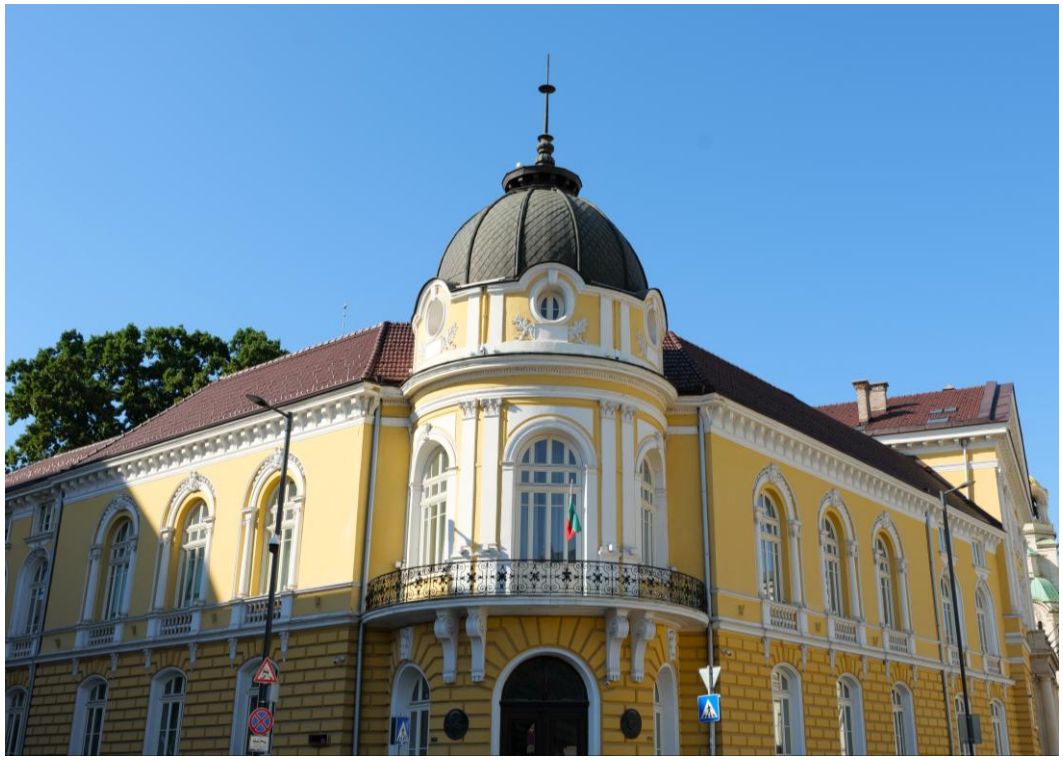

ITM

International Technical Meeting
on Air Pollution Modelling
and its Application

ITM 2026

41st International Technical Meeting On Air Pollution Modeling and its Application

20-24 April 2026

Sofia, Bulgaria

Conference Scientific Committee

Clemens Mensink, Belgium (chair)
Ekaterina Batchvarova, Bulgaria
Wanmin Gong, Canada
Ulas Im, Denmark
Ari Karppinen, Finland
Laurent Deguillaume, France
Volker Matthias, Germany
Maria Kanakidou, Greece
Silvia Trini Castelli, Italy
Hilde Fagerli, Norway
Ana Isabel Miranda, Portugal
Oriol Jorba, Spain
Renske Timmermans, The Netherlands
Alper Unal, Turkey
Rohit Mathur, United States of America

