

## 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.
- The article "A multi-model assessment of the co-benefits of climate mitigation for global air quality" by Rao S, Klimont Z, et al. (2016) was selected by the editors of *Environmental Research Letters* for inclusion in the exclusive 'Highlights of 2016' collection of 30 papers. Papers are chosen on the basis of referee endorsement, originality, scientific impact, and breadth of appeal.

### Invited Lectures

#### *Markus Amann*

- Sources of ambient PM<sub>2.5</sub> in Austria. Stakeholder Meeting of the FP7 project Socio Economic Implications for Individual Responses to Air Pollution Policies in EU +27: 'Air quality – Between EU policy and every-day behavior'. Vienna, Austria, February 2016.
- Decision support tools relevant for controlling the hemispheric transport of air pollutants. Joint workshop of the Long-Range Transboundary Air Pollution Task Forces on Integrated Assessment Modelling and the Hemispheric Transport of Air Pollutants. Potsdam, Germany, February 2016.
- The Regional Integrated Assessment of Atmospheric Issues in the Asia-Pacific: Modelling scenarios for the assessment. Institute for Global Environmental Strategies /IIASA workshop: 'The Atmospheric Pollution, Climate Change Nexus in Asia: Implications for a New Development Agenda.' Hayama, Japan, February 2016.
- The Policy Application of the GAINS Approach to Formulate the EU Air and Climate Strategies. International workshop: 'Maximizing Co-benefits between Air Quality Management, GHG Mitigation and Energy Policy for Thailand'. Kings Monkutts University, Bangkok, Thailand, February 2016.
- The Regional Integrated Assessment of Atmospheric Issues in the Asia-Pacific Modelling scenarios for the assessment. 7<sup>th</sup> International Workshop on Atmospheric Modeling Research in East Asia, Chengdu, China, February 2016.
- Air quality management: Cost-effective solutions and multiple benefits. Peking University-IIASA workshop, Beijing, China, March 2016.
- Choosing options for action: Emission sources and impacts. Science-Policy Dialogue of the Climate and Clean Air Coalition, Washington DC, USA, March 2016.
- Cost-effectiveness analysis for the World Bank PMEH program. Ministry of Natural Resources and the Environment, Hanoi, Vietnam, April 2016.
- Challenges of air quality management in Europe and the approach taken for the current policy proposal. Socio Economic Implications for Individual Responses to Air Pollution Policies in EU +27 Final Conference, European Parliament, Brussels, April 2016.
- Recent model developments and scenario runs with the GAINS model. 45<sup>th</sup> Session of the Task Force on Integrated Assessment Modelling of the Convention on Long-range Transboundary Air Pollution, Lisbon, Portugal, May 2016.
- Air Pollution: How to avoid more than 1000s deaths per day. Launch of the Assessment Report of the Convention on Long-range Transboundary Air Pollution, Brussels, May 2016.
- Insights from recent air pollution scenarios for Asia. Asian-Pacific Clean Air Partnership Science Panel Meeting, Bangkok, June 2016.
- The GAINS cost-effectiveness analysis for air quality management planning. Ministry of Natural Resources and the Environment, Hanoi, Vietnam, June 2016.
- Air quality management: Cost-effective solutions and multiple benefits. Malaysian Academy of Sciences, Kuala Lumpur, Malaysia, September 2016.
- Dispersion modeling for AQM planning purposes. Chinese Research Academy for Environmental Sciences, Regional Air Quality Management Planning Workshop, Beijing, China, September 2016.
- Modelling social trends and inequalities. Annual session of the Steering Body of the European Monitoring and Evaluation Program under the Convention on Long-range Transboundary Air Pollution, Geneva, September 2016.
- An initial GAINS analysis for air quality management planning in Delhi. Technology Information, Forecasting and Assessment Council-IIASA workshop at the Central Pollution Control Board, Delhi, India, October 2016.
- EMEP and CCAC activities related to air quality and climate impacts. International Workshop of the World Meteorological Organization on 'Air Quality and Climate Impacts', New Delhi, India, October 2016.
- Mitigating near-term climate change. Center for International Climate and Environmental Research, Oslo workshop on 'The role of short-lived climate forcers in the global climate regime' Oslo, October 2016.
- Cost-effectiveness analysis for air quality management in Europe. 12<sup>th</sup> Annual China City Air Quality Management Workshop 'Science-based Air Quality Management Systems', Chengdu, China, November 2016.
- Modelling air quality and greenhouse gases. UK-IIASA workshop at the Royal Society, London, UK, December 2016.

