Program Day 1

Wednesday November 5th

9:00	**PLENARY SESSION – room "University of Amsterdam 2-4"** **Chair: Carolien Kroeze**, Assistant: Maryna Strokal **Dr Niklas Höhne** (Ecofys Germany and Wageningen University, The Netherlands): **Wedging the gap: the role of non-CO_2 greenhouse gases in ambitious emission reductions** **Kiyoto Tanabe** (IPCC TFI TSU): **IPCC Guidelines and UNFCCC: Share and trends of non-CO_2 greenhouse gases in reported national emission inventories**						
10:30	**Break**						
	Parallel Sessions Room 1 "University of Amsterdam 1"	Parallel Sessions Room 2 "Stellenbosch"	Parallel Sessions Room 3 "Sorbonne"		Parallel Sessions Room 4 "Oxford"	Parallel Sessions Room 5 "Erasmus 2"	Parallel Sessions Room 6 "Erasmus 1"
	Session 1A: Improving and building a national agricultural GHG emission inventory – focus on N_2O emissions from agricultural soils *Chair: Ute Skiba & Adrian Leip* *Assistant: Lena Schulte-Uebbing*	**Session 2A: Emissions from transport** *Chair: Hans Oonk* *Assistant: Cao Zijing*	**Session 3A: Harmonization and development of historical emission inventory** *Chair: Hugo Denier van der Gon & Katerina Sindelarova* *Assistant: Faith Mutavi*		**Session 4A: Shortlived gases** *Chair: Tinus Pulles* *Assistant: Marijke van Hengel*	**Session 5A: Monitoring** *Chair: Carl Brenninkmeijer* *Assistant: Sajendra Bajracharya*	
11:00	**Inventory improvement in the agriculture sector: challenges and opportunities** *Velina Pendolovska (EC-DG CLIMA)*	**Aircraft NO_x emission inventories – the importance of representing cruise altitudes accurately** *Agnieszka Skowron, David S. Lee and Ruben R. De León*	**First Steps in the Development of a Community Historical Emission Inventory** *Gregory J. Frost, Steven Smith, Claire Granier and Jean-Francois Lamarque*	11:00	**Black carbon in the Arctic: How well is it captured by models?** *Sabine Eckhardt, Terje Berntsen, Ribu Cherian, Nikos Daskalakis, Chris Heyes, Øivind Hodnebrog, Maria Kanakidou, Zbigniew Klimont, Kathy Law, Marianne Lund, Gunnar Myhre, Stelios Myriokefalitakis, Dirk Olivie, Johannes Quaas, Boris Quennehen, Jean-Christophe Raut, Bjørn Samset, Michael Schulz, Ragnhild Skeie and Andreas Stohl*	**Sample air drying system implemented at three stations of the IC3 climatic monitoring network** *Alba Àgueda, P. Occhipinti, J.A. Morguí, R. Curcoll, M. Nofuentes, C. Grossi, O. Batet, L. Cañas and X. Rodó*	
11:20	**IPCC Emission Factor Database** *Baasansuren Jamsranjav (IPCC TFI TSU)*	**GHGs emission due to the ships traveling (Case study: Khure Mosa, Southwest of Iran)** *Mohammad Sadegh Sekhavatjou, J. Khalifeh and A. Hosseini Alhashemi*	**A Community Data System for Historical Emissions** *Steven J. Smith*	11:20	**Emission metrics and Sea Level Rise: Even short-lived climate pollutants have long-lived climate impacts** *Erik Sterner, Daniel Jan Anders Johansson and Christian Azar*	**Performance test of an improved FTIR analyzer for simultaneous high precision observation of ambient concentrations of greenhouse gases** *Alex Vermeulen, Arjan Hensen, Pim van den Bulk, Marie Laborde, Felicity Sharp and David Griffith*	
