Introduction to the 11th Harmonisation conference

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Cambridge 2007

Helge Rørdam Olesen

**National Environmental Research Institute,
University of Aarhus, Denmark**

Chairman of the initiative on
Harmonisation within Atmosperic Dispersion Modelling for Regulatory Purposes

Initiative on

Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes

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www.harmo.org

A bit of history...

- Kick-off meeting in Ispra in 1991
- First workshop at Risø, Denmark in May 1992
- Two more workshops, then conferences every 1½ year
- Most recently in Crete, October 2005

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Background for the kick-off meeting (in 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.

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Harmonisation?

- It was never the idea to achieve complete harmonisation in the sense that one model is appointed as 'the one and only'.
- However: **Many tools, procedures and datasets should be harmonised**.

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Central issue

- Not just a matter of harmonisation, but about making the most of the knowledge – ensuring that acquired knowledge is not forgotten, but used and included in the decision-making process.

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- How can we pool experiences and encourage re-use of our work?

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Central issue

- Not just a matter of harmonisation, but about making the most of the knowledge – ensuring that acquired knowledge is not forgotten, but used and included in the decision-making process.
- How can we pool experiences and encourage re-use of our work?
- One of the roles of the initiative: Help establish mechanisms for this.

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Central issue (2)

- **Model evaluation.**

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- Model evaluation.
- Model evaluation is much more difficult than outsiders tend to think.

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Central issue (2)

- Model evaluation.
- Model evaluation is much more difficult than outsiders tend to think.
- Evaluation is important because we should assure that assessments based on modelling are considered trustworthy.

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What you'll hear the next few days...

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- The EU perspective: Andrej Kobe from DG ENV will brief us on new EU air quality regulation

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- The EU perspective: Andrej Kobe from DG ENV will brief us on new EU air quality regulation
- An **EEA-supported network for modellers**: Nicolas Moussiopoulos has the presentation *Towards a modelling network in support of the new Air Quality Directive*

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What you'll hear the next few days...

- **COST 732 special session *(Quality Assurance and Improvement of Micro-Scale Meteorological Models)***

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What you'll hear the next few days...

- COST 732 special session *(Quality Assurance and Improvement of Micro-Scale Meteorological Models)*
- Results from Air4EU (recommendations on Air Quality assessment by monitoring and modelling for regulated pollutants in Europe).

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What you'll hear the next few days...

- COST 732 special session *(Quality Assurance and Improvement of Micro-Scale Meteorological Models)*
- Results from Air4EU (recommendations on Air Quality assessment by monitoring and modelling for regulated pollutants in Europe).
- Airport special session

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What you'll hear the next few days...

- A 'Wiki' session this afternoon...

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A new potential of the Web

- A *Wiki* is a web site that allows users to easily create web pages and edit pages others have created.

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A new potential of the Web

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- Anybody can contribute to web pages on a Wiki.

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A new potential of the Web

- A *Wiki* is a web site that allows users to easily create web pages and edit pages others have created.
- Anybody can contribute to web pages on a Wiki.
- The Wikipedia is a prominent example of a Wiki.

