



Introduction to the 14th Harmonisation conference

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*Harmonisation within Atmospheric Dispersion Modelling
for Regulatory Purposes*

A bit of history...

- › **Kick-off meeting in Ispra, Italy in 1991**
- › **First workshop at Risø, Denmark in May 1992**
- › **Ever since then: conferences every 1½ year**
- › **Most recently in Paris, June 2010**
- › **The web site www.harmo.org contains proceedings of all conferences since 2001.**

[Harmonisation...](#) → [Conferences](#) → [Proceedings](#) → [13th conference \(Paris\)](#)

Proceedings from the Harmonisation conference in Paris - on-line access

[Harmonisation Home page](#)

13th conference:

[13th conference \(overview\)](#)

[On-line proceedings and presentations](#)

[Conference web site: www.harmo.org/harmo13](#)

See also:

[Information on all "Harmonisation..." conferences](#)

[Previous conferences: Papers](#)

Here is access to papers of the proceedings from the *13th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes* held in Paris, France, June 2010. These papers are extended abstracts, with a typical length of 5 pages. The papers are in PDF format.

Papers are only visible here if the author has given permission to publish the extended abstract on the web. About two thirds of authors had given such a permission by the end of July 2010. If you are an author and did not yet give such a permission, you can submit a request to harmo13@harmo.org.

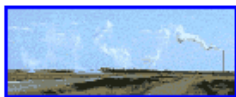
Some of the papers will be published in a full-length version in a special issue of the *International Journal of Environment and Pollution*.

Furthermore, for many of the papers presented orally a PowerPoint presentation is available. For many papers presented as posters a pdf version of the poster is available. Use the links below.

The papers

Choose between the following ways to access a paper (and the corresponding PowerPoint presentation or poster):

- [List papers by topic](#)
- [Search papers by author](#)
- [Search papers by keyword](#) (word in title)
- [List all papers](#) (sorted by author).



The conference is part of a series of conferences and other activities organised by the *Initiative on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes*.

Background for the kick-off meeting (Ispra, 1991)

- › **There was (and still is) a great number of regulatory models in use within Europe.**
- › **Generally, the models applied were not scientifically up-to-date.**
- › **There was a lack of common standards and tools.**

Harmonisation?

- › **It was never the idea to achieve complete harmonisation in the sense that one model is appointed as 'the one and only'.**
- › **Instead: Many tools, procedures and datasets should be harmonised in order to avoid unnecessary duplication of effort.**
- › **A central issue: How can we pool experiences and encourage re-use of our work?**
- › **One of the roles of the initiative: Help establish mechanisms for this.**

A wish for the coming days

- › **In your presentations, please highlight common tools. Make us aware of common resources that we may not all be aware of: Web sites, data sets, pools of experiences etc.**



Another central issue at the conference

- > **Work to ensure that model results are trustworthy**

Focus on aspects such as

- › **ensuring that models are scientifically sound**
- › **model validation**
- › **guidance to ensure proper use of models**
- › **promotion of good practices and elimination of bad**
- › **quality assurance with respect to model development**
- › **establishment of reference problems**
- › **ensuring proper exchange of experiences.**



What is going to happen the next days...

11.6.2008

EN

Official Journal of the European Union

L 152/1

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(Acts adopted under the EC Treaty/Euratom Treaty whose publication is obligatory)

DIRECTIVES

**DIRECTIVE 2008/50/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 21 May 2008
on ambient air quality and cleaner air for Europe**

FAIRMODE: Forum for AIR quality MODElling

- › **FAIRMODE is a modellers' network in support of the EU Air Quality Directive.**

It is a joint action by EEA and JRC/Ispra.

- › **Two major work groups**
 - › **WG1 on Guidance on the Use of Models**
 - › **WG2 on Quality Assurance of Models > *Has several subgroups***

Modelling guidance document



Special sessions

- > **FAIRMODE special session on Wednesday**
- > **Fukushima nuclear accident special session on Thursday**
- > **Special session on Multiscaling problems on Thursday**



Plenary sessions every morning

Ordinary sessions

- › **Mesoscale meteorology and air quality modelling (2)**
- › **Urban scale and street canyon modelling (5)**
- › **Model evaluation and quality assurance (4)**
- › **Modelling air dispersion and exposure to accidental releases (1)**
- › **Use of modelling in support of EU Air Quality Directives (1)**
- › **Environmental impact assesment (1)**
- › **Inverse dispersion modelling and source identification (2)**

Today's keynote speakers

- › **Philippe Thunis: EU air quality policy**
- › **Roger Brode: The United States Interagency Workgroup on Air Quality Modeling (IWAQM).**



Next Harmo conferences...

- > **In the steering committee we are open to suggestions**
- >

Thanks to...

- > **John Bartzis and his staff**
- > **University of West Macedonia**

- > **Our sponsors:**



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