

PRELIMINARY NCGG7 PROGRAM (as of 10 September 2014, PLEASE CHECK REGULARLY FOR UPDATES)

WEDNESDAY 5 NOVEMBER

PLENARY SESSION – room “University of Amsterdam 2-4”

9:00 Chair: Carolien Kroeze

Dr Niklas Höhne
(Ecofys Germany and Wageningen University, The Netherlands)
Wedging the gap: the role of non-CO₂ greenhouse gases in ambitious emission reductions

Kiyoto Tanabe
(IPCC TFI TSU)
IPCC Guidelines and UNFCCC: Share and trends of non-CO₂ greenhouse gases in reported national emission inventories

10:30 Break

Parallel Sessions Room: 1	Parallel Sessions Room: 2	Parallel Sessions Room: 3	Parallel Sessions Room: 4	Parallel Sessions Room: 5
Session 1A: Improving and building a national agricultural GHG emission inventory – focus on N ₂ O emissions from agricultural soils <i>Chair: Ute Skiba & Adrian Leip</i> <i>Assistant:</i>	Session 2A: Emissions from transport <i>Chair:</i> <i>Assistant:</i>	Session 3A: Harmonization and development of historical emission inventory <i>Chair: Hugo Denier van der Gon & Katerina Sindelarova</i> <i>Assistant:</i>	Session 4A: Shortlived gases <i>Chair:</i> <i>Assistant:</i>	Session 5A: Monitoring <i>Chair:</i> <i>Assistant:</i>
11:00 Inventory improvement in the agriculture sector: challenges and opportunities <i>Velina Pendolovska (EC-DG CLIMA)</i>	11:00 Aircraft NOx emission inventories – the importance of representing cruise altitudes accurately <i>Agnieszka Skowron</i>	11:00 First Steps in the Development of a Community Historical Emission Inventory <i>Gregory J. Frost, Steven Smith, Claire Granier, Jean-Francois Lamarque</i>	11:00 Black carbon in the Arctic: How well is it captured by models? <i>Sabine Eckhardt</i>	11:00 Sample air drying system implemented at three stations of the IC3 climatic monitoring network <i>Alba Águeda</i>
11:20 IPCC Emission Factor Database <i>Baasansuren Jamsranjav (IPCC TFI TSU)</i>	11:20 GHGs emission due to the ships traveling (Case study: Khure Mosa, Southwest of Iran) <i>Mohammad Sadegh Sekhavaifjou</i>	11:20 A Community Data System for Historical Emissions <i>Steven J. Smith</i>	11:20 Emission metrics and Sea Level Rise: Even short-lived climate pollutants have long-lived climate impacts <i>Erik Sterner</i>	11:20 Performance test of an improved FTIR analyzer for simultaneous high precision observation of ambient concentrations of greenhouse gases <i>Alex Vermeulen</i>
11:40 Regional emission factors from recently available data collections of N ₂ O plot scale measurements – a possibility to reduce uncertainties in IPCC reporting of direct N ₂ O emissions from soils? <i>Rene Dechow</i>	11:40 New developments in global warming potentials for aviation NOx emissions <i>Agnieszka Skowron</i>	11:40 Trends and uncertainties in emissions of ozone-depleting substance <i>Guus J.M. Velders and John S. Daniel</i>	11:40 Norway's action plan on SLCPs – work in the interface between research and policy <i>Vigdis Vestreng</i>	11:40 Building a new digital air archive for non-CO ₂ greenhouse gases in the Northern Hemisphere <i>Andreas Engel</i>
