

Scientific Recognition: Air Quality and Greenhouse Gases

Awards

Zbigniew Klimont

- [Listed as one of the most highly cited researchers worldwide in the field of geosciences](#)

Invited lectures

Markus Amann

- Improving urban air quality requires large-scale regional responses. World Sustainable Development Summit, The Energy and Resources Institute (TERI), New Delhi, India, February 2018
- The UNEP/CCAC assessment of air quality solutions for sustainable development in Asia. International Conference on Air Quality, Institut Teknologi Bandung (ITB), ITB Bandung, Indonesia, February 2018
- Future directions for 'co-benefits' analyses. International Workshop on Assessment of co-benefits approach: Methodological issues and evaluation tools, Institute for Global Environmental Studies (IGES), Tokyo, Japan, March 2018
- Progress towards the achievement of the EU's air quality and emissions objectives. Convention on Long-range Transboundary Air Pollution, 47th Session of the Task Force on Integrated Assessment Modelling, Brescia, Italy, May 2018
- Saltsjobaden VI Workshop: Findings from regional UNEP/CCAC assessments in Asia and Latin America, Swedish Environmental Research Institute (IVL), Gothenburg, Sweden, March 2018
- Assessment of Atmospheric Pollution in the Asia-Pacific: Science-based Solutions. Science Panel meeting of the Asian-Pacific Clean Air Partnership (APCAP), Bangkok, Thailand, March 2018
- The PMEH-GAINS cost-effectiveness approach for air quality management. Air Quality Management Planning Workshop, World Bank Office, Dehli, India, April 2018
- Stakeholder consultation to discuss the National Clean Air Program (NCAP). Indian Ministry of Environment and Forests (MoEF): Sectoral air pollution controls: Residential and agriculture sources, Delhi, India, April 2018
- Progress towards the achievement of the EU's air quality and emissions objectives. 21st Session of the WHO/LRTAP Task Force on Health, World Health Organization, European Office, Bonn, Germany, May 2018
- Measures to reduce ammonia emissions. Convention on Long-range Transboundary Air Pollution, EMEP Steering Body and Working Group on Effects, 4th joint session, Geneva, Switzerland, September 2018
- Air Pollution in Asia and the Pacific: Science-based Solutions. Convention on Long-range Transboundary Air Pollution, Steering Body of the European Monitoring and Evaluation Programme (EMEP), Geneva, Switzerland, September 2018
- Local pollution in emerging economies: Insights from recent IIASA analyses, International Energy Agency (IEA), Paris, France, October 2018
- PM2.5: Local, Regional and Global Perspectives. Inter-Academy Seoul Science Forum 2018 (IASFF 2018), Seoul, Korea, October 2018
- PM2.5: Local, Regional and Global Perspectives: Findings from the Recent UNEP Assessment on 'Air Pollution in Asia: Science-based Solutions'. Annual Symposium 2018 of the Korean Society for Atmospheric Environment (KOSAE), Jeju, Korea, October 2018
- Main sources of air pollution and sectors for action on air pollution and climate change. First World Health Organization (WHO) Global Conference on Air Pollution and Health, Geneva, Switzerland, October-November 2018
- Towards an improved understanding of the sources of global and local pollution. World Meteorological Organization (WMO), Global Atmospheric Watch, Geneva, Switzerland, November 2018
- Symposium on Change the Climate for our Health: Maximizing economic and social co-benefits between air quality management and greenhouse gas mitigation, European Parliament, Brussels, Belgium, November 2018
- Trends of ozone precursor emissions and their impacts. EU Workshop on Air quality policy implementation related to ozone, Madrid, Spain, November 2018

Jens Borcken-Kleefeld

- „Dieselgate“ - die (Gesundheits-)Folgen. 47. Verkehrsplanerisches und Verkehrsökologisches Kolloquium, Fakultät Verkehrswissenschaften Friedrich List, Technische Universität Dresden, Germany, January 2018
- „Luftverschmutzung und Verkehr – Wo liegen die Probleme heute und morgen“, Forum Verkehr, Vienna, Austria, January-February 2018
- Real vehicle emissions – Measuring and interpreting. The Real Urban Emissions (TRUE) Initiative City Symposium - Supporting cities to address urban air quality and vehicle emissions, London, UK, June 2018

Janusz Cofala

- Measures to mitigate air pollution from international shipping on European Seas. Saltsjöbaden VI Workshop, Swedish Environmental Protection Agency and IVL Swedish Environmental Research Institute in close collaboration with the Convention on Long-range Transboundary Air Pollution (CLRTAP), Gothenburg, Sweden, March 2018
- Reduction of emissions from household sector and its role in achieving of emission ceilings from the NEC Directive. Workshop on Air pollution from residential burning – implementation of European and national legislation, Deutsche Umwelthilfe, Budapest, Romania, February 2018
- Options to decrease air pollution from international shipping on European seas. Regional Workshop on Ratification and Effective Implementation of MARPOL Annex VI. Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC), Valletta, Malta, December 2018