- The role of AQM models in policy decision making and International experience on air quality management planning. World Bank PMEH Business Week – International Workshop on Air Quality Management for Jing-Jin-Ji and Surrounding Areas, Beijing, China, December 2016.

*Lena Höglund-Isaksson*

- Methane emissions and abatement potentials in the EU. European Environmental Bureau, Methane mitigation for clean air and climate protection, Scotland House, Brussels, February 2016.
- 2050 outlook and available pathways towards 1.5/2.0 degrees – how modelling can serve policy formulation. ClimaEast Workshop, Bratislava, June 2016.

*Gregor Kiesewetter*

- A Scalable Approach to Modelling Health Impacts of Air Pollution Based on Globally Available Data. 8<sup>th</sup> International Congress on Environmental Modelling and Software, “Supporting Sustainable Futures.” Toulouse, France, July 2016.

*Zbigniew Klimont*

- Global emission scenarios. Joint Workshop between Hemispheric Transport of Air Pollution and Arctic Monitoring and Assessment Programme. Potsdam, Germany, February 2016.
- The benefits of diesel vehicle regulation The Atmospheric Pollution, Climate Change Nexus in Asia: Implications for a New Development Agenda. Hayama, Japan, February 2016.
- International workshop on ‘Maximizing Co-benefits between Air Quality Management, GHG Mitigation and Energy Policy for Thailand’. Bangkok, February 2016.
- Potential for ammonia emission reductions in the European Union. Best-practices to reduce ammonia emission in the EU – World café discussions. Brussels, February 2016.
- Bridging science and policy; Application of integrated assessment models to address regional air pollution and near term climate change. IRAN-IIASA scoping workshop in the areas of energy, greenhouse gases and air pollution. Teheran, Iran, April 2016.
- Selected results summary, EMF30 (V2). EMF30/33 workshop. Stanford, USA, April 2016.
- Workshop on Condensables and Semi-Volatiles. Zagreb, Croatia, May 2016.
- The 17<sup>th</sup> joint meeting of the EIONET and UN/ECE Task Force on Emissions Inventories and Projections. Zagreb, Croatia, May 2016.
- Implementation of air pollution in national models. CD-LINKS, 2<sup>nd</sup> project meeting. Venice, May 2016.
- Exploring long-term evolution of SLCP emissions. Carbon Transparency Initiative – Stakeholder Meeting. Brussels, Belgium, May 2016.
- Using the GAINS model to identify feasible near-term mitigation measures. Climate Works annual non-CO<sub>2</sub> Summit. Genova, Italy, June 2016.
- Integrated History and Future of People on Earth. IIASA, Laxenburg, October 2016.
- Bridging science and policy. Pollution Management and Environmental Health World Bank program; Air Quality Management in Vietnam. Hanoi, Vietnam, November 2016.
- The GAINS cost-effectiveness analysis for air quality management planning. Pollution Management and Environmental Health World Bank program; Air Quality Management in Vietnam. Hanoi, Vietnam, November 2016.
- The GAINS-PMEH cost-effectiveness analysis tool; State of implementation for Larger Hanoi Metropolitan Area. Pollution Management and Environmental Health World Bank program; Air Quality Management in Vietnam. Hanoi, Vietnam, December 2016.

