Development of Refrigeration and Air Conditioning Industry

Mr. Tetsuji Okada, President, JRAIA

16:15–16:30 Q&A



2025 臭氧气候技术工业圆桌会议 ——制冷剂替代技术

2025 Ozone2Climate Technology Industry Roundtable: Refrigerant Substitution Technology

2025年4月28日
上海新国际博览中心 路演展区 E4F31

28 April, 2025 Shanghai New International Expo
Centre, Ozone2Climate Roadshow Booth E4F31

日程

9:00-9:30 注册

第一部分

主持人：黄东，教授，西安交通大学

9:30-9:45 中国制冷能效项目进展及履约新形势下的思考
郑坦，工业项目主管，能源基金会

9:45-10:00 全球自然工质应用市场最新动态
Mr. Jan Dusek，首席运营官兼亚太地区业务主管，ATMOsphere

10:00-10:15 制冷空调产品全生命周期安全评价体系解析
王汝金，部长助理，合肥通用机械研究院有限公司

10:15-10:30 R290 家用空调的零部件配置策略探讨
周易，首席技术官（CTO），上海海立电器有限公司

10:30-10:45 讨论

第二部分

主持人：陈光明，教授，浙江大学

10:45-11:00 自然工质在工商业制冷中的应用与发展趋势
张会明，副总裁，冰轮环境技术股份有限公司

11:00-11:15 冷链应用的可持续二氧化碳解决方案
Mr. Andre Patenaude，业务拓展和方案策略总监，谷轮环境科技（苏州）有限公司

11:15-11:30 制冷空调各领域的环保制冷剂压缩机解决方案
郎贤明，开发本部副本部长，冰山松洋压缩机（大连）有限公司

11:30-11:45 碳氢工质热泵装备在高温领域的应用
谭海龙，副总工，福建雪人集团股份有限公司

11:45-12:00 讨论



AGENDA

9:00-9:30 Registration

Session I

Moderated by Prof Huang Dong, Xi'an Jiaotong University

9:30-9:45 Progress and Implementation of China Cooling Efficiency Program under the New Situation of Kigali Compliance
Mr. Zheng Tan, Program Officer, Energy Foundation CHINA

9:45-10:00 Natural Refrigerants: Global refrigeration market update
Mr. Jan Dusek, COO & Head of APAC, ATMOsphere

10:00-10:15 Analysis of the Life Cycle Safety Assessment System for Refrigeration and Air Conditioning Products
Mr. Wang Rujin, Assistant to the Division Director, Hefei General Machinery Research Institute Co., Ltd.

10:15-10:30 Discussion on the Component Configuration Strategy of R290 Domestic Air Conditioners
Mr. Zhou Yi, CTO, Shanghai Highly Electrical Appliances Co., Ltd.

10:30-10:45 Q&A

Session II

Moderated by Prof. Chen Guangming, Zhejiang University

10:45-11:00 Application and Development Trends of Natural Refrigerants in Commercial and Industrial Refrigeration
Mr. Zhang Huiming, Vice President, Moon Environment Technology Co., Ltd.

11:00-11:15 Sustainable CO₂ Solutions for Cold Chain Applications
Mr. Andre Patenaude, Director Business Development and Solutions Strategy, Copeland Climate Technologies (Suzhou) Co., Ltd.

11:15-11:30 Environmentally Friendly Refrigerant Compressor Solutions for All Fields of Refrigeration and Air Conditioning
Mr. Lang Xianming, Senior Director, Sonyo Compressor (Dalian) Co., Ltd.

11:30-11:45 The Application of Hydrocarbon Heat Pump Equipment in High Temperature Field
Mr. Tan Hailong, Deputy Chief Engineer, Fujian Snowman Group Co., Ltd.

11:45-12:00 Q&A



2025 臭氧气候技术工业圆桌会议 ——维修良好操作

2025 Ozone2Climate Technology Industry Roundtable: Good Practices in the Servicing Sector

2025年4月28日
上海新国际博览中心 路演展区 E4F31

28 April, 2025 Shanghai New International Expo
Centre, Ozone2Climate Roadshow Booth E4F31

日程

13:00–13:30 注册

第一部分 维修行业计划

主持人: 李红旗, 教授, 北京工业大学

13:30–13:45 制冷维修行业履约要求
滑雪, 高级项目官员, 生态环境部对外合作与交流中心

13:45–14:00 上海市 ODS 备案政策解读
施珺洁, 履约化学品科副科长, 上海市固体废物与化学品管理技术中心

14:00–14:15 消耗臭氧层物质销毁处置管理进展
胡俊杰, 正高级工程师, 生态环境部固体废物与化学品管理技术中心

14:15–14:30 通过职业技术教育和行业合作, 提升制冷和空调行业维修安装技能
Mr. Mohd Zaki Bin Mohamed, 主任, 吉隆坡大学

14:30–14:45 讨论

第二部分 维修良好操作实践

主持人: 韩晓红, 秘书长, 绿色制冷剂研究与应用分会

14:45–15:00 制冷剂全生命周期管理及解决方案
Ms. Louise McCann, 集团董事/商务战略总监, 爱格思(上海)化学品有限公司

15:00–15:15 上海市工商制冷维修企业制冷剂管控
狄方, 副秘书长, 上海冷冻空调行业协会

15:15–15:30 报废机动车制冷剂回收再利用模式
王海涛, 总经理, 天津澳宏环保材料有限公司

15:30–15:45 各种法规标准中常见单组分制冷剂的安全分类分析
高钰, 副主任, 中国制冷空调工业协会

15:45–16:00 讨论

AGENDA

13:00–13:30 Registration

Session I: Plans in the Servicing Sector

Moderated by Prof. Li Hongqi, Beijing University of Technology

13:30–13:45 Compliance Requirements in the Refrigeration Servicing Sector of China
Ms. Hua Xue, Senior Project Officer, FECO

13:45–14:00 Shanghai ODS Filing Policy Interpretation
Ms. Shi Junjie, Deputy Section Chief, Compliance Execution of Chemicals Section, Shanghai Solid Waste and Chemicals Management Technology Center

14:00–14:15 Progress in the Management of the Destruction and Disposal of Ozone Depleting Substances
Ms. Hu Junjie, Professorate Senior Engineer, China Solid Waste and Chemicals Management Technology Center of the Ministry of Ecology and Environment of China

14:15–14:30 Bridging the Skills Gap in Refrigeration & Air Conditioning through TVET and Industry Collaboration
Mr. Mohd Zaki Bin Mohamed, Director, University Kuala Lumpur

14:30–14:45 Q&A

Session II: Good Practices in the Servicing Sector

Moderated by Prof. Han Xiaohong, Secretary General, Green Refrigerants Research and Application Branch of CRAA

14:45–15:00 Global Lifecycle Refrigerant Management
Ms. Louise McCann, Group Commercial Director, A-Gas Group

15:00–15:15 Shang Hai Refrigerant Filing and Control in ICR Servicing Sector
Mr. Di Fang, Deputy Secretary General, Shanghai Air-conditioning and Refrigeration Institute

15:15–15:30 Refrigerant Recovery and Reuse Model for End-of-Life Vehicles
Mr. Wang Haitao, General Manager, Tianjin Aohong Environmental protection material Co., Ltd.

15:30–15:45 Safety Classification Analysis of Common Single-Component Refrigerants in Various Regulations and Standards
Ms. Gao Yu, Deputy Director, CRAA

15:45–16:00 Q&A