12:00 Nitrous Oxide Emissions from Inverse Modelling: Current Capabilities and Outlook <i>Rona L. Thompson</i>	12:00 A contribution for the debate on Sustainable Future: The role of transport indicators in Rio de Janeiro City to the improvement of local governance <i>Andrea S Santos, Suzana Kahn-Ribeiro</i>	12:00 Merging the Global Fire Emissions Database (GFED4) with estimates of past fire activity <i>G.R. van der Werf, W. Knorr, M.J.E. van Marle, and J. W. Kaiser</i>	12:00 Observed hourly surface ozone variation over Dagoretti, Nairobi in the year 2012 <i>Zablon Weku Shilenje</i>	12:00 Direct greenhouse gases observations in Russia: some results from field campaigns and stations <i>Andrey I. Skorokhod</i>
12:20 Overview of US Agricultural Soil GHG Inventories <i>Stephen Del Grosso</i>	12:20	12:20	12:20 Climate impact of short-lived climate forcers: A case study of emissions from Norway <i>Øivind Hodnebrog</i>	12:20
12:40 Lunch	12:40 Lunch	12:40 Lunch	12:40 Lunch	12:40 Lunch
Session 1B: Improving and building a national agricultural GHG emission inventory – focus on N ₂ O emissions from agricultural soils <i>Chair: Ute Skiba & Adrian Leip</i> <i>Assistant:</i>	Session 2B: F Gases <i>Chair: Martin Vollmer</i> <i>Assistant:</i>	Session 3B: Identification of new sources and estimation of their emissions <i>Chair: Hugo Denier van der Gon & Katerina Sindelarova</i> <i>Assistant:</i>	Session 4B: IUAPPA Meeting <i>Chair:</i> <i>Assistant:</i>	Session 5B: Monitoring <i>Chair:</i> <i>Assistant:</i>
14:00 Overview of the experimentation and modelling in preparation of Tier 2 N ₂ O and CH ₄ EF's for the UK, he will focus on N ₂ O from crop and managed grasslands <i>Tom Misselbrook (UK)</i>	14:00 New halogenated substances in the atmosphere; Atmospheric budget and sources of HCFC-31 <i>Fabian Schönenberger</i>	14:00 Lost in Translation (Updated global estimates of BC emissions including so far poorly quantified sources) <i>Zbigniew Klimont</i>	14:00 IUAPPA Meeting	14:00 Global scale monitoring of nearly all non-CO ₂ greenhouse gases by the CARIBIC-Lufthansa aircraft observatory <i>Carl Brenninkmeijer</i>
14:20 Tier 2 development and ongoing improvements of N ₂ O EF's in NZ (mainly intensively managed grasslands) <i>Cecile de Klein (NZ)</i>	14:20 Halogenated anaesthetics in the global atmosphere <i>Martin K. Vollmer</i>	14:20 Gas flaring emissions in Africa from 1960 to 2011 and comparison with current inventories <i>T. Doumbia, L. Granier, C. Lioussse, C. Granier, R. Rosset, T. Oda, C. Elvidge</i>		14:20 Evaluation of new analytical techniques for high-precision in-situ measurements of Nitrous Oxide in the atmosphere <i>Benjamin Lebeque</i>
14:40 DNDC simulations together with chamber measurements of CH ₄ and N ₂ O from rice paddies for Tier 3 in Thailand <i>Sirinornthep Towprayoon (Thailand)</i>	14:40 Recent and future trends in synthetic greenhouse gas radiative forcing <i>Matthew Rigby</i>	14:40 Sources and estimated volume of release of methane into atmosphere from Azerbaijan territory <i>Akper A. Feyzullayev</i>		14:40 Rapid estimation of GHG emissions using simplified statistic modelling <i>Anton V. Malygin</i>
15:00 A holistic farm scale model (HolosNor) to calculate direct and indirect GHG emissions including animal health for dairy farms in Norway <i>Sissel Hanssen</i>	15:00 Top-down European emission estimates of F-gases based on long-term high frequency measurements and a Bayesian inversion method <i>Michela Maione</i>	15:00 African combustion emission inventory: specificities and uncertainties <i>Lioussse 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. Kaiser</i>		15:00 In-situ measurements of stable methane isotopes at Cabauw (Netherlands) <i>Elena M.E. Papa</i>
