

Scientific Recognition: Air Quality and Greenhouse Gases

Awards

Zbigniew Klimont

- Included on a list of the most highly cited researchers worldwide in the field of geosciences

Invited lectures

Markus Amann

- Exposure-Response Functions for Estimating Population Health Impacts from Particulate Matter Expert Consultation, World Health Organization (WHO), Geneva, Switzerland, January 2017
- Expert Workshop: Towards further collaboration between Japanese research community and IIASA, Tokyo, Japan, January 2017
- International Workshop on Energy and Air Pollution in Asia: Challenges and Solutions. Joint Graduate School of Energy and Environment, King Mongkut's University, Bangkok, Thailand, February 2017
- Third meeting of the Global Platform on Air Quality and Health, World Health Organization (WHO), Madrid, Spain, March 2017
- Workshop on modelling of urban and regional measures for improved air quality. "Cost-effective EU-measures to reduce exposure of the urban population". Task Force on Integrated Assessment Modeling of the UN Economic Commission for Europe (UNECE) Air Convention, Utrecht, Netherlands, February 2017
- Joint meeting of the Extended Bureau of European Monitoring and Evaluation Programme (EMEP) Steering Body and the Extended Bureau of the Working Group on Effects, Geneva, Switzerland, March 2017
- World Energy Outlook 2017: High-level Workshop on Energy and Development. Hosted by the International Energy Agency (IEA), Paris, France, March 2017
- "Science for services-assessment of socioeconomic impacts of air pollution" Symposium of the Global Atmosphere Watch Programme (GAW) of the World Meteorological Organization (WMO), Geneva, Switzerland, April 2017
- Short-lived climate pollutants in climate change and air quality plans. Climate and Clean Air Coalition (CCAC) Meetings, UN Environment, Santiago de Chile, Chile, April 2017
- 46th Session of the Task Force on Integrated Assessment Modeling of the Convention on Long-range Transboundary Air Pollution, Paris, France, May 2017
- 20th meeting of the Joint Convention and the World Meteorological Organization (WMO) Task Force on the Health Effects of Long-range Transboundary Air Pollution, Bonn, Germany, May 2017
- Pollution Management and Environmental Health-Air Quality Monitoring. Chinese Research Academy for Environmental Sciences, Regional Air Quality Management Planning Workshop, Beijing, China, May 2017
- 55th Session of the Working Group on Strategies and Review under the Convention on Long-range Transboundary Air Pollution, Geneva, Switzerland, June 2017
- World Bank meeting on the GAINS-Pollution Management and Environmental Health Project in the Jingjinji Region, China. Washington DC, USA, June 2017
- Workshop on Pollution Management and Environmental Health (PMEH) Air Quality Management Jingjinji Experience Sharing, Guangzhou, China, September 2017
- CICERO workshop on 'The role of short-lived climate forcers in the global climate regime', Oslo, Norway, October 2017
- Atmospheric pollution in the Asia Pacific: Science-based solutions'. Asian-Pacific Clean Air Partnership (APCAP) Science Panel Meeting, Bangkok, Thailand, October 2017
- 50 Years of Acid Rain Research and Control. Symposium of Transboundary Air Pollution during 50 years. The Royal Swedish Academy of Forestry and Agriculture, Stockholm, Sweden, November 2017
- European Clean Air Forum. Integrated Assessment Modeling services to support the development of a Clean Air Outlook. European Commission, Paris, France, November 2017
- 37th Session of the Executive Body for the Convention on Long-range Transboundary Air Pollution, Geneva, Switzerland, December 2017
- Application of GAINS model for Air Quality Management in Vietnam organized by the Centre for Research and Technology Transfer, Hanoi, Vietnam, December 2017
- Biomass burning in Asia – a systems perspective to reveal opportunities with benefits for long-term transformations. UTM Perdana School of Science, Technology, Innovation, and Policy, Kuala Lumpur, Malaysia, December 2017

