

Friday, 3 July

PLENARY SESSION

chair: Carolien Kroeze

- 8:30 RECENT TRENDS IN THE ATMOSPHERIC METHANE BURDEN, E.J. Dlugokencky
- 9:15 REDUCING THE CARBON FOOTPRINT OF AGRICULTURE, H. B. Perdok
- 10:00 plenary Q&A session
- 10:30 BREAK

PARALLEL SESSIONS

THEME I

session 1.3 (ctd) Verification of emissions

chair: Jan-Willem van Groenigen

- 10:50 FUTURE TRENDS IN EMISSIONS OF N₂O FROM RIVERS, ESTUARIES AND CONTINENTAL SHELVES Carolien Kroeze, Egon Dumont, Sybil Seitzinger
- 11:20 NEGLECTING SINKS FOR N₂O AT THE EARTH'S SURFACE: DOES IT MATTER? Carolien Kroeze, Lex Bouwman, Caroline P. Slomp, Alfi Syakila
- 11:40 NITROUS OXIDE EMISSIONS ESTIMATES FROM AN IRRIGATED DAIRY-GRAZED PASTURE USING CHAMBERS AND MICROMETEOROLOGICAL MEASUREMENTS, AND NZ-DNDC MODEL Surinder Saggar, MJ Harvey, J Singh DL Giltrap, AMS McMillan, E Pattey, AM Bromley, D Dow, RJ Martin, R Moss
- 12:00 SPATIAL AND TEMPORAL VARIABILITY OF N₂O EMISSIONS FROM A DRAINED AND GRAZED GRASSLAND ON PEAT SOIL C.L. van Beek, M. Pleijter, J.W. van Groenigen, P.J. Kuikman

12:50 LUNCH BREAK

session 1.3 (ctd) Verification of emissions

chair: Jan-Willem van Groenigen

- 13:50 CONTRIBUTION OF N DEPOSITION TO N OXIDE EMISSIONS IN EUROPEAN TEMPERATE FORESTS N. Eickenscheidt, R. Brumme, E. Veldkamp
- 14:10 THREE YEARS OF CONTINUOUS NITROUS OXIDE EMISSIONS FROM A CROPPED SOIL IN A SEMI-ARID CLIMATE (AUSTRALIA) Louise Barton, L., Ralf Kiese, Renee Buck, David Gatter, Debra Donovan, Daniel Carter, Daniel Murphy and Klaus Butterbach-Bahl
- 14:30 EVALUATION OF WATER MANAGEMENT STRATEGIES TO DECREASE NITROUS OXIDE AND METHANE EMISSION FROM PEAT SOILS WITH THE SWAP-ANIMO MODEL R.F.A. Hendriks, R.J. Wolleswinkel and J.J.H. van den Akker

15:30 closing session with parliament style discussion and voting

chair:

16:30 end symposium

THEME II

session 2.4

chair: Frank Raes

- 10:50 ~~BOREAL FORESTS, AEROSOLS, CLOUDS AND CLIMATE - CLOSING THE FEEDBACK LOOP~~ Ruud Janssen, Laurens Ganzeveld, Pavel Kabat
- 11:20 AEROSOL DIRECT RADIATIVE EFFECT FROM OMI: CONCEPT AND FIRST RESULTS B. Veihelmann, P. Wang, J.P. Veefkind, W.H. Knap, P.F. Levelt
- 11:50 ABSORBING AEROSOLS OVER CLOUDS: RADIATIVE FORCING MEASUREMENTS FROM SPACE P. Stammes, L.G. Tilstra, M. de Graaf
- 12:10 PROGRESS IN THE DETERMINATION OF THE SEA SPRAY SOURCE FUNCTION FROM SATELLITE DATA. Monique Albert, Astrid Manders, Gerrit de Leeuw, Martijn Schaap
- 12:30 INFLUENCE OF STRATOSPHERIC SULFURIC ACID AEROSOL SIZE DISTRIBUTION ON AEROSOL POSSIBILITY TO COMPENSATE GREENHOUSE WARMING V.A. Frolkis, I.L. Karol