15:20 FAO Estimates of GHG Emissions from Agriculture: Pushing the limits of IPCC 2006 Tier 1 <i>Francesco Tubiello</i>	15:20 How policy affects the atmosphere—insights into the transition from HCFCs to HFCs from global atmospheric observations <i>Stephen A. Montzka</i>	15:20		15:20 A Comparison of GHG Flux Measurements by Relaxed Eddy Accumulation and Eddy Covariance Methods Using FTIR and QCL Analyzers <i>Marie Laborde</i>
15:40 Break	15:40 Break	15:40 Break	15:40 Break	15:40 Break
Session 1C: Improving and building a national agricultural GHG emission inventory – focus on N ₂ O emissions from agricultural soils <i>Chair: Ute Skiba & Adrian Leip</i> <i>Assistant:</i>	Session 2C: F Gases <i>Chair: Martin Vollmer</i> <i>Assistant:</i>	Session 3C: EFCA Meeting <i>Contact:</i> <i>Assistant:</i>	Session 4C: Short lived Gases <i>Chair:</i> <i>Assistant:</i>	Session 5C: Monitoring <i>Chair:</i> <i>Assistant:</i>
16:10 An overview of methodological issues in estimation of agricultural non-CO ₂ GHG emissions <i>Baasansuren Jamsranjav (IPCC TFI TSU)</i>	16:10 Trends in Emissions of Fluorinated GHGs Reported under the Greenhouse Gas Reporting Program: Patterns and Potential Causes <i>Deborah Ottinger</i>	16:10- EFCA MEETING 18:10	16:10 The Role of Short-Lived Climate Forcers (Ozone, Black Carbon and Co-Emitted Species) for Climate Change in the Arctic <i>Andreas Stohl</i>	16:10 Real-time measurements of nitrous oxide isotopomers at a tall tower: Identifying sources and hot spots in Switzerland <i>Eliza Harris</i>
16:30 The calculation of greenhouse gas emissions in the European agricultural sector; how much does the method matter? <i>Gema Carmona-Garcia</i>	16:30 Why are global HFC emissions under-reported? <i>Mark F. Lunt</i>		16:30 Modelling the radiative impacts of aerosol with a regional-scale air quality model <i>Astrid Manders-Groot</i>	16:30 Cross-Validation of a mobile N ₂ O flux prototype (IPNOA) using Micrometeorological and Chamber methods <i>Patricia Laville</i>
16:50 Country-views	16:50 Long-term trends of total and specific fluorinated GHGs emissions in Russia <i>Ekaterina V. Imshennik</i>		16:50 Study of the climate impact of short-lived climate forcers with NorESM <i>Dirk Jan Leo Olivie</i>	16:50 Eddy covariance-based methane and CO ₂ budget of a bog-pine ecosystem in southern Germany <i>Janina Hommeltenberg</i>
17:10 Country-views	17:10 HFC banks and their growing role in climate change <i>Guus J.M. Velders</i>		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 <i>Jason Blake Cohen</i>	17:10 Monitoring of CH ₄ , N ₂ O, SF ₆ , H ₂ and CO mixing ratios at Kasprzy Wierch station, southern Poland <i>Lukasz Chmura</i>
17:30 Overall discussion	17:30 Global warming potentials and radiative efficiencies of halocarbons and related compounds: A comprehensive review <i>Øivind Hodnebrog</i>		17:30	17:30 Two years of CH ₄ and N ₂ O measurements from Krakow urban station <i>Michal Galkowski</i>
				18:10 Revisiting European, historic non-CO ₂ greenhouse gas records including a comprehensive uncertainty assessment <i>Samuel Hammer</i>
18:10 End conference day 1				

