



Scope

Non-CO₂ greenhouse gases, including methane (CH₄), nitrous oxide (N₂O), fluorocarbons (CFCs, HFCs, FS₆, etc.), black carbon, aerosols, tropospheric ozone (O₃) precursors and other compounds.

NCGG7

Seventh International Symposium on Non-CO₂ Greenhouse Gases

Innovation for a Sustainable Future



Program | November 5-7, 2014
Casa 400 | Amsterdam | The Netherlands

This is the program booklet for the seventh Non-CO₂ Greenhouse Gas Symposium (NCGG7) from 5-7 November 2014 in Amsterdam. The focus of the conference is 'Innovations for a Sustainable Future' with four themes: (1) Innovation and integration, (2) Sources, Sinks and Inventories, (3) Atmospheric Processes and (4) Policy Implementation.

More information: www.ncgg.info

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A detailed program of the conference and of each conference day is folded in the middle of the booklet.

Introduction

Welcome to NCGG7, the Seventh International Symposium on science, implementation and policy aspects of non-CO₂ greenhouse gases, organized by the Air Quality and Climate Change Section of the Netherlands Association of Environmental Professionals (VVM).

Methane (CH₄), nitrous oxide (N₂O), fluorocarbons (CFCs, HFCs, SF₆, etc.), black carbon, aerosols and tropospheric ozone (O₃) contribute significantly to climate forcing. Reducing emissions of these non-CO₂ greenhouse gases (NCGG) is often more cost-effective than reducing CO₂ emissions. This leads to an enhanced interest in, and need for significant NCGG-emission reductions. Roadmaps addressing NCGG-reduction measures from policy towards implementation are still missing or incomplete in many countries. Integrated studies at the science-policy interface, that take into account international trends will support the development of efficient NCGG policies and measures.

The main objective of NCGG7 is to address both the role of non-CO₂ greenhouse gases and aerosols in human-induced climate forcing, and options for their reduction by industry and society. The symposium also aims to remove barriers between policy, industry and science and fosters the dialogue between scientists, engineers and officials in industry and government working in this field from different perspectives.

During the conference papers will be presented on causes, effects and solutions of the environmental problems associated with non-CO₂ greenhouse gases. The four main themes of the conference are:

Theme 1. Integration and Innovation;

Theme 2. Sources, Sinks and Inventories;

Theme 3. Atmospheric Processes;

Theme 4. Policy Implementation including Mitigation and Adaptation.

These themes are further divided into sessions. The NCGG7 symposium will be opened by keynotes. Next, parallel sessions will start simultaneously. The sessions will be held in five to six parallel rooms.

Registration Desk

The registration desk will be open on **Tuesday, 4 November in Hotel Casa 400, Amsterdam, from 18:00 to 20:00**. Welcome drinks during pre-registration will be served. The registration desk will be also open on **Wednesday, 5 November from 8:00 in the morning and during conference hours**.

Congress Language

The congress language is English.

Proceedings

Abstracts and papers of presentations are available at the memory stick that all participants will receive.

Website

Updated information on the NCGG7 symposium is available at www.ncgg.info.

Symposium Dinner

The symposium dinner will be on **Thursday, 6 November**. We will start at 18:30 in Restaurant WERCK, Prinsengracht 277, 1016 GW Amsterdam. Then we will continue on a sightseeing cruise along the Amsterdam canals. You are all very welcome. Please **register for the dinner before 12.00 on Wednesday, 5 November**. Note that the costs of the dinner (57,50 euro) are not included in the conference fee.

Committees

Organizing Committee

NCGG7 Coordinator:

Carolien Kroeze, Wageningen University / Open University

Other Members:

Mathieu Dumont, AgentschapNL | Rachel Heijne, VVM | Arjan Hensen, ECN | Marianne Koedoot, VVM | Tinus Pulles, VVM | Sybil Seitzinger, IGBP | André Van Amstel, Wageningen University | Folkert Van der Molen, Royal Haskoning DHV | Peter Van Velthoven, KNMI | Herman Walthaus, Netherlands Ministry of Infrastructure and Environment

Conference Committee

Kornelis Blok Utrecht University, The Netherlands | Philippe Ciais LSCE, France | Harry Clark New Zealand Agricultural Greenhouse Gas Research Centre, New Zealand | Cecile De Klein AgResearch, New Zealand | Frank Dentener Joint Research Centre, European Commission, Ispra, Italy | Han Dolman VU University, The Netherlands | Thor Endre ABB AS, Norway | Pamela Franklin US-EPA, USA | Annette Freibauer Thünen Institute of Climate-Smart Agriculture, Germany | Jan Fuglestedt CICERO, Norway | Joyeeta Gupta VU University, The Netherlands | Jochen Harnisch KFW Development Bank, Germany | Leen Hordijk Wageningen University, The Netherlands | Bill Irving US-EPA, USA | Zig Klimont IIASA, Austria | Maarten Krol Wageningen University, The Netherlands | Rik Leemans Wageningen University, The Netherlands | Adrian Leip Joint Research Centre, European Commission, Ispra, Italy | Pieter Nel Levelt KNMI, The Netherlands | Michaela Maione Università degli Studi Carlo Bo, Italy | Mack McFarland Dupont Fluoroproducts, USA | Javier Pérez Ramirez ETH, Switzerland | Ludwig Ries Federal Environment Agency of Germany, Germany | Thomas Röckmann Utrecht University, The Netherlands | Dale Rothman Pardee Center for International Futures, USA | Martin Schultz Forschungszentrum Jülich, Germany | Ute Skiba Centre for Ecology and Hydrology, UK | Rob Sturgiss Department of Climate Change, Australia | Harry Thewissen NXP Semiconductors, The Netherlands | Han Van Dop Institute for Marine and Atmospheric Research Utrecht, The Netherlands | Peter Van Velthoven KNMI, The Netherlands | Theun Vellinga Wageningen University, The Netherlands | Jawjit Warit Rajamangala University of Technology Srivijaya, Thailand | Budi Widianarko UNIKA, Indonesia | Wilfried Winniwarter IIASA, Austria

