



# Introduction to the 13th Harmonisation conference

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[Harmonisation...](#) → [Conferences](#) → [Proceedings](#) → [12th conference \(Cavtat\)](#)

## Proceedings from the Harmonisation conference in Cavtat - on-line access

[Harmonisation Home page](#)

### 12th conference:

[12th conference \(overview\)](#)

[On-line proceedings and presentations](#)

Conference web site:  
[www.harmo.org/harmo12](http://www.harmo.org/harmo12)

[Wiki on Atmospheric Dispersion](#)

Here is access to all papers of the proceedings from the *11th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes* held in Cavtat, Croatia, October 2008. These papers are extended abstracts, with a typical length of 5 pages. The papers are in PDF format.

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 a PowerPoint presentation is available.

### The papers

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

### See also:

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

[Previous conferences: Papers](#)

- [List papers by topic](#)
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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.**



# A new pool of data

- › **Web site established by John Irwin:**  
*Atmospheric and Diffusion Data Archive*
- › **Concerns data from past tracer and meteorological field experiments (Prairie Grass, Round Hill, Green Glow, Minnesota 1973 etc.)**
- › **”I believe available data sets should be posted on the web for access and use by the research community. It seems to me to be more cost-effective to archive and re-analyze these data sets than to repeat the underlying field studies at great expense.”**



<http://www.jsirwin.com>

## Atmospheric Transport and Diffusion Data Archive

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[Model Evaluation](#)

[Links](#)



### CAPTURE AND USE EXISTING DATA SETS

There are existing data from past tracer and meteorological field experiments that, as yet have not been fully converted to digital format.

This web site is my attempt to provide such data sets I have for use by others.

Many of these data sets, which were initially used to develop or test parameterizations for Atmospheric Transport and Diffusion (ATD) models, can yield additional, valuable results, for example, on concentration uncertainty and short-term fluctuations in concentration values.

I believe available data sets should be posted on the web for access and use by the research community. It seems to me to be more cost-effective to archive and re-analyze these data sets than to repeat the underlying field studies at great expense.



A Wiki exists on the subject of Atmospheric Dispersion Modelling


**A Wiki provides something that we normally miss in the community of atmospheric dispersion professionals:**

**An easy possibility to provide feedback and pool our experiences with procedures, data sets and models related to our work.**





# Home page of the Atmospheric Dispersion Wiki



[Hro](#) [my talk](#) [my preferences](#) [my watchlist](#) [my co](#)

[article](#) [discussion](#) [edit](#) [history](#) [protect](#) [delete](#) [move](#) [watch](#)

## Main Page

**Contents** [\[hide\]](#)

- [1 Wiki on Atmospheric Dispersion Modelling](#)
  - [1.1 Subjects - entry to the substance of the site](#)
  - [1.2 What is unique about this site?](#)
  - [1.3 Navigating the site using the "Categories" page](#)
  - [1.4 Active users and contributors](#)
  - [1.5 What's new on this site?](#)
  - [1.6 How do I add contents?](#)

## Wiki on *Atmospheric Dispersion Modelling* [\[edit\]](#)

This [wiki](#) addresses the international community of atmospheric dispersion modellers - primarily researchers, but also users of models. Its purpose is to **pool experiences gained by dispersion modellers during their work**.

The Wiki is still in its infancy, but you can help it grow by adding contents related to your work.

### Subjects - entry to the substance of the site [\[edit\]](#)

- [Dispersion models](#) (links to sites with models; comments on various types of models.)
- [Model evaluation](#) (tool boxes; results of model evaluation exercises)
- [Experimental data sets](#) (links to sites with data sets; comments on data sets)
- [Air pollutants](#) (articles concerning air pollutants such as PM, NO<sub>2</sub>, etc.)
- [Pet topics](#) (This is where you can contribute articles on your pet topics. Many experienced researchers have valuable experiences that should be communicated to others)
- [International networks on atmospheric pollution](#) (information and links to activities such as the "Harmonization initiative", ACCENT, CLEAR, COST 732, etc.)
- [National Agencies, Organization and Institutes](#) (Here is where to find or contribute articles describing any

**navigation**

- [Main Page](#)
- [Community portal](#)
- [Pages by category](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

**search**

[Go](#) [Search](#)

**toolbox**

- [What links here](#)
- [Related changes](#)
- [Upload file](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)

**wikia**

- [Wikia Home](#)
- [Report a problem](#)
- [Live wiki help](#)



# Address of the Wiki on Atmospheric Dispersion Modelling

**[AtmosphericDispersion.wikia.com](http://AtmosphericDispersion.wikia.com)**

**Forgot the address?**

**Search for**

***Wiki Atmospheric Dispersion***

**- or go through [www.harmo.org](http://www.harmo.org)**



# The next days...



11.6.2008

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Official Journal of the European Union

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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**



## Wednesday – morning plenary session

- › **Andrej Kobe of the EU Commission: On the use of modelling in support of the EU air quality directive**
- › **Bruce Denby: Guidance on the use of models for the EU air quality directive: An activity of FAIRMODE**



# FAIRMODE: Forum for AIR quality MODElling

- › **FAIRMODE is a modellers' network in support of the new 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***



# Today's keynote speakers

- › **Tyler Fox: US EPA perspectives on Regulatory modelling: Current practice and future directions**
- › **Akula Venkatram: Past and future of understanding air pollution through modelling.**



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