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THURSDAY 6 NOVEMBER

PLENARY SESSION – room “University of Amsterdam 2-4”

9:00 Chair: Tinus Pulles

Prof dr Rudy Rabbinge Growing more food with decreasing greenhouse gas emission
(Wageningen University and GRA Chair)

Dr Lena Höglund-Isaksson Global anthropogenic methane emissions: past and future trends
(IIASA)

10:30 Break

Parallel Sessions Room: 1	Parallel Sessions Room: 2	Parallel Sessions Room: 3	Parallel Sessions Room: 4	Parallel Sessions Room: 5	Parallel Sessions Room: 6
Session 1A: GRA Agriculture <i>Chair: Rudy Rabbinge</i> <i>Assistant:</i>	Session 2A: F Gases <i>Chair:</i> <i>Assistant:</i>	Session 3A: CH₄ Agriculture <i>Chair:</i> <i>Assistant:</i>	Session 4A: Aerosol fractions, climate forcing and air pollution <i>Chair (S7): Thomas Reichert</i> <i>Assistant:</i>	Session 5A: Policy/Scenario <i>Chair: Shaun Ragnuth</i> <i>Assistant:</i>	Session 6A: Land-use change effects on soil emissions in the (sub)tropics <i>Chair: Hergoualc'h Kristell / Louis Verchot</i> <i>Assistant:</i>
11:00 Scientific support to a climate smart livestock production: the rationale behind the Livestock Research Group of the Global Research Alliance on agricultural greenhouse gases Martin Scholten, Harry Clark, Andy Reisinger, Jac Meijis, Victoria Hutton, Henk van der Mheen	11:00 Estimation of southern European halocarbon emissions from atmospheric measurements Fabian Schönenberger	11:00 Greenhouse gas emissions from treated manure Gerard Velthof	11:00 Controlling the risks of fine particulate matter: size, numbers, chemical properties and forcing; how to proceed? Joop van Ham	11:00 Understanding the contribution of non-CO ₂ gases in deep mitigation scenarios David E.H.J. Gernaat	11:00 Combined effects of forest degradation and topography on soil greenhouse gas fluxes in tropical montane forest systems: a case study in the Mau Forest, Kenya Arias-Navarro C., Brandt P., Diaz-Pineds E., Rufino M.C., Verchot L.V., Butterbach-Bahl K.
11:20 Mitigation Options of Methane Emissions from Paddy Rice Fields by Water Management Kazuyuki Yagi and Kazunori Minamikawa	11:20 U.S. Emissions and Supplies of SF ₆ Reported under the Greenhouse Gas Reporting Program Deborah Ottinger	11:20 Methane emission reduction at manure storage – full scale demonstration Hans Oonk	11:20 Impact of natural and anthropogenic aerosols on mixed-phase and ice clouds Corinna Hoese et al	11:20 Possibilities to reduce agricultural nitrogen pollution (including nitrous oxide, a prominent non-CO ₂ GHG) in such a way that farmers benefit and the fertilizer industry profits. David Kanter	11:20 CH ₄ and N ₂ O emissions associated with land use change of Tropical peat ecosystem in Tanjung Puting, Central Kalimantan Novita N., Hergoualc'h K., Kauffman J.B.
11:40 An international inter-comparison and benchmarking of crop and pasture models simulating GHG emissions and removals at field scale Fiona Ehrhardt, Jean-François Soussana, Gianni Bellocchi, Ari Bhatta, Lorenzo Brill, Rich Conant, Paola Deligios, Roberta Farina, Nuala Filton, Peter Grace, Katja Klumpp, Joël Leonard, Mark Liebig, Mark Lieffering, Raphaël Martin, Raia Sylvia Massad, Andrew Moore, Laura Mula, Elizabeth Pattey, Thomas A. M. Pugh, Sylvie Recous, Ward Smith, Val Snow, Kairisty Topp, Huang Yao	11:40 The new European F-Gas Regulation as an instrument for a further step in reduction of fluorinated GHG emissions: the impact for electrical switchgear Jean-Marc Basse	11:40 Regional GHG emissions and mitigation potentials for livestock sectors Jan Peter Lesschen	11:40 Hygroscopicity of Atmospheric Particles: Implications for their Effects on Human Health and Climate George Bisko	11:40 NCGG-policy in the Netherlands and an inventory of emission of relatively unknown and small non-CO ₂ greenhouse gas sources Joep van Steen	11:40 The effect of nitrogen fertilization on soil N ₂ O emissions from oil palm cultivation on deep peat Oktaria S., Hergoualc'h K., Verchot L.V., Bonneau X., Anwar S.
12:00 Digestive value and methane emissions from grass herbage and grass silage under varying fertilization and harvesting management A. Bannink, Klop, Warner, Hater, Podesta, Ellis, Dijkstra	12:00 How to reduce SF ₆ Usage and Emission in the Taiwan's TFT-LCD Industry Joey (Ching-Hui) Lu	12:00 Methane Oxidation Capacity of Methanotrophic Microcosm from different soil and its ability to Mitigate Methane Emission Rethinaswami K. Brindha	12:00 Sources and production of primary and secondary organic aerosols: Insights from the combination of a chemistry - climate model and measurements Alexandra Tsimpidi, Viassiss Karydis and Jos Lelieveld	12:00 The Mitigation Efforts of Non-CO ₂ Greenhouse Gases in Korea Chan Young Park	12:00 Farm-level management and landscape position affects greenhouse gas emission potentials in western Kenya Pelster D.E., Butterbach-Bahl K., Rufino M., Wanyama G.