Lena Hoglund-Isaaksson

- Methane emissions from oil and gas systems globally and in the EU. DG-ENE Workshop, Brussels, Belgium, March 2018
- The role of non-CO2 GHGs in EU28: results of the GAINS model. DG-CLIMA, Brussels, Belgium, June 2018

Zbigniew Klimont

- International workshop on Assessment of co-benefit approach: Methodological issues and evaluation tools. Ministry of the Environment, Japan and Institute for Global Environmental Strategies (IGES) in collaboration with The Japan Committee for International Institute for Applied Systems Analysis, IGES Tokyo Office, Japan, March 2018
- Meeting of the European Solvents Downstream Users Coordination (ESVOC) Group, CEFIG Office, Brussels, Belgium, June 2018
- Workshop Combating Climate Change by Reducing Emissions of Short-Lived Climate Pollutants: Perspectives on Science, Law and Policy and to participate in the ClimaSlow Advisory Board meeting. University of Eastern Finland (ClimaSlow Project), Helsinki, Finland, August 2018
- Clean Air Working Group meeting. European Environmental Bureau (EEB), Brussels, Belgium, October 2018

Max Posch

- Past, Present and Future of Critical Loads – European Perspective. Scientific Symposium and Fall Meeting of the U.S. National Atmospheric Deposition Program (NADP), Albany, NY, USA, November 2018

Pallav Purohit

- Temperature, environmental, and development impacts – benefits of HFC phasedown with enhanced cooling efficiency. UNEP/DTU Partnership, UN City Copenhagen, Denmark, June 2018

Fabian Wagner

- Fokus 2050 | Zukunftsszenarien zur Nachhaltigkeit. Studienstiftung des deutschen Volkes, Vienna, Austria, January 2018
- Linking Low Carbon Futures with Air Quality Improvements, Health and other SDGs, 2nd Expert Strategic Dialogue on Modelling for Long-term Development, Beijing, China, March 2018
- China's Mid-Century strategy for climate mitigation – Framing and methodologies. Joint workshop by the Chinese Energy Foundation, the Pathways platform, and the International Energy Agency (IEA), Beijing, China, March 2018
- Air pollution – Challenges and solutions. Model United Nations Conference on Environment and Development, Vienna, Austria, April 2018
- Integrated air pollution modeling across scales. Integrated Assessment Modelling: A synthesis of the salient dimensions, confronting challenges and opportunities, Brescia, Italy, May 2018
- Modeling Environmental Policies and Interventions. International Symposium on Integrative Modelling in Sustainability Systems Research, Kassel, Germany, May 2018
- Integrated assessment model GAINS to address regional air pollution. Ministry of Environment, Jerusalem, Israel, June 2018
- Bridging science and policy. The Porter School at of Environmental Studies, Tel Aviv, Israel, June 2018
- The uses and misuses of optimization in policy supporting integrated assessment modeling: Experiences from the GAINS model. Spring Meeting of the Korean Society of Climate Change Research, Jeju Island, Korea, June 2018
- GAINS optimization: Rationale and implementation. Konkuk University, Seoul, June 2018

Wilfried Winiwarter

- Nitrogen budgets: New insights in environmental transfers of reactive nitrogen compounds. NARO-MARCO International Symposium on Nitrogen Cycling and Its Environmental Impacts in East Asia, 2nd International Conference of Nitrogen Cycling and Its Environmental Impacts in East Asia, Tsukuba, Japan, November 2018

- Extending SSP storylines to cover reduction of nitrogen pollution: The scenario approach of the International Nitrogen Management System (INMS). Workshop 6 Storylines for European Agriculture of the Landscape 2018 conference, Berlin-Adlershof, Germany, March 2018
- Future emissions and emission reduction scenarios for N₂O using IIASA's GAINS model. Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany, March 2018
- EPNB Guidance Document and its annexes. Workshop on German Nitrogen Budget, German Environment Agency (UBA), Berlin, Germany, May 2018
- Keeping the Earth System within safe boundaries: Technological challenges for the global Nitrogen cycle. Symposium on Empowering innovation tomorrow by basic research today. Austrian Institute of Technology, Vienna, Austria, June 2018
- Developing European emission ceilings and the context of agricultural activities: Emissions, scenarios, abatement. Center for Agricultural Resources Research, CAS, Shijiazhuang, China, November 2018
- Future emissions and emission reduction scenarios for N₂O using IIASA's GAINS model. National Institute for Environmental Studies (NIEAS), Tsukuba, Japan, November 2018

Organized events

Jens Borcken-Kleefeld

- Coorganiser of Laxenburger Energie- und Klimatag 2018. Gemeinde Laxenburg and IIASA, Laxenburg, Austria, May 2018

Janusz Cofala

- Coorganizer with UN-CLRTAP secretariat of a GAINS training workshop for the EECCA countries. IIASA, Laxenburg, Austria, October 2018

