

9:00	PLENARY SESSION – room "University of Amsterdam 2-4" Chair: Carolien Kroeze, Assistant: Maryna Strokal Bas Eickhout (European Parliament, The Greens/GreenLinks): 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 "University of Amsterdam 1" Session 1A: N-related Greenhouse Gases Chair: Cecile de Klein Assistant: Li Ang	Parallel Sessions Room 2 "Stellenbosch" Session 2A: Methane Chair: Wilfried Ivens Assistant: Eugenie van der Harst	Parallel Sessions Room 3 "Sorbonne" Session 3A: N₂O Agriculture Chair: Gary Lanigan Assistant: Yuotong Chen	Parallel Sessions Room 4 "Oxford" Session 4A: Atmospheric models Chair: Ute Karstens Assistant: Matthijs Harmsen	Parallel Sessions Room 5 "Erasmus 2" Session 5A: CH₄ Energy Chair: André van Amstel Assistant: David Gernaat	Parallel Sessions Room 6 "Erasmus 1" Session 6A: Satellite Observations Chair: Sander Houweling Assistant: Diana Aragon
11:00	Nutrient use efficiency: a valuable approach to benchmark the sustainability of nutrient use in global livestock production? Pierre Gerber, Aimable Uwizeye, Rogier P Schulte, Carolyn I Opio and Imke J de Boer	Revisiting the impact of changes in regional anthropogenic emission on the methane global annual growth rates over the last decade Jason E. Williams, M.J. van der Meulen, M. van Weele, N. Banda, J.Schuck, P.F.J. van Velthoven and C.A.M. Brenninkmeijer	Effects of the DCD and nitrogen fertilizer application on N₂O emission and crop yield from a wheat- maize rotation system in northern China Yan-qun Wang, Ying-chun Li, Ya-nan Liu, Hui-ling Liu, Zheng-ping Peng	11:00 A model study of the feedbacks between lightning activity and atmospheric temperature and composition changes Sergei P. Smyshlyayev, Ludmila Kolomeets, Eugene Mareev and Timofei Sukhodolov	Marginal Abatement Cost Curve Responses to Alternative Gas Production Scenarios – A look at Methane Emissions and Mitigation Potential in the Energy Sector Jeff Petrusa and Shaun Ragnauth	Spatial and Interannual variability of the regional CH₄ fluxes estimated with GOSAT observations H.-S. Kim, S. Maksyutov, M. Saito, A. Ito, D. Belikov, T. Saeki, I. Morino, Y. Yoshida and T. Yokota
11:20	Sustainable energy crop production Steve Del Grosso and Pete Smith	Atmospheric methane measurements at the Sierra de Grazalema Natural Park Paola Occhipinti, A. Agüeda, J.A. Morguí, O. Batet, L. Cañas, R. Curcoll, C. Grossi, M. Nofuentes and X. Rodó	Effects of agronomic practices for nitrous oxide emissions reduction in Mediterranean: the LIFE+IPNOA project Simona Bosco, N. Nassi o Di Nasso, I. Volpi, F. Triana, P. Laville, L. Fabbri, S. Nuvoli, S. Neri, G. Virgili and E. Bonari	11:20 Distribution of N₂O in the atmosphere under global warming – a simulation study with the MPI Earth System Model Daniela Kracher, E. Manzini, C.H. Reick, M. Schultz and O. Stein	Addressing Barriers to Global Deployment of Best Practices to Reduce Methane Emissions from Coal Mines Felicia A. Ruiz, Raymond C. Pilcher and Clark Talkington	Methane and Carbon dioxide from space : the SCIAMACHY, GOSAT and (Precursor) S₅ missions Rob Detmers, Haili Hu, André Butz, Christian Frankenberg, Sander Houweling, Jochen Landgraf, Otto Hasekamp and Ilse Aben
11:40	Nitrous Oxide (N₂O) Emissions from Human Waste in 1970-2050 Maryna Strokal and Carolien Kroeze	Quantification of global methane sources from natural wetlands using processed model Changhui Peng, Qian Zhu, Huai Chen and Gang Yang	Nitrogen management to reduce N₂O emissions from Chinese agriculture Wen Wang and Dali Rani Nayak	11:40 Evaluation of the boundary layer dynamics of the TM₅ model within InGOS project Ernest N. Koffi, P. Bergamaschi, and U. Karstens, I. Levin, A. T. Vermeulen, B. Scheeren, M. Schmidt, R. Fisher, J. Hatakka, H. Chen, J. Moncrieff, C. Schlosser and M. Ramonet	Industry Experience in Deriving Updated Emission Factors to Characterize Methane Emissions for Select Emission Sources in Natural Gas Systems Karin C. Ritter, Miriam Lev-On and Terri Shires	Recently improved global and vertically resolved CH₄ and N₂O distributions from MIPAS/Envisat Johannes Plieninger, A. Laeng, G. P. Stiller and T. von Clarmann