12:20 The Global Rumen Census and Hungate1000: collaborative research projects targeting rumen microbes William J. Kelly, Gemma Henderson, Faith Cox, Global Rumen Census and Hungate1000 Collaborators, Graeme T. Attwood, Peter H. Janssen, Adrian L. Cookson, Suzanne C. Lambie, Kenneth Teh, Nicole Shapiro, Tanja Woyke, Sinead C. Leahy.	12:20 Project of "District-cooling in Colombia" as an air conditioning environmental alternative in end user sector Margarita Gutierrez	12:20 Yield-scaled global warming potential from a double rice field of South China as affected by biochar amendment Xiaobo Qin, Yu'e Li, Yunfan Wan, Jianling Li, Qingzhu Gao, Yulin Liao, Meirong Fan, Hong Wang	12:20 The influence of traffic on the black carbon concentration: investigations in Leipzig, Germany, and La Paz, Bolivia Alfred Wiedensohler	12:20 Scenarios for N ₂ O emissions from biodiesel production in Europe Jikke van Wijnen	12:20 Improved palm oil production sustainability by methane capture and utilization Kor B. Zwart
12:40 Lunch	12:40 Lunch	12:40 Lunch	12:40 Lunch	12:40 Lunch	12:40 Lunch
Session 1B: Voluntary Agreement in Agriculture in the Netherlands: Approach and first results <i>Chair: Mathieu Dumont</i> <i>Assistant:</i>	Session 2B: F Gases <i>Chair:</i> <i>Assistant:</i>	Session 3B: N₂O Agriculture <i>Chair:</i> <i>Assistant:</i>	Session 4B: Inverse Modelling <i>Chair:</i> <i>Assistant:</i>	Session 5B: Policy/Scenario <i>Chair:</i> <i>Assistant:</i>	Session 6B: Land-use change effects on soil emissions in the (sub)tropics <i>Chair: Hergoualc'h Kristell / Louis Verchot?</i> <i>Assistant:</i>
14:00 Cost effectiveness of options to reduce greenhouse gas emissions in the Dutch dairy sector Agnes van den Pol-Dasselaar, Hans Blonk, Mark Dolman, Aart Evers, Michel de Haan, Joan Reijis, Léon Sebek, Theun Vellinga, Harm Wenmenhove	14:00 European halocarbon measurements performed within INGOS: from innovation to routine observations Stefan Reimann	14:00 Controls on nitrous oxide production and consumption in New Zealand pasture soil Andrew McMillan	14:00 Methane flux quantification in Eurasia by atmospheric inversion Antoine Berchet	14:00 Multi-basket approaches to climate and environmental policies Katsumasa Tanaka	14:00 Tillage and crop establishment effect on emission of N ₂ O and CH ₄ from rice-wheat cropping systems under two contrasting production conditions of Indo-gangetic plain Sapkota T.B., Jat M.L., Shankar V., Singh L.K., Jat M.K., Bijamiya D., Rai M., Jat R.K., Sterling C.
14:20 Reduction potential for on farm methane and nitrous oxide emission on Dutch dairy farms Léon Sebek, Rosalinde Goselink, Aart Evers and Michel de Haan	14:20 Global HCFC-22 (CHF ₂ Cl) measurements with MIPAS: retrieval, validation, climatologies and trends M. Chirkov	14:20 The importance of wintertime soil N ₂ O and NO emission processes at the global scale Brian Seok	14:20 Inverse modeling of global and regional CH ₄ emissions during 1990-2012 Anindam Ghosh	14:20 Crop Yields, Food Security, and GHG Emissions: An Analysis of Global Mitigation Options for Rice Cultivation Robert H. Beach	14:20 A review of the greenhouse gas costs associated with conversion of forest to rubber and oil palm plantations Skiba U., Hergoualc'h K.
14:40 AD of animal manure from the perspective of Danish climate policies Teodorita Al Seadi	14:40 Atmosphere-based "top-down" emission estimates of hydrofluorocarbons (HFCs) and hydrochlorofluorocarbons (HCFCs) for the United States Lei Hu	14:40 Nitrogen Footprints and N ₂ O emissions of Melon under Two Different Farming Regimes in Central Java, Indonesia Budi Widianarko	14:40 Development of inversion system based on the adjoint global coupled transport model Dmitri A. Belikov	14:40 Global Mitigation of Non-CO ₂ Greenhouse Gases: Marginal abatement costs curves and abatement potential through 2030 Shaun A. Ragnauth	14:40 Soil N ₂ O and NO emissions from land use and land-use change in the tropics and subtropics: A meta-analysis van Lent J., Hergoualc'h K., Verchot L.V.
15:00 Cost-effective mitigation? The usefulness of voluntary agreements and public private partnerships for reducing greenhouse gases from agriculture in the Netherlands Mathieu Dumont, Albert Moerkerken and Arnold Smit	15:00 Retrievals, Validation, Trends and Climatologies of MIPAS IMK-IAA CFC-11 (CCl ₂ F) and CFC-12 (CCl ₂ F ₂) Ellen Eckert	15:00 Impact of grassland renovation practices on N ₂ O emissions and nitrate dynamics Caroline Buchen	15:00 Inverse modelling of Canada's anthropogenic methane emissions: statistical methods and pseudo-data experiments Elton Chan	15:00 The Situation of Non CO ₂ Greenhouses Gases Air Pollution in Uganda Moses Kusenererwa	15:00 N ₂ O and CH ₄ fluxes in rehabilitated lands in W. Kenya Verchot L.V., Thongo, M.