11:40	**Regional emission factors from recently available data collections of N_2O plot scale measurements – a possibility to reduce uncertainties in IPCC reporting of direct N_2O emissions from soils?** Rene Dechow, Thomas Leppelt and Katrin Brautzsch	**New developments in global warming potentials for aviation NO_x emissions** *Agnieszka Skowron and David S. Lee*	**Trends and uncertainties in emissions of ozone-depleting substance** *Guus J.M. Velders and John S. Daniel*	11:40	**Norway's action plan on SLCPs – work in the interface between research and policy** *Vigdis Vestren, Maria Malene Kvalevåg and Solrun Figenschau Skjellum*	**Building a new digital air archive for non-CO_2 greenhouse gases in the Northern Hemisphere** *Andreas Engel, J.Hoker, M. Denner, F. Obersteiner and H. Bönisch*	
12:00	**Nitrous Oxide Emissions from Inverse Modelling: Current Capabilities and Outlook** *Rona L. Thompson, P. Bergamaschi, U. Karstens, K. Ishijima, E. Saikawa and P. Patra*		**Merging the Global Fire Emissions Database (GFED4) with estimates of past fire activity** *G.R. van der Werf, W. Knorr, M.J.E. van Marle, and J. W. Kaiser*	12:00	**Climate impact of short-lived climate forcers: A case study of emissions from Norway** *Øivind Hodnebrog, Borgar Aamaas, Terje K. Berntsen, Jan S. Fuglestvedt, Gunnar Myhre, Bjørn H. Samset and Amund Søvde*	**Direct greenhouse gases observations in Russia: some results from field campaigns and stations** *Andrey I. Skorokhod, I.B. Belikov, N.A. Pankratova, V.M. Kopeikin, V.S. Rakitin, K.B. Moiseenko, A.V. Vasileva and N.F. Elansky*	
12:20	**Overview of US Agricultural Soil GHG Inventories** *Stephen Del Grosso*						
12:40	**Lunch**			12:40	**Lunch**		
	Session 1B: Improving and building a national agricultural GHG emission inventory – focus on N_2O emissions from agricultural soils *Chair: Ute Skiba & Adrian Leip* *Assistant: Melissa Cuevas Romero*	**Session 2B: F Gases** *Chair: Martin Vollmer* *Assistant: Cao Zijing*	**Session 3B: Identification of new sources and estimation of their emissions** *Chair: Hugo Denier van der Gon & Katerina Sindelarova* *Assistant: Eugenie van der Harst*		**Session 4B: IUAPPA Meeting** *Chair: TBD* *Assistant: Sajendra Bajracharya*	**Session 5B: Monitoring** *Chair: Alex Vermeulen* *Assistant: Marijke van Hengel*	
14:00	**Improving the UK Agriculture Greenhouse Gas Emission Inventory** *T.H. Misselbrook, S.G. Anthony, D.R. Chadwick, J.M. Moorby, C.A. Jones and L. Spadavecchia*	**New halogenated substances in the atmosphere; Atmospheric budget and sources of HCFC-31** *Fabian Schönenberger, Martin K. Vollmer, Stefan Reimann, Stephan Henne, Tae Siek Rhee and Thomas Peter*	**Lost in Translation (Updated global estimates of BC emissions including so far poorly quantified sources)** *Zbigniew Klimont*	14:00	**IUAPPA Meeting**	**Global scale monitoring of nearly all non-CO_2 greenhouse gases by the CARIBIC-Lufthansa aircraft observatory** *Carl Brenninkmeijer, Taku Umezawa, Emma Leedham, Angela Baker, Armin-Rauthe-Schöch, Ute Thorenz, Davids Oram, Johannes Laube, Bill Sturges, Andreas Zahn and Peter van Velthoven*	
14:20	**Tier 2 development and ongoing improvements of N_2O EF's in NZ (mainly intensively managed grasslands)** *Cecile de Klein*	**Halogenated anaesthetics in the global atmosphere** *Martin K. Vollmer, Tae Siek Rhee, Fabian Schoenenberger and Stefan Reimann*	**Gas flaring emissions in Africa from 1960 to 2011 and comparison with current inventories** *T. Doumbia, L. Granier, C. Liousse, C. Granier, R. Rosset, T. Oda and C. Elvidge*	14:20		**Evaluation of new analytical techniques for high-precision in-situ measurements of Nitrous Oxide in the atmosphere** *Benjamin Lebegue, M. Schmidt, S. Belviso, M. Ramonet, B. Wastine and O. Laurent*	