Jens Borcken

- Panel contribution at European Parliament's 'Conference on Remote Sensing Potential', on the role of remote sensing for market surveillance of vehicles, Brussels, Belgium, September 2017
- Controversies around NO_x health impact assessment. Presentation at the European Research on Mobile Emission Sources (ERMES) Meeting, Dübendorf, Switzerland, November 2017
- Impact of excess NO_x emissions from diesel cars on air quality, public health, and eutrophication in Europe. Talk at the 22nd International Transport and Air Pollution Conference, Dübendorf, Switzerland, November 2017
- Thousands of snapshots vs. trips with thousands of seconds – how remote sensing complements PEMS/chassis emission measurements. Talk at the 22nd International Transport and Air Pollution Conference, Dübendorf, Switzerland, November 2017

Janusz Cofala

- Reduction of emissions from residential combustion and its role in achieving emission ceilings from the National Emission Ceilings (NEC) Directive. Conference on "Clean Heat – Emissions from residential burning and possibilities of their reduction", Prague, Czech Republic, November 2017

Lena Höglund-Isaksson

- "Increasing the visibility and impact of non-CO₂ mitigation", ClimateWorks Annual non-CO₂ Summit, Lisbon, Portugal, June 2017
- Invited speaker and panel member in session on "Reducing methane from global oil and gas production", ClimateWorks Annual non-CO₂ Summit, Lisbon, Portugal, June 2017
- "Anthropogenic emissions and future scenarios", Arctic Monitoring and Assessment Programme (AMAP) short-lived climate pollutants expert group meeting, Victoria BC, Canada, June 2017
- Invited presentation on "GAINS model Reference 2016 scenario for non-CO₂ greenhouse gases: Norway", European Commission, Directorate-General for Climate Action (DG-CLIMA), Brussels, Belgium, September 2017

Gregor Kieseewetter

- "Source attribution of PM in the GAINS model", 18th Task Force for Measurements and Modeling Meeting, Convention on Long-range Transboundary Air Pollution, Prague, Czech Republic, May 2017
- Twin Site Modeling Plans, technical workshop of the Task Force for Measurements and Modeling Meeting, Convention on Long-range Transboundary Air Pollution, Paris, France, September 2017
- "Application of GAINS model for Air Quality Management in Vietnam" organized by the Centre for Research and Technology Transfer, Hanoi, Vietnam, December 2017
- Tracking Progress on Health and Climate Change. Lancet yearly report meeting, London, UK, 2017

Zbigniew Klimont

- Recent Advances in the Understanding of Black Carbon Atmospheric Processes, Radiative Forcing and Climate Impact. Title of the talk: Emissions of Black Carbon and coemitted species: Recent and future regional trends, CICERO, Oslo, Norway, January 2017
- International Workshop on 'Energy and Air Pollution in Asia: Challenges and Solutions', Bangkok, Thailand, February 2017
- Climate and Clean Air Coalition (CCAC) Scientific Advisory Panel (SAP) Expert Workshop "Metrics for Evaluating and Reporting on Black Carbon and Methane Interventions", Ottawa, Canada, March 2017
- Workshop on Uncertainties and QA/QC, Cracow, Poland, May 2017
- The 18th joint meeting of the European Environment Information and Observation Network (EIONET) and UN Economic Commission for Europe (UNECE) Task Force on Emissions Inventories and Projections, Cracow, Poland, May 2017
- Workshop on "Air Quality Management Planning for the Larger Hanoi Metropolitan Area (Hanoi-Bac Ninh-Hung Yen)". Titles of the talks: "The GAINS-PMEH cost-effectiveness analysis tool: State of implementation for Larger Hanoi Metropolitan Area" and "The GAINS-PMEH cost-effectiveness analysis tool: Data collection and verification, mitigation measures and their potential", Hanoi, Vietnam, May 2017
- Summit on Black Carbon and Other Emissions from Combined Cooking + Heating and Coal Heating Stoves. A joint initiative of the Climate and Clean Air Coalition (CCAC), International Cryosphere Climate Initiative (ICCI), Global Alliance For Clean Cookstoves (GACC), and the Government of Poland. Titles of the talks: "Coal heating: Global and regional perspective, data gaps, and other challenges" and "Cooking/heating stoves: Global and regional perspective, data gaps, and other challenges", Warsaw, Poland, May 2017
- ClimateWorks annual non-CO₂ Summit. Title of the talk: Non-CO₂ abatement potentials and co-benefits, Lisbon, Portugal, June 2017
- UN Environment Programme (UNEP) Emissions Gap Report 2017 Author's meeting. Title of the talk: Bridging the gap – The role of short-lived climate pollutants, Copenhagen, Denmark, August 2017