15:20 Lactic acid bacteria as a methane mitigation option Ida Hindrichsen	15:20 Observations of halogenated trace gases in Taiwan Lauren J. Gooch	15:20 Cover Crops: effect on direct and indirect N ₂ O emissions Karl G. Richards	15:20	15:20 Reduction of the air traffic's contribution to climate change: A REACT4C case study Volker Grewé	15:20 Non-CO ₂ greenhouse gas emissions from palm oil production in Thailand Kanokwan Saswattha, Melissa Cuevas Romero, Lars Hein, Carolien Kroeze, Jawjit Warit
15:40 Break	15:40 Break	15:40 Break	15:40 Break	15:40 Break	15:40 Break
Session 1C: N-related Greenhouse Gases <i>Chair:</i> <i>Assistant:</i>	Session 2C: F Gases <i>Chair:</i> <i>Assistant:</i>	Session 3C: N₂O Agriculture <i>Chair:</i> <i>Assistant:</i>	Session 4C: Inverse Modelling <i>Chair:</i> <i>Assistant:</i>	Session 5C: Policy/Scenario <i>Chair:</i> <i>Assistant:</i>	Session 6C: Monitoring <i>Chair:</i> <i>Assistant:</i>
16:10 Short and long-term impacts of nitrogen deposition on carbon sequestration by forest ecosystems Wim de Vries, Enzai Du, Klaus Butterbach-Bahl	16:10 Global emissions of fluorinated greenhouse gases until 2050: technical mitigation potentials and costs Pallav Purohit	16:10 Effect of exogenous application of plant growth hormone on nitrous oxide emission from field grown wheat (Triticum aestivum) Leena Borah	16:10 Top-down estimates of European CH ₄ and N ₂ O emissions using different inverse models and improved observations Peter Bergamaschi	16:10 Marginal Abatement Cost Curves for Agricultural Non-CO ₂ GHG Emissions through 2030 Robert H. Beach	16:10 Trends of methane emissions in southern Germany derived from 22 years of atmospheric methane and radon measurements at Schauinsland station Martina Schmidt
16:30 Interactions between methane and the nitrogen cycle in light of climate change Paul Bodeller, Anne K Steenbergh	16:30 SF ₆ alternative development for high voltage switchgears Philippe Ponchon	16:30 Fertiliser Nitrogen Formulation Affects Nitrous Oxide Emissions from Grassland Mary Harty	16:30 Isotopic constraints on the recent methane budget: an atmospheric view Marielle Saunois	16:30 Contribution of methane mitigation to policy measures addressing short-lived climate forcers – An application of non-CO ₂ marginal abatement cost curves Shaun A. Ragnauth	16:30 Long-term variations of atmospheric CH ₄ concentration over Siberia derived from aircraft and tower measurements Motoki Sasakawa
16:50 Nitrous oxide emissions from pastoral soils: interactions between the N cycle and climate change Cecile de Klein, Mark A Shepherd, Tony J van der Weerden	16:50 Overview from European Semiconductor Industry Association on the 2010-2020 World Semiconductor Council agreement to manage "Perfluorocompound" emissions and the current status of the programme in Europe Shane Harte	16:50 Indirect emissions of N ₂ O, CO ₂ , and CH ₄ via groundwater in contrasting agricultural systems Mohammad Mofir R. Jahangir	16:50 Estimation of methane emissions from Switzerland by atmospheric observations and inverse modeling Stephan Henne	16:50 Scenarios of Austrian greenhouse gas emissions: methane and nitrous oxide Thomas Winkler	16:50 5 years of CH ₄ , N ₂ O, and SF ₆ observations over the Indian subcontinent: a study based on surface flask measurements Xin Lin
17:10 Ozone - the persistent menace; interactions with the N-cycle and climate change David Simpson; Almut Arneht; Gina Mills; Sverre Solberg; Johan Uddling	17:10 Loophole in the Montreal-Kyoto regimes and increase in by-product HFC-23 emissions from HCFC-22 feedstock uses Tatsuya Hanaoka	17:10 Reduction of Nitrous oxide (N ₂ O) emission from wheat agriculture under varying tillage practices and different level of nitrogen fertilizer Nirmali Bordoloi	17:10 Validation of EDGAR CH ₄ sources based on atmospheric observations of isotopic compositions of CH ₄ and other tracers at Lutjewad Huilin Chen	17:10 Costs of Emission Metrics in the Context of Climate Stabilizations Katsumasa Tanaka	17:10 The MACC-II high resolution global atmospheric methane forecast Anna Agustí-Panareda
17:30	17:30 Reducing SF ₆ Emissions from Electrical Switchgear Edgar Dullni	17:30 Urine Patch Simulation Approach Affects Quantification of Nitrous Oxide Emissions Dominika Krol	17:30	17:30	17:30
17:30 End conference day 2					
19:00 Diner in the Jordaan (Amsterdam West)					