12:00	Reducing Nitrous Oxide Emissions from the Global Food System Oene Oenema, Prof. Xiaotang Ju, Cecile de Klein, Marta Alfaro, Augustin del Prado, Jan Peter Lesschen, Xunhua Zheng, Gerard Velthof, Lin Ma, Bing Gao and Carolien Kroeze	Methane emissions in Northern Eurasia and the Arctic from a Bayesian atmospheric inversion Rona L. Thompson, A. Stohl, C. Lund Myhre, T. Aalto, E. Dlugokencky and G. Dutton	Effect of different nitrogen managements on nitrous oxide emissions and crop yield in winter wheat field in northern China Ya-nan Liu, Ying-chun Li, Zheng-ping Peng, Yan-qun Wang, Hui-ling Liu and Shao-yun Ma	12:00 Atmospheric N₂O isotope simulation: Model optimisation, comparison with observation and source implication Kentaro Ishijima, Sakae Toyoda, Masayuki Takigawa, Kengo Sudo, Takakiyo Nakazawa, Shuji Aoki, Shinji Morimoto, Satoshi Sugawara, Thomas Röckmann, Jan Kaiser and Naohiro Yoshida	The Update of Methane Emission Parameters for the Natural Gas Operations in Russia Nina E. Uvarova, Alexandr G. Ishkov, Greta S. Akopova, Veronika A. Ginzburg, Konstantin V. Romano, Natalya Y. Kruglova and Michael L. Gytarsky	Atmospheric Methane over the Arctic Ocean: Thermal IR Satellite and Ship-Based Observations Leonid Yurganov, Ira Leifer and Xiaozhen Xiong
12:20	Agriculture: Sustainable Crop and Animal Production to Help Mitigate Nitrous Oxide Emissions Clifford S. Snyder, Eric A Davidson, Pete Smith and Rod T Venterea	On-site analysis of (delta)¹³C- and (delta)¹⁵N-CH₄ by laser spectroscopy for the allocation of source processes Simon Eyer, Lukas Emmenegger, Béla Tuzson, Hubertus Fischer and Joachim Mohr		12:20	The Contribution of Gazprom Company to Methane Emission Reduction in the Russian Federation Alexandr Ishkov, Victor Blinov, Greta Akopova and Konstantin Romanov	Exploiting the Long-Term Satellite Observations of the Absorbing Aerosol Index using an Instrument Simulator Pepijn Veeffkind, Mian Chin and Pieter Levelt
12:40	Lunch					
	Session 1B: N-related Greenhouse Gases Chair: Cecile de Klein Assistant: Li Ang	Session 2B: Municipal waste and cities Chair: Wilfried Ivens Assistant: Yuotong Chen	Session 3B: Nitrous Oxide Chair: André van Amstel Assistant: Jie Wen	Session 4B: Atmospheric models and budgets Chair: Tinus Pulles Assistant: Melissa Cuevas Romero	Session 5B: Emissions from terrestrial ecosystems Chair: Mattieu Dumont Assistant: David Gernaat	Session 6B: Satellite Observations and Inverse Modeling Chair: Peter van Velthoven Assistant: Diana Aragon
14:00	N-related greenhouse gases in North America: Innovations for a sustainable future Eric A Davidson, James N. Galloway, Neville Millar and Allison M Leach	Methane emissions from stabilization ponds for municipal wastewater treatment in Mexico María Guadalupe Paredes, L. P. Güereca and A. Noyola	Monitoring dissolved nitrous oxide concentrations in field drains from arable lands Zanist Hama-Aziz, Kevin Hiscock, Christopher Adams and Brian Reid	14:00 How well do integrated assessment models represent non-CO₂ radiative forcing? Mathijs JHM Harmsen, Detlef P van Vuuren, Andries F Hof, Maarten van den Berg, Chris Hope, Jean-Francois Lamarque and Drew T Shindell	Impacts of nutrient additions on carbon sequestration in tropical, temperate and boreal forests Lena Schulte-Uebbing and Wim de Vries	Inverse modeling of the inter-annual variability of global CH₄ emissions using multiple years of data from the GOSAT satellite Sander Houweling, R. Detmers, H. Hu, O. Hasekamp, G. Monteil, S. Pandey, M. Krol, T. Röckmann and I. Aben
