**The 12th International Conference on Air Benefit and Cost and Attainment Assessment & Symposium on Atmospheric Haze Chemistry (ABaCAS 2025)**

**(First Announcement)**

The 12th International Conference on Air Benefit and Cost and Attainment Assessment & Symposium on Atmospheric Haze Chemistry will be held in Deqing, Huzhou, Zhejang from September 20 to 22, 2025. With the support and guidance of organizations including the Chinese Academy of Engineering and the Energy Foundation, this conference will be jointly hosted by the Tsinghua University, Chinese Society for Environmental Sciences, Zhejiang University of Technology, Zhejiang University, Research Center for Eco-Environmental Sciences CAS, and South China University of Technology.

This conference aims to offer an outstanding platform for scientists and policymakers from diverse fields. They will have in - depth discussions on carbon neutrality roadmaps and air pollution control strategies related to the energy and environment at urban, regional, and global levels. The ultimate goal is to further promote China's carbon pollution reduction plans, enhance the synergistic interactions, and continuously improve the quality of ambient air.

During the Conference, a training workshop on the “Air Benefit and Cost and Attainment Assessment System (ABaCAS)” will also be arranged, to provide related air quality modelers, managers and scientists with the demonstration for functions and use of the cutting-edge localized air quality assessment system in China.

**I. Organizational structure**

**(I) Hosts**

Chinese Society for Environmental Sciences

Zhejiang University of Technology

Zhejiang University

Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China

South China University of Technology

**(II) Permanent host**

Tsinghua University, China

**(III) Organizers**

Science and Education Integration College of Energy and Carbon Neutralization of Zhejiang University of Technology

Carbon Neutralization Institute of Zhejiang University

National Key Laboratory for Regional Environmental Security

Key Laboratory of Sources and Control of Air Pollution Complex, Ministry of Ecology and Environment of the People’s Republic of China

**(IV) Cooperating organization**

Energy Foundation

**II. Conference themes**

Continuous air quality improvement under green transformation. Sessions (including but not limited to):

1. Emission inventory and traceability technique for atmospheric pollutants and greenhouse gases;

2. “Ground-air-space” monitoring for air pollutants and greenhouse gases;

3. Air quality modelling and cost-benefit analysis for air pollution control;

4. Synergistic control of air pollutants and carbon;

5. Control of PM2.5 and ozone pollution;

6. Atmospheric environment and health;

7. Big data and artificial intelligence technology in the atmospheric environment;

8. Energy transformation and atmospheric environment

9. Atmospheric haze chemistry

**III. Important dates**

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| --- | --- |
| Formal conference: | September 21-22, 2025 |
| ABaCAS Training Workshop: | September 20, 2025 |
| Deadline for abstract submission: | August 15, 2025 |
| Abstract acceptance: | Before September 1, 2025 |
| Early bird registration date: | Before August 31, 2025 |
| Full registration date: | September 1-20, 2025 |

**IV. Location**

Deqing, Huzhou, Zhejiang

**V. Conference registration**

(I) Conference service charge

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| --- | --- | --- |
| Participants | Before August 31, 2025 (early bird registration) | August 31 – September 20 |
| Students | ￥ 1,000 Yuan | ￥ 1,200 Yuan |
| Non-students | ￥ 1,800 Yuan | ￥ 2,000 Yuan |

(II) Registration

The online registration mode will be used for the Conference. Domestic participants can register by scanning the QR code or entering the “Conference Service” module after searching “Chinese Society for Environmental Sciences” in WeChat Mini Program. Foreign participants can register by entering the website of the Conference (https://www.abacas-dss.com/Conference/2025).

People to attend the parallel session shall complete registration and submit the report and abstract on line before August 15. The conference team will inform the applicants by email before September 1.



The QR code for the 12th International Conference on Air Benefit and Cost and Attainment Assessment & Symposium on Atmospheric Haze Chemistry

(III) Payment modes

The participants can pay by the following three modes:

1. Online payment (suggested): The participants can pay by Alipay or WeChat during online registration.

2. Bank transfer

(1) Domestic participants

Name of Organization: Chinese Society for Environmental Sciences

Opening Bank: Beijing Lishi Road Branch, China Everbright Bank

Account Number: 7501 0188 0003 31250

Remittance instructions: (1) Please give the following information for individual account transferring: ABaCAS + invoice title + name + cell-phone number; (2) please upload the remittance document to the conference registration system; the financial staff will update your payment status after verification.

