

Scientific Recognition: Mitigation of Air Pollution & Greenhouse Gases

Awards, Invited lectures, Memberships, Editorships, etc.

Markus Amann

Invited lectures

- Challenges for reducing fine particulate matter in Europe. Invited Keynote, Conference “Cleaner Air for European Cities,” Bratislava, Slovakia, 14 February 2013
- Modelling Greenhouse gas – Air pollution Interactions and Synergies: Recent developments of GAINS. Workshop “Translating Co-benefits Research into Action in Asia”, Institute for Global Environmental Strategies (IGES), Hayama, Japan; 18-19 February 2013
- The potential for further emission reductions in the EU. Air Science-Policy Forum of the Irish EU Presidency, Dublin, Ireland, 15 April 2013
- Experience with PM2.5 control in Europe. Invited Keynote, Workshop “Air Quality Management in Beijing,” Beijing Municipal Government, Beijing, China, 10 May 2013
- Current and future emissions of air pollutants and climate forcers in the EU. Conference “Air Quality and Climate Change Policies – Separate or Joint Challenges,” Brussels, 21 May 2013
- Cost-effectiveness analysis of further emission controls for the revision of the Thematic Strategy on Air Pollution. Invited Keynote “Green Week 2013”, Brussels, 4-5 June 2013
- Cost-effectiveness analyses for the revision of the EU Thematic Strategy for Air Pollution. World Health Organization, Bonn, 12 June 2013
- Beyond present air pollution and climate Change policies. Invited Keynote, Conference “Taking international air pollution policies into to the future”, Gothenburg, Sweden, 24-26 June 2013
- Black carbon emissions and sources. Workshop “Short-lived climate forcers.” Global oil and gas industry association for environmental and social issues (IPIECA), Rome, Italy, 8-9 October 2013
- Co-benefits of air quality controls on climate change – Institute for Atmospheric Physics, Beijing, China, 15 November 2013
- Experience on air pollution prevention and control of Europe. Invited Keynote at Air Quality Management Forum, Energy Foundation, Beijing, China, 16 November 2013

Memberships

- 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
- Head of the “Centre for Integrated Assessment Modelling” of the Convention on Long-range Transboundary Air Pollution

Young-Hwan Ahn

Invited lectures

- The Twin Challenges of GHG Emission Reduction and Sustainable Energy. Inaugural Conference of the Sustainable Development Solution Network (SDSN)-Korea Forum, Seoul, Korea, October 2013
- The GAINS Model and Its Applications. 2nd International Workshop on Integrated Approach for Climate Change and Air Pollution, National Institute of Environmental Research(NIER) of Korea, Konkuk University, and The Korean Society of Climate Change Research. Seoul, Korea, November 2013

Jens Borken-Kleefeld

Awards:

- Environmental Science & Technology best policy paper of 2013: Borken-Kleefeld, Fuglestvedt & Berntsen: “Mode, Load, And Specific Climate Impact from Passenger Trips” (2013) DOI: 10.1021/es4003718 EMBARGO until 10 March 2014)

Invited lectures:

- Sensitivitätsbetrachtungen zur NO_x-Entwicklung in der EU. Fachtagung Verkehrsemissionen of the Swiss Society of Air Protection Officers, Zurich/CH, 19 November 2013
- Remote Sensing Data: Möglichkeiten und Grenzen. Fachtagung Verkehrsemissionen of the Swiss Society of Air Protection Officers, Zurich/CH4, 19 November 2013

Editorship

- Editor for Ecoinvent – Life Cycle Inventory Database, responsible for Surface Transport. <http://www.ecoinvent.org>

Lena Höglund-Isaksson*Invited lectures*

- "Why refund emission payments to the polluters? Lessons learnt from the Swedish NOx charge", Invited Guest speaker, ISIS Science Talk, 30 October 2013, University of Graz, Austria
- "Global CH4 emissions from fossil fuel production and use", Arctic Council AMAP Methane expert group meeting, Reykjavik, 24-25 October 2013