Zbigniew Klimont

- GAINS training workshop for Vietnamese Academy of Science and Technology (VAST) experts. IIASA/VAST, Laxenburg, Austria, April 2018
- First annual workshop of the EU funded Black Carbon Action project. IIASA, Laxenburg, Austria, May 2018
- GAINS training and discussion workshop for the Vietnamese Academy of Science and Technology (VAST) experts. IIASA/VAST, Laxenburg, Austria, August 2018
- GAINS training workshop for the Chinese group of experts from CREAS (Beijing) and Hebei province (China) within the PMEH World Bank programme and GAINS application to the Jing-Jin-Ji region in China, World Bank. Laxenburg, Austria, September 2018
- Haze and biomass burning in Asia – a systems perspective to reveal opportunities with benefits for long-term transformations. Conference organized under the joint project between IIASA and the Academy of Sciences Malaysia, Institut Teknologi Bandung (ITB), Bandung, Indonesia, October 2018
- GAINS training/discussion workshop with team from ITB in Bandung, Indonesia. Toyota Clean Air Project (TCAP) project, IIASA, Laxenburg, Austria, October 2018
- GAINS training workshop at the Vietnamese Academy of Science and Technology (VAST). Center for Training, Consultancy and Technology Transfer, Vietnam, October 2018

Pallav Purohit

- CEEW-IIASA roundtable on Pathways to achieving India's ambient air quality standards. Shakti Sustainable Energy Foundation, India Habitat Centre (IHC), New Delhi, March 2018

Fabian Wagner

- Coconvened, Session GC43F: Linkages Between Climate Policies and Multiple Sustainable Development Goals. Annual Meeting of the Geosciences Union, Washington, DC, USA, December 2018
- Coconvened, Session U52A: Geoscience Impact in a Complex World: Successful Collaboration with Social Scientists. Annual Meeting of the Geosciences Union, Washington, DC, USA, December 2018

Wilfried Winiwarter

- Coconvened, Session B034: Global and Regional Nitrous Oxide Budget: Data, Models, and Uncertainty. AGU Fall Meeting, Washington, DC, USA, December 2018

Advisory boards

Markus Amann

- Member of the Science Advisory Panel, 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, Asian Pacific Clean Air Partnership (APCAP)
- Head of the Centre for Integrated Assessment Modelling, Convention on Long-range Transboundary Air Pollution
- Scientific Advisor for the World Health Organization's First Global Conference on Air Pollution and Health, Geneva, Switzerland, October-November 2018

Jens Borken-Kleefeld

- Preparing for the future European Emission Standards on Light and Heavy Duty Vehicles. DG GROW, Brussels, Belgium, October 2018

Lena Hoglund-Isaaksson

- Member of the Scientific Committee of the 8th International Symposium on science, implementation and policy aspects of Non-CO2 Greenhouse Gases (NCGG8)
- Member of the Scientific Advisory Board for the EU LIFE project on ammonia and methane emissions

Zbigniew Klimont

- Member of the Global Emissions Initiative Scientific (GEIA) Steering Committee
- Member of the Steering Committee, Energy Modelling Forum (EMF 30)
- Member of the Advisory Board, LIFE project Clean Heat
- Member of the Scientific Committee of the 8th International Symposium on Non-CO2 Greenhouse Gases
- Lead Author of the Working Group I, IPCC AR6

Pallav Purohit

- Lead Author, The Hindu Kush Himalaya Assessment: Mountains, Climate Change, Sustainability and People, Springer-Nature, Switzerland AG
- Lead Country Contributor to Renewables 2018: Global Status Report published by REN21

Fabian Wagner

- Reviewer of research projects under the SPACE program of the 7th Framework Programme for Research and Technological Development (FP7) and H2020, Research Executive Agency of the EU
- Reviewer of one of their Knowledge and Innovation Community clusters, European Institute of Innovation and Technology
- Board of Directors, Theiss Research

Wilfried Winiwarter

- Chair of the Scientific Board ("Wissenschaftlicher Beirat") of the ATB, the Leibniz-Institut für Agrartechnik und Bioökonomie Potsdam-Bornim e.V.
- Advisory Panel Member for the projects ALISEN (FWF-funded project granted to the Institute for Social Ecology, Vienna), NitroClimAT (ACRP-funded project granted to the Institute of Water Management, Vienna)

Editorships

Jens Borken-Kleefeld

- Editor (2013 onwards), Land Transport for *ecoinvent* - Swiss Center for Life Cycle Inventories
- Associate Editor for Frontiers in *Environmental Science – Air Pollution*

Pallav Purohit

- Associate Editor (2010 onwards), *International Journal of Global Energy Issues* (IJGEI)
- Academic Editor (2009 onwards), *Sustainability*
- Academic Editor (2013 onwards), *Journal of Renewable Energy*

Fabian Wagner

- Associate Editor, *Carbon Management*

Wilfried Winiwarter

- Senior Editorial Advisor, *Environmental Research Communications*, IOP Publishing
- Editorial Board Member, *Aerosol and Air Quality Research* (Taiwan Association for Aerosol Research)
- Editorial Board Member, *Civil and Environmental Engineering Reports* (CEER), University of Zielona Gora Press, Poland