

8th Annual Meeting of the
European Meteorological Society

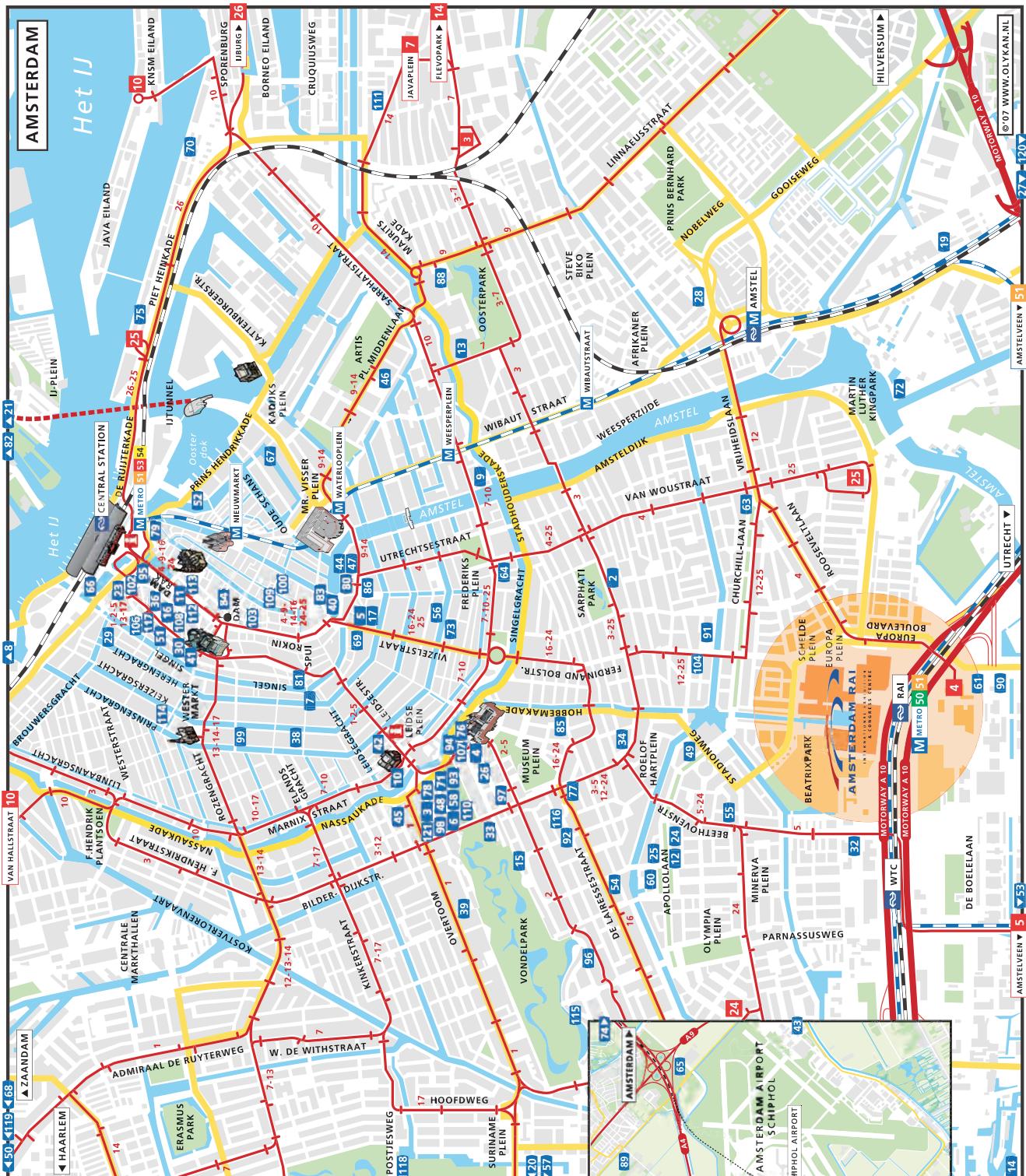
7th European Conference on
Applied Climatology (ECAC)



Programme Book

Amsterdam, The Netherlands, 29 September - 3 October 2008





AMSTERDAM RAI

RAI HOTEL & TRAVEL SERVICE

RAI Hotel & Travel Service
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KEY

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- M METRO/STATION
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- 77 HOTEL



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Welcome

Dear colleagues, welcome to the Eighth EMS Annual Meeting and the Seventh European Conference on Applied Climatology (ECAC) that are being held jointly in Amsterdam. These two meetings are aimed at bringing together scientists, National Weather Services, service providers, users, decision makers and manufacturers from across Europe and the programme has been designed to provide opportunities for discussions on future strategies in climatology and meteorology and the provision of climatological and meteorological services for society. And, of course, welcome to the bustling city of Amsterdam, with its charm and cultural attractions that will provide an inspiring environment for the five-day conference that lies ahead.

At a time when discussions on climate change and its impacts pervade every corner of society and its consequences are being felt in almost all the sectors of the economy, these meetings will, we hope, help to develop the societal information and benefits to meet the challenges of climate change. Both, the ECAC and the EMS programme reflect these challenges.

The theme of our meetings is “Adaptation”, highlighting the growing need for improved services that go beyond forecasting and warning systems and these improved services will need to involve stakeholders and decision makers alike.

Confronting these challenges, the ECAC programme includes an entirely new concept where sessions that discuss the understanding and prediction of climate have been twinned with sessions on adaptation to climate change and variability in various societal and economic sectors. The adaptation programme will cover an entire day. It will open with a plenary session on generic approaches to adaptation and end with a plenary that will summarize and discuss the results of the different breakout sessions that will be held between these plenary sessions.

The conference programme has five programme themes

- *Adaptation to Climate Change*
- *Understanding Climate*
- *Meteorology and Society*
- *Forecasting the weather at all time scales – THORPEX studies, developments in NWP, applications and societal impacts*
- *The Atmosphere and the Water Cycle*

The breadth of the conference programme reflects the challenges and tasks ahead.

A panel discussion devoted to *Communication on Climate Change* will focus on the different perspectives of scientists, journalists, stakeholders and policy makers.

During the conference week various organisations will use the opportunity to hold workshops, annual meetings and working group meetings, and we are delighted that these synergies are continuing to develop year on year. The conference will also feature an exhibition of companies involving manufacturers, service providers, publishing houses and European organisations. Fruitful exchange, network building, mutual inspiration is the underlying motivation for our meetings and we hope that during the week you will benefit accordingly.

The EMS and ECAC conferences would not have been possible without the work of the convenors that publicised and developed the sessions. We extend our sincere thanks for their commitment and hard work. We are also grateful to all who have contributed to make this meeting in Amsterdam a reality – the National Meteorological Service of the Netherlands (KNMI) that hosts the conference, the EMS Member Societies and Associates, the ECAC Advisory Board, the Copernicus organization, the Exhibitors.

It is expected that the conference will be attended by more than 500 participants and about 400 oral presentations will be given during the entire week. There will be poster sessions on Tuesday and Thursday evening and there will be ample opportunity to discuss more than 300 posters. We are looking forward to a very interesting and enjoyable week.

David M. Burridge (EMS President)
Frits Brouwer (Director-General KNMI)
Aryan van Engelen (ECSN Manager, Chair ECAC Advisory Board)

GENERAL INFORMATION

Location and Conference Address

The 8th EMS / 7th ECAC is held at the Amsterdam RAI, The Netherlands, from 29 September – 3 October 2008. The congress is open to the scientists of all nations.

Congress Centre

Amsterdam RAI
Europaplein 22
1078 GZ Amsterdam, The Netherlands
Tel: +31-20-549-1212
Fax: +31-20-646-4469
<http://www.rai.nl>

The congress centre is fully wheel chair accessible. The session programme will take place in the Forum Auditorium on the ground floor and lecture rooms L, M and N on the first floor.

Local Transport

A map is given on the inside front cover of the programme book.

By Tram & Bus

If you arrive at Amsterdam Central Station (CS), you can take the Amstelveen express tram 51 (travelling time: 12 minutes, exit at the Amsterdam RAI station) or tram 4 (travelling time: 30 minutes, exit at the RAI Europaplein). If you are travelling by train to the Amstel station, you can take the Amstelveen express tram 51 (travelling time: 5 minutes) or the bus (route 15, 69 or 169), which will bring you to the RAI within 10 minutes. In this case you should get off at RAI Europaplein. From Amsterdam Sloterdijk station, the best way to reach the RAI is with express tram 50.

The cheapest option to get around by tram, bus and metro is the "strippenkaart", which may be purchased at the ticket office at the Central station, post offices and most bookstores, tobacco shops and supermarkets.

By Metro

From Amsterdam Central Station (CS) or Amstel Station Metro Number 50 (direction Isolatorweg) and Number 51 (direction Westwijk) will bring you to RAI station.

By Train

NS-station Amsterdam RAI is 300 meters from the RAI and has regular connections to all parts of the Netherlands, like Schiphol, Rotterdam, Utrecht, The Hague and is also linked to the international rail network.

By Car

The RAI is ideally suited for visitors who come by car. It is situated alongside the Amsterdam's A10 orbital motorway (exit S109) and has its own underground car parks. All the

main motorways can be reached without difficulty from the orbital motorway.

Rules of Conduct

- Smoking is prohibited in the entire congress centre.
- It is prohibited to copy any presentation from the desktops in the lecture rooms.
- Please switch off any mobile phones in the lecture rooms.
- It is prohibited to take photos of any scientific material at the conference.

Official Language

The official language of the 8th EMS / 7th ECAC is English. Simultaneous interpretation is not provided. It is therefore expected that authors are able to present their research more or less fluently in the English language.

Insurances

The organizers cannot accept liability for personal accident, loss or damage to private property, which may be incurred as a result of the participation in the 8th EMS / 7th ECAC. Participants are, therefore, advised to arrange appropriate insurance cover. This should extend not only to travel but also to cancellation costs.

Conference Presentations on Internet

If you are interested that your presentation be made publicly available on the Internet, then send an e-mail **after 5 October 2008** to presentation_emsecac2008@emetsoc.org

- giving your agreement that the presentation be made public,
- sending the file to be published in PDF-format and no larger than 1.5MB in size.

Any file larger than the given threshold will not be uploaded. Deadline for receipt of presentations is **15 December 2008**.

Icebreaker Reception & Silver Medal Awards Ceremony

Location: Ruby Lounge

Date: Monday, 29 September 2008, 19:00–21:00

Recycling of Name Badges

When you leave the conference please recycle your name badge at the Registration & Information Desk.

Services (in alphabetical order)

Pharmacy

Pharmacy Rivieren
Maasstraat 135/137
1078 HE Amsterdam
Tel: +31-20-6425595

Maas Pharmacy
Maasstraat 71
1078 HE Amsterdam
Tel: +31-20-6641038

Post Box

There is a post box nearby the entrance to the Forum (entrance E).

Photocopies

A business centre providing photocopies and print-outs of files can be found in the Auditorium (Entrance G).

Public Telephone

Public telephones are located in the Forum Lounge near the cloakroom. They operate on credit cards.

Hotel & Travel Service

RAI Hotel & Travel Service
Postbus 77777
1070 MS Amsterdam
The Netherlands
Tel: +31-20-549-1927
Fax: +31-20-549-1946
hotelservice@rai.nl

WLAN (WiFi)

WLAN (WiFi) is available free of charge in all public areas. Also, Internet Terminals are located in the cybercafé in the Ruby Lounge.

Registration & Abstract Management

Copernicus GmbH
Max-Planck-Str. 13
37191 Katlenburg-Lindau
Tel: +49-5556-99555-0
Fax: +49-5556-99555-70
meetings@copernicus.org
www.copernicus.org



*THE EIGHTH INTERNATIONAL CONFERENCE
ON SCHOOL AND POPULAR METEOROLOGICAL
AND OCEANOGRAPHIC EDUCATION*

EWOC 2009, 6-10 July 2009

Prague, Czech Republic

hosted by Charles University



The themes of the conference:

- Climate change education
- Earth System Science education
- Role of new technologies in meteorology, oceanography and climate education
- Enhancing public awareness of meteorology, oceanography and climate through the media
- Science, society and schools
- The role of learned societies in educational outreach
- Meteorology, oceanography and climate studies in the curriculum
- Teacher training
- Student-centered educational programs
- Instruments and automated weather stations for the classroom
- Education, outreach for the coastal and marine environment
- Promoting diversity and enhancing the involvement of under-represented groups
- Informal education for meteorology, oceanography, and climate studies
- International education programs and collaborations

* EWOC = Education: Weather, Oceans, Climate

Workshops and demonstrations on meteorological and oceanographic topics which feature hands-on activities for the classroom will be included in the program.