- Arctic Circle Assembly. The Arctic Futures Initiative: A systems analysis perspective on the plausible future of the Arctic. Title of the talk: Short-Lived Climate Pollutants (SLCP) and the Arctic, Reykjavik, Iceland, October 2017
- Brazilian Fuels, Vehicles Technologies and Emissions Program (PCVE) Seminar, Institute of Astronomy, Geophysics and Atmospheric Sciences, University of Sao Paulo. Title of the talk: Bridging science and policy: Application of integrated assessment models to address regional air pollution and near term climate change, Sao Paulo, Brazil, November 2017
- PSF/TAIEX Workshop on Air Pollution, Industrial Emissions, Sand, and Dust Storms. Title of the talk: Bridging science and policy: Application of integrated assessment models to address regional air pollution, Tehran, Iran, November 2017
- Seminar at the Division of Interdisciplinary Studies, Department of Advanced Technology Fusion, Konkuk University. Title of the talk: Bridging science and policy: Application of integrated assessment models to address regional air pollution and climate change, Seoul, Republic of Korea, December 2017
- 2017 International Conference on Transboundary Air Pollution. Title of the talk: Co-benefits Approach to Air Pollution and Climate Change: Application of Integrated Assessment Models, Seoul, Republic of Korea, December 2017

Pallav Purohit

- Managing future air quality in the national capital territory of Delhi. Workshop organized by Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science and Technology, Government of India, New Delhi, India, October 2017
- Market mechanisms as a means to effectively implement India's climate mitigation objectives. Workshop organized by the Indian Ministry of Environment, Forest and Climate Change (MoEFCC) and the German Federal Ministry for the Environment, Nature Conservation, Building, and Nuclear Safety (BMUB) jointly with German Development Cooperation (GIZ), New Delhi, India, June 2017

Wilfried Winiwarter

- Nitrogen and the planetary boundaries: Environmental consequences of anthropogenic modifications to the nitrogen cycle. Institute of Environmental Biotechnology, Graz University of Technology, Austria, May 2017
- Die großräumige (kontinentale und globale) Perspektive der "International Nitrogen Initiative". Präsentation im Rahmen des Workshops „Der Stickstoffkreislauf – Bedeutung in verschiedenen Umweltsphären“ der Kommission Klima und Luftqualität & Kommission für Interdisziplinäre Ökologische Studien der Österreichischen Akademie der Wissenschaften, Vienna, Austria, May 2017
- Engineering challenges of global environmental change. Third International Conference on Environmental Engineering and Design at the occasion of the 40th anniversary of Environmental Engineering in Zielona Góra, Zielona Góra, Poland, October 2017
- Climate Action in Agriculture: Nitrogen budgets and planetary boundaries. Sixth meeting of the EU Nitrogen Expert Panel, Berlin, Germany, October 2017

Organized events

Zbigniew Klimont

- Toyota Clean Air Project (TCAP); GAINS training/discussion workshop with team from King Mongkut's University of Technology Thonburi (KMUTT) in Bangkok, Thailand. IIASA, Laxenburg, Austria, September 2017
- Toyota Clean Air Project (TCAP); GAINS training/discussion workshop with team from Bandung Institute of Technology (ITB) in Bandung, Indonesia. IIASA, Laxenburg, Austria, November 2017.
- GAINS training workshop at the Vietnamese Academy of Science and Technology (VAST), Center for Training, Consultancy and Technology Transfer, December 2017.

