

GEMS-aerosol breakout session

2006 GEMS general assembly

7-8 February 2006

Agenda of the AEROSOL session of the GEMS general assembly

7 Feb 13.45-17.15 Presentations by WP and task leaders

13.45 Welcome and practical issues Olivier Boucher

13.55 WP1 Jean-Jacques Morcrette

14.10 WP1 Nicolas Huneus

14.25 WP1 Slimane Bekki

14.40 WP2 Mikhail Sofiev

14.55 WP2 Yves Balkanski

15.10 WP3 & PRO Angela Benedetti

15.25 WP3 David Fillmore

15.40 WP3 Jean-Francois Leon

15.55 Coffee/tea break

16.10 WP4 Colin O'Dowd

16.20 WP4 Stefan Kinne

16.30 WP4 Isabelle Chiapello

16.40 WP4 Hugo de Backer/Steven Dewitte

16.50 WP4 Harald Flentje/Harald Berresheim

16.00 Wrap-up

17.15 Adjourn

17.30-18.30 Cocktail at ECMWF

Agenda of the AEROSOL session of the GEMS general assembly

8 February 09.00-12.30

- 09.00 Breakout AER sessions: 1/ model configuration, 2/ satellite & 4D-VAR
Large Committee Room / Classroom
- 10.30 Coffee/tea break
- 11.00 Plenary AER session: report of breakout groups to plenary
- 11.30 Discussion on model sources
BB sources and injection height, industrial sources
- 12.30 Lunch break

8 February 13.30-17.00

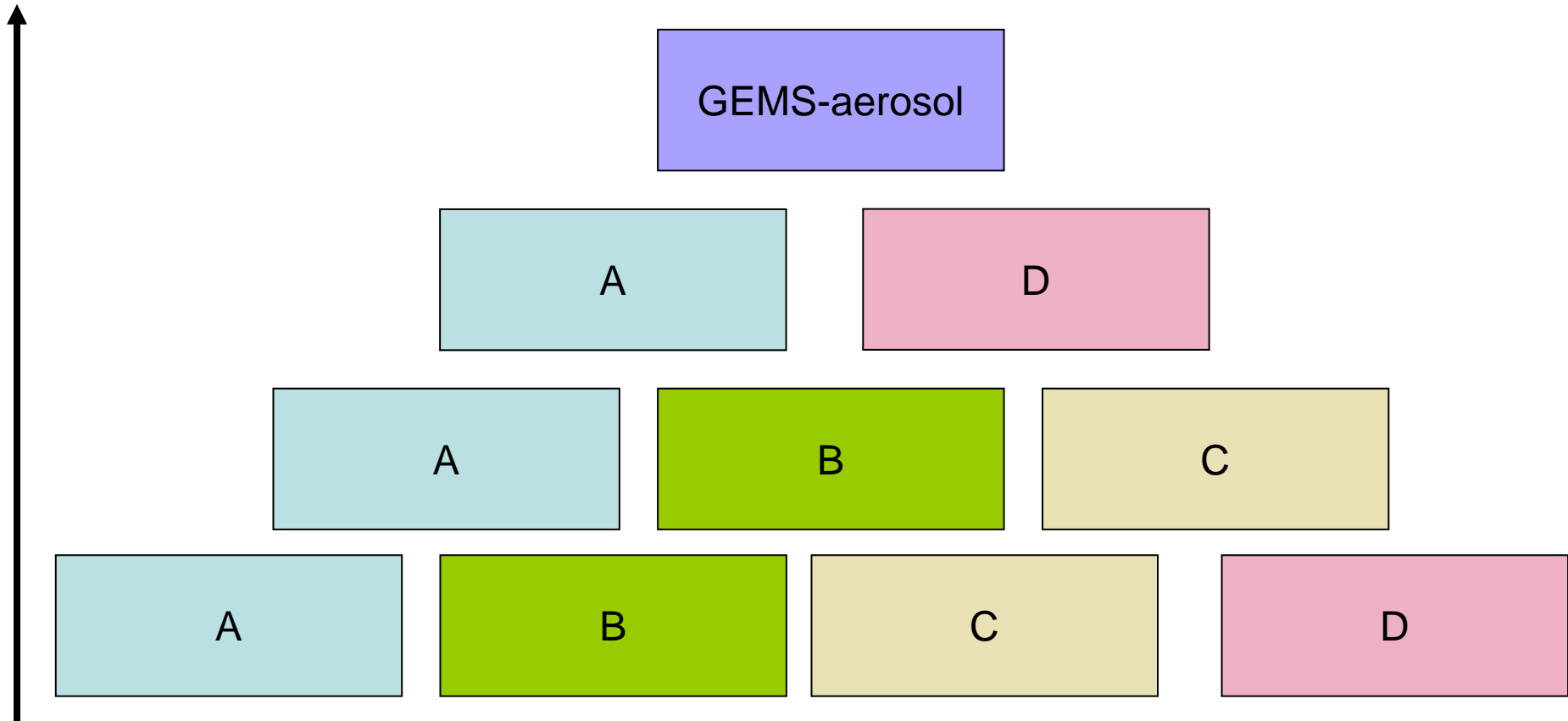
- 13.30 Discussion on model sources
Dust, sea-salt, stratospheric sources, trends, variability
- 14.30 Aircraft aerosol measurements Andreas Milikin DLR
- 14.35 Discussion on model evaluation
- 15.30 Coffee/tea break
- 16.00 Months 13-30 implementation plan, reporting, and wrap-up
- 17.00 Adjourn

