

HYMN Open Science & Policy Workshop

Date: Tuesday 13 October 2009
Location: Conference Room, KMI-IRM, Ringlaan 3, Uccle/Brussels, Belgium

9:00 Welcome
Michiel van Weele, KNMI, chair

Session 1 HYMN project overview, wider context, and Science and Policy

9:00 – 9:10 Introduction by the EU Officer
Jose Jimenez-Mingo, EC

9:10 – 9:40 Methane in the Arctic: wetlands, clathrates, gas leaks?
- the isotopic view.
Euan Nisbet, University of London, Royal Holloway

9:40 – 10:20 HYMN Project Overview
Michiel van Weele, KNMI

10:20 – 10:45 Discussion: Context, Science and Policy

10:45 – 11:15 *Coffee break*

Session 2 Biosphere-Atmosphere Interactions

11:15 – 11:45 The dynamical vegetation model LPJ for trace gas exchange modeling
Pru Foster, University of Bristol

11:45 – 12:15 LPJ-derived methane emissions 1990 – 2006
Renato Spahni, University of Bristol/University of Bern

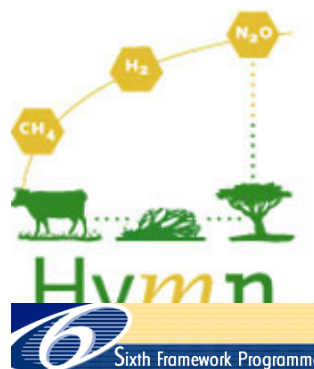
Session 3 Satellite Observations and Observations from Ground Networks

12:15 – 13:00 Satellite observations of atmospheric methane
Christian Frankenberg, SRON/University of Heidelberg

13:00 – 14:15 *Lunch*

14:15 – 14:45 Overview of the FTIR activities within HYMN
Katinka Petersen, University of Bremen

14:45 – 15:15 Comparisons of FTIR methane observations with SCIAMACHY
Frank Forster, IMK-IFU, Garmisch-Partenkirchen



Session 4 **Model Integration and Evaluation and Inverse Modeling**

15:15 – 15:45 Methane modeling: evaluation and trend studies
Stig Dalsoren, University of Oslo

15:45 – 16:00 *Coffee break*

16:00 – 16:30 A comparison of methane data products from Chemistry Transport Models and a quasi-global network of FTIR stations
Bart Dils, BIRA-IASB

16:30 – 17:00 Synthesis inversions and 4D-var data assimilation at LSCE
Isabelle Pison & Philippe Bousquet, LSCE

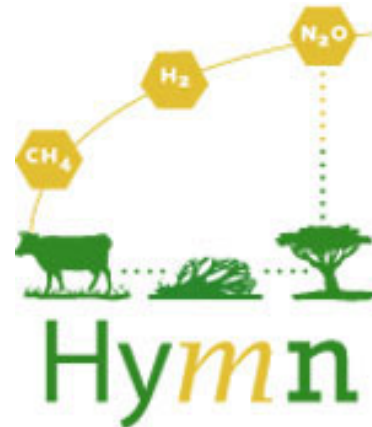
17:00 – 17:30 Constraint of global methane sources from SCIAMACHY and the isotopic record
Lisa Neef, KNMI

17:30 – 18:00 General discussion and workshop conclusions

Tuesday 20:00 End-of-project dinner at Les frères Romano, Avenue de Fré, 182

Participant list

Ioannis Bakas
Thomas Blumenstock
Philippe Bousquet
Andy Chalmers
Stig Dalsoren
Bart Dils
Pierre Duchatelet
Frank Forster
Pru Foster
Christian Frankenberg
Ivar Isaksen
Jose Jimenez-Mingo
Tobias Kerzenmacher
Jon Klyft
Martine de Maziere
Johan Mellqvist
Lisa Neef
Euan Nisbet
Isabelle Pison
Katinka Petersen
Ariane Razavi
Renato Spahni
Ralf Sussmann
Peter van Velthoven
Herman Walthaus
Michiel van Weele



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