For further information and pre-registration go to:

www.ewoc2009.org

Co-sponsors: the American Meteorological Society, the Royal Meteorological Society, the European Meteorological Society, the World Meteorological Organization and other meteorological and oceanographic societies and institutes around the globe

Registration & Information Desk

The registration & information desk is located in the Forum Lounge.

Opening Hours

Sunday, 28 September 2008
15:00–18:00

Monday–Thursday, 29 September – 2 October 2008
08:00–18:00

Friday, 3 October 2008
08:00–10:00

Oral Sessions

Monday, 29 September 2008

Timeblock 3	14:00–16:00
Break	16:00–16:30
Timeblock 4	16:30–18:30

Tuesday–Thursday, 30 September – 2 October 2008

Timeblock 1	08:30–10:30
Break	10:30–11:00
Timeblock 2	11:00–13:00
Lunch	13:00–14:00
Timeblock 3	14:00–16:00
Break	16:00–16:30
Timeblock 4	16:30–18:30

Friday, 3 October 2008

Timeblock 1	08:30–10:30
Break	10:30–11:00
Timeblock 2	11:00–13:00
Lunch	13:00–14:00
Timeblock 3	14:00–16:00

Poster Display Times

First Display Time

Monday–Tuesday, 29–30 September 2008, 08:00–20:00

Author in Attendance Time

Tuesday, 30 September 2008, 18:30–20:00

Authors are kindly requested to take down their posters on Tuesday, 30 September 2008, 20:00.

Second Display Time

Wednesday–Thursday, 1–2 October 2008, 08:00–20:00

Thursday, 2 October 2008, 08:00–13:00

Author in Attendance Time

Thursday, 30 September 2008, 18:30–20:00

Authors are kindly requested to put up their posters on Wednesday, 1 October 2008, 08:00 at the very earliest.

Posters are located in the Forum Lounge. Sticky tape is available at the registration & information desk.

Conference Committee 7th EMS Annual Meeting and 8th European Conference on Applied Climatology

David Burridge
Aryan van Engelen
Horst Böttger
Sylvain Joffre
Christof Appenzeller
Tanja Cegnar
Florrie de Pater
Heleen ter Pelkwick
Martina Junge

Breaks & Lunch

Coffee Breaks

10:30–11:00 and 16:00–16:30

Free coffee/tea will be served during the Coffee Breaks in the Forum Lounge and the Ruby Lounge.

RAI Snackbar

You can find a snackbar in the lounge of the Forum. It is open during the conference hours.

Nearby Bistros & Restaurants

Many restaurants can be found in de Scheldestraat (the street heading north from the RAI to the city), but also in other streets near the RAI. Below you can find a selection:

Vis aan de Schelde

Scheldeplein 4, Tel: +31-20-6751583, Fish restaurant (expensive)

Orbit

Scheldestraat 95, Tel: +31-20-6722922, Thai restaurant

't Vliegertje

Scheldestraat 79, Tel: +31-20-6798480, Bistro

Oceania

Scheldestraat 71/77, Tel: +31-20-6738907, Chinese restaurant

Rockefeller

Europaplein 2, Tel: +31-20-5491932, Bistro

Il Cavallino

Maastricht 67, Tel: +31-20-6753814, Italian restaurant

Eau de Vie

Maastricht 20, Tel: +31-20-6629588, French restaurant

Restaurant Due Mila

Maastricht 40, Tel: +31-20-673 74 59, Italian restaurant

Novotel

Europaboulevard 10, Tel: +31-20-5411123, hotel restaurant

Brasserie PAYS-BAS

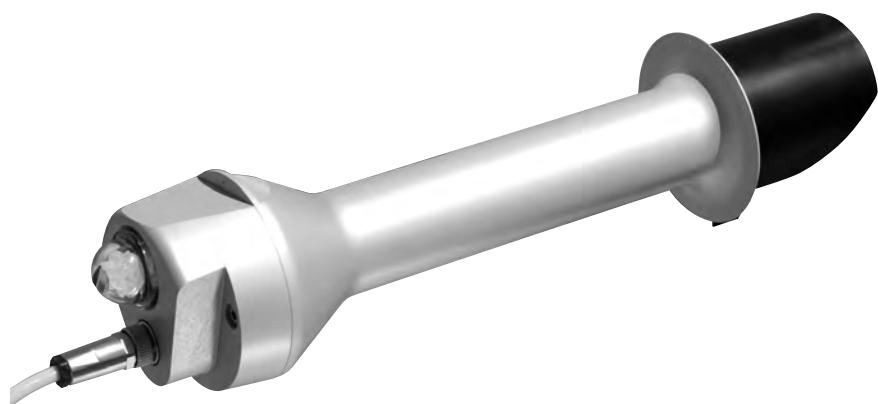
Gustav Mahlerplein 14, Tel: +31-20-6420673, Bistro

Djago

Scheldeplein 18, +31-20-6642013, Indonesian restaurant



**KIPP &
ZONEN**
SINCE 1830



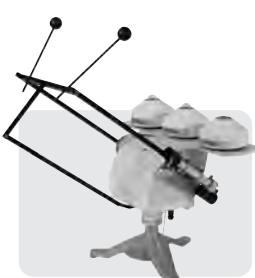
PASSION FOR PRECISION

in measuring Solar Radiation and Atmospheric Properties

Join our passion for the profession and attend the
Seminar on Solar Radiation Measurement
by our R&D Manager Dr. Joop Mes

Room M • Friday 3 October 2008 • 14:00 - 16:00 hours

Or visit our booth number 14 in the exhibition hall



Kipp & Zonen B.V.
Delftsempark 36, 2628 XH Delft
P.O. Box 507, 2600 AM Delft
The Netherlands

T: +31 (0) 15 2755 210
F: +31 (0) 15 2620 351
info@kippzonen.com
www.kippzonen.com

EXHIBITION

Exhibition Time:

Monday, 12:00–18:00

Tuesday–Thursday, 09:00–18:00

Please use the opportunity to visit the Exhibition in the "Ruby Lounge". You will find the exhibits of the following companies, institutions and societies (in alphabetical order):

Association of Hydro-Meteorological Equipment Industry Booth #2

7 bis, Avenue de la Paix

1211 Geneve 2

Switzerland

Attn. B. Sumner

Tel: +41-22-730-8334

Fax: +41-22-730-8340

hmei@wmo.int

www.hydrometeoindustry.org

Campbell Scientific Ltd.

Campbell Park, 80 Hathern Road

Shepshed LE12 9GX

UK

Attn. I. Thornton and J. Lamping

Tel: +44-1509-601141

Fax: +44-1509-601091

iain.thornton@campbellsci.co.uk

www.campbellsci.co.uk

Booth #3

Kipp & Zonen B.V.

P.O. Box 507

2600 AM Delft

The Netherlands

Attn. P. Akkermans and B. Dieterink

Tel: +31-1527-55210

Fax: +31-1526-20351

patrick.akkermans@kippzonen.com

www.kippzonen.com

Booth #14

Metek GmbH

Fritz-StraSSmann-Str. 4

25337 Elmshorn

Germany

Attn. S. Andersson and N. Flick

Tel: +49-4121-43590

Fax: +49-4121-435920

messe@metek.de

www.metek.de

Booth #6

Meteo France International (MFI)