14:40	**Higher tier development of methane and nitrous oxide emission factor in tropical rice field using measurement data and model application** *Sirintornthep Towprayoon, Nittaya Cha-un, Tassanee Jiapasuanan and Amnat Chidthaisong*	**Recent and future trends in synthetic greenhouse gas radiative forcing** *Matthew Rigby, R.G. Prinn, S. O'Doherty, B.R. Miller, D. Ivy, J. Mühle, C.M. Harth, P.K. Salameh, T. Arnold, R.F. Weiss, P.B. Krummel, L.P. Steele, P.J. Fraser, D. Young and P.G. Simmonds*	**Sources and estimated volume of release of methane into atmosphere from Azerbaijan territory** *Akper A. Feyzullayev*	14:40		**Rapid estimation of GHG emissions using simplified statistic modelling** *Anton V. Malygin and Alexander I. Nakhutin*	
15:00	**Influence of chosen soil N2O emission factors on total GHG emissions from dairy farms as estimated by HolosNor** *Sissel Hansen, Helge Bonesmob and Odd Magne Harstad*	**Top-down European emission estimates of F-gases based on long-term high frequency measurements and a Bayesian inversion method** *Michela Maione, Francesco Graziosi, Umberto Giostra, Igor Arduini and Francesco Furlani*	**African combustion emission inventory: specificities and uncertainties** *Liousse C, E. Assamoi, E.T. N'Datchoh, T. Doumbia, L. Granier, P. Criqui, L. Roblou, C. Granier, A. Konare, R. Rosset, G. Van Der Werf, and J.W. Kaise*	15:00		**In-situ measurements of stable methane isotopes at Cabauw (Netherlands)** *M. E. Popa, C. van der Veen and T. Röckmann*	
15:20	**FAO Estimates of GHG Emissions from Agriculture: Pushing the limits of IPCC 2006 Tier 1** *Francesco Tubiello*	**How policy affects the atmosphere—insights into the transition from HCFCs to HFCs from global atmospheric observations** *Stephen A. Montzka, B.R. Miller, L. Hu, J. Elkins, B.D. Hall and S.O. Andersen*		15:20		**A Comparison of GHG Flux Measurements by Relaxed Eddy Accumulation and Eddy Covariance Methods Using FTIR and QCL Analyzers** *Marie Laborde, Alex Vermeulen, Arjan Hensen, Pim van den Bulk, Daniela Famulari, Hella Van Asperen, Thorsten Warneke, David Griffith and Eiko Nemitz*	
15:40	**Break**			15:40	**Break**		
	Session 1C: Improving and building a national agricultural GHG emission inventory – focus on N_2O emissions from agricultural soils *Chair: Ute Skiba & Adrian Leip* *Assistant: Cao Zijing*	**Session 2C: F Gases** *Chair: Martin Vollmer* *Assistant: Melissa Cuevas Romero*	**Session 3C: CH_4 Agriculture** *Contact: André van Amstel* *Assistant: Eugenie van der Harst*		**Session 4C: Short lived Gases** *Chair: Sabine Eckhardt* *Assistant: Marijke van Hengel*	**Session 5C: Monitoring** *Chair: Carl Brenninkmeijer* *Assistant: Fan Dan*	**Session 6C: EFCA Meeting (closed meeting)** *Assistant: Sajendra Bajracharya*
16:10	**An overview of IPCC methodological guidance on estimation of nitrous oxide (N_2O) emissions from agricultural soils** *Baasansuren Jamsranjav (IPCC TFI TSU)*	**Trends in Emissions of Fluorinated GHGs Reported under the Greenhouse Gas Reporting Program: Patterns and Potential Causes** *Deborah Ottinger, Sally Rand, Mollie Averyt and Deborah Harris*	**Methane emission reduction from storage of manure-slurry** *Hans Oonk, Jan Koopmans, Christoph Geck, Bas Peters, Jan van Bergen*	16:10	**The Role of Short-Lived Climate Forcers (Ozone, Black Carbon and Co-Emitted Species) for Climate Change in the Arctic** *Patricia Quinn and Andreas Stohl*	**Real-time measurements of nitrous oxide isotopomers at a tall tower: Identifying sources and hot spots in Switzerland** *Eliza Harris, Stephan Henne, Ralf Kiese, Klaus Butterbach-Bahl, Lukas Emmenegger and Joachim Mohn*	**EFCA MEETING**
