

## Scientific Recognition: Mitigation of Air Pollution and Greenhouse Gases

### Markus Amann

- Member of the Science Advisory Panel of the Climate and Clean Air Coalition
- 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
- 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

#### *Invited talks:*

- Links between air pollution, climate, water pollution, and stratospheric ozone depletion: The current status of GAINS modelling International Nitrogen Management Modelling Advisory Group, Edinburgh, 13 January 2015
- The origin of PM<sub>2.5</sub> in ambient air in European cities. European Parliament, 22 January 2015
- The HTAP scenarios: Key features and comparison with RCP scenarios. Long-range Transboundary Air Pollution Hemispheric Task Force on Air Pollution, Workshop on Global Emission Scenarios, IIASA, 11-13 February 2015
- Towards an epistemic community on air pollution in Asia - Experience from Europe. Asia-Pacific Clean Air Partnership Consultation on Establishing a Science Panel, Tokyo, 9-10 March 2015
- Experience from the science-policy interface in Europe. Symposium on 'Bridging Atmospheric Science and Policy in Asia', Tokyo, 10-11 March 2015
- Cost-effectiveness analysis with the GAINS model – Methodology and policy applications in Europe. Workshop on Pollution Management and Environmental Health, Johannesburg, South Africa, 25-27 March 2015
- Updated cost-effectiveness analyses for the EU Clean Air Policy Package. Long-range Transboundary Air Pollution Task Force on Health 18th Session, Bonn, 14-15 April 2015
- Modelling ammonia emissions from agriculture. Long-range Transboundary Air Pollution Task Force on Integrated Assessment Modelling, 44th Session, Edinburgh, 6 May 2015
- Some insights from an integrated analysis of air pollution control strategies. World Health Organization/Climate & Clean Air Coalition Urban Health Initiative Workshop, Morges, Switzerland, 12-14 May 2015
- Cost-effectiveness analyses for the EU Clean Air Policy Package. Long-range Transboundary Air Pollution Task Force on Integrated Assessment Modelling 44th Session, Edinburgh, 16-18 May 2015
- Quantifying Benefits: How to characterize multiple impacts in order to choose the best policies and demonstrate success. Science-Policy Dialogue of the Climate and Clean Air Coalition, Geneva, 20-21 May 2015
- Modelling PM<sub>2.5</sub> health impact indicators in Europe: Health effects and legal compliance. Stakeholder workshop 'La Valutazione Integrata dell'Impatto dell'Inquinamento atmosferico sull'Ambiente e sulla Salute in Italia', Ministry of Health, Rome, Italy, 4 June 2015
- Cost-effective measures to reduce premature mortality from air pollution in Europe with multiple benefits. Public event on 'Sustainable food production and air pollution: reducing emissions generates many benefits' Milano Expo 2015, Milano, 10 July 2015
- Aktualisierte NEC Reduktionsziele - Die Ergebnisse der bilateralen Konsultationen mit Experten der EU Mitgliedsstaaten. Stakeholder Workshop organized by The Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management, Vienna, 10 September 2015
- Identifying effective policy intervention options with health and other benefits. Global Platform on Air Pollution and Health, World Health Organization, Geneva, 24 August, 2015
- Avoided air pollution impacts 1990-2010. Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe Steering Body, Geneva, 14-17 September 2015
- Reducing health impacts from air pollution: Effective policy interventions from focusing on PM<sub>2.5</sub>. First Consultation Meeting on the Vietnam National Action Program for Air Quality Management, HaNoi, 24 September 2015
- SLCPs: Climate mitigation measures with co-benefits or Measures with climate co-benefits? Workshop on "The role of SLCPs in the global climate regime", Oslo, 14 October 2015
- Systems analysis for policy decisions: Lessons from the science-policy interface on air quality in Europe. IIASA Systems Analysis Conference, Laxenburg, 13 November 2015
- Cost-effectiveness analysis for Urban Air Quality Management. Steering Group of the Pollution Management and Environmental Health program, Cairo, 15 November 2015
- Recent scientific insights with relevance for air quality management in Asia. Asia-Pacific Clean Air Partnership, Joint Forum First Meeting, Bangkok, Thailand, 26-27 November 2015

### Jens Borcken-Kleefeld

- Editor for *Ecoinvent* – Life Cycle Inventory Database, responsible for Surface Transport. <http://www.ecoinvent.org>
- Outstanding reviewer for *Atmospheric Environment*
- Numerous media interviews in 2015 concerning high on-road diesel emissions and their implications, including *The Wall Street Journal*, *Bloomberg Business News*, *New York Times*, *Associated Press*, *Reuters*, *Environmental Health*

### Lena Höglund-Isaksson

- Member of the Arctic Monitoring and Assessment Programme (AMAP) Short-lived Climate Forcers Expert Group for Methane of the Arctic Council
- Lead author of a chapter on anthropogenic methane emissions in AMAP Assessment 2015: Methane as an Arctic climate forcer. AMAP, Oslo, Norway. vii + 139 pp

#### *Invited talks:*

- Options to reduce methane emissions from EU agriculture in 2030: GAINS model (2015 version). Workshop on “Technological GHG emission mitigation options in agriculture” Joint Research Council Institute for Prospective Technological Studies, Seville, 17 April 2015
- Non-CO<sub>2</sub> GHGs in EU-28 to 2050: GAINS 2050 Reference scenario. 3<sup>rd</sup> meeting of the EU Reference scenario experts group, Brussels, 17 December 2015
- Methane mitigation –do we need policies or will it happen anyway? Hemispheric Transport of Air Pollutants Workshop, Laxenburg, 12 February 2015