Booth #8

Par Avenue - 9, Rue Michel Labrousse

31100 Toulouse

France

Attn. R. Dumeurger and Cedric Berg-
eron

Tel: +33-561-432940

Fax: +33-561-432941

info@mfi.fr

www.mfi.fr

METEOMODEM

Booth #5

rue de Bessonville

77760 Ury

France

Attn. P. Remy and P. Charpentier

Tel: +33-160-747460

Fax: +33-160-747419

rpepin@meteomodem.com

www.meteomodem.com

Scintec AG

Booth #4

Europaplatz 3

72072 Tübingen

Germany

Attn. V. Thiermann and B. Schrauf

Tel: +49-7071-921410

Fax: +49-7071-551431

info@scintec.com

www.scintec.com

Vaisala Oyj

Cybercafé

P.O.Box 26

00421 Helsinki

Finland

Attn. S. Jay

Tel: +358-9-894-92973

Fax: +358-9-894-92485

sari.jay@vaisala.com

www.vaisala.com

Wiley-Blackwell

Booth #9

The Atrium, Southern Gate

Chichester, PO19 8SQ

UK

Attn. G. Eastwood and F. Murphy

Tel: +44-1865-476380

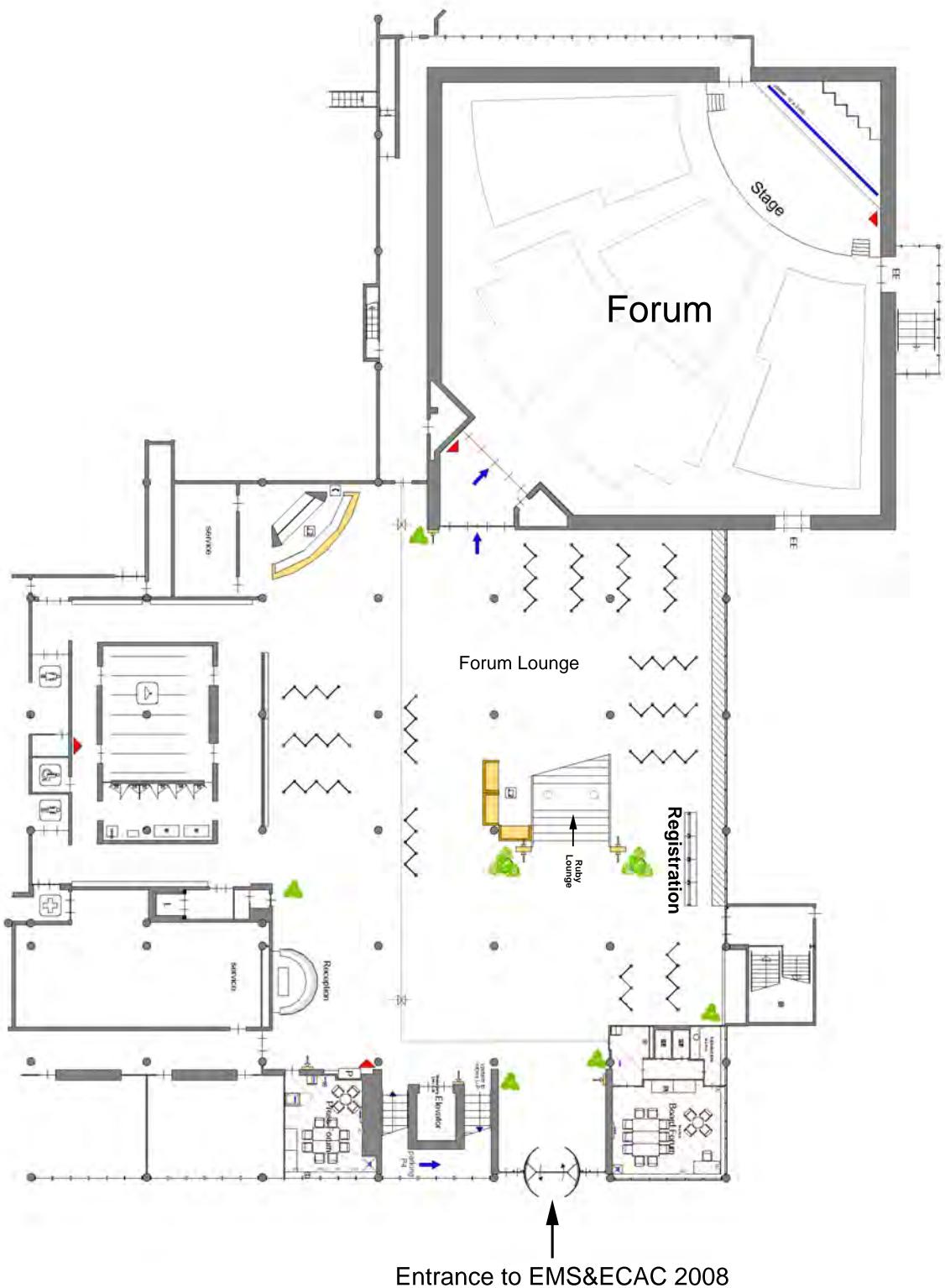
cs-books@wiley.co.uk

www.wiley.com

LOCATION MAPS

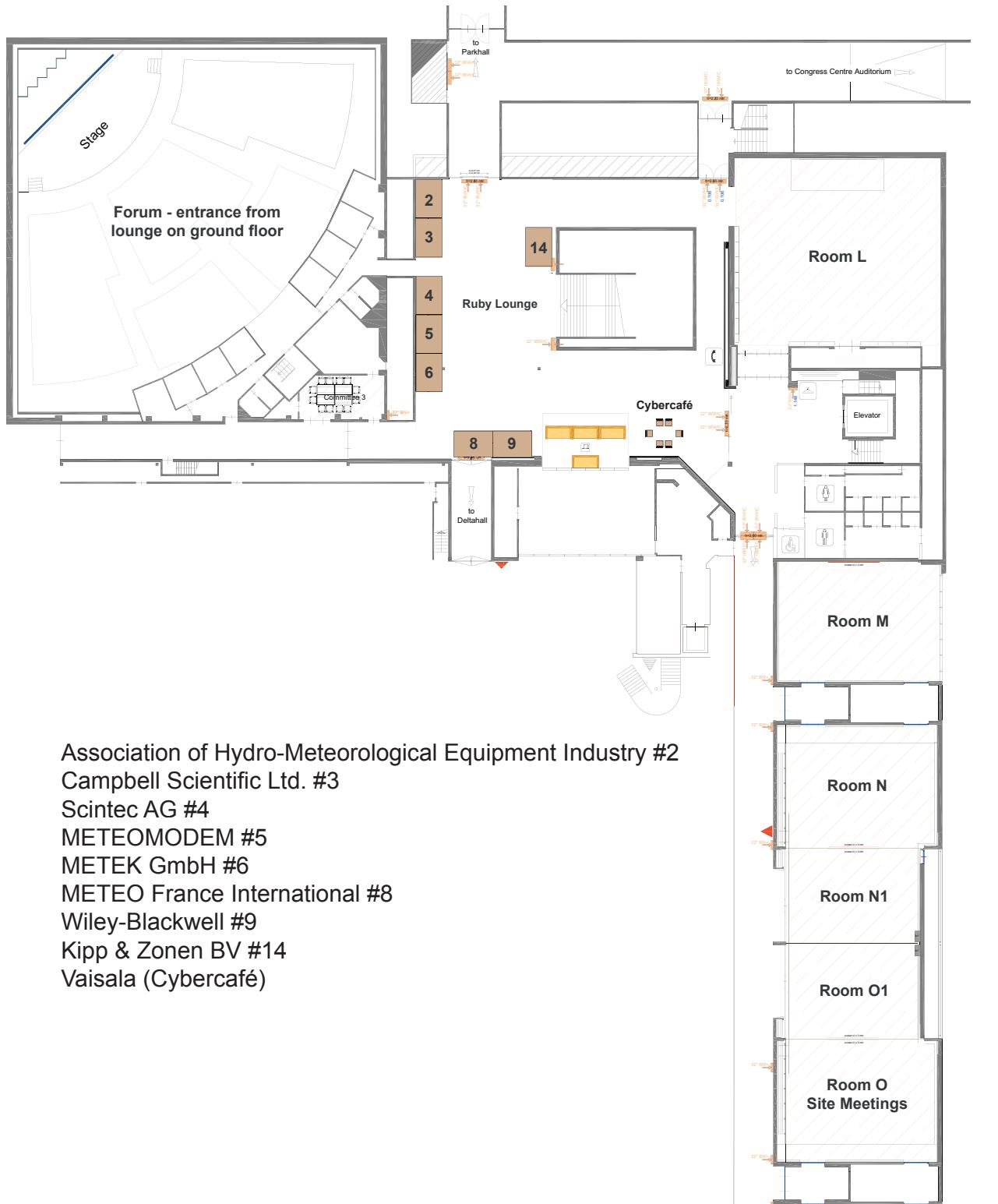
Forum Lounge Ground Floor

8th EMS / 7th ECAC
29 September – 03 October 2008



Ruby Lounge 1st Floor

8th EMS / 7th ECAC
29 September – 03 October 2008





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The Vaisala Group, specialist in environmental measurement technologies, welcomes you to the EMS Annual Meeting.

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8th EMS / 7th ECAC 2008

Session Overview

Day	Timeblocks	Forum	Room L	Room M	Room N
Monday	09:00 – 13:00	Opening (p. 14)	–	–	–
	14:00 – 16:00	UC1 (p. 19)	AW5 (p. 20)	AW3 (p. 19)	NWP1.2 (p. 21)
	16:30 – 18:30	UC1 (p. 19)	AW5 (p. 21)	AW3 (p. 19)	NWP1.2 (p. 21)
	19:00 – 21:00	Ice Breaker & Silver Medal Awards Ceremony (Ruby Lounge)			
Tuesday	08:30 – 10:30	UC1 (p. 24)	AW10 (p. 27)	AW12 (p. 30)	NWP1.3 (p. 33)
	11:00 – 13:00	UC2/NWP4 (p. 26)	AW11.1 (p. 28)	AW12 (p. 30)	NWP1.4 (p. 34)
	14:00 – 16:00	UC2/NWP4 (p. 26)	AW11.1 (p. 28)	AW13 (p. 31)	NWP1.1 (p. 32)
	16:30 – 18:30	UC2/NWP4 (p. 27)	AW11.2 (p. 29)	AW13 (p. 31)	NWP1.1 (p. 33)
Wednesday	18:30 – 20:00	Poster Sessions (Forum Lounge, Ground Floor)			
	08:30 – 10:30	UC3 (p. 36)	MS1 (p. 41)	MS2 (p. 42)	AW8 (p. 40)
	11:00 – 13:00	UC3 (p. 36)	MS1 (p. 41)	AW1 (p. 38)	AW8 (p. 40)
	14:00 – 16:00	Communication on Climate Change – Panel discussion	UC4 (p. 37)		AW6 (p. 39)
Thursday	16:30 – 18:30		UC4 (p. 38)		AW6 (p. 39)
	18:45 – 23:00	Conference Dinner (boat will leave exactly at 19:00 at the RAI harbour)			
	08:30 – 10:30	AC0 (p. 16)	MS4 (p. 53)	AW2 (p. 51)	UC5 (p. 46)
	11:00 – 13:00	AC2 (p. 49)	AC5 (p. 50)	AC1 (p. 48)	UC5 (p. 47)
Friday	14:00 – 16:00	AC4 continued until 17:00 after break (p. 50)	AC5 (p. 51)	AC3 (p. 49)	AW4 (p. 52)
	16:30 – 18:30	Adaptation Plenary: Panel Discussion	UC2/NWP4 (p. 44)	MS3 (p. 53)	AW4 (p. 52)
	18:30 – 20:00	Poster Sessions (Forum Lounge, Ground Floor)			
	08:30 – 10:30	UC2/NWP4 (p. 56)	UC5 (p. 58)	AW7 (p. 58)	UC3 (p. 57)
	11:00 – 13:00	UC2/NWP4 (p. 57)	UC1 (p. 56)	AW7 (p. 58)	UC3 (p. 57)
	14:00 – 16:00	UC2/NWP4 (p. 57)	UC1 (p. 56)	Radiation Short Course	

The Session Programme on page 18 – 59 for each day of the week is presented by Programme Group (UC – AC – AW – MS – NWP). The poster programme is normally listed after the end of the oral programme (exceptions: UC1 on Monday, UC2/NWP4 on Thursday and UC3 on Wednesday).

8th EMS / 7th ECAC 2008

Poster Sessions Overview & Author in Attendance Times

Day	Timeblock	Poster Area "Forum Lounge (Ground Floor)"				
Tuesday	18:30–20:00	UC1 (p. 24)	AW3 (p. 20)	AW5 (p. 21)	AW10 (p. 27)	AW11.1 (p. 28)
		NWP1.1 (p. 33)	NWP1.2 (p. 22)	NWP1.3 (p. 34)		AW11.2 (p. 30)
Thursday	18:30–20:00	UC2/NWP4 (p. 45)	UC3 (p. 37)	UC4 (p. 38)	UC5 (p. 47)	AC1 (p. 48)
		AW1 (p. 39)	AW2 (p. 52)	AW4 (p. 52)	AW6 (p. 40)	AC2 (p. 49)
		MS1 (p. 53)	MS2 (p. 42)	MS3* (p. 53)	MS4 (p. 54)	AC3 (p. 50)
					AW7 (p. 59)	AC4 (p. 50)
					AW8 (p. 41)	AC5 (p. 51)

* posters are located in Room M

Wine, water and snacks are served during the Author in Attendance Times.

**Please be aware that changes in the programme may occur after the page proof state of the programme book.
For up-to-date information consult the online programme at <http://meetings.copernicus.org/ems2008>,
and the "Daily Programme" displayed in front of the lecture rooms.**

Side Meetings

Tuesday

- 18:45 – 20:00 **EMS/ECAM 2009** Programme Committee
Contact: Martina Junge

Room O, First Floor

Wednesday

- 09:00 – 17:00 **EUMETNET Working Group Environment**
Contact: Sylvain Joffre

Room O, First Floor

Thursday

- 09:00 – 18:00 **COST 728: Mesoscale modelling for air pollution applications**
Working Group meeting on parametrization schemes, online models, applications and model evaluation
Contact: Ranjeet Sohki

Room O, First Floor

- 09:00 – 18:00 **COST 728: Mesoscale modelling for air pollution applications**
Working Group meeting on parametrization schemes, online models, applications and model evaluation
Contact: Ranjeet Sohki

Room N1-O1, First Floor

- 16:30 – 18:30 **European Severe Storms Laboratory e.V.**
General Assembly
Contact: Nikolai Dotzek

Board Room, Ground Floor

Friday

- 9:00 – 18:00 **COST 728: Mesoscale modelling for air pollution applications**
Case studies: results and model performance evaluation
Contact: Ranjeet Sohki

Room O, First Floor

- 14:00 – 18:30 **CIRCE Workshop on modelling of the Mediterranean Climate**
Contact: Silvio Gualdi

Room N, First Floor

Opening session

RAI Forum, 29 September 2008, 09:00 – 13:00

09:00 – 10:00 Welcome Addresses and Awards Ceremony

David Burridge, EMS President
Frits Brouwer, KNMI Director-General
Aryan van Engelen, ECSN Manager

J.C. Huizinga-Heringa, Secretary of State,
Ministry of Transport and Water Affairs, The Netherlands
Pier Vellinga, Free University of Amsterdam
Clare Goodess, ENSEMBLES
Ben Dieterink, HMEI

Awards Ceremony

EMS Young Scientist Travel Awards
EMS Young Scientist Award
Kipp & Zonen Award for Boundary Layer Meteorology

10:00 – 10:30 Coffee Break

10:30 – 13:00 Strategic Lectures

Chair: David Burridge

Jean Palutikof: IPCC WG II, Head TSU
- *on the main messages from the IPCC Fourth Assessment Report: impacts of climate change*

Michel Jarraud, Secretary-General WMO
“*The evolving role of WMO in climate change adaptation*”

André Jol, EEA Head of Group Climate Change & Energy
- *on Impacts of and adaptation to climate change in Europe*

Walter Dabberdt, AMS President
“*A Perfect Storm? – The looming urban grand challenge*”

Tim Palmer, ECMWF
“*Seamless prediction of weather and climate: bringing the insights and constraints of NWP into the climate-change arena*”

13:00 The End

Why should they believe us?
– Communication on Climate Change

RAI Forum, 1 October 2008, 14:00 – 18:30

14:00 – 15:45 Strategic Lectures

Facilitator/Chair: P. van der Geer
Director debate & dialogue, The Netherlands

Opening Presentation
To be announced

Tayloring climate information for adaptation strategies and measures
Dr. A Feit
KNMI, The Netherlands

From climate assessment to climate services
Prof. Dr. M Visbeck
Director IFM Geomar, Germany

Climate communication in the Netherlands
Dr. R van Dorland
KNMI, The Netherlands

A scientific view on communications
Prof. Dr. C van Woerkom
Wageningen University, The Netherlands

15:45 – 16:15 Coffee Break

16:15 – 17:30 Panel Discussion

Facilitator: P. van der Geer
Director debate & dialogue, The Netherlands

Panel:

To be announced

R. Black (invited)
BBC, United Kingdom

Dr. I. Meinke
Northern German climate office, GKSS Research Centre, Germany

Dr. F. Raes
JRC, ISPRA, Italy

Ir. J. van den Berg
DHV, The Netherlands

M. Helmer.
Climate Centre, Red Cross International

17:30 Press Conference

Generic Adaptation Approaches

RAI Forum, 2 October 2008, 08:30 – 10:30 and 17:00 – 18:30

Organisers

Jeroen Aerts, Free University Amsterdam
Florrie de Pater, Free University Amsterdam

Dealing with climate change and climate variability is generally considered to be one of the largest challenges for the coming decades, on all geographical scales, across all economic sectors. The urgency to take action is more apparent than ever, yet clear guidance on exactly how to respond to the challenge of climate change is often lacking. A consensus, however, is emerging around the viewpoint that it is not only necessary to mitigate climate change by reducing greenhouse gas emissions but also to adapt to the inevitability of climate change by preparing for impacts and reducing vulnerability in all sectors.