List of people hired under GEMS-aerosol

January 2006

ECMWF	Noone hired yet	
MetOffice	Noone hired, internal resources are used	
CNRS_LOA	Bertrand Crouzille	Since 01 Jan 06
MPI-M	Stefan Kinne	Since 01 Mar 05
CEA-IPSL-LSCE	David Fillmore	Since 01 July 05
NUIG	Conor Milroy	Since 01 April 05
SA_UPMC	Noone hired, internal resources are used	
FMI	Noone hired, internal resources are used	
DWD	Harald Flentje	Since 01 August 05
RMIB	Alexander Mangold	Since 06 June 05

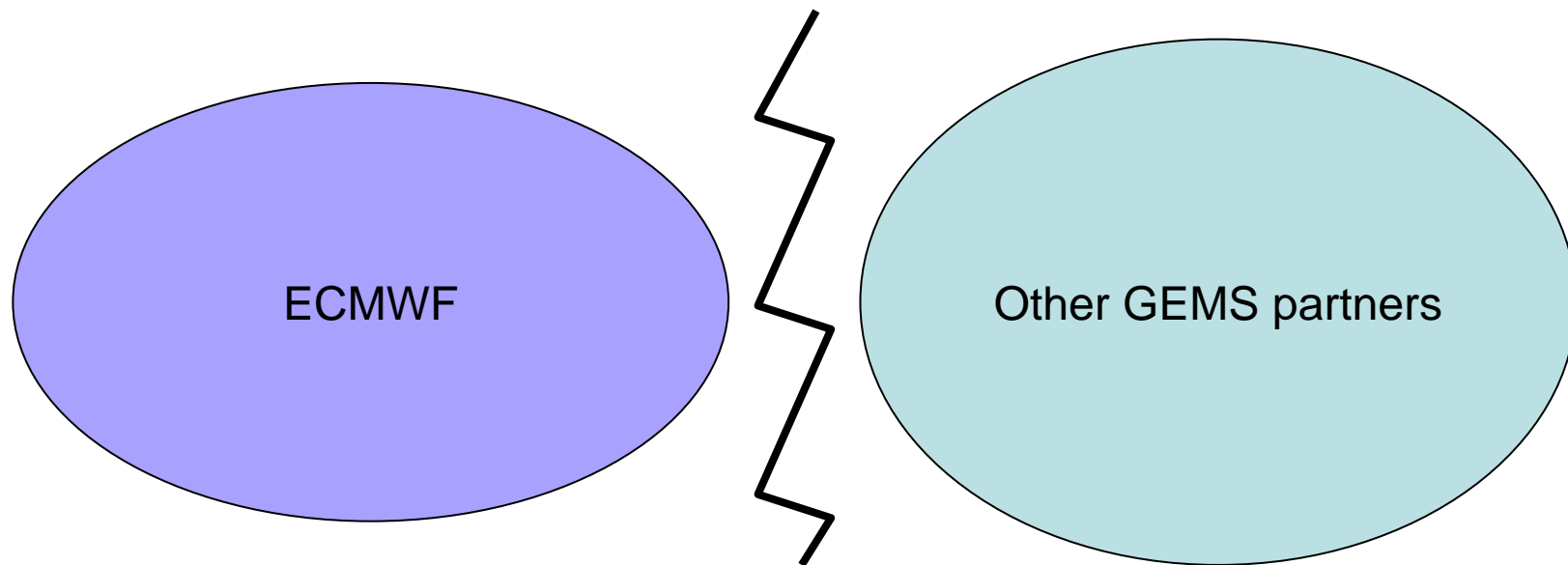
Corrections?