session 2.5

chair: Pieterneel Levelt

- 13:50 CLIMATE ALTERING SPECIES AT THE ABC-PYRAMID LABORATORY, HIMALAYAN-KARAKORUM, NEPAL. Michela Maione, Jgor Arduini, Francesco Furlani, Umberto Giostra, Francesco Ugucconi, Paolo Bonasoni, Paolo Cristofanelli, Angela Marinoni, Elisa Vuillermoz
- 14:10 LONG TERM OBSERVATIONS OF HALOGENATED GREENHOUSE GASES IN A EUROPEAN CONTINENTAL BACKGROUND STATION FOR ASSESSING ATMOSPHERIC TRENDS AND ANNUAL GROWTH RATES. Francesco Furlani, Jgor Arduini, Luca Belfiore, Daniela Cava, Umberto Giostra, Michela Maione
- 14:30 PROVIDING SPACE-BASED CONSTRAINTS ON THE CHEMICAL COMPOSITION OF AEROSOLS J.F. Veefkind, B. Veihelmann, K.F. Boersma, P.F. Levelt
- 14:50 TROPOMI: A NEW DUTCH INSTRUMENT FOR MEASURING THE TROPOSPHERE P.F. Levelt, E.A.A. Aben, J.P. Veefkind, M. Dobber, M. van Weele, R. Hoogeveen, J. de Vries, H. Visser, G. Otter
- 15:10 N₂O BEHAVIOR BETWEEN THE LOWER STRATOSPHERE AND THE SURFACE SUGGESTED BY AIRCRAFT OBSERVATIONS AND MODEL Kentaro Ishijima, Prabir K. Patra, Toshinobu Machida, Hidekazu Matsueda, Yosuke Sawa, Masayuki Takigawa, Takakiyo Nakazawa

THEME III

session 3.4

chair: Wilfried Winiwarter

- 10:50 ~~PILOT PROJECT SHOULD PROVIDE INSIGHT: CHAIN PARTNER HELPS TO REDUCE EMISSIONS IN DAIRY FARMING~~ Jan van Bergen
- 11:10 KNOWLEDGE TRANSFER AND PRACTICAL PROJECTS - DAIRY FARMERS CHOOSE THEIR OWN REDUCTION MEASURES Ida Smit and Jan van Bergen
- 11:30 HOW DO WE REACH OUR CLIMATE GOALS IN THE NETHERLANDS FOR AGRICULTURE? Willem Brouwer, Anja van Gemerden
- 11:50 ~~INVESTIGATION OF POTENTIAL MITIGATION OF NON-CO₂ GHGS THROUGH MANAGEMENT CHANGE IN DENMARK~~ T. Midtgaard, J.R. Porter, P. Smith, J.E. Olesen, J.P. Lesschen, P.J. Kuikman
- 12:10 ~~THE ROLE OF NON-CO₂ GREENHOUSE GASES IN COST-EFFECTIVE STRATEGIES TO REDUCE POLLUTION BY AGRICULTURE IN THE CZECH REPUBLIC~~ Martina Havlikova, Carolien Kroeze

session 3.4

chair: Jan van Bergen

- 13:50 INTEGRATED USE OF CAPRI AND EUROPE-DNDC: A MODELING FRAMEWORK TO ASSESS THE CROSS-COMPLIANCE EFFECTS ON EUROPEAN AGRICULTURAL ENVIRONMENT Follador M., Leip A., Orlandini L., Marchi G. and Weiss F
- 14:10 THE EFFECT OF GREENHOUSE GAS EMISSION CHARGING ON THE PROFITABILITY OF NEW ZEALAND PASTORAL FARMING SYSTEMS. Cecile A.M. de Klein, Duncan Smeaton, Harry Clark
- 14:30 MODELING AGRICULTURE IN CHINA : N₂O EMISIONS AND MITIGATION MEASURES Li, Y., Erda Lin, Wilfried Winiwarter,
- 14:50 A SYNERGISTIC EFFECT OF STRAW AND WATER MANAGEMENT AS THE NEW APPROACH FOR GHG MITIGATION IN RICE FIELD Tassane Japhasu-anun, Sirtintornthep Towprayoon