3. On-site payment: The participants can pay by swiping the UnionPay card (POS machine) at the site.

(IV) Invoice

Electronic invoices will be provided, and the invoice content is the conference service charge. The participants shall correctly fill in the invoice information and the email address & cell phone number to receive the invoice in accordance with the system prompt. After the participants sign in at the site, electronic invoices will be issued.

(V) Cancellation

If the application is cancelled before August 31, 2025 (including), all expenses will be returned. The application cannot be cancelled after September 1, 2025, but the participants can be replaced. Please submit an online application for cancellation; please send the application for replacement to the following email address, to replace the applicants: zhangzh@chinacses.org.

**VI. Conference team members and contact information:**

1. Chinese Society for Environmental Sciences

Contact: Zhonghua ZHANG, 010-62259894

Email: zhangzh@chinacses.org

2. Zhejiang University of Technology

Contact: Jiayan CAI, 0571-88320116

Email: kjrh@zjut.edu.cn

Appendixes: 1. Scientific Committees

2. Executive Committees

Appendix 1

Scientific Committees

**Chairs:**

Jiming HAO, Academician of Chinese Academy of Engineering

Kefa CEN, Academician of Chinese Academy of Engineering

Hong HE, Academician of Chinese Academy of Engineering

Xiang GAO, Academician of Chinese Academy of Engineering

**Scientific Committees**

|  |  |
| --- | --- |
| Yihui DING, Academician of Chinese Academy of Engineering | |
| Li’an HOU, Academician of Chinese Academy of Engineering | |
| Guibin JIANG, Academician of Chinese Academy of Sciences | |
| Shu TAO, Academician of Chinese Academy of Sciences | |
| Jincai ZHAO, Academician of Chinese Academy of Sciences | |
| Wenqing LIU, Academician of Chinese Academy of Engineering | |
| Kebin HE, Academician of Chinese Academy of Engineering | |
| Yuanhang ZHANG, Academician of Chinese Academy of Engineering | |
| Jinnan WANG, Academician of Chinese Academy of Engineering | |
| Zhen HUANG, Academician of Chinese Academy of Engineering | |
| Qiao WANG, Academician of Chinese Academy of Engineering | |
| Xiaoye ZHANG, Academician of Chinese Academy of Engineering | |
| Tong ZHU, Academician of Chinese Academy of Sciences | |
| Jianmin CHEN, Academician of Academia Europaea | |
| Shaocai YU, Academician of Academia Europaea | |
| Haidong KAN, Academician of Academia Europaea | |
| Fahe CHAI, Research Fellow | Changhong CHEN, Research Fellow |
| Qingyan FU, Professor | Shaojia FAN, Professor |
| Benji JIANG, Professor | Jingnan HU, Research Fellow |
| Li LI, Professor | Xinzhi LAI, Professor |
| Xin LIU, Director | Yu LEI, Research Fellow |
| Min SHAO, Professor | Qian LIU, Research Fellow |
| Zifa WANG, Research Fellow | Shuxiao WANG, Professor |
| Yuesi WANG, Research Fellow | Tijian WANG, Professor |
| Daiqi YE, Professor | Xuemei WANG, Professor |
| Hong YE, Professor | Pinhua XIE, Research Fellow |
| Mei ZHENG, Professor | Liuju ZHONG, Professor |
| Yun ZHU, Professor | Yu ZHAO, Professor |
| Junyu ZHENG, Professor | Hong LIAO, Professor |
| Tao WANG, Professor |  |
| Drew SHINDELL, Academician of the National Academy of Sciences | |
| Carey JANG, Chair Professor | Armistead RUSSELL, Professor |
| Greg CARMICHAEL, Professor | Jim KELLY, Doctor |
| Tyler FOX, Director | Alex WANG, Professor |
| Jeremy AVISE, Director | Hsing-Wei CHU, Professor |
| Chatani SATORU, Doctor | Jonathan PLEIM, Doctor |
| Jerry LIN, Professor | Jung-Hun WOO, Professor |
| Joshua FU, Professor | Rohit MATHUR, Doctor |
| Peter LOUIE, Doctor | Bui Ta LONG, Professor |
| Savitri GARIVAIT, Professor | Yang LIU, Professor |
| Thomas HO, Professor |  |

Appendix 2

Executive Committees

**Chair:**

Shuxiao WANG

**Committee members:**

|  |  |  |  |
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| Yongmei CHEN | Shihan ZHANG | Bin ZHAO | Biwu CHU |
| Yun ZHU | Yuqiang ZHANG | Carey JANG | Xin LIU |
| Chenghang ZHENG | Joshua FU | Zhonghua ZHANG |  |