- GEMS-aerosol consists of many bricks which need to be assembled with each other
- Availability and timeliness are needed from all partners!

Risk #1: delay in one deliverable delays the whole project.

Risk #2: Two GEMS projects develop aside from each other



Who is doing what at ECMWF, related to GEMS-aerosol?

- **Jean-Jacques Morcrette**: direct modelling, radiance direct and adjoint codes, simulations
- **Angela Benedetti**: satellite data, error covariance matrices, simulations
- **Erik Andersson**: overseeing data assimilation of aerosol quantities
- **Soumia Serrar, Richard Engelen**: GHG sub-project
- **Johannes Kaiser**: HALO, emissions
- **Johannes Flemming**: GRG sub-project
- **Claude Gibert, Miha Razinger**: GEMS Web site
- **Agathe Untch, Anton Beljaars, Peter Bechtold**: transport of tracers
- **Martin Suttie**: Acquisition, archival and pre-processing of satellite data



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Here you will find applications for reporting, document exchange and discussions. Hopefully they will help in the exchange of ideas and opinions within the GEMS community.

You can find help about how to use the tools, input data, attach files and more in the [tutorial](#) pages.

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WP 2, Task 2.4, MB Report (mon 7-9), 11/2005	AER Reporting	2006-01-20	Miha Razinger
WP 4, Task 4.4, MB Report (mon 7-9), 11/2005	AER Reporting	2006-01-20	Miha Razinger
WP 4, Task 4.3, MB Report (mon 7-9), 11/2005	AER Reporting	2006-01-20	Miha Razinger

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Workpackages

WP_AER_1 Overview	Miha Razinger	2005-10-31 14:32
WP_AER_2 Overview	Miha Razinger	2005-10-31 14:32
WP_AER_3 Overview	Miha Razinger	2005-10-31 14:32
WP_AER_4 Overview	Miha Razinger	2005-10-31 14:32

Reports

All Reports

WP 1, Task 1.1, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 10:12
WP 1, Task 1.2, MB Report (mon 7-9), 11/2005	Miha Razinger	2005-10-27 16:06
WP 1, Task 1.3, MB Report (mon 7-9), 11/2005	Miha Razinger	2005-10-27 16:06
WP 1, Task 1.4, MB Report (mon 7-9), 11/2005	Miha Razinger	2005-12-21 09:42
WP 1, Task 1.5, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 10:52
WP 2, Task 2.1, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 10:56
WP 2, Task 2.2, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 10:57
WP 2, Task 2.3, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 10:58
WP 2, Task 2.4, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 11:05
WP 2, Task 2.5, MB Report (mon 7-9), 11/2005	Miha Razinger	2005-10-27 16:06
WP 3, Task 3.1, MB Report (mon 7-9), 11/2005	Miha Razinger	2005-10-27 16:06
WP 3, Task 3.2, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 10:59
WP 3, Task 3.3, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 10:59
WP 3, Task 3.4, MB Report (mon 7-9), 11/2005	Miha Razinger	2006-01-20 11:00

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Paragraph 2, line 1.
Paragraph 2, line 2.

Section title

- * Sub-section title
- ** Sub-sub-section title
- *** Sub-sub-sub-section title
- **** Sub-sub-sub-sub-section title

- * List item 1.
- * List item 2.