Instructions Presenters & Session Chairs

Requests to Presenters of Papers in Parallel Sessions:

- Please upload your presentation on the PC in the room where your session is organized well before the session starts. Preferably you do this the day before, or at least two breaks before the session starts. In the parallel rooms assistants are available to help you.
- Try to find your session chair to introduce yourself well before the session starts. Please give him/her your biosketch so that you will be introduced properly.
- Keep to the time allotted for their presentations; note that the time slot includes 5 minutes for discussion

Requests to Chairs of Parallel Sessions:

- Your most important task is to chair the session effectively and timely. There are 5-6 parallel sessions, and we would like to give participants the opportunity to switch between sessions. This is only possible if all session chairs make sure that the presentations start exactly following the program. In case a presentation is cancelled, we would like you to not fill up the slot with one of the remaining presentations in your session. Instead, encourage the audience to attend one presentation in one of the other rooms, and then return for the rest of the session.
- Please introduce yourself to the presenters in your session well before the session starts.
- Try to collect the biosketches of the presenters in your session for proper introduction.
- Encourage presenters to upload their presentations on the PCs in the meeting rooms well before the session starts. In the parallel rooms assistants are available to help.

Program

Plenary Start

Each day will start with a plenary opening session, during which invited speakers outline the needs and open issues for the three main themes of the conference

Parallel Sessions

The NCGG7 symposium includes many special sessions in order to facilitate exchange of knowledge between different stakeholders in the fields of NCGG. Participants of these sessions will present their works on different days of the symposium as indicated in the program schedule.

Closing Session

The key outcomes of the NCGG7 symposium will be summarized in an interactive debating session on Friday afternoon (see the schedule). We will draw conclusions from the conference. This closing session will be facilitated by [Peter de Geer](#) (debat.nl). You are all welcome to participate.

Venue

The NCGG7 symposium will take place in Hotel Casa 400.

Contact Information Hotel Casa 400

Address: [Hotel Casa 400](#)

Eerste Ringdijkstraat 4
1097 BC Amsterdam
The Netherlands

Phone: [+31 \(0\)20 665 11 71](#)

Fax: [+31 \(0\)20 663 03 79](#)

E-mail: info@casa400.nl

Internet: www.hotelcasa400.nl

WIFI: [Casa400](#) (no password required)



How to get there

It takes around 5 minutes to walk from the Amstel Train Station (see map).



Adresses Conference Dinner

Address: [Restaurant Werck](#) (appetizer)
Prinsengracht 277
1016 GW Amsterdam
The Netherlands

[Brasserie Harkema](#) (main course)
Nes 67
1012 KD Amsterdam
The Netherlands

Contact Conference Secretariat (mobile)

[Marie Thérèse van Heijningen & Joost Heilbron](#)

Phone: [+31\(6\)36534359](#)

National emergency phone number - 112

Location of Rooms in Casa 400

Plenary room: "University of Amsterdam 2-4"

Room 1: "University of Amsterdam 1"

Room 2: "Stellenbosch"

Room 3: "Sorbonne"

Room 4: "Oxford"

Room 5: "Erasmus 2"

Room 6: "Erasmus 1"

First Floor Plan Casa 400



Publication of Papers

Presenters of the presentations have been invited to send in a paper on their presentation. These (short) papers have been collected, and distributed among all NCGG7 participants on a memory stick. A selection of these papers will be published in special issues of one or more peer reviewed international journals.

We aim for special issues of journals such as:

- Journal of Integrative Environmental Assessment
- Greenhouse Gas Measurement and Management

Current Opinion in Environmental Sustainability

A special issue of the journal Current Opinion in Environmental Sustainability has already been published and is available for NCGG7 participants. All participants have free access for three months to the articles in this special Issue, starting 1 November 2014.

The link to these articles is: <http://www.sciencedirect.com/science/journal/18773435/9-10>

About NEN and standardization

NEN supports the standardization process in The Netherlands. When NEN is asked to effect an agreement, we will get to work. We start by investigating to what extent standardization is possible, and whether parties are interested.

All stakeholders are invited to participate. Broad support is a precondition. Agreements are based on consensus and are recorded in a document. This is usually a standard. Examples of stakeholders are companies, entrepreneurs, and consumers, but also the government and research organizations.

We are not always asked to develop a standard; the government regularly requests us to investigate whether standardization is possible within a certain field. NEN will subsequently investigate and, depending on the outcome, we will start a project. All stakeholders are free to participate.

www.nen.nl

Partners & Sponsors

- WUR - Wageningen University



- OU - Open University Netherlands



- Netherlands Ministry of Infrastructure and the Environment



- Agentschap NL - Netherlands Agency for Innovation and Sustainability



- KNMI - Royal Netherlands Meteorological Institute



- ECN - Energy Research Center Netherlands



- IGBP - Global Change, International Global Atmospheric Chemistry Project



- US Environmental Protection Agency



- Umweltbundesamt - Federal Environment Agency Germany



- SENSE - Research School for Socio-Economic and Natural Sciences of the Environment



Research School for Socio-Economic and Natural Sciences of the Environment

- NEDerlandse Norm



- European Federation of Clean Air



EFCA

- Royal HaskoningDHV



- ileaps - Integrated Land Ecosystem - Atmosphere Processes Study



Symposium Secretariat VVM-Milcon

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