The adaptation session will assess impacts of climate change, what adaptation strategies are available in Europe and what type of information, such as climate scenarios, is required to develop and evaluate the effectiveness of adaptation strategies in various sectors. The adaptation session also highlights bottlenecks and gaps in current knowledge and sets the agenda for science to better meet the requirements of end users and policy makers in the various sectoral domains (water, health, nature, finance, urban areas, agriculture, etc.).

The general adaptation session AC0 starts with five key note presentations of adaptation studies in different sectors and highlights the following issues:

- the type of *climate scenarios* needed for adaptation studies
- the type of *effects* that may appear under climate change and an assessment of the risks when adaptation policies are neglected
- the type of *adaptation options* available to mitigate climate vulnerability
- how EU and National *policies* support adaptation strategies or what policies are missing
- how *stakeholders* are involved in developing adaptation policies.

These five issues are key for the discussion in each of the break-out sessions AC1-AC5. Within each of these sessions, various presentations will highlight different aspects of each of these issues and at the end of the session a summary will be made as to how each issue is currently addressed in EU member states and what actions, policies and scientific information are still missing.

Key note Programme (08:30 – 10:30)

Prof. Jacqueline McGlade (Executive Director, European Environment Agency)
Prof. Dr. Peter Höppe (Head Geo Risks Research/Corporate Climate Centre, Munich RE)
Dr. Bettina Menne (Medical Officer Global Change and Health, WHO Regional Office for Europe)
Alex Nickson (Strategy Manager, Climate Change Adaptation and Water, Greater London Authority)
Ir. Rob Roggema (Manager Strategy and Integrated Spatial and Environmental Policy, Province of Groningen)

Session feedback & Panel Discussion (17:00 – 18:30)

The findings of each break out session will be reported back by the conveners in a plenary session where a discussion takes place with a panel of specialists:

Panelmembers:

Prof. Dr. Pier Vellinga (Wageningen University)
Prof. Dr. Peter Höppe (Munich RE)
Dr. Marianne Kuijpers-Linde (Geodan Next)
Dr. Bettina Menne (World Health Organization)
Alex Nickson (Greater London Authority)
Maryam Golnaraghi (World Meteorological Organization)

Awards

Silver Medal Awards Ceremony, 29 September 2008, 19:30, Ruby Lounge

The EMS Silver Medal Laureates 2008:



Karin Labitzke

Professor Emeritus, FU Berlin.

Silver Medal Lecture:

Variability in the Stratosphere: The Sun and the QBO

Monday, 29 September 2008

14:15 – 14:45

Room L



René Morin

First EMS President (1999 – 2002).

Silver Medal Lecture:

Social, Economic and Political Impact of Meteorology.

Wednesday, 1 October 2008

08:30 – 09:00

Room L

Young Scientist Travel Awards

Ivana Cvijanovic

The influence of shallow subsurface moisture and heat transport on the mass and energy balances at the land surface

Monday, 29 September 2008

18:15 – 18:30

Room M



Valerie Trouet

A multi-proxy reconstruction of multidecadal winter NAO variability over the past millennium

Wednesday, 1 October 2008

15:00 – 15:15

Room L



Gabriella Szepszo

Preliminary results based on the climate change simulation with the REMO model over Carpathian Basin

Friday, 3 October 2008

15:30 – 15:45

Room L

Also: poster EMS2008-A-00645

Katja Matthes

Modelling Solar Cycle and QBO effects in the Atmosphere

Monday, 29 September 2008

14:45 – 15:00

Room L



Linus Magnusson

A new method for ensemble prediction

Monday, 29 September 2008

16:30 – 16:45

Room N



John Hanley

Extreme midlatitude cyclones and their relationship to large-scale modes of variability in the Northern Hemisphere

Thursday, 2 October 2008

09:30 – 10:00, Room N

Anton Shkaruba

Classification of geophysical environments for stratified random sampling designs

Tuesday, 30 September 2008

14:15 – 14:30

Room M

The EMS Broadcast Meteorologist Award



Mr. Bill Giles (O.B.E.) has quite literally spent his entire career forwarding the field of Broadcast Meteorology. His long professional career encompassed decades on air-work, culminating in his leadership of the team of Broadcast Meteorologists at the BBC Weather Centre. He has staunchly supported and helped to drive the developing industry of "scientifically sound" weather presentations with his constant mentoring of younger broadcasters.

The Award is presented on Wednesday, 1 October 2008, 12:30, Room L.

Also the TV Weather Forecast Trophy Award and the EMS Outreach & Communication Award will be presented at this time in Room L.

SESSION PROGRAMME

MONDAY

		Monday, 29 September 2008		
		OPENING CEREMONY 9:00 – 13:00		
	Forum	Lecture Room L	Lecture Room M	Lecture Room N
	UC1: Climate change Assessments: trends and variability – 1	AW5: Interrelationships Earth & Space Meteorology – 1 A-00717: Messerotti, M	AW3: Small scale processes – 1 A-00227: Couvreux, F	NWPI.2: Ensemble Forecasting – 1 A-00044: Bougeault, P
A-00072: Philipona, R	A-00025: Labitzke, K <i>Silver Medal Lecture</i>	A-00148: Vila-G. de Arellano, J A-00061: Bott, A	A-00182: Pacagnella, T A-00101: Montani, A	
A-00486: van Oldenborgh, G.J	A-00375: Matthes, K – YSTA A-00425: Rozanov, E	A-00069: Kuell, V A-00158: Pergaud, J	A-00092: Diomedè, T A-00086: Keller, J	
A-00302: Rebetez, M	A-00653: Scherer, K	A-00196: Xu, KM	A-00143: Bourguin, P	
A-00559: Wibig, J	A-00603: Vanina-Dart, LB	A-00019: Webster, S	A-00172: Gebhardt, C	
A-00100: Monteiro, A	A-00707: Tinsley, BA	AW3: Small scale processes – 2	NWPI.2: Ensemble Forecasting – 2	
A-00157: Tietväinen, H				
A-00496: Bachner, S	A-00127: Bosveld, FC			
UC1: Climate change Assessments: trends and variability – 2	AW5: Interrelationships Earth & Space Meteorology – 2			
A-00666: Bojariu, R	A-00695: Unruh, Y A-00480: Krivovan, NA			
A-00735: Cappelen, J	A-00701: Wintoft, P	A-00687: Baas, P	A-00478: Stappers, RJ	
A-00138: Pal, I	A-00113: Benestad, RE	A-00048: Mahrt, L	A-00621: Broeker, J	
A-00009: Williams, C	A-00514: Lundstedt, H	A-00575: Viana, S	A-00312: Swerdfeld, S	
A-00699: Agnilar, E	A-00696: Veizer, PR	A-00474: Anderson PS	A-00372: Kilpinen, J	
A-00463: Hovsepyan, A		A-00090: Andreas, EL	A-00389: Moritz, K	
A-00320: Baldi, M		A-00381: Cvijanovic, I – YSTA	A-00311: von Bremen, L	
		16:30 – 18:30		

7th European Conference on Applied Climatology (ECAC)

UC1 Climate change assessments: trends and variability - ORAL PROGRAMME

Convener: Jones, P.
Co-Convener(s): Rebetez, M., Heino, R., Klein Tank, A.
Lecture Room: Forum
Chairperson: JONES, P.

14:00–14:30; EMS2008-A-00072

Philipona, P.

How declining aerosols and rising greenhouse gases forced rapid warming in Europe since the 1980s (solicited)

14:30–14:45; EMS2008-A-00486

van Oldenborgh, G.J.; Drijfhout, S.S.; van Ulden, A.; Haarsma, R.; Sterl, A.; Severijns, C.; Hazeleger, W.; Dijkstra, H.
Western Europe is warming much faster than expected

14:45–15:00; EMS2008-A-00302

Rebetez, M.

Analysis of the shift induced by climate change in the spring frost risk in Switzerland

15:00–15:15; EMS2008-A-00559

Wibig, J.

Warm and cold spells in Poland in the period 1951-2006

15:15–15:30; EMS2008-A-00100

Monteiro, A.

Urban impact in a medium size city - an overview of Oporto century climatological data (1900-2006)

15:30–15:45; EMS2008-A-00157

Tietäväinen, H.

Precipitation changes in Finland during the last 100 years based on spatially interpolated data

15:45–16:00; EMS2008-A-00496

Bachner, S.; Kapala, A.; Simmer, C.

Long-term variability of daily hydrometeorological data

16:00 Coffee Break

Chairperson: HEINO, R.

16:30–17:00; EMS2008-A-00666

Bojariu, R.; Garcia Herrera, R.; Gimeno, L.; Zhang, T.; Frauenfeld, O.
Cryosphere-atmosphere interaction related to NAO variability and change (solicited)

17:00–17:15; EMS2008-A-00735

Cappelen, J.; Hanna, E.; Huybrechts, P.; Steffen, K.; Huff, R.; Shuman, C.; Irvine-Fynn, T.; Wise, S.; Griffiths X. Fettweis, M.; Luckman M.H. Ribergaard, A.
Global warming hits Greenland

17:15–17:30; EMS2008-A-00138

Pal, I.; Al-Tabbaa, A.

Trends in seasonal precipitation extremes – an indicator of 'climate change'

17:30–17:45; EMS2008-A-00009

Williams, C; Kniveton, D; Layberry, R

Extreme rainfall events over southern Africa: individual and combined influence of Atlantic SST on rainfall variability

17:45–18:00; EMS2008-A-00699

Aguilar, E.; BRAZAVILLEWORKSHOP

Evolution of temperature and precipitation extreme indices over Western Central Africa, Guinea Conakry and Zimbabwe, 1955-2006.

18:00–18:15; EMS2008-A-00463

Hovsepyan, A.

Assessment of historical trends and future climate changes over Armenia

18:15–18:30; EMS2008-A-00320

Baldi, M.; Salinger, J.

Observed trends in New Zealand climate – mean and extremes – over 1951-2007

18:30 END OF ORAL PROGRAMME UC1
(to be continued on Tuesday)

Atmosphere and the Water Cycle

AW3 Formulation, validation and forecasting of Small-scale Processes in Atmospheric Models

- ORAL PROGRAMME

Convener: Holtslag, B.

Co-Convener(s): Steeneveld, G., Heus, T.

Lecture Room M

Chairperson: N.N.

14:00–14:30; EMS2008-A-00227

Couvreux, F.; Guichard, F.; Rio, C.

What can be learned from Large-Eddy Simulations on boundary layers? (solicited)

14:30–14:45; EMS2008-A-00148

van Heerwaarden, C.C.; Vila-Guerau de Arellano, J.; Moene, A.F.

The influence of dry air entrainment on a growing convective boundary layer through land surface feedbacks

14:45–15:00; EMS2008-A-00061

Bott, A.

Theoretical considerations on the mass and energy consistent treatment of precipitation in cloudy atmospheres

15:00–15:15; EMS2008-A-00069

Kuell, V.; Bott, A.

HYMACS: A hybrid mass flux convection scheme for use in non-hydrostatic NWP models

15:15–15:30; EMS2008-A-00158

Pergaud, J.; Masson, V.; Malardel, S.

Parameterization of Dry Thermals and Shallow Cumuli based on the EDMF approach for Mesoscale Numerical Weather Prediction

15:30–15:45; EMS2008-A-00196

Xu, K. M.

Evaluation of Cloud Physical Properties of ECMWF Analysis and Re-Analysis (ERA-40 and ERA Interim) against CERES Tropical Deep Convective Cloud Object Observations

15:45–16:00; EMS2008-A-00019

Webster, S.

Progress towards operational implementation of enhanced vertical resolution in the global forecast version of the Met Office Unified Model

16:00 Coffee Break

Chairperson: N.N.

16:30–17:00; EMS2008-A-00127

Bosveld, F.C.; de Bruijn, E.I.F.; Holtslag, A.A.M.