Paragraph contained in list item 2.

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- * Sub-list item 2

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Title

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Paragraph 2, line 1. Paragraph 2, line 2.

Section title

Sub-section title

Sub-sub-section title

Sub-sub-sub-section title

Sub-sub-sub-sub-section title

- List item 1.
- List item 2.

Paragraph contained in list item 2.

- Sub-list item 1.
- Sub-list item 2.
- List item 3. Force end of list:

Objectives of the meeting

1/ Review progress from all partners

2/ Make a number of key decisions

- model set up for the next year or so
- emission datasets
- satellite datasets for data assimilation
- interfaces with other sub-projects
- evaluation strategy

3/ Agree on and polish workplan for months 13 to 30

4/ Decide if interim aerosol meetings are needed

Project	MAM 2006	JJA 2006	SON 2006	DJF 2006/7	MAM 2007	JJA 2007
GHG Modelling at ECMWF	Continue validation of model transport, surface fluxes	Continue validation of model transport, surface fluxes	Assessment of GHG model performance in Data Assimilation	Assessment of GHG model performance in Data Assimilation	Assessment of GHG model performance in Data Assimilation	Prepare upgrades of GHG model
AER Modelling at ECMWF	Continue Validation of Aerosol Model	Continue Validation of Aerosol Model	Assessment of AER model performance in Data Assimilation	Assessment of AER model performance in Data Assimilation	Assessment of AER model performance in Data Assimilation	Prepare upgrades of AER model
GRG Modelling at ECMWF	Finalise Interfacing to CTM1	Continue Validation of IFS_CTM1 Interfacing	Continue Validation of IFS_CTM1 Interfacing	Assessment of GRG model performance in Data Assimilation	Assessment of GRG model performance in Data Assimilation	Assessment of GRG model performance in Data Assimilation
Pro 1 GHG DA System & Reanalysis	Validation of GHG Assimilation System	First trial GHG reanalyses	Production of GHG reanalysis 2003-2004, with reruns as needed	Production of GHG reanalysis 2003-2004, with reruns as needed	Production of GHG reanalysis 2003-2004, with reruns as needed	Prepare upgrades of GHG data assimilation system
Pro2 AER DA System & Reanalysis	Validation of GHG Assimilation System	First trial AER reanalyses	Production of AER reanalysis 2003-2004, with reruns as needed	Production of AER reanalysis 2003-2004, with reruns as needed	Production of AER reanalysis 2003-2004, with reruns as needed	Prepare upgrades of AER data assimilation system
Pro3 GRG DA System & Reanalysis	Validation of GHG Assimilation System	Validation of IFS_CTM1 Interfacing in 4D-Var	First trial GRG reanalyses	Production of GRG reanalysis 2003-2004, with reruns as needed	Production of GRG reanalysis 2003-2004, with reruns as needed	Production of GRG reanalysis 2003-2004, with reruns as needed
Pro 4 Technical Support &CTM Interfaces	GUI for Process control of IFS, OASIS4, CTM1	Complete GUI for Process control of IFS, OASIS4, CTM1	Interface IFS_CTM2, PREPIFS support for GEMS, including I remote users	Interface IFS_CTM3 and PREPIFS support for GEMS, including I remote users	Support for CTM interfaces & PREPIFS support for GEMS, including I remote users	Support for CTM interfaces & PREPIFS support for GEMS, including I remote users
Pro5 Technical observation processing	Complete data acquisition & re-formatting for 2003-2004	Begin data acquisition for 2000- 2002 & 2005-2006	Data formats and converters for GEMS observations and field variables	Data formats and converters for GEMS observations and field variables	Data formats and converters for GEMS observations and field variables	Data formats and converters for GEMS observations and field variables
Pro 6 Web interface and verification tools	Build web access to boundary conditions	Complete web-access to boundary conditions Begin archive of LAM runs	RAQ Data acquisition, Displays & Verification tools	RAQ Data acquisition, Displays & Verification tools	RAQ Data acquisition, Displays & Verification tools	RAQ Data acquisition, Displays & Verification tools