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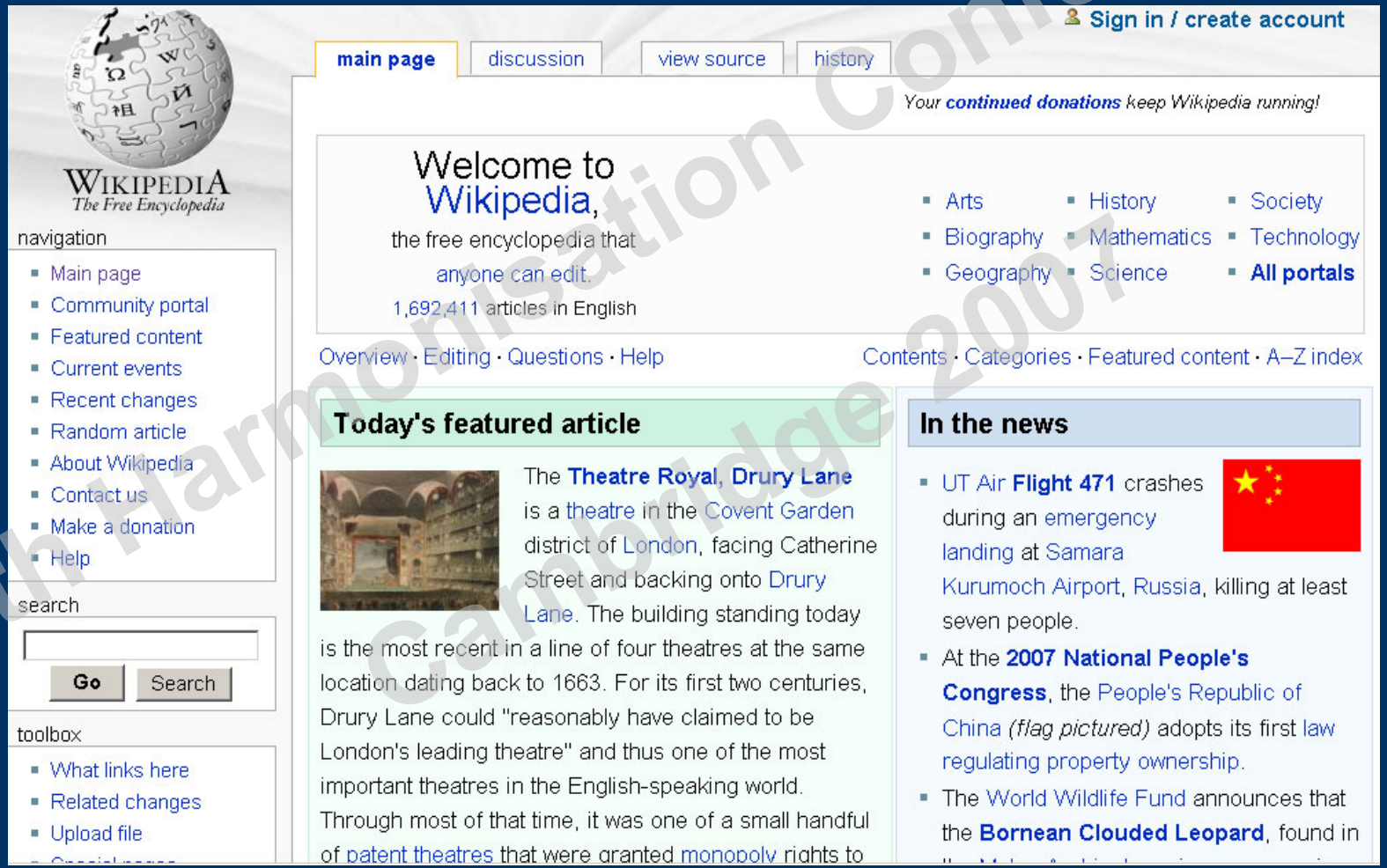
Wikipedia.org



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About the Wiki

- A potentially very useful tool to pool experiences – the Atmospheric Dispersion *Wiki*

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A Wiki has been launched 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.

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A unique feature of the Atmospheric Dispersion Wiki

- Warnings against pitfalls and common mistakes are of high interest.
- Researchers are encouraged to report on pitfalls they encounter, and which they would like to warn others against.

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Home page of the Atmospheric Dispersion Wiki

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

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_2, 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

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- National Agencies, Organization and Institutes (Here is where to find or contribute articles describing any national agencies,organizations and institutes that deal with atmospheric dispersion)
- User communities and national societies dealing with dispersion modelling. Links and issues of particular interest.
- Supplementary Information (Here is where to contribute or to look for miscellaneous dispersion modelling technical articles which do not fit into any of the above categories)

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Pet topics…

Pet topics - overview and introduction

Many knowledgeable researchers have pet subjects. They possess a vast experience, which newcomers to the field lack. Here, experienced researchers can in an informal way issue advice related to these pet subjects.

For instance, you may be able to warn others against certain pitfalls and common mistakes.

Do you feel that certain issues are under-exposed and should be more widely communicated to the atmospheric modelling community?

Here is your chance to do something about it!

Write an article here on the web. How? Make a link to it from the current page, and possibly also from other relevant pages. As the present page grows, it will be re-structured, and pertinent links will be added.

See also: Rules of conduct for the Atmospheric Dispersion Web site.

[edit]

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Experimental data sets

Role of the present wiki

[edit]

Web sites with data sets on atmospheric dispersion are plentiful.

The present site is intended to have at least two roles in respect to data sets:

- **Lists of data sets.** The site provides an entry to other sites where data sets can be obtained. The big potential of this site is that anybody can add links to *repositories of data sets* (use the page Data set repositories), as well as to *individual data sets* (use the page List of individual data sets). Therefore, the site has the potential to become more comprehensive than a site maintained by a single web master. However, it does not include a structured search function.
- **A forum for communication of experiences with data sets.** This site provides an opportunity for users of a data set to report their experience. Typically, data sets have pitfalls, such as data errors or insufficient documentation. Here is an opportunity to learn from other users of a data set. In order to establish a forum for a particular data set, or contribute to it, proceed to the page entitled Forum for individual data sets

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Contributions

Contributions can be actual information content, or they can consist of links to material elsewhere on the web.

The site has the potential to become far more comprehensive than a site maintained by a single web master, because anyone can contribute easily to the Wiki.

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Address of the Wiki on Atmospheric Dispersion Modelling

AtmosphericDispersion.wikia.com

Forgot the address?

Search for

Wiki Atmospheric Dispersion

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Wiki session

- Monday 17.20 – 18.00
- An informal session to demonstrate the Atmospheric Dispersion Wiki and discuss ideas on its potential and implementation

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Thursday – closing session

- If you have input, please contact Julian Hunt or me..

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