

24th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes

14-18 June 2027, Paris, France



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François Gaie-Levrel (AIRPARIF)

Local contact:

École nationale des ponts et chaussées

CEREA
6-8 Avenue Blaise Pascal
Cité Descartes
Champs-sur-Marne
77455 Marne la Vallée Cedex 2
Phone: +33 40 42838 5078
E-mail: harmo24@aleou.fr

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Second Announcement

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Harmonisation within Atmospheric
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for Regulatory Purposes

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GOPR0415@Yann.Piriou-ENPC

Organized by

École Nationale des Ponts et Chaussées

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Audience

The 24th International conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (Harmo24) 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 modelling 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 24th International conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes.

The series of Harmonisation conferences started in 1991 (see 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.

Find further details:

<https://www.harmo.org/>

<https://www.harmo24.org/>

Call for abstracts

Short abstracts of maximum 350 words should be submitted by **November 9, 2026** through the link:

<https://www.harmo24.org/>

with indication of preference for oral or poster presentation and topic. Submission of extended abstracts will be open in February 2027, after confirmation of acceptance, through the website.

The **underlying driver** for all sessions is **modelling**, understood in general and wide terms, i.e. as modelling system, that include all components (meteorology, chemistry, dispersion, emissions...) as well as related datasets for evaluation.

Harmonisation of modelling approaches encompasses the following activities (not exhaustive): inter-comparison exercises, common evaluation protocols, shared datasets for model evaluation, etc.

Starting from these two key items, the HARMO Conferences build around ten key topics.

Topics 1 to 6 address harmonisation of modelling approaches in the following fields:

- T1: Approaches to model evaluation and quality assurance
 - T2: Regional / long-range scale modelling
 - T3: Urban Scale and Street Canyon Modelling
 - T4: Health and exposure assessments
 - T5: Inverse modelling, source identification and apportionment
 - T6: Dispersion modelling and exposure to accidental releases
- Topics 7 and 8 focus on the support to the development of regulatory models:

- T7: Air pollution management and decision support systems
 - T8: Support to EU legislation on air quality modelling
- Topics 9 and 10 are dedicated to new advancements and reviews of “golden papers” of the past
- T9: Theoretical studies on atmospheric processes for dispersion modelling
 - T10: Highlights of past works, which should not be forgotten

Special Sessions in Harmo24

- SS1: Modelling and measurement of emerging atmospheric pollutants and their indicators
- SS2: Machine learning in dispersion modelling

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.

Important Dates

Confirmation for acceptance of contributions submitted by **November 9, 2026**, will be made by **February 15, 2027**. Five-page extended abstracts should be submitted by **May 9, 2027**.

Conference registration: **June 14, 2027**. Start of the scientific program: **June 15, 2027**.

Conference fees

	Early Bird until 15.03.2027	Regular from 16.03.2027 to 16.05.2027	Late fee & on-site from 17.05.2027
Attendee	€ 550	€ 600	€ 650
Scientific Committee	€ 500	€ 550	€ 600
Student	€ 350	€ 400	€ 450
Accompanying person*	€ 185	€ 185	€ 185

The registration fee includes:

Ice-breaker, Social Dinner*, Lunches, Daily coffee breaks*

Registration for the conference and hotel options at attractive rates will be available through: <https://www.harmo24.org/>

Location

The Conference will take place at Ecole nationale des ponts et Chaussées on its Champs-sur-Marne campus. The venue is located 30 minutes away from the city centre of Paris and easy to reach by public transportation. Further information on the city of Paris and its sights can be found for example on <https://parisjetaime.com/eng/>

Organized by

ENPC is a major French engineering school founded in 1747 member of the Institut Polytechnique de Paris and of the EELISA university alliance. A multidisciplinary and multicultural institution with an international scope, it trains high-level engineers and executives, able to meet the major challenges of the ecological and digital transition in various fields, from applied mathematics to economics. At the same time, it develops cutting-edge research around 12 laboratories, some shared with other higher education establishments, research organizations and companies.

The EDF Group is a key player in the energy transition, as an integrated energy operator engaged in all aspects of the energy business: power generation, distribution, trading, energy sales and energy services. The Group is a world leader in low-carbon energy, with a diverse generation mix based mainly on nuclear and renewable energy (including hydropower). It is also investing in new technologies to support the energy transition.

AIRPARIF is the organisation accredited by the French Ministry of Environment to monitor air quality in the Greater Paris region. Airparif oversees the entire process of air quality data production and use: operating a network of monitoring stations, modelling and forecasting pollution levels, and developing emission inventories to identify and quantify sources. It also ensures monitoring, alerting, and reporting of pollution episodes, applying an integrated air-climate-energy-health approach. Airparif plays a central role in public awareness and communication, informing citizens, media, and decision-makers.