FRIDAY 7 NOVEMBER

PLENARY SESSION – room “University of Amsterdam 2-4”

9:00 *Chair: Carolien Kroeze*

Bas Eickhout
(European Parliament; The Greens/GroenLinks)

European climate policies

Dr Leo Meyer
(PBL, The Netherlands)

Synthesis of the key messages from the IPCC 5th Assessment

10:30 Break

Parallel Sessions Room: 1	Parallel Sessions Room: 2	Parallel Sessions Room: 3	Parallel Sessions Room: 4	Parallel Sessions Room: 5	Parallel Sessions Room: 6
Session 1A: N-related Greenhouse Gases	Session 2A: Methane	Session 3A: N₂O Agriculture	Session 4A: Atmospheric models	Session 5A: CH₄ Energy	Session 6A: Satellite Observations
<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>
11:00 Nutrient use efficiency: a valuable metric to benchmark the sustainability of nutrient use in global livestock production? <i>Pierre Gerber, Aimable Uwizeye; Rogier P Schulte; Carolyn I Opiyo; Imke J de Boer</i>	11:00 Revisiting the impact of changes in regional anthropogenic emission on the methane global annual growth rates over the last decade <i>Jason E. Williams</i>	11:00 Latest Developments in Nitrous Oxide Abatement <i>Klaus Ruthardt</i>	11:00 A model study of the feedbacks between lightning activity and atmospheric temperature and composition changes <i>Sergei P.Smyshlyaev and Ludmila Kolomeets</i>	11:00 International Marginal Abatement Cost Curve Responses to Alternative Gas Production Scenarios – A look at Methane Emissions and Mitigation Potential in the Energy Sector <i>Shaun A. Ragnauth</i>	11:00 Spatial and Interannual variability of the regional CH₄ fluxes estimated with GOSAT observations <i>H-S. Kim</i>
11:20 Sustainable energy crop production <i>Steve Del Grosso</i>	11:20 Atmospheric methane measurements at the Sierra de Grazalema Natural Park <i>Paola Occhipinti</i>	11:20 Effects of agronomic practices for nitrous oxide emissions reduction in Mediterranean: the LIFE+IPNOA project <i>Simona Bosco</i>	11:20 Distribution of N₂O in the atmosphere under global warming – a simulation study with the MPI Earth System Model <i>Daniela Kracher</i>	11:20 Addressing Barriers to Global Deployment of Best Practices to Reduce Methane Emissions from Coal Mines <i>Felicia A. Ruiz</i>	11:20 Methane and Carbon dioxide from space : the SCIAMACHY, GOSAT and (Precursor) S5 missions <i>Ilse E.A.A. Aben</i>
11:40 Nitrous Oxide (N₂O) Emissions from Human Waste in 1970-2050 <i>Maryna Stokal, Carolien Kroeze</i>	11:40 Quantification of global methane sources from natural wetlands using processed model <i>Changhui Peng</i>	11:40 Nitrogen management to reduce N₂O emissions from Chinese agriculture <i>Wen Wang</i>	11:40 Evaluation of the boundary layer dynamics of the TM5 model within InGOS project <i>Ernest N. Koffi</i>	11:40 Industry Experience in Deriving Updated Emission Factors to Characterize Methane Emissions for Select Emission Sources in Natural Gas Systems <i>Karin C. Ritter</i>	11:40 Recently improved global and vertically resolved CH₄ and N₂O distributions from MIPAS/Envisat <i>Johannes Plieninger</i>
12:00 Reducing Nitrous Oxide Emissions from the Global Food System <i>Oene Oenema; Xiaotang Ju, Prof; Cecile de Klein; Marta Alfaro; Augustin del Prado; Jan Peter Lesschen; Xunhua Zheng; Gerard Velthof; Lin Ma; Bing Gao; Carolien Kroeze</i>	12:00 Methane emissions in Northern Eurasia and the Arctic from a Bayesian atmospheric inversion <i>Rona L. Thompson</i>	12:00 Effect of different nitrogen managements on nitrous oxide emissions and crop yield in winter wheat field in northern China <i>Ya-nan Liu</i>	12:00 Atmospheric N₂O isotope simulation: Model optimisation, comparison with observation and source implication <i>Kentaro Ishijima</i>	12:00 The Update of Methane Emission Parameters for the Natural Gas Industry of Russia <i>Nina E. Uvarova</i>	12:00 Atmospheric Methane over the Arctic Ocean: Thermal IR Satellite and Ship-Based Observations <i>Leonid Yurganov</i>
12:20 Agriculture: Sustainable Crop and Animal Production to Help Mitigate Nitrous Oxide Emissions <i>Clifford S. Snyder, Eric A Davidson, Pete Smith, Rod T Venterea</i>	12:20 On-site analysis of (delta)13C- and (delta)D-CH₄ by laser spectroscopy for the allocation of source processes <i>Simon Eyer</i>	12:20 Effects of the DCD and nitrogen fertilizer application on N₂O emission and crop yield from a wheat- maize rotation system in northern China <i>Yan-qun Wang</i>	12:20	12:20 The Contribution of Gazprom Company to Methane Emission Reduction in the Russian Federation <i>Alexandr Ishkov</i>	12:20 Exploiting the Long-Term Satellite Observations of the Absorbing Aerosol Index using an Instrument Simulator <i>Pepijn Veefkind</i>