Intercomparison and Evaluation of Single-Column Models for GABLS3, Preliminary Results (solicited)

17:00–17:15; EMS2008-A-00687 Baas, P. ; Bosveld, F.C.; van Meijgaard, E. How sensitive are Single Column Model results to the prescribed large-scale forcings?	P0064; EMS2008-A-00034 Casso-Torralba, P.; Vila-Guerau de Arellano, J. ; Bosveld, F.; Soler, M.R.; Vermeulen, A.; Werner, C.; Moors, E. Diurnal and vertical variability of the sensible heat and carbon dioxide budgets in the atmospheric surface layer
17:15–17:30; EMS2008-A-00048 Mahrt, L. Stochastic examination of mesoscale motions in stratified and neutral boundary layers	P0065; EMS2008-A-00085 Ács, F. ; Horváth, Á.; Breuer, H. Sensitivity of storms' precipitation to soil hydraulic characteristics
17:30–17:45; EMS2008-A-00575 Viana, S. ; Yagüe, C.; Maqueda, G.; Morales, G.; Ramos, D. Propagation of an intense wave-like motion over a weakly-stratified stable boundary layer during SABLES2006 field campaign.	P0066; EMS2008-A-00331 Sivertsen, T.H. Discussing certain features of 'physical conservation laws' in dynamical meteorological systems on local scale and meso scale
17:45–18:00; EMS2008-A-00474 Anderson, P. S. Theoretical Considerations of Firn Ventilation due to Internal Gravity Waves over Porous Surfaces.	P0067; EMS2008-A-00459 Masson, V.; Hidalgo, J.; Pigeon, G.; Lemonsu, A.; Acero, J.A. Methodology to take into account urban climate in city adaptation strategies
18:00–18:15; EMS2008-A-00090 Andreas, E.L. ; Grachev, A.A.; Fairall, C.W.; Person, P.O.G.; Guest, P.S.; Horst, T.W.; Jordan, R.E. A new bulk flux algorithm to predict turbulent surface fluxes over summer sea ice and the marginal ice zone	P0068; EMS2008-A-00604 Heus, T. ; Pols, C.F.J.; Jonker, H.J.J.; van den Akker, H.E.A.; Lenschow, D.H. Analysis of the downward transport in RICO observations
18:15–18:30; EMS2008-A-00381 Cvijanovic, I. ; Kollet, S.; Bayer, P. The influence of shallow subsurface moisture and heat transport on the mass and energy balances at the land surface	P0069; EMS2008-A-00607 Fock, B. H.; Kalb-Rottmann, P.; Schlinzen, K. H. Evaluation of the micro-scale model MITRAS
<hr/> 18:30 END OF ORAL PROGRAMME AW3 <hr/>	
<hr/> AW3 Formulation, validation and forecasting of Small-scale Processes in Atmospheric Models - POSTER PROGRAMME <hr/>	
Convener: Holtslag, B. Co-Convener(s): Steeneveld, G., Heus, T. Display Time: Monday, 08:00–Tuesday, 20:00 Authors in Attendance: Tuesday, 18:30–20:00 Poster Area: Forum Lounge (Ground Floor) Chairperson: N.N.	AW5 Interrelationships between Earth and Space Meteorology - ORAL PROGRAMME Convener: Messerotti, M. Co-Convener(s): Labitzke, K., Lundstedt, H. Lecture Room: L Chairperson: N.N.
P0059; EMS2008-A-00191 Remy, S. ; Bergot, T.; Roquelaure, S. Cobel-Isba : a site-specific numerical prediction system of fog	14:00–14:15; EMS2008-A-00717 Messerotti, M. Analysis of interrelationships between Earth and Space Meteorology: a roadmap
P0060; EMS2008-A-00237 Catarino, A. ; Cheruy, F.; Hourdin, F. Large-eddy Simulations for the evaluation of the planetary boundary layer using forcing from a General Circulation Model	14:15–14:45; EMS2008-A-00025 Labitzke, K. Variability in the Stratosphere: The Sun and the QBO (Silver Medal Lecture) (solicited)
P0061; EMS2008-A-00324 Sugimoto, N. ; Ishii, K. Gravity wave radiation from a jet in shallow water system	14:45–15:00; EMS2008-A-00375 Matthes, K. Modeling Solar Cycle and QBO Effects in the Atmosphere (solicited)
P0062; EMS2008-A-00570 Ramos, D. ; Yagüe, C.; Viana, S.; Maqueda, G. Study of wave-like structures and background conditions in SABLES2006	15:00–15:15; EMS2008-A-00425 Rozanov, E. ; Fischer, A.; Brönnimann, S.; Peter, T.; Egorova, T.; Schmutz, W. Global Climate and Ozone Response to the solar Irradiance Variability during 20th Century (solicited)
P0063; EMS2008-A-00022 Steeneveld, G.J. ; Moene, A.F.; Hartogensis, O.K.; Klein Baltink, H.; Holtslag, A.A.M. Using a Network of Scintillometers and Ceilometers for Validation of the WRF-mesoscale Model	15:15–15:30; EMS2008-A-00653 Scherer, K. ; Fichtner, F.; Heber, H. Solar or cosmic ray forcing of the terrestrial climate? (solicited)
	15:30–15:45; EMS2008-A-00603 Vanina-Dart, L.B. Role of influence of Solar Cosmic Rays on the lower ionosphere in regional climate changes.

15:45–16:15; EMS2008-A-00707
Tinsley, B.A.
 Global electric circuit affecting clouds and climate (solicited)

16:15 Coffee Break

Chairperson: N.N.

16:30–16:45; EMS2008-A-00695
Unruh, Y.; Solanki, S.; Schuessler, M.; Voegler, A.
 Solar irradiance modelling from magneto-convection simulations (solicited)

16:45–17:00; EMS2008-A-00480
Krivova, N.A.
 Variations of solar total and spectral irradiance (solicited)

17:00–17:15; EMS2008-A-00701
Wintoft, P.; Wik, M.; Lundstedt, H.
 Scale-based wavelet correlation of solar output data

17:15–17:30; EMS2008-A-00113
Benestad, R.E.; Schmidt, G.A.
 Solar-activity's role Climate re-visited: testing recent claims.

17:30–17:45; EMS2008-A-00514
Lundstedt, H.; Wintoft, P.; Wik, M.
 Solar magnetic activity: NAO, ENSO and PDO

17:45–18:15; EMS2008-A-00696
Veizer, J.; Ferguson, P.R.
 Coupling of terrestrial water and carbon fluxes: implications for the climate system (solicited)

18:15 END OF ORAL PROGRAMME AW5

AW5 Interrelationships between Earth and Space Meteorology - POSTER PROGRAMME

Convener: Messerotti, M.
 Co-Convener(s): Labitzke, K., Lundstedt, H.
 Display Time: Monday, 08:00–Tuesday, 20:00
Authors in Attendance: Tuesday, 18:30–20:00
 Poster Area: Forum Lounge (Ground Floor)
 Chairperson: N.N.

P0074; EMS2008-A-00348
Dobrica, V.; Demetrescu, C.; Maris, G.; Pirvutoiu, C.
 The relationship at decadal and centennial timescales between European temperature data and solar/geomagnetic activity, for the 20th century

P0075; EMS2008-A-00430
Maris, G.; Maris, O.
 The rapid solar wind analysis during the Whole Heliospheric Interval (Carrington Rotation # 2086)

P0076; EMS2008-A-00589
Todorovich, N.; Vujoovic, D.
 New Insights on the Influence of Solar Wind in Driving the Cyclone Circulation

END OF POSTER PROGRAMME AW5

Forecasting the weather at all time scales - THORPEX studies, developments in NWP, applications and societal impact

NWP1.2 Ensemble forecasting - ORAL PROGRAMME

Convener: Barkmeijer, J.
 Co-Convener(s): Montani, A.
 Lecture Room: N
 Chairperson: BARKMEIJER, J.

14:00–14:30; EMS2008-A-00044
Bougeault, P.; Toth, Z.
 Status and first assessment of the TIGGE project (solicited)

14:30–14:45; EMS2008-A-00182
Paccagnella, T.
 Limited Area EPS and the THORPEX Interactive Grand Global Ensemble

14:45–15:00; EMS2008-A-00101
Montani, A.; Marsigli, C.; Paccagnella, T.
 Performance of the COSMO-LEPS system during D-PHASE Operations Period

15:00–15:15; EMS2008-A-00092
Diomede, T.; Marsigli, C.; Montani, A.; Paccagnella, T.
 Streamflow forecasts driven by a limited-area ensemble prediction system

15:15–15:30; EMS2008-A-00086
Keller, J.; Kornblueh, L.; Rhodin, A.; Hense, A.
 Towards a GME ensemble forecasting system

15:30–15:45; EMS2008-A-00143
Bourgoin, P.; Verret, R.; Archambault, B.; Beauregard, S.; Hodgson, J.; Denis, B.; Zhu, Y.; Landry, C.; Gagnon, N.
 Automated public forecast production from the Canadian ensemble prediction system

15:45–16:00; EMS2008-A-00172
Gebhardt, C.; Theis, S.; Paulat, M.; Buchhold, M.
 Development of a limited-area ensemble prediction system on the convective scale with COSMO-DE

16:00 Coffee Break

Chairperson: MONTANI, A.

16:30–16:45; EMS2008-A-00125
Magnusson, L.; Nycander, J.; Källén, E.
 A new method for ensemble prediction

16:45–17:00; EMS2008-A-00478
Stappers, R.J.J.; Barkmeijer, J.
 Towards a high impact weather EPS for limited area models

17:00–17:15; EMS2008-A-00621
Broecker, J.
 Data Assimilation through Tracking

17:15–17:30; EMS2008-A-00116
de Vries, J.W.; Burgers, G.
 Probability forecasts for storm surges at the coast of the Netherlands

17:30–17:45; EMS2008-A-00312
Swerdlin, S.; Liu, Y.; Roux, G.; Xu, M.; Wu, W.; Sheu, R.;
Vandenberge, F.; Warner, T.
Mesoscale ensemble data assimilation and prediction

17:45–18:00; EMS2008-A-00372
Kilpinen, J.
Calibration of ECMWF EPS temperature forecasts for a hydrological model

18:00–18:15; EMS2008-A-00389
Moritz, K.; Daamen, K.; Ehret, U.; Laurent, S.; Meyer, I.;
Vogelbacher, A.
Including hydrometeorological Ensemble Forecasts in the Calculation of Uncertainty of hydrological Forecasts

18:15–18:30; EMS2008-A-00311
von Bremen, L.; Hagedorn, R.; Lange, B.
ECMWF's Ensemble Prediction System in probabilistic Wind Power Forecasting

18:30 END OF ORAL PROGRAMME NWP1.2

**NWP1.2 Ensemble forecasting
- POSTER PROGRAMME**

Convener: Barkmeijer, J.
Co-Convener(s): Montani, A.
Display Time: Monday, 08:00–Tuesday, 20:00
Authors in Attendance: Tuesday, 18:30–20:00
Poster Area: Forum Lounge (Ground Floor)
Chairperson: BARKMEIJER, J.