14:20	Innovations for a sustainable future: rising to the challenge of nitrogen greenhouse gas management in Latin America Mercedes Bustamante, Luiz A Martinelli, Jean P Ometto, Janaína B Carmo, Victor J Jaramillo, Mayra E Gavito, Patricia I Araujo, Amy T Austin, Tibisay Perez and Sorena Marquina	Quantification of methane fluxes in densely populated cities Magdalena Jozwicka, R. Winkler, I. Xueref-Remy, H.A. C. Denier van der Gon, F. Baron and P. Ciaia	Generating Nitrous Oxide Emission Factors: An Assessment of Sampling Duration and Frequency Gary Lanigan, Laura Cardenas, Dave Chadwick, Cecile DeKlein, Ronnie Laughlin, Tom Misselbrook, Bob Rees, Karl Richards, Rachel Thorman, Catherine Watson, Tony van der Weerden and John Williams	14:20 Sensitivity of the recent methane budget to transport model errors Robin Locatelli, Philippe Bousquet, Marielle Saunois and Anne Cozic and Frédéric Hourdin	Improvement to the Vegetation Integrated Simulator for Trace gases (VISIT) for atmosphere–biosphere biogeochemical interaction studies focusing on greenhouse gases Akihiko Ito and Motoshi Inatomi	Preparing the CH₄ Atlas of Pakistan by Using Satellite Observations M. Qasim, M.F. Khokhar, F. Chishti and C-CARGO Team
14:40	A European perspective of innovations toward mitigation of nitrogen-related greenhouse gases Wilfried Winiwarter, Adrian Leip, Hanna L Tuomisto and Palle Haastrop	Indirect emissions of N₂O and CH₄ from a constructed wetland treating municipal wastewater Mohammad Mofj R. Jahangir, Karl G. Richards, Owen Fenton, Paul Carroll, Rory Harrington and Paul Johnston	Nitrous oxide evolution from soil covered with plastic mulch film in vegetable field Seiichi Nishimura, Michio Komada, Masako Takebe, Shigeru Takahashi, Seiichiro Yanemura, Toshihiko Karasawa, Fumio Sato and Naoto Kato	14:40 Validation of atmospheric transport models through comparisons with ²²²Rn and boundary layer mixing height observations Ute Karstens, P. Bergamaschi, I. Levin, I. Heard, A.J. Manning, M. Saunois, A.T. Vermeulen, E. Koffi, R. Locatelli, M. Schmidt, R. Fisher, J. Hatakka, H.A.J. Meijer, J. Moncrieff, C. Schlosser, S. Pal and M. Ramonet	CO uptake and emission by soil: short term variability and stable isotopic signatures from a field study Elena M.E. Popa, S. L. Pathirana and T. Röckmann	Some validation results of satellite and ground based Total Contents of Greenhouse Gases and pollutants for background and "high emission" sites Vadim Raktin, N. Elansky, A. Skorokhod, Yu. Shtabkin, N. Pankratova, A. Safronov and A. Dzhola
15:00	Assessing non-CO₂ climate-forcing emissions and mitigation in Africa J. Hickman, Robert J Scholes, Todd S Rosenstock, Carlos Perez and Justice Nyamangara	Analyses of municipal solid waste generations in Asia for estimating CH₄ emission Tatsuya Hanaoka, Yuko Kanamori and Minoru Fujii	Simulation of soil methane and nitrous oxide fluxes on a tropical Andes transect using the ECOSSE model Mark Richards, T. Diem, S. Jones, E. Jones, M. Pogson, J.U. Smith, P. Smith and Y.A. The	15:00 Improved isoprene oxidation in TM₅ for isoprene emission estimates using formaldehyde satellite data Marly H.A. Luijten-van Geel, K.F. Boersma and J.E. Williams	Inter-annual and seasonal patterns of methane and nitrous oxide fluxes from montane Peruvian ecosystems Torsten Diem, Sam Jones, Lidia Prisila Huaraca Quispe, Adan Julian Cahuana Quispe, Mark Richards, Patrick Meir, Liz Baggs, Pete Smith and Yit Arn Teh	Simultaneous Optimisation of Global Fluxes of Methane and Carbon Dioxide using Satellite Data Sudhanshu Pandey, Sander Houweling, Maarten C. Krol, Thomas Röckmann and Ilse Aben
15:20	Mitigation of nitrous oxide emissions from food production in China Lin Ma, Gerard Velthof, Carolien Kroeze, Xiaotang Ju, Chunsheng Hu, Oene Oenema, Fusuo Zhang	Reducing emissions of short-lived climate pollutants in the municipal solid waste sector - A climate and clear coalition initiative Swarupa Ganguli, T. Frankiewicz, C. Godlove, N. Damodaran and J. Donahue		15:20 Tropospheric hydrogen balance for southern Poland Michal Galkowski, J.M. Necki, J. Bartyzel and L. Chmura		Increasing free tropospheric ozone over China observed from space W.W. Verstraeten, K.F. Boersma, J. Williams, K.W. Bowman and J.R. Worden
15:40	Break					
16:10	Plenary closing debate: Peter van der Geer					
17:40	CLOSURE Drinks					