12:40 Lunch	12:40 Lunch	12:40 Lunch	12:40 Lunch	12:40 Lunch	12:40 Lunch
Session 1B: N-related Greenhouse Gases	Session 2B: Municipal waste and cities	Session 3B: Nitrous Oxide	Session 4B: Atmospheric models and budgets	Session 5B: Emissions from terrestrial ecosystems	Session 6B: Satellite Observations and Inverse Modeling
<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>	<i>Chair:</i> <i>Assistant:</i>
14:00 N-related greenhouse gases in North America: Innovations for a sustainable future <i>Eric A Davidson; James N. Galloway; Neville Millar; Allison M Leach</i>	14:00 Methane emissions by treatment of municipal wastewater in Mexico: with emphasis on stabilization ponds <i>María Guadalupe Paredes Figueroa</i>	14:00 Monitoring N₂O fluxes in under-drainage from arable fields subject to diffuse pollution mitigation measures <i>Zanist Hama-Aziz</i>	14:00 How are non-CO₂ forcers represented in integrated assessment models? <i>Mathijs J.H.M. Harmsen</i>	14:00 Impacts of nutrient additions on carbon sequestration in tropical, temperate and boreal forests <i>Lena Schulte-Uebbing</i>	14:00 Inverse modeling of the inter-annual variability of global CH₄ emissions using multiple years of data from the GOSAT satellite <i>Sander Houweling</i>
14:20 Innovations for a sustainable future: rising to the challenge of nitrogen greenhouse gas management in Latin America <i>Mercedes Bustamante; Luiz A Martinelli, Jean P Ometto, Janaina B Carmo, Victor J Jaramillo, Mayra E Gavito, Patricia I Araujo, Amy T Austin, Tibisay Perez, Sorena Marquina</i>	14:20 Quantification of methane fluxes in densely populated cities <i>Magdalena Jozwicka</i>	14:20 Generating Nitrous Oxide Emission Factors: An Assessment of Sampling Duration and Frequency <i>Gary Lanigan</i>	14:20 Sensitivity of the recent methane budget to transport model errors <i>Robin Locatelli</i>	14:20 Development of an integrated model of greenhouse gas exchange over terrestrial ecosystems <i>Akihiko Ito</i>	14:20 Preparing the CH₄ Atlas of Pakistan by Using Satellite Observations <i>M. Qasim</i>
14:40 A European perspective of innovations toward mitigation of nitrogen-related greenhouse gases <i>Wilfried Winivarter; Adrian Leip ; Hanna L Tuomisto ; Palle Haastrop</i>	14:40 Indirect emissions of N₂O and CH₄ from a constructed wetland treating municipal wastewater <i>Mohammad Mofi R. Jahangir</i>	14:40 Nitrous oxide evolution from soil covered with plastic mulch film in vegetable field <i>Seichi Nishimura</i>	14:40 Validation of atmospheric transport models through comparisons with 222Radon and boundary layer mixing height observations <i>Ute Karstens</i>	14:40 CO uptake and emission by soil: short term variability and stable isotopic signatures from a field study <i>Elena M.E. Popa</i>	14:40 Some validation results of satellite and ground based Total Contents of Greenhouse Gases and pollutants for background and “high emission” sites <i>Vadim Rakinin</i>
15:00 Assessing non-CO₂ climate-forcing emissions and mitigation in Africa <i>Hickman; Robert J Scholes; Todd S Rosenstock; Carlos Perez; Justice Nyamangara</i>	15:00 Analyses of municipal solid waste generations in Asia for estimating CH₄ emission <i>Tatsuya Hanaoka</i>	15:00 Simulation of soil methane and nitrous oxide fluxes on a tropical Andes transect using the ECOSSE model <i>Mark Richards</i>	15:00 Improved isoprene oxidation in TM5 for isoprene emission estimates using formaldehyde satellite data <i>Marly H.A. Lujiten-van Geel</i>	15:00 Effects of tree thinning on greenhouse gas (GHG) fluxes from an Oak forest <i>Sirwan Yamulki</i>	15:00 Simultaneous Optimisation of Global Fluxes of Methane and Carbon Dioxide using Satellite Data <i>Sudhanshu Pandey</i>
15:20 Mitigation of nitrous oxide emissions from food production in China <i>Lin Ma, Gerard Velthof, Carolien Kroeze, Xiaotang Ju, Chunsheng Hu, Oene Oenema, Fusuo Zhang</i>	15:20 Reducing emissions of short-lived climate pollutants in the municipal solid waste sector - A climate and clear coalition initiative <i>Swarupa Ganguli</i>	15:20 Comparison of five chamber systems for N₂O flux measurement based on a field campaign <i>Mette Sustman Carter</i>	15:20 Tropospheric hydrogen balance for southern Poland <i>Michal Galkowski</i>	15:20 Inter-annual and seasonal patterns of methane and nitrous oxide fluxes from montane Peruvian ecosystems <i>Torsten Diem</i>	15:20
15:40 Break			15:10		
16:10 Plenary closing debate: Peter van der Geer					
17:40 CLOSURE Drinks					