Membership

- Member of the AMAP SLCP Expert Group for Methane of the Arctic Council

Zbigniew Klimont*Invited lectures*

- Developing consistent mid-term emissions projections of SLCPs in GAINS model. Workshop "Translating Co-benefits Research into Action in Asia", IGES, Hayama, Japan, 19-20 February 2013
- Black carbon emission sources, trends, and mitigation potential: State of knowledge and needs for further research. Workshop "Black Carbon – Cutting across climate and air quality issues", Paris, France, 21 March 2013
- Update on measures since UNEP/WMO Assessment. Workshop "Cryosphere Action Plan", Copenhagen, 15-16 April 2013
- Emissions of air pollutants in China: Towards improved understanding of changes in the last and next two decades. 2013 China Emissions Workshop, Beijing, China, 27-28 June 2013

Membership

- Member of the Steering Committee, Global Emissions Initiative (GEIA) www.geiacenter.org

Kaarle Kupiainen*Invited lectures*

- Emissions of Black Carbon in Europe. Invited speech, 16th International Union of Air Pollution Prevention and Environmental Protection Associations (IUAPPA), South Africa.
- Impacts of Finnish Air Pollutants and GHGs with Different Emission Metrics. Proceedings of the 16th International Union of Air Pollution Prevention and Environmental Protection Associations (IUAPPA). ISBN: 978-0-620-58320-6.

Pauli Paasonen*Membership*

- Member of the editorial board of The Scientific World Journal, subject area of Atmospheric Sciences

Pallav Purohit*Invited lectures*

- Opportunities for integrated policy design - applications of the GAINS India Tool. Council on Energy, Environment and Water (CEEW), New Delhi, 18 December 2013
- Carbon finance potential of renewable energy technologies in India. Short-term course on Economics and Financing of Renewable Energy Technologies, Indian Institute of Technology (IIT) Delhi, 25 July 2013
- Impact of current policies on future air quality and health outcomes in Delhi, India. European Geosciences Union (EGU) General Assembly 2013, Vienna, Austria, 7-12 April 2013

Editorships/author

- Associate Editor, International Journal of Global Energy Issues (IJGEI)
- Editorial Board Member for Sustainability, American Journal of Electrical Power and Energy Systems (EPES), The Open Renewable Energy Journal (TOREJ), International Journal of EnviroScience.
- Lead author, UNEP report on Second generation biofuel potential in India: Sustainability and cost considerations. UNEP Risø Centre on Energy, Climate and Sustainable Development, Copenhagen (forthcoming – March/April 2014).
- Lead author, UNEP report on Low-Carbon Technologies for Electricity Production: Environmental benefits, risks, and trade-offs. International Resource Panel (IRP), United Nations Environment Programme (UNEP), Paris (forthcoming – October/November 2014).

Peter Rafaj*Invited lectures*

- Integrated assessment models: GAINS and MESSAGE. 3rd EnerGEO Summer School, Utrecht NL, 17 October 2013
- Benefits of climate policies for mercury pollution: the EnerGEO scenarios. EnerGEO Final Conference, Utrecht NL, 24 October 2013

Fabian Wagner*Editorships/author*

- Associate Editor, Carbon Management
- Lead Author for the IPCC 2013 Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol

Wilfried Winiwarter*Invited lectures:*

- Integrated assessment modelling of nitrogen compounds in the environment in support of international conventions and protocols. First BASF Fireside Chat on Nitrogen, St. Johann, Albersweiler, Germany, 9 – 10 April 2013
- Integrierte Modellierung von Luft-Boden Interaktionen mit dem GAINS Modell: Forschung und Anwendung. Bodenforum Österreich, Herbsttreffen 2013, Graz, Austria, 16 October 2013
- Trace constituents in the atmosphere – a contribution to the Austrian Assessment Report. Presentation for the IFZ, Alpe-Adria University, Graz, Austria, 26 February 2013.

Memberships

- Member and Deputy Chair of the Commission on Climate and Air Quality, Austrian Academy of Sciences
- Appointed full professor of systems sciences at the University of Graz
- Director of the European Centre of the International Nitrogen Initiative (INI), an IGBP-SCOPE project
- Co-chair of the Expert Panel on Nitrogen Balances, LRTAP Task Force on Reactive Nitrogen

Member of the editorial boards of:

- Greenhouse Gas Measurement & Management (Earthscan journals)
- Aerosol and Air Quality Research (Taiwan Association for Aerosol Research)
- Systema. Connecting matter, life, culture and technology (ISSN: 2305-6991).