*Pallav Purohit*

- Co-benefits of managing future air quality in Delhi. Technology Information, Forecasting and Assessment Council side-event on “Climate Change and Health in Indian Cities” at India Pavilion, 22<sup>nd</sup> Conference of the Parties (COP 22) to the UN Framework Convention on Climate Change, Marrakech, Morocco, November 2016.

*Wilfried Winiwarter*

- Interlinkages between Planetary Boundaries and Nitrogen Use Efficiency – policy relevant results. Presented at the international workshop Planetary Boundaries and Resource Efficiency – A Science Policy Dialogue, Potsdam, February 2016.
- Nitrogen from agricultural field to the coastal ocean – the concept of nitrogen budgets and possible contributions of research infrastructures. 2<sup>nd</sup> ENVRI week, Zandvoort, the Netherlands, May 2016.
- The International Nitrogen Initiative – policy relevant research on environmental impacts of nitrogen compounds. Kick-off meeting of the Doctoral Programme “Microbial Nitrogen Cycling – From Single Cells to Ecosystems”. Klosterneuburg, Austria, June 2016.
- The role of the Nitrogen cycle in integrated modelling (keynote). 5<sup>th</sup> International EcoSummit, Montpellier, France, August-September 2016.
- Nitrogen budget: a tool to validate information on nitrogen fluxes (keynote). 7<sup>th</sup> International Nitrogen Conference, Melbourne, Australia, December 2016.

## Organized Events

### *Zbigniew Klimont*

- GAINS training/discussion workshop, Toyota Clean Air Project, IIASA, Laxenburg, September 2016.

### *Pallav Purohit*

- Council on Energy, Environment and Water-IIASA side event on “Economy-wide Cost of HFC phase-down in India” at the 38<sup>th</sup> Meeting of the Open-ended Working Group of the Parties to the Montreal Protocol, Vienna International Centre, Vienna, Austria, July 2016.

### *Fabian Wagner*

- Annual Fall Meeting of the American Geophysical Union, Session on Co-benefits of air pollution and greenhouse gas mitigation, San Francisco, USA, December 2016.
- American Geophysical Union, Outstanding Student Poster Award Session Coordinator.

### *Wilfried Winiwarter*

- “Modelling Nitrogen Use Efficiency in China and globally”, IIASA, Laxenburg, February 2016.
- Convenor: CCCA-KKL workshop: Austrian science contributions to Intergovernmental Panel on Climate Change, Austrian Academy of Sciences, Vienna, July 2016.
- Scientific committee: 19<sup>th</sup> Nitrogen workshop, Skara, Sweden, June 2016.

## Advisory Boards

### *Markus Amann*

- Member of the Science Advisory Panel of the Climate and Clean Air Coalition.
- Member of the Science Advisory Group of the Asian Pacific Clean Air Partnership.
- Member of the Commission on Climate and Air Quality, Austrian Academy of Sciences.
- Head of the ‘Centre for Integrated Assessment Modelling’ 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.

### *Zbigniew Klimont*

- Member of the Global Emissions Initiative Scientific 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*

- Policy advice on hydrofluorocarbon phase-down to the Ozone Cell, Ministry of Environment, Forest & Climate Change (MoEFCC), Government of India.

### *Fabian Wagner*

- Research Executive Agency of the EU, Reviewer of research projects under the SPACE program of FP7.

### *Wilfried Winiwarter*

- Director, European Centre of the International Nitrogen Initiative.
- Member of the Scientific Board of the ATB, the Leibniz-Institut für Agrartechnik und Bioökonomie Potsdam-Bornim e.V.
- Deputy Chair, Commission of Climate and Air Quality of the Austrian Academy of Sciences.

## Editorships

### *Jens Borken-Kleefeld*

- Editor for the *Swiss Life Cycle Inventory Database ecoinvent*

### *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*

- Editorial board member for *Carbon Management*

### *Wilfried Winiwarter*

- Guest editor, *Environmental Research Letters*, focus issue on “Nitrogen Management Challenges: From Global to Local Scales.”