P0143; EMS2008-A-00300
Nogaj, M.
Evaluation of wind power ensemble forecasts

P0144; EMS2008-A-00288
van der Veen, S. H.
Short range ensemble forecasting applying singular vectors

P0145; EMS2008-A-00562
Jurus, P.; Eben, K.; Resler, J.
Representing the forecast uncertainty by means of fuzzification of the isolines

P0146; EMS2008-A-00564
Ceppi, A.; Ravazzani, G.; Rabuffetti, D.; Mancini, M.
Hydro-meteorological chain for flood forecasting in the Maggiore Lake basin: a reanalysis of November 2002 event

P0147; EMS2008-A-00250
Kalin, L.; Kann, A.
Calibration of Aladin EPS Precipitation Forecasts by Logistic Regression

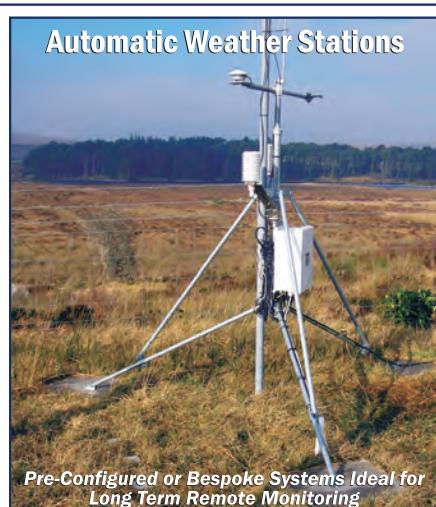
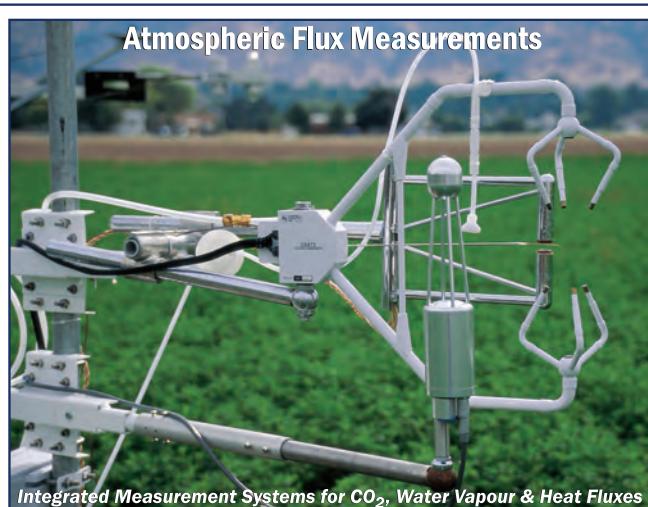
P0148; EMS2008-A-00483
Langmack, H.; Fraedrich, K.; Sielmann, F.
Analog ensemble forecasts of tropical cyclone tracks in the Australian region

P0149; EMS2008-A-00266
Matjacic, B.; Brankovic, C.; Ivatek-Sahdan, S.; Buizza, R.
Dynamical downscaling of ECMWF EPS forecasts applied to cases of severe weather in Croatia

P0150; EMS2008-A-00386
Kann, A.; Wang, Y.
Improving forecast skill of LAM-EPS by calibration technique

P0151; EMS2008-A-00360
Matsueda, M.
Can we outperform the ECMWF ensemble? -Construction of Multi-Center Grand Ensemble-

END OF POSTER PROGRAMME NWP1.2



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SESSION PROGRAMME

TUESDAY

		Tuesday, 30 September 2008		
	Forum	Lecture Room L	Lecture Room M	Lecture Room N
UC1: Climate change Assessments: trends and variability – 3	A-00405: Guijarro, JA	AW10: Air-sea Interactions and Exchange A-00544: Smedman, AS	AW12: Phenology & Agrometeorology – 1 A-00066: Eitzinger, J	NWP1.3: High Resolution Forecasting Systems A-00454: Baxter, G
A-00422: Zampiero, M	A-00542: Trnka, M	A-00547: Liss, P	A-00251: Attaher, SM A-00071: Utset, A	A-00670: Chronis, T A-00281: Leroy, D
A-00499: Kazandjiev, V	A-00357: Mavromatis, M	A-00026: Makin, VK	A-00001: Shahabfar, A	A-00358: Ancell, R
A-00018: Pires, V	A-00037: Andreas, EL	A-00145: Vinag, V	A-00387: Beck, A	
A-00588: Hänsel, S	A-00031: Facchini, MC	A-00539: Trnka, M	A-00462: Zimmer, M	
A-00218: Venäläinen, A	A-00558: DeMott, C	A-00684: Lyons, TJ	A-00516: Gozzini, B	
UC2/NWP4: Climate prediction & scenarios: months-decades-century1	AW11.1: Environment, Meteorology & atmospheric Pollution – 1	AW12: Phenology & Agrometeorology – 2	NWP1.4: Observation Targeting & Impact of Observing Systems	A-00591: Schlünzen, KH
A-00692: Corti, S	A-00481: Trini Castelli, S	A-00515: O'Rourke, EF	A-00752: Pailleux, J	
A-00231: Céron, JP	A-00500: Baklanov, AA	A-00468: Lalic, B	A-00160: Geijo, C	
A-00136: Arribas, A	A-00423: Piringer, M	A-00685: Koch, E	A-00718: Guidard, V	
A-00057: Caminade, C	A-00370: Van de Vel, K		A-00365: Marseille, GJ	
A-00258: Kar, S	A-00398: Korsholm, U	A-00354: Nejedlik, P	A-00363: Dance, SL	
A-00186: Peterson, KA	A-00550: Szintal, B	A-00330: Hajkova, L	A-00742: Mansfield, D	
A-00432: Rogel, P	A-00609: Verzijbergh, RA	A-00180: Zoran, M	A-00743: Candy, B	
A-00186: Benestad, RE	A-00511: Leroy, D	A-00617: Neran, A	A-00744: Craig, G	
UC2/NWP4: Climate prediction & scenarios: months-decades-century2	AW11.1: Environment, Meteorology & atmospheric Pollution – 2	AW13: Spatial Interpolation & GIS Modelling – 1	NWP1.1: Dynamics& Predictability High Impact Weather – 1	
A-00174: Weigel, AP	A-00118: Palau, JL	A-00043: Frei, C	A-00736: Burridge, D	
A-00479: Ahrens, B	A-00291: Mestayer, PG	A-00269: Shkaruba, A – YSTA	A-007xx: Craig, G	
A-00264: Dubus, L	A-00428: Skomorowski, P	A-00491: Dorninger, M	A-00161: Campa, J	
A-00027: Weisheimer, A	A-00442: Batchvarova, E	A-00156: Schiemann, R	A-00222: Boettcher, M	
A-00099: Taboada, JJ	A-00524: Kerschbaumer, A	A-00294: Silva, A	A-00396: Fink, A	
A-00176: Weigel, AP	A-00512: Sofiev, M	A-00540: Lussana, C	A-00502: Schwierz, C	
A-00503: van Oldenborgh, GJ	A-00668: Miranda, AI	A-00353: Engen-Skaugen, TES	A-00005: Pokrovsky, O	
A-00623: Guiérrez, JM	A-00418: Klein, T	A-00490: Dumitrescu, A	A-00270: Jovanovic, GJ	
UC2/NWP4: Climate prediction & scenarios: months-decades-century3	AW11.2: Environmental Meteorology: Global Monitoring	AW13: Spatial Interpolation & GIS Modelling – 2	NWP1.1: Dynamics& Predictability High Impact Weather – 2	
A-00119: Jones, A	A-00719: Eskes, H	A-00271: Shueter, R	A-00xxx: Nordeng, TE	
A-00165: Renggli, D		A-00226: Spinoni, J	A-00738: Parsons, D	
A-00171: Ionita, M	A-00495: Sokhi, R	A-00597: Janssen, S	A-00444: Argence, S	
A-00249: Tanguy, G	A-00679: San Jose, R	A-00318: Belda, F	A-00482: Nuissier, O	
A-00384: Kurnik, B	A-00587: Cheremisin, A	A-00151: Venäläinen, A	A-00177: Weigel, AP	
A-00028: Weisheimer, A	A-00185: Zoran, M	A-00313: de Wolff, R	A-00134: Sultan, B	
A-00077: Colman, A	A-00713: Schulz, M	A-00527: Bisolli, P	A-00719: Fallah-Ghalhary, Gh-A	
A-00242: Patarcic, M		A-00520: Persson, C	A-00155: Hirvonen, J	

Mon Tue Wed Thu Fri

7th European Conference on Applied Climatology (ECAC)

UC1 Climate change assessments: trends and variability - ORAL PROGRAMME

Convener: Jones, P.

Co-Convenor(s): Rebetez, M., Heino, R., Klein Tank, A.

Lecture Room: Forum

Chairperson: REBETEZ, M.

8:30–8:45; EMS2008-A-00405

Guíjarro, J. A.

Homogenisation of monthly, quarterly and annual precipitation and temperature ECAD series, and impact on their trend estimates

8:45–9:00; EMS2008-A-00422

Zampieri, M.; Lionello, P.

Detection of potential climate change impacts in the biosphere at the global and the regional scales

9:00–9:15; EMS2008-A-00542

Trnka, M.; Olesen, J.; Eitzinger, J.; Stepanek, P.; Brazdil, R.; Dobrovolny, P.; Dubrovsky, M.; Zalud, Z.

Recent Trends in Agroclimatic Characteristics and Consequences for Adaptation Options in Cereal Production – Adaption in Agriculture, but to what?

9:15–9:30; EMS2008-A-00499

Moteva, M.; Georgieva, V.; **Kazandjiev, V.**

Climatically Assured Water Supply for Agricultural Crops in Bulgaria

9:30–9:45; EMS2008-A-00357

Mavrommatis, T.

Changes in Extreme Hydrological and Atmospheric Drought Event Frequencies in Greece

9:45–10:00; EMS2008-A-00018

Pires, V.; Silva, A.

Analyses of droughts historical evolution in mainland Portugal

10:00–10:15; EMS2008-A-00588

Hänsel, S.; Lupikasza, E.; Matschullat, J.

Changes in Drought Characteristics and Patterns in South-Eastern Germany and Southern Poland for 1951 – 2006

10:15–10:30; EMS2008-A-00152

Venäläinen, A.; Hohenthal, J.; Fronzek, S.; Saku, S.; Drebs, A.; Carter, T.

Temporal variation of dry spells in the Nordic and Baltic countries

10:30 END OF ORAL PROGRAMME UC1
(to be continued on Friday)

UC1 Climate change assessments: trends and variability - POSTER PROGRAMME

Convener: Jones, P.

Co-Convenor(s): Rebetez, M., Heino, R., Klein Tank, A.

Display Time: Monday, 08:00–Tuesday, 20:00

Authors in Attendance: Tuesday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0001; EMS2008-A-00011

Haque, M.

Global Warming and Climate Change: Challenges for Bangladesh

P0002; EMS2008-A-00017

Fatima, H.; Upadhyaya, H. C.; Sharma, O. P.

Study of monsoon with the impact of aerosols in Imd general circulation model

P0003; EMS2008-A-00021

Davitashvili, T.

Research of conditions of the climate change in Georgia in view of regional and antropogenic factors

P0004; EMS2008-A-00054

Potop, V.; **Koznarova, V.**

Drought as natural hazard in the Czech Republic

P0005; EMS2008-A-00056

deCastro, M.; Gómez-Gesteira, M.; Alvarez, I.; Lorenzo, M.N.; Gesteira, J.L.G.; Crespo, A.J.C.; **Taboada, J.J.**

Spatio-temporal evolution of upwelling along the Atlantic Ocean Eastern Boundary Upwelling System (20N to 44N) from 1985 to 2006

P0006; EMS2008-A-00097

Braverman, A.; Fetzer, E.; Kahn, B.; Teixeira, J.

Assessing Interannual Variability with the AIRS L3Q Data Set

P0007; EMS2008-A-00111

Pourasghar, F.; Jahanbakhsh, S.

Impact of climate change on the trends of temperature and precipitation of the Urmia and water balance of the Urmia Lake for the period 1967-2007

P0008; EMS2008-A-00120

Siedlecki, M.

Changes of the instability conditions in a Climate Change

P0009; EMS2008-A-00128

Djordjevic, S.Dj.

Analysis of the extreme temperature and precipitation indices for Serbia from 1961 to 2006

P0010; EMS2008-A-00130

Groppelli, B.; Bocchiola, D.; Rosso, R.

Downscaling of GCM precipitation for a mesoscale Alpine basin of northern Italian Alps

P0011; EMS2008-A-00142

Cao, Z.

A regional scale summer severe wind frequency trend in the warming climate

P0012; EMS2008-A-00169

Mestre, A.

Trend analysis of long series of agroclimatic parameters in Spain

P0013; EMS2008-A-00175

Melkonyan, H. A.

The results of climate change investigations in Armenia

P0014; EMS2008-A-00221

Anagnostopoulou, Chr.; Tolika, K.; Kostopoulou, E.;

Karipidou, S.; Maher, P.

Assessment of extreme rainfall conditions over Europe: an application of the GEV method to long-time series

P0015; EMS2008-A-00232

Mileta, M.

Seasonal Trends of Number of Days with Unusual

P0016; EMS2008-A-00235

Degirmendzic, J.

