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Air Pollution Modeling and its Application XXIV

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Preface

In 1969, the North Atlantic Treaty Organization (NATO) established the Committee on Challenges of Modern Society (CCMS). From its inception, the committee supported studies of air pollution as one of its priorities. An important NATO/CCMS activity relating to air pollution was the periodic organization of a conference series called *International Technical Meeting on Air Pollution Modelling and its Application* (ITM). This activity continued until 2013, under the successor of NATO/CCMS, the NATO Committee on Science for Peace and Security (NATO/SPS). NATO Pilot Countries organizing these meetings have been: The United States of America; Federal Republic of Germany; Belgium; The Netherlands; Denmark; Portugal and Canada. In 2013 the ITM continued its meeting series independently of NATO/SPS.

This volume contains the abstracts of papers and posters presented at the 34th ITM, held in Montpellier, France, from 4 to 8 May 2015. The 34th ITM was organized by LaMP/OPGC, CNRS (Host Country) and The University of British Columbia (Pilot Country). Key topics presented at this ITM were: local and urban scale modelling; regional and intercontinental modelling; data assimilation and air quality forecasting; model assessment and verification; aerosols in the atmosphere; interactions between climate change and air quality; air quality and human health.

The ITM was attended by 114 participants representing 20 countries. Invited papers were presented by Patrick Armand, France (Emergency modelling), Heinke Schluenzen, Germany (Model evaluation), Peter Builtjes, The Netherlands (Developments in Integrated Modelling) and Mian Chin, USA (Modelling atmospheric aerosols).

On behalf of the ITM Scientific Committee and as organizers and editors, we would like to thank all the participants who contributed to the success of the meeting. We especially recognize the organizational and support efforts of the chairpersons and rapporteurs. Finally, special thanks to the sponsoring institutions: LaMP/OPGC,

CNRS/INSU, CEA, CNES, ADEME, INERIS, the city of Montpellier, Environment Canada and The University of British Columbia (Canada).

The next meeting will be held in September 2016 in Chania, Crete, Greece.

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Scientific Committee Chair

Nadine Chaumerliac
Local Conference Organizer

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Han van Dop	The Netherlands (honorary life member)
Frank Schiermeier	USA (honorary life member)

History of International Technical Meeting on Air Pollution Modelling and Its Application

Pilot Studies

1969–1974	Air Pollution Pilot Study (<i>Pilot Country: USA</i>)	
1975–1979	Air Pollution Assessment Methodology and Modelling (<i>Pilot Country: Germany</i>)	
1980–1944	Air Pollution Control strategies and Impact Modelling (<i>Pilot Country: Germany</i>)	

Pilot Follow-Up Meetings

<i>Pilot Country—USA (R.A. McCormick, L.E. Niemeyer)</i>		
February 1971	Eindhoven, The Netherlands	First Conference on Low Pollution Power Systems Development
July 1971	Paris, France	Second Meeting of the Expert Panel on Air Pollution Modelling

NATO/CCMS International Technical Meetings (ITM) on Air Pollution Modelling and Its Application

Subsequent meetings were supported by the NATO Committee for Challenges to Modern Society and were designated NATO/CCMS International Technical Meetings (ITM) on Air Pollution Modelling and its Application.

October 1972	Paris, France 3rd TM
May 1973	Oberursel, Federal Republic of Germany 4th ITM
June 1974	Roskilde, Denmark 5th ITM
<i>Pilot Country—Germany (Erich Weber)</i>	
September 1975	Frankfurt, Federal Republic of Germany 6th ITM
September 1976	Airlie House, USA 7th ITM
September 1977	Louvain-la-Neuve, Belgium 8th ITM
August 1978	Toronto, Canada 9th ITM
October 1979	Rome, Italy 10th ITM
<i>Pilot Country—Belgium (C. De Wispelaere)</i>	
November 1980	Amsterdam, The Netherlands 11th ITM
September 1981	Menlo Park, California, USA 12th ITM
September 1982	Ile des Embiez, France 13th ITM
September 1983	Copenhagen, Denmark 14th ITM
April 1985	St. Louis, Missouri, USA 15th ITM
<i>Pilot Country—The Netherlands (H. van Dop)</i>	
April 1987	Lindau, Federal Republic of Germany 16th ITM
September 1988	Cambridge, United Kingdom 17th ITM
May 1990	Vancouver, BC, Canada 18th ITM
September 1991	Ierapetra, Greece 19th ITM
<i>Pilot Country—Denmark (Sven-Erik Gryning)</i>	
November 1993	Valencia, Spain 20th ITM
November 1995	Baltimore, Maryland, USA 21st ITM
May 1997	Clermont-Ferrand, France 22nd ITM
September 1998	Varna, Bulgaria 23rd ITM
May 2000	Boulder, Colorado, USA 24th ITM
<i>Pilot Country—Portugal (Carlos Borrego)</i>	
September 2001	Louvain-la-Neuve, Belgium 25th ITM
May 2003	Istanbul, Turkey 26th ITM
October 2004	Banff, Canada 27th ITM
May 2006	Leipzig, Germany 28th ITM

NATO/CCMS International Technical Meetings (ITM) on Air Pollution Modelling and Its Application

In 2007 the NATO Committee for Challenges to Modern Society was disbanded and replaced by the NATO Committee on Science for Peace and Security (NATO/SPS), which continued its support for the ITM.

September 2007	Aveiro, Portugal 29th ITM
<i>Pilot Country—Canada (Douw Steyn)</i>	
May 2009	San Francisco, California, USA 30th ITM
September 2010	Torino, Italy 31st ITM
May 2012	Utrecht, The Netherlands 32nd ITM

International Technical Meetings (ITM) on Air Pollution Modelling and Its Application

In 2012 the NATO Committee on Science for Peace and Security refocused its mandate, and the ITM became independent of NATO/SPS support.

September 2013	Miami, USA 33rd ITM
May 2015	Montpellier, France 34th ITM

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