

## Conference Scientific Committee

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Werner Klug (honorary member), Germany  
Han van Dop (honorary member), The Netherlands  
Frank Schiermeier (honorary member), USA

## Host Country: United States

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## Conference Secretariat

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## Pilot Country: Canada

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## First Announcement

# ITM 2013

NATO/SPS  
International Technical Meeting on  
Air Pollution Modeling and its  
Application



26 – 30 August 2013  
**Miami, Florida USA**

## Conference Location

Greater Miami along with its beaches is a colorful and vibrant mecca for visitors. The abundant sun, sand and surf, world-class cuisine, sizzling nightlife, and exciting recreational and entertainment choices make the city an exceptional meeting destination. Miami is the perfect place to mix business and pleasure. Miami combines a sunny climate and multi-cultural personality with all the amenities of a sophisticated metropolitan area. Miami has a sub-tropical climate where the sun shines nearly every day of the year. The average temperature is 26 - 29 °C, with 140 km of Atlantic Ocean coastline, 175 square km of inland water, and one of the nation's largest wildlife preserves in the Everglades. Visitors can enjoy outdoor activities like boating, golf, tennis, baseball, fishing, nature areas, wind-surfing, roller blade skating, and biking, along with indoor sports such as bowling and basketball. Cultural facilities abound with 40 theaters, performing art venues and cultural museums.

## ITM History

In 1969 the North Atlantic Treaty Organization (NATO) established the Committee on Challenges of Modern Society (CCMS). The subject of air pollution was from the start, one of the priority problems under study within the framework of various pilot studies undertaken by this committee. The organization of a periodic conference, named NATO/CCMS International Technical Meeting (ITM) on Air Pollution Modeling and its Application has become one of its main activities, now under the new Committee on Science for Peace and Security (SPS). The present 33rd edition will continue the series and represents the high level confidence of both the scientific community and the several conference sponsors.

## Early Career Researchers

We are delighted to encourage participation of early career researchers through a competition for the best paper/poster from researchers younger than 35 years old on the first day of the conference.

Adjudication will be based on scientific content and quality of the presentation. Applicants should participate in the ITM as any other attendee, but should inform the Scientific Committee Chair at the time of submission of papers that they are candidates for the award. Three winners will receive cash awards supported by EURASAP.

## Key Topics

1. Local and urban scale modeling (including the effects of building wakes, street canyons, urban canopy, urban energy balance)
2. Regional and intercontinental modeling (including observational and modeling of current and future scenarios, and impacts on meeting and maintaining air quality standards)
3. Data assimilation and air quality forecasting (including new research focusing on combining ground- and satellite- based observations with model outputs in creating high-resolution spatial maps of air quality, use of data assimilation techniques to identify measurement needs and in network design)
4. Model assessment and verification (including performance evaluation, diagnostic evaluation, dynamical evaluation and probabilistic evaluation as part of comparison of model outputs with observations)
5. Aerosols in the atmosphere (aerosol dynamics, aerosol formation, interaction with multiphase chemistry)
6. Interactions between air quality and climate change (observational analysis and modeling analysis of the effects of air pollution on climate and the impact of changing climate on future air quality)
7. Air quality effects on human health and ecology (including integrated and multimedia modeling, air quality trend assessments, the effects of regulatory programs on ambient air quality and human exposure)

## Abstract Submission

Abstracts (maximum of 300 words), should be submitted using instructions on [www.int-tech-mtng.org](http://www.int-tech-mtng.org) by 31 January 2013.

The abstract should include:

- Title of the paper
- Name of the authors, affiliations and email addresses
- Summary of objectives, main findings and results
- Key Topic
- Intention to give an oral or poster presentation