### Zbigniew Klimont

- Member of the Steering Committee, Global Emissions Initiative. [www.geiacenter.org](http://www.geiacenter.org)
- Member of the Steering Committee of the Energy Modelling Forum (EMF 30: Short Lived Climate Forcers/Air Quality)
- Member of the Advisory Panel of Community Emissions Data System. <http://www.globalchange.umd.edu/CEDS/>
- Coordinating lead author and lead author of several chapters in the forthcoming United Nations Environment Programme/Climate & Clean Air Coalition “Latin America and Caribbean Regional Assessment of Short-Lived Climate Pollutants”
- Thomson Reuters Highly Cited Researcher 2015 <http://highlycited.com/>

#### *Invited talks:*

- Progress in development and application of the GAINS model in Asia. Bridging Atmospheric Science and Policy in Asia Workshop, Tokyo, Japan, 10-11 March
- Global and regional black carbon mitigation opportunities. Improving BC Emissions Estimates and Abatement, TFEIP/US-DOE Workshop, Milan, Italy, 13-14 May
- Are we ‘misusing’ the missing data? Comments about residential sector data and examples of their use. Snowmass Workshops: Climate Change Impacts and Integrated Assessment XXI (CCI/IA), Snowmass, USA, 21-24 July
- Emissions from flaring in global and regional assessments; Emissions, climate impacts, mitigation opportunity. 4<sup>th</sup> GGFR Global Forum: Gas Flaring Reduction Solutions, Khanty-Mansiysk, Russian Federation, 9-10 September
- The progress in modelling to support the LAC regional assessment. Integrated Assessment of Short-Lived Climate Pollutants in Latin America and the Caribbean; Meeting on Policy Perspectives for the Regional Assessment on Short-Lived Climate Pollutants, Mexico City, Mexico, 21-22 September
- New emission scenarios for air pollutants and methane for Latin America and Caribbean. 17<sup>th</sup> Global Emissions Initiative Conference, Beijing, China, 17-19 November
- Developing emission scenarios for air pollutants and methane for Latin America and Caribbean Assessment. Asia Pacific Clean Air Partnership Science Panel and Authors Meeting, Bangkok, Thailand, 24-25 November

### Pallav Purohit

- Associate Editor, *International Journal of Global Energy Issues*
- Editorial Board Member for *Sustainability*, *Innovative Energy and Research*, *International Journal of Sustainable and Green Energy*, and *Journal of Renewable Energy*
- Lead Author on “Hydrofluorocarbons (HFC) emissions in Latin America and the Caribbean (LAC) region” to the United Nations Environment Programme’s (UNEP’s) Regional Assessment of Short-Lived Climate Pollutants (SLCPs) in LAC region
- Lead Author, “UNEP report on Green Energy Choices: The benefits, risks, and trade-offs of low-carbon technologies for electricity production”
- Lead Author, “UNEP report on “Biofuel Roadmap for India”
- Lead Country Contributor (India) to “Renewables 2015: Global Status Report” published by the Renewable Energy Policy Network for the 21<sup>st</sup> Century

- Contributor and Reviewer for "Southern African Development Community (SADC) Renewable Energy and Energy Efficiency Status Report 2015" published by the Renewable Energy Policy Network for the 21<sup>st</sup> Century

### *Invited talk:*

- Alternative policy scenarios for phasing-out HFC's in India. India's Long-term Hydrofluorocarbons Emissions - Modelling Results and Alternate Policy Scenarios Workshop, New Delhi, 23 February 2015

### **Fabian Wagner**

- Visiting Professor, Andlinger Center for Energy and the Environment, Princeton University
- Visiting Professor, Woodrow Wilson School for Public and International Affairs, Princeton University
- Associate Editor *Carbon Management*
- Guest Editor for *Technological Forecast and Social Change* (September 2015 Issue)

### *Invited talk:*

- Plausibility of national scenarios. Sustainable Development Solutions Network workshop on Nuclear Energy, Columbia University, New York City, USA, 9 April 2015

### **Wilfried Winiwarter**

- Member and Deputy Chair of the Climate and Air Quality Commission (KKL) of the Austrian Academy of Sciences
- Director of the European Centre of the International Nitrogen Initiative, an International Geosphere-Biosphere Programme-Scientific Committee on Problems of the Environment project
- Member of the Scientific Board (Wissenschaftlicher Beirat) of the ATB, the Leibniz-Institut für Agrartechnik Potsdam-Bornim e.V.
- Member of the EU Nitrogen Expert Panel, an independent consortium bringing together expertise of academia, policy, and industry
- Faculty member of the Doctoral Programme "Climate change" at the University of Graz
- Editorial board member: *Aerosol and Air Quality Research* (Taiwan Association for Aerosol Research)

### *Invited talks:*

- Technological options for Nitrous oxide mitigation. Workshop on "Technological GHG emission mitigation options in agriculture" Joint Research Council Institute for Prospective Technological Studies, Seville, 17 April 2015
- ECLAIRE policy scenarios of cost-optimized options for vegetation protection. Presented at the 25<sup>th</sup> Coordination Centre for Effects Workshop and 31<sup>th</sup> Task Force Meeting of the International Cooperative Programme Modelling and Mapping, Zagreb, Croatia, 20-23 April 2015
- Integrated approaches to assess and to intervene into the nitrogen cascade. "Developing a National Nitrogen Strategy", Nitrogen Expert Workshop, BMU, Berlin, 30 October 2014