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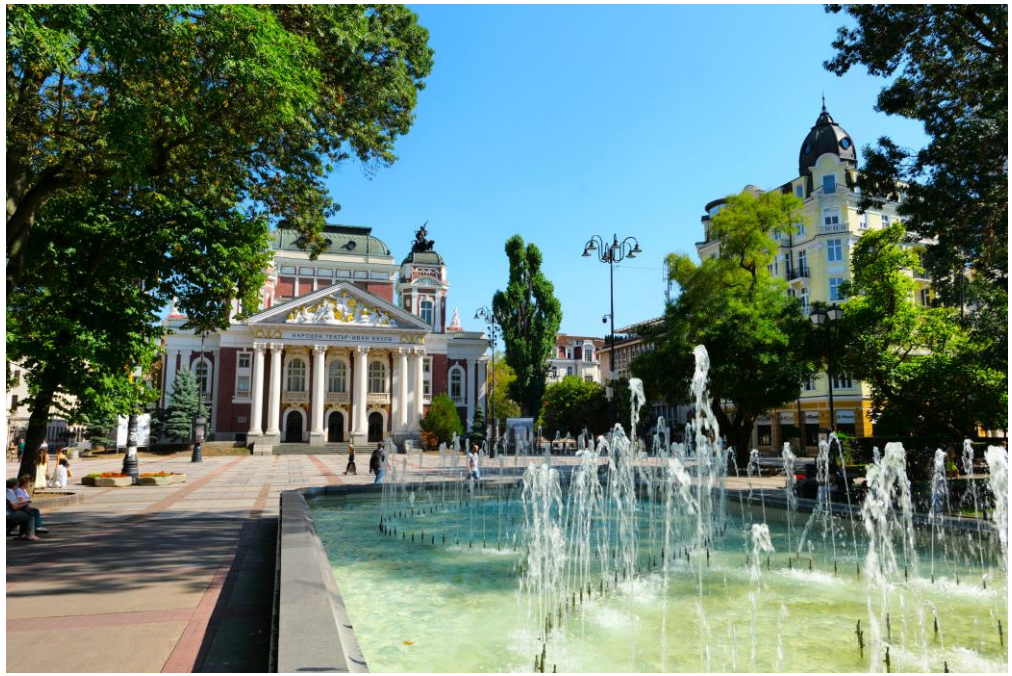
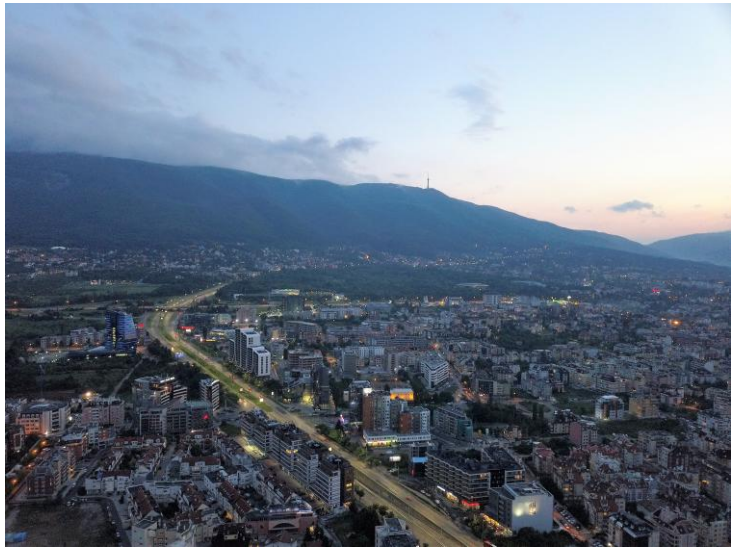
Conference website: https://itm2026.vito.be/en





Conference Location

The 41st ITM will be held in Sofia, Bulgaria. Sofia is the capital and the largest city of Bulgaria, situated in a mountain valley with an average altitude of 600 m. It is very well connected via air with numerous European cities.

ITM41 will be held at the conference facilities of the NATO Centre of Excellence and the central building of the Bulgarian Academy of Sciences.

Conference Host

The local host CAWRI-BAS performs fundamental and applied research in the fields of climatology, meteorology and hydrology and supports the stakeholders responsible for air quality and water management. Coordination and participation in numerous national and international projects indicates the competences of the scientific staff.

The ITM community in Bulgaria involves scientists from different universities and research institutes. All will be happy to meet you in Sofia.

ITM history

The International Technical Meeting on Air Pollution Modeling and its Application (ITM) series of conferences were initiated in 1969 under the auspices of the North Atlantic Treaty Organization (NATO). The ITM series became independent of NATO in 2013 and has continued as a broadly independent international meeting of the highest scientific stature. The ITM is one of most prominent forums for discussing the latest scientific developments and applications related to air pollution modeling at scales ranging from local to global. It brings together scientists and other stakeholders from the air pollution, climate change, policy, and health communities from across the globe.

Early Career Researchers

We are delighted to encourage participation of early career researchers through a competition for the best contribution (including both oral and poster presentations). Rules for participation can be found on **https://itm2026.vito.be/en/programme/early-career-researchers**. Selection will be based on scientific content and quality of the presentation.

Book publication by Springer

Both oral and poster contributions will be published by Springer in Air Pollution Modeling and its Application volume XXXI. Previous volumes of Air Pollution Modeling and its Application have been included in Web of Science and have received more than 150.000 chapter downloads from the Springer website.

Abstract Submission

Abstracts (maximum of 300 words), should be submitted using the website instructions on Abstract

Submission | ITM2026 by 17 November 2025

https://itm2026.vito.be/en/programme/abstract-submission

The abstract should include:

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

Key Topics

1. Regional and intercontinental modeling (including historic trends, current and future scenarios, impacts on air quality standards)
2. Local and urban scale modeling (including the effects of building wakes, urban development scenarios, (green) urban infrastructures, and megacities)
3. Emission modeling and processing (including emissions from ships and aircraft, temporal and spatial allocation of emissions, and projections related to climate change)
4. Data assimilation and air quality forecasting (including combining ground- and satellite-based observations with model outputs, use of data assimilation techniques to identify measurement needs)
5. Model assessment and verification (including performance evaluation, diagnostic, dynamical, and probabilistic evaluation)
6. Aerosols in the atmosphere (including aerosol dynamics, aerosol formation, interaction with multiphase chemistry, and aerosol-cloud interactions)
7. Modeling air pollution in a changing climate (including effects of air pollution on climate and the impact of changing climate on future air quality)
8. Air quality effects on human health and ecosystems (including integrated and multimedia modeling, atmospheric deposition and the effects of regulatory programs on ambient air quality)
9. Machine learning and AI in air quality modelling (use of machine learning algorithms and techniques to support, improve and speed up air pollution modelling)