Long-term changes in the frequency and intensity of upper-tropospheric jet streaks over Europe

- P0017; EMS2008-A-00247**
Onuchin, A.A.; Musokhranova, A.V.; Burenina, T.A.; Korets, M.A.
 Assessment of climatic trends in Northern Asia and their geographic variability
- P0018; EMS2008-A-00260**
Nastos, P.T.
 Effects of clouds on air temperature in Athens, Greece.
 Trends and variability
- P0019; EMS2008-A-00262**
Nastos, P.T.; Sarantopoulos, A.
 Heat waves in Greece during the summer 2007. Extreme or normal future events?
- P0020; EMS2008-A-00272**
Renaud, V.; Rebetez, M.
 Comparison between open-site and below-canopy climatic conditions in Switzerland from 1998 to 2007
- P0021; EMS2008-A-00275**
Yuchechen, A.; Canziani, P.; Bischoff, S.
 Breaks in climate over The Netherlands: 1973-2007
- P0022; EMS2008-A-00284**
Jamshidi, A.; Bagheri, Y.; Alaghmand, S.
 Reduction of climate change effects
- P0023; EMS2008-A-00290**
 Traeger-Chatterjee, C.; Mueller, R. W.; **Hollmann, R.**
 Investigation of solar surface radiation anomalies using satellite data
- P0024; EMS2008-A-00298**
Toreti, A.; Desiato, F.; Fioravanti, G.; Perconti, W.
 Seasonal temperature and precipitation over Italy from 1961 to 2006
- P0025; EMS2008-A-00299**
 Radics, K.; Bartholy, J.; Peline, Cs.N.; Hajdu, M.
 Regional tendencies of mean and extreme wind characteristics in the Carpathian Basin
- P0026; EMS2008-A-00304**
Voloshchuk, V.; Boychenko, S.; Serdjuchenko, N.
 Features of reaction of regional climatic conditions of Ukraine on modern global warming
- P0027; EMS2008-A-00305**
Boychenko, S.; Voloshchuk, V.; Serdjuchenko, N.
 Parametrization of displacement of a subtropical minimum of an atmospheric precipitation in Northern hemisphere at global warming
- P0028; EMS2008-A-00322**
Baldi, M.; Coccimiglio, P.
 Climate trends in a Mediterranean Ecosystem: the Presidential Estate of Castelporziano
- P0029; EMS2008-A-00335**
Szwed, M.
 The extreme temperatures in Poland versus the North Atlantic Oscillation
- P0030; EMS2008-A-00345**
Starke, E.; Jacob, D.
 Future drought events in Europe as projected by regional climate scenarios
- P0031; EMS2008-A-00352**
Ferrez, J.; Davison, A. C.; Rebetez, M.
 Extreme temperature analysis under forest cover compared to an open field
- P0032; EMS2008-A-00355**
Graczyk, D.; Szwed, M.
 Temporal and spatial changes of the thermal characteristics in Poland
- P0033; EMS2008-A-00361**
Trachte, K.; Bendix, A.; Bendix, J.; Palacios, E.; Rollenbeck, R.; Nauß, T.
 El Niño beats La Niña? A rapid warming of the ocean cold pool in the Nino 1-2 region and torrential rainfall anomalies in Ecuador
- P0034; EMS2008-A-00368**
Adnan, N.A.; Atkinson, P.M.
 Hydrometeorological Trend Analysis in a Monsoon Catchment
- P0035; EMS2008-A-00427**
Takac, J.; Lapin, M.; Siska, B.; Sobocka, J.; Caboun, V.; Spanik, F.; Valsikova, M.
 Possible climate change impacts on land use sectors in Slovakia
- P0036; EMS2008-A-00436**
Galati, M.B.; Lionello, P.; Cosimo, C.
 Trends of ocean wave height along the coast of Italy during the second half of the 20th century
- P0037; EMS2008-A-00455**
 Moseley, Ch.; **Pfeifer, S.**; Kotova, L.; Jacob, D.
 High resolution climate change simulations for Central and Eastern Europe
- P0038; EMS2008-A-00460**
Cattiaux, J.; Vautard, R.; Yiou, P.
 Recent warm extremes in Europe: a taste of future climate?
- P0039; EMS2008-A-00475**
 Ivancheva, J; Radeva, S; **Koleva, E.K.**
 Variability and Trend in Sunshine Duration over South Bulgaria
- P0040; EMS2008-A-00489**
Grassi, G.; Redaelli, R.; Visconti, V.
 Correlative analysis of tropical SST and SH polar dynamics
- P0041; EMS2008-A-00504**
 Vujoovic, D.; **Todorovich, N.**
 The Changes in Air Temperatures during the period 1887-2007 at Belgrade, Serbia
- P0042; EMS2008-A-00508**
Sepp, M.
 Changes in Arctic cyclone activity and tracks in the period of 1948-2004
- P0043; EMS2008-A-00526**
Melo, M.; Lapin, M.
 Climatic Trends in Slovak Part of Danubian Lowland
- P0044; EMS2008-A-00561**
Wibig, J.
 Variability of precipitation extremes in Poland in the period 1951-2006
- P0045; EMS2008-A-00565**
 Seiler, R.; **Vinocur, M.**
 Climate variability and climate change: regional study of the variability of frosts in the Province of Córdoba-Argentina
- P0046; EMS2008-A-00574**
Bartolini, E.; Claps, P.; D'Odorico, P.
 On the variability of winter Alpine precipitation
- P0047; EMS2008-A-00592**
Hänsel, S.; Matschullat, J.
 Spatiotemporal Trend Characteristics of monthly Heavy Precipitation Indices in Central Eastern Germany
- P0048; EMS2008-A-00593**
Pongrácz, R.; Bartholy, J.; Szabó, P.; Gelybó, GY.
 How the climate is expected to change in the Carpathian basin by the end of the 21st century?

P0049 ; EMS2008-A-00595 Hänsel, S. ; Matschullat, J. Monthly drought trends in Central Eastern Germany for 1901 – 2006	11:45–12:00 ; EMS2008-A-00057 Caminade, C. ; Morse, A.; Jones, A. Validation of ENSEMBLES/DEMIETER seasonal forecasts over the Sahel
P0050 ; EMS2008-A-00613 Vazquez-Aguirre, J.L. ; Jones, P.D. Climate variability and changes in the climate extremes of Mexico as detected from the global to the local scale	12:00–12:15 ; EMS2008-A-00258 Kar, S. ; Bohra, A. Internal variability in seasonal simulations of the Indian monsoon using a global atmospheric model
P0051 ; EMS2008-A-00640 Noorian, A.M.; Sehatkashani, S.; Rahimzadeh, F.; Sedaghatkerdar, A. Climate Change Impacts and Potential of Adaptation Options in Iran	12:15–12:30 ; EMS2008-A-00186 Peterson, K.A. ; Arribas, A.; Anderson, D.; Cusack, S.; Glover, M.; Gordon, M. Ocean Initialization in the next UKMO seasonal forecast model: GloSea4
P0052 ; EMS2008-A-00641 Rahimzadeh, F. ; Pedram, M.; Sehatkashani, S. Variation of Sand Storm Phenomena in Southeastern of Iran for 1951–2005	12:30–12:45 ; EMS2008-A-00432 Rogel, P. ; Doblas-Reyes, F.-J.; The seasonal to decadal ENSEMBLES partners The ENSEMBLES ocean reanalysis and forecast database for seasonal to decadal climate variability and predictability studies
P0053 ; EMS2008-A-00643 Koleva-Lizama, I. ; Lizama Rivas, B. Analysis of climate change impacts on water resources in the South Eastern Bulgaria	12:45–13:00 ; EMS2008-A-00181 Senan, R.; Benestad, R.E. ; Balmaseda, M.; Ferranti, L.; Orsolini, Y. Sea-ice and climate sensitivity on monthly scales
P0054 ; EMS2008-A-00664 Antunes, S. ; Pires, O.; Mendes, L.; Marques, J. Some evidences of climatic changes in Portugal	13:00 Lunch Break
P0055 ; EMS2008-A-00671 Polonsky, A. ; Dzhiganshin, G. Quasi – bidecadal variations of the North Subtropical Atlantic gyre: role of PDO forcing, gyre adjustment and meso-scale eddies	Chairperson: TROCOLLI, A.
P0056 ; EMS2008-A-00688 Zmudzka, E. Circulation-related and nephological conditioning of contemporary air temperature increase in Poland	14:00–14:15 ; EMS2008-A-00174 Weigel, A. P. ; Liniger, M. A.; Appenzeller, C. Probabilistic ensemble forecasts: are recalibrated single models as good as multi-models?
P0057 ; EMS2008-A-00689 Wever, N. Observed changes in winter temperature indices in the Netherlands	14:15–14:30 ; EMS2008-A-00479 Casanova, S. ; Ahrens, B. Seasonal forecasts using weighted combinations within the multi-model ensemble DEMETER
P0058 ; EMS2008-A-00751 Huseynov, N.Sh.; Malikov, B.M. The problems of global climate's warming and its consequences	14:30–14:45 ; EMS2008-A-00264 Dubus, L. ; Nogaj, M.; Qu, Z. Can downscaling approaches improve local seasonal forecasts ? Some examples over France with DEMETER and ENSEMBLES Stream1 hindcasts
END OF POSTER PROGRAMME UC1	14:45–15:00 ; EMS2008-A-00027 Weisheimer, A. ; Doblas-Reyes, F.J.; Palmer, T.N Seasonal prediction of extreme European climate: Case studies of the summer 2003 and the winter 2005/06
UC2/NWP4 Climate prediction and scenarios from months to decades to century - ORAL PROGRAMME	15:00–15:15 ; EMS2008-A-00099 Lorenzo, M.N.; Iglesias, I.; Taboada, J.J. ; Gómez-Gesteira, M. Monthly rainfall forecast in NW Iberian Peninsula by means of sea surface temperature anomalies in north Atlantic
Convener: Appenzeller, C. Co-Convenor(s): Goodess, C., Troccoli, A., van der Linden, P. Lecture Room: Forum Chairperson: APPENZELLER, C.	15:15–15:30 ; EMS2008-A-00176 Weigel, A. P.; Baggemos, D.; Liniger, M. A.; Appenzeller, C. Probabilistic verification of monthly temperature forecasts
11:00–11:15 ; EMS2008-A-00692 Corti, S. ; Straus, D. M.; Molteni, F. Large-Scale Circulation Regimes in seasonal forecasts	15:30–15:45 ; EMS2008-A-00503 van Oldenborgh, G.J. ; Coelho, C.; Doblas-Reyes, F. Exploratory analysis and verification of seasonal forecasts with the KNMI Climate Explorer
11:15–11:30 ; EMS2008-A-00231 Chabot, E.; Cassou, C.; Céron, J.P. ; Dubuisson, B. Predictability of Weather Regimes at seasonal scale	15:45–16:00 ; EMS2008-A-00623 San-Martín, D.; Cofiño, A.; Gutiérrez, J.M. The Statistical Downscaling Web Portal. An End-to-End Tool for Regional Projection
11:30–11:45 ; EMS2008-A-00136 Arribas, A. ; Cusack, S.; Peterson, A.; Gordon, M.; Glover, M.; Scaife, A. Adapting to climate change: The new Met Office seasonal forecasting system	16:00 Coffee Break

Chairperson: WEIGEL, A.	10:00–10:15; EMS2008-A-00031 Facchini, M.C.; Rinaldi, M.; Decesari, S.; Finessi, E.; Carbone, C.; Fuzzi, S.; Ceburnis, D.; O'Dowd, C.D. Dominant characteristics of primary and secondary organic components in marine aerosol
16:30–16:45; EMS2008-A-00119 Jones, A.; Clarke, L.; Morse, A.; Smith, L. Construction of forecast probabilities for impact modelling: a performance assessment of ensemble interpretation techniques for seasonal malaria prediction	10:15–10:30; EMS2008-A-00558 DeMott, C.; Randall, D. Implied ocean heat transports in the standard and "superparameterized" CAM3.0
16:45–17:00; EMS2008-A-00165 Renggli, D.; Leckebusch, G.C.; Ulbrich, U. Wind storm events in the DEMETER hindcast data	10:30 END OF ORAL PROGRAMME AW10
17:00–17:15; EMS2008-A-00171 Ionita, M.; Lohmann, G.; Rimbu, N. Prediction of spring Elbe discharge based on stable teleconnections with winter global temperature and precipitation	AW10 Air-Sea Interactions and exchange - POSTER PROGRAMME
17:15–17:30; EMS2008-A-00249 Tanguy, G.; Céron, J.P.; Franchistéguy, L.; Martin, E. Seasonal forecasting of hydrological parameters in France : feasibility and potentialities	Convener: Sempreviva, A. Co-Convener(s): Soerensen, L., Gryning, S., Miglietta, M. Display Time: Monday, 08:00–Tuesday, 20:00 Authors in Attendance: Tuesday, 18:30–20:00 Poster Area: Forum Lounge (Ground Floor) Chairperson: SOERENSEN L.L.
17:30–17:45; EMS2008-A-00384 Kurnik, B.; Niemeyer, S. Drought Forecasting in Europe with Standardized Precipitation Index using ECMWF monthly forecasts	P0077; EMS2008-A-00521 Frisia, T.; Hasselbeck, T. The importance of rain evaporation in tropical cyclone simulations
17:45–18:00; EMS2008-A-00028 Weisheimer, A.; Doblas-Reyes, F.J.; Palmer, T.N. Decadal hindcasts with an initialised coupled atmosphere-ocean model: First results from the ECMWF ENSEMBLES contribution	P0078; EMS2008-A-00153 Guan, C.; Liu, B.; Xie, L. The wave development and sea spray related parametrization of aerodynamic roughness applicable to from low to extreme wind speeds
18:00–18:15; EMS2008-A-00077 Colman, A.W.; Graham, R.J.; Perry, M.C.; Smith, D.M. Climate "Nowcasting" for the UK by combining observations with predictions from the Met Office decadal model	P0079; EMS2008-A-00705 Soerensen, L.L.; Kristensen, T.; Lund, S.W.; Pryor, S.C.; Christensen, J.H.; de Leeuw, G.; Larsen, S.E. Measurements and parameterization of air-sea exchange of marine aerosols
18:15–18:30; EMS2008-A-00242 Patarcic, M.; Brankovic, C. Dynamical downscaling of the ECMWF experimental seasonal forecasts	P0080; EMS2008-A-00583 Ries, H.; Schlünzen, K. H.; Bungert, U.; Claussen, M.; Brümmer, B.; Müller, G.; Kaleschke, L. The role of sea ice and heat fluxes on a frontal passage in the Fram Strait
18:30 END OF ORAL PROGRAMME UC2/NWP4 (to be continued on Thursday)	P0081; EMS2008-A-00452 Linders, T. Polar low interaction with SST