Wilfried Winiwarter

- Convenor of event "Der Stickstoffkreislauf – Bedeutung in verschiedenen Umweltsphären" of the Austrian Academy of Sciences' Climate and Air Quality Commission, in cooperation with the Commission for Interdisciplinary Ecological Studies, Vienna, Austria, May 2017
- Convenor of Climate Change Centre Austria - Commission of Climate and Air Quality (CCCA-KKL) Workshop: Austrian science contributions to Intergovernmental Panel on Climate Change (IPCC), October 2017
- Coconvenor of Session B036: Global and Regional Nitrous Oxide Budget: Data, Models, and Uncertainty at American Geophysical Union (AGU) Fall Meeting, New Orleans, USA, December 2017

Advisory boards

Markus Amann

- Member of the Science Advisory Panel of the Climate and Clean Air Coalition (CCAC)
- Member of the Commission on Climate and Air Quality, Austrian Academy of Sciences
- Member of the Science Advisory Group of the Asian Pacific Clean Air Partnership (APCAP)
- Head of the 'Centre for Integrated Assessment Modeling' of the Convention on Long-range Transboundary Air Pollution
- Member of the Review Panel on the climate-related research activities of the Swedish Foundation for Strategic Environmental Research (MISTRA)

Lena Höglund-Isaksson

- Member of the Arctic Monitoring and Assessment Program (AMAP) Short-lived climate pollutants expert group, AMAP, the Arctic Council, Oslo, Norway

Zbigniew Klimont

- Member of the Global Emissions Initiative Scientific (GEIA) Steering Committee
- Member of the Steering Committee of the Energy Modelling Forum (EMF 30)
- Member of the advisory board of the LIFE project: Clean Heat

Pallav Purohit

- Lead Country Contributor (India) to the Renewable Energy Policy Network for the 21st Century (REN21) Global Status Report 2017

Fabian Wagner

- Research Executive Agency of the EU, Reviewer of research projects under the SPACE program of the 7th Framework Programme for Research and Technological Development (FP7)

Wilfried Winiwarter

- Chair of the Scientific Board ("Wissenschaftlicher Beirat") of the Leibniz-Institut für Agrartechnik und Bioökonomie (ATB), Potsdam-Bornim e.V. (since 2017, member since 2015)
- Member of the EU Nitrogen Expert Panel, an independent consortium bringing together expertise of academia, policy, and industry (2014 - 2017)
- Deputy Chair, Commission of Climate and Air Quality (KKL) of the Austrian Academy of Sciences

Editorships

Jens Borcken-Kleefeld

- Editor for the Swiss Life Cycle Inventory Database *eco-invent* - for Land Transport Sector

Lena Hoeglund-Isaksson

- Peer reviewer of International Energy Agency (IEA) *World Energy Outlook 2017 report*, Chapters 9-11 on natural gas, July-August 2017

Pallav Purohit

- Associate Editor (2010 onwards) *International Journal of Global Energy Issues* (IJGEI)
- Academic Editor (2009 onwards) *Sustainability* (IF: 1.85 in 2016)

Fabian Wagner

- Academic Editor (2013 onwards) *Journal of Renewable Energy*

Wilfried Winiwarter

- *Aerosol and Air Quality Research*
- *Systema*: connecting matter, life, culture and technology (ISSN: 2305-6991), an open-access journal operating under open journal systems
- Civil and Environmental Engineering Reports (CEER), University of Zielona Gora Press, Poland (since 01/2017)