16:30	**The calculation of greenhouse gas emissions in the European agricultural sector; how much does the method matter?** *Gema Carmona-Garciaand Adrian Leip*	**Why are global HFC emissions under-reported?** *Mark F. Lunt, M. Rigby, A.J. Manning, S. O'Doherty, R. Prinn, T. Saito, Y. Yokouchi, J. Kim, J. Mühle, C.M. Harth, P.K. Salameh, T. Arnold, R.F. Weiss, P.B. Krummel, L.P. Steele, P.J. Fraser, S. Li, S. Park, K.R. Kim, S. Reimann, M.K. Vollmer, C. Lunder, O. Hermansen, N. Schmidbauer, D. Young and P.G. Simmonds*	**Methane Oxidation Capacity of Methanotrophic Microcosm from different soil and its ability to Mitigate Methane Emission** *R.K.Brindha and N.Vasudevan*	16:30	**Modelling the radiative impacts of aerosol with a regional-scale air quality model** *Astrid Manders-Groot, Lyana Curier, Bas Henzing, Arjo Segers and Martijn Schaap*	**Cross-Validation of a mobile N_2O flux prototype (IPNOA) using Micrometeorological and Chamber methods** *Patricia Laville, S. Neri, S. Bosco and G. Virgili*	
16:50	**Country-views**	**Long-term trends of total and specific fluorinated GHGs emissions in Russia** *Ekaterina V. Imshennik and Alexander I. Nakhutin*	**Effect of rice cultivars on yield-scaled methane emission in a 1 double rice field in South China** *Xiaobo Qin, Yu'e Li, Hong Wang, Yunfan Wan, Jianling Li, Qingzhu Gao, Yulin Liao and Meirong Fan*	16:50	**Study of the climate impact of short-lived climate forcers with NorESM** *Dirk Jan Leo Olivié and Michael Schulz*	**Eddy covariance-based methane and CO2 budget of a bog-pine ecosystem in southern Germany** *Janina Hommeltenberg, Matthias Mauder and Hans Peter Schmid*	
17:10	**Country-views**	**HFC banks and their growing role in climate change** *Guus J.M. Velders, Susan Solomon and John S. Daniel*	**Regional GHG emissions and mitigation potentials for livestock sectors** *J.P. Lesschen, I.G. Staritsky, P.J. Kuikman and O. Oenema*	17:10	**Introducing a next-generation emissions of Black Carbon Aerosol: combining models and measurements to quantify the absolute amount and the time-varying quantity due to biomass burning** *Jason Blake Cohen*	**Monitoring of CH_4, N_2O, SF_6, H_2 and CO mixing ratios at Kasprowy Wierch station, southern Poland** *Łukasz Chmura, J. Necki, M. Zimnoch, K. Rozanski, M. Galkowski, J. Bartyzel and D. Zieba*	
17:30	**Overall discussion**	**Global warming potentials and radiative efficiencies of halocarbons and related compounds: A comprehensive review** *Øivind Hodnebrog, M. Etminan, J.S. Fuglestvedt, G. Marston, G. Myhre, C.J. Nielsen, K.P. Shine and T.J. Wallington*		17:30		**Two years of CH_4 and N_2O measurements from Krakow urban station** *Michal Gałkowski, J.M. Nęcki, D.Zięba, Ł.Chmura and K. Różański*	
17:50				17:50		**Revisiting European, historic non-CO_2-greenhouse gas records including a comprehensive uncertainty assessment** *Samuel Hammer, M. Lopez, M. Galkowski, T Aalto, F. Apadula, P. Bergamaschi, Z. Barcza, H. Chen, G. Forster, L.Hazan, L Haszpra, J. Helle, O.Hermansen, C. C. Hoerger, J. Lavric, D. Lowry, G. Manca, A. Manning, F. Meinhardt, J. Moncrieff, J Necki, S. O'Doherty, N. Paramonova, S. Piacentino, A. Vermeulen, M. Ramonet, M. Schmidt, M. Steinbacher and I. Levin*	
18:10	**End conference day**			18:10	**End conference day**		