



## LOCAL ORGANIZING COMMITTEE

Ana Isabel Miranda (chair)  
Alexandra Monteiro  
Bruno Augusto  
Carla Gama  
Joana Ferreira  
Vera Rodrigues

Department of Environment & Planning  
University of Aveiro  
3810-193 AVEIRO

## LOCAL CONTACT

+351 243 370 200  
dao-harmo21@ua.pt

Prof Ana Isabel Miranda  
Department of Environment & Planning  
University of Aveiro

<http://harmo21.web.ua.pt>

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## 2ND ANNOUNCEMENT



## 21st INTERNATIONAL CONFERENCE ON HARMONISATION WITHIN ATMOSPHERIC DISPERSION MODELLING FOR REGULATORY PURPOSES

Aveiro, Portugal  
27-30 September 2022

Department of Environment & Planning  
University de Aveiro

<http://harmo21.web.ua.pt>

## AUDIENCE

The 21st International conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (Harmo21) is aimed towards model developers, model users, environmental protection agencies and legislation experts. What distinguishes this conference from many others is its focus on common tools and methodologies.

## FOCUS OF THE CONFERENCE

The series of international conferences on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes is concerned with the improvement of "modelling culture" both in Europe and at an international level.

Dispersion modelling is widely used for regulatory purposes, both for permits and for assessments, but there is a lack of sufficient mechanisms to make modelling processes transparent and ensure trust in its results.

There are many open questions and aspects of this, such as: *Are the models scientifically sound for the purpose they are used? Are the models validated against observations or physical experiments? Are the models properly used by the experts? Are the users familiar with good practices and do they avoid bad practices? Are model developments sufficiently quality assured? Are reference problems established? Is proper exchange of experiences ensured?* Work on these questions is needed in order to assess the air quality impacts on society and nature, on human health, biodiversity and climate.

Such issues that are not specific for one particular model, but common to several, are in focus at the 21th Int. conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes.

The series of Harmonisation conferences started in 1991 (see [www.harmo.org](http://www.harmo.org)) and is a natural forum for discussing modelling issues related to the European Union air quality directives. European networks such as the FAIRMODE network and COST Actions can use the conference in order to expose their work to a wider audience.

The Harmonisation conferences provide the ground where model users and decision-makers can bring their requirements to the attention of scientists and search together for better regulatory tools and indicators for the diverse impacts of air quality.

## CALL FOR ABSTRACTS

Short abstracts of maximum 350 words should be submitted by February 28, 2022 through the link: <http://harmo21.web.ua.pt/abstracts/> with indication of preference for oral or poster presentation and topic.

### Sessions organised within the following topics:

- Model evaluation and quality assurance - model validation, model intercomparisons, model uncertainties and model sensitivities.
- Environmental impact assessment: Air pollution management and decision support systems.
- Use of modelling in support of EU air quality directives, including FAIRMODE activities.
- Parametrization of Physical Processes and Mathematical Problems in Meteorology and Air Quality Modelling.
- Urban Scale and Street Canyon Modelling: Meteorology, Air Quality and Passive Control Systems.
- Use of modelling in health and exposure assessments.
- Inverse dispersion modelling and source identification.
- Modelling air dispersion and exposure to accidental releases.
- Highlights of past work. Session devoted to reviews and to prominent scientists and 'golden papers' of the past, which have still relevance and should not be forgotten.

The basic criteria when selecting papers for oral presentations is how well they fit into the philosophy of developing an improved modelling culture where modellers as well as regulators and users will efficiently use each other's experience.

When submitting abstracts authors are requested to motivate how their paper relates to the underlying main theme of the conference: Harmonisation within modelling in a broad sense (see abstract submission form).

### Special sessions:

- Modelling Odour Dispersion and Exposure

Additional special sessions may be arranged on model evaluation exercises and other topics within the scope of the conference. If you have suggestions for special sessions, please contact the organisers as soon as possible.

## CONFERENCE FEES

	Registration period	Registration fee
Regular registration	until July 31, 2022	€ 450
Early bird registration	until June 17, 2022	€ 400
Late registration	from August 1, 2022	€ 500
Student registration	until July 31, 2022	€ 200
Student full registration	until August 31, 2022	€ 300
(for accompanying person)	until August 31, 2022	€ 100

## LOCATION

The Conference will take place at the University of Aveiro in Portugal, 27-30 September 2022.

Aveiro is a dynamic medium size city that offers its inhabitants much of what big city life has, but without the urban chaos and without diminishing the quality of life. The focal point of an industrially developed region, Aveiro today is also a city of commerce and services and a growing centre of leisure and culture. It is impossible to speak of Aveiro without making a special note of the water that so characterises it. The "ria" (inland waterways replenished from both the sea and the river) surrounds and penetrates the city and the extensive stretches of beach just a few kilometres away make the city very attractive for nature lovers and water sport enthusiasts. The delta plane of the city lies in contrast to the beautiful mountainous region to the inland areas of the district.

Registration for the conference and hotel options at attractive rates will be available through: [harmo21.web.ua.pt](http://harmo21.web.ua.pt)

## CO-ORGANIZED BY

The University of Aveiro ([www.ua.pt](http://www.ua.pt)) was founded in 1973 and paved the way in the creation of teaching offers in several knowledge fields. Today, UA is widely recognised as one of the most innovative universities in Portugal, for the quality of its teaching and research and for its cooperation with regional and national business. Its organisation and matrix structure stimulates knowledge exchange, promoting a useful proximity between teaching and research, which results in a very appealing message for national and international students. With a modern and prestigious architecture, UA occupies top positions in the most important international rankings of Higher Education.

The Department of Environment & Planning ([www.ua.pt/dao](http://www.ua.pt/dao)) was created in 1978 as one of the key university development areas, with a mission to provide academic education, but also a place for research, where innovative products and solutions are developed to contribute to the advance of environmental science & technology. One of the areas with more expertise is air pollution, with a large group of researchers playing an important role at national and international scientific community.