Atmosphere and the Water Cycle

AW10 Air-Sea Interactions and exchange - ORAL PROGRAMME

Convener: Sempreviva, A.
Co-Convener(s): Soerensen, L., Gryning, S., Miglietta, M.
Lecture Room: L
Chairperson: SEMPREVIVA, A.

8:30–9:00; EMS2008-A-00544 Smedman, A.-S. Air-sea exchange – a crucial link in the climate system (solicited)	P0082; EMS2008-A-00146 Chmel, A.; Smirnov, V.N.; Sheikin, I. Some trends in the self-similar sea-ice drift dynamics during cold periods
9:00–9:30; EMS2008-A-00547 Liss, P.S. Air-sea exchange of trace gases (solicited)	P0083; EMS2008-A-00703 Soerensen, L.L.; Sempreviva, A.M.; Pryor, S.C. Heat transfer during high wind episodes in the marine atmospheric surface layer
9:30–9:45; EMS2008-A-00026 Kudryavtsev, V.N.; Makin, V.K. Effect of sea spray on the surface drag and the atmospheric boundary layer	P0084; EMS2008-A-00188 Zweers, N.C.; Makin, V.K.; de Vries, J.W. Consistent drag formulation in atmospheric and storm surge models
9:45–10:00; EMS2008-A-00037 Andreas, E.L.; Persson, P.O.G.; Hare, J.E. A bulk turbulent air-sea flux algorithm for high-wind, spray conditions	P0085; EMS2008-A-00712 Semedo, A.; Saetra, O.; Rutgersson, A. Effect of wind forcing on the bias of a wave model output on the baltic sea
	P0086; EMS2008-A-00032 Rinaldi, M.; Facchini, M.C.; Decesari, S.; Carbone, C.; Finessi, E.; Fuzzi, S.; Ceburnis, D.; O'Dowd, C.D.; Ehn, M.; Kulmala, M. Evaluation of the wave-breaking zone influence on marine aerosol coastal measurements

- P0087; EMS2008-A-00243**
Mannozi, M.; Arduini, J.; Sarni, A.; Giordano, P.; Di Mento, R.; Romanelli, G.; Ciccioli, P.; Maione, M.
Evaluation of sea surface microlayer as a source of volatile organic compounds in the Mediterranean ecosystem
- P0088; EMS2008-A-00334**
Kondo, F.; Tsukamoto, O.
Comparative eddy covariance CO₂ flux measurements using open- and closed-path gas analyzers over the equatorial Pacific Ocean
- P0089; EMS2008-A-00207**
Sempreviva, A.M.; ModObs TEAM
ModObs: "Atmospheric modelling for wind energy, climate and environment applications : exploring added value from new observation technique" – Work in progress within a FP6 Marie Curie Research Training Network
- P0090; EMS2008-A-00702**
Sempreviva, A. M.; Schiano, M.E.; Soerensen, L.L.; Bozzano, R.; Pensieri, S.; Borghini, M.; Grassi, F.; Semedo, A.
Development of the vertical structure of the marine boundary layer and surface fluxes during the LASIE experiment in the Ligurian sea
-
- END OF POSTER PROGRAMME AW10
-
- AW11.1 Environmental Meteorology (from local to global): Meteorology and Atmospheric Pollution: from the urban to meso/regional scale**
- ORAL PROGRAMME
- Convener: Joffre, S.
Co-Convenor(s): Baklanov, A., Piringer, M.
Lecture Room: L
Chairperson: JOFFRE, S.
- 11:00–11:15; EMS2008-A-00481**
Trini Castelli, S.; Reisin, T. G.; Tinarelli, G.
From the mesoscale to the urban scale: testing the microscale version of RMS modelling system for high resolution simulations in presence of obstacles
- 11:15–11:30; EMS2008-A-00500**
Baklanov, A. A.; Nuterman, R. B.
Multi-scale atmospheric environment modelling for urban areas
- 11:30–11:45; EMS2008-A-00423**
Piringer, M.; Baumann-Stanzer, K.; Polreich, E.; Hirtl, M.; Rau, G.
Selected results of two model validation exercises
- 11:45–12:00; EMS2008-A-00370**
Van de Vel, K.; De Ridder, K.; Lefebvre, F.; Maes, J.; Mensink, C.; Vliegen, J.
Urban air quality assessment modelling with AURORA
- 12:00–12:15; EMS2008-A-00398**
Korsholm, U.; Gross, A.; Mahura, A.; Baklanov, A.
On the importance of urban-aerosol-meteorology feedbacks in transformations of pollutants
- 12:15–12:30; EMS2008-A-00550**
Szintai, B.; Kaufmann, P.; Rotach, M. W.
Deriving turbulence characteristics from the COSMO numerical weather prediction model for dispersion applications
- 12:30–12:45; EMS2008-A-00609**
Verzijlbergh, R.A.; Heus, T.; Jonker, H.J.J.; Vila, J.
Dispersion in Cloudy Boundary Layers
- 12:45–13:00; EMS2008-A-00511**
Poulet, D.; Caro, D.; Buisson, E.; Leroy, D.; Donnat, L.; Duclaux, O.; Puel, C.
Local-scale weather forecasts for pollution peak prediction system
-
- 13:00 Lunch Break**
-
- Chairperson: PIRINGER, M.
- 14:00–14:15; EMS2008-A-00118**
Palau, J.L.; Pérez-Landa, G.; Santa-Cruz, F.; Roselló, J.I.; Millán, M.
Multi-modal pollutant dispersion on complex terrain driven by mesoscale forcings: Concatenated non-stationary dispersive scenarios
- 14:15–14:30; EMS2008-A-00291**
Calmet, I.; Mestayer, P.G.; Leroyer, S.
Numerical study of sea-breeze flow over a coastal urban area
- 14:30–14:45; EMS2008-A-00428**
Hirtl, M.; Krüger, B. C.; Baumann-Stanzer, K.; Skomorowski, P.; Scheifinger, H.; Kaiser, A.
Developments and evaluation of the Austrian operational ozone forecast model at ZAMG with air quality network observations
- 14:45–15:00; EMS2008-A-00442**
Pisoni, E.; Batchvarova, E.; Carnevale, C.; Finzi, G.
Mesoscale meteorological fields to drive air quality models: validation over Northern Italy
- 15:00–15:15; EMS2008-A-00524**
Kerschbaumer, A.; Reimer, E.; Stern, R.; Mues, A.; Builtjes, P.
The influence of meteorological fields on air pollution concentrations
- 15:15–15:30; EMS2008-A-00512**
Sofiev, M.; Lanne, M.; Prank, M.; Vanlevich, R.
Modelling assessment of contribution of wild-land fires into European air pollution
- 15:30–15:45; EMS2008-A-00668**
Carvalho, A.; Monteiro, A.; Solman, S.; Miranda, A.I.; Borrego, C.
Climate-driven changes in air quality over Portugal
- 15:45–16:00; EMS2008-A-00418**
Klein, T.; Kukkonen, J.; Karatzas, K.; Tørseth, K.; Sofiev, M.
COST ES0602: Towards a European network on chemical weather forecasting and information systems
-
- 16:00 END OF ORAL PROGRAMME AW11.1**
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- AW11.1 Environmental Meteorology (from local to global): Meteorology and Atmospheric Pollution: from the urban to meso/regional scale**
- POSTER PROGRAMME
- Convener: Joffre, S.
Co-Convenor(s): Baklanov, A., Piringer, M.
Display Time: Monday, 08:00–Tuesday, 20:00
Authors in Attendance: Tuesday, 18:30–20:00
Poster Area: Forum Lounge (Ground Floor)
Chairperson: BAKLANOV, A.
- P0091; EMS2008-A-00310**
Mortarini, L.; Ferrero, E.; Richiardone, R.; Falabino, S.; Anfossi, D.; Trini Castelli, S.; Carretto, E.
Analysis of wind data gathered by three sonic anemometers on a mast in urban area

P0092; EMS2008-A-00367
Santos, C.; Silva, C.; Azevedo, H.; Monteiro, A.
CO₂ emissions in a urban way of life - a case study at Porto

P0093; EMS2008-A-00189
Quante, M.; Matthias, V.; Aulinger, A.
Evaluation of the spectral behaviour of model wind data as used for chemistry transport modelling

P0094; EMS2008-A-00246
Nidzgorska - Lencewicz, J.
Meteorological elements determining the concentration of ozone in Szczecin

P0095; EMS2008-A-00261
Baranka, G.
Modelling of air pollutants released from highway traffic in Hungary

P0096; EMS2008-A-00390
Mahura, A.; Korsholm, U.; Baklanov, A.; Rasmussen, A.
Short-Term Birch Pollen Forecasting using Diurnal Cycle Parameterization

P0097; EMS2008-A-00548
Kerschbaumer, A.; Reimer, E.; Banzhaf, S.; Langer, I.; Builtjes, P.
Wet deposition simulations based on meteorological objective analysis

P0098; EMS2008-A-00635
Kumar, R.; Srivastava, S.S.; Kumari, K.M.
Parameterization of dry deposition of S and N compounds on natural surfaces

P0099; EMS2008-A-00554
Mészáros, R. ; Lagzi, I.; Szinyei, D.; Vincze, Cs.; Zsély, I.Gy.
Uncertainties of input parameters of an ozone deposition model

P0100; EMS2008-A-00578
Czender, Cs.; Komjáthy, E.; Mészáros, R.; Lagzi, I.
Spatial and temporal variability of ozone deposition

P0101; EMS2008-A-00411
Kreienkamp, F.; Enke, W.; **Spekat, A.**
Assessing the local portion and the long range transport of NO₂ using a concentration-based statistical method

P0102; EMS2008-A-00453
Pereira, S. N.; Wagner, F.; Silva, A. M.
Long term measurements of near surface aerosols in the western Mediterranean (Portugal) region

P0103; EMS2008-A-00467
Stefan, S.; Necula, C.
Estimation of the PM10 direct radiative effect in different meteorological conditions

P0104; EMS2008-A-00556
Lagzi, I.; **Mészáros, R.; Molnár, F.; Szakály, T.; Szűcs, M.; Kovács, T.; Nényei, Á.**
Parallelization and application of an Eulerian and Lagrangian models at the Paks Nuclear Power Plant

P0105; EMS2008-A-00750
Huseynov, N.Sh.; **Malikov, B.M.**
The isolation of greenhouse gases in an atmosphere from combustion of jet engine fuel in the territory of Azerbaijan Republic

P0106; EMS2008-A-00698
Halenka, T.; Huszar, P.; Belda, M.; Katragkou, E.; Tegoulia, I.; Zanis, P.; Melas, D.; Krueger, B.
Validation of High Resolution Model for the Assessment of Climate Change Impact on Atmospheric Chemistry in Troposphere

END OF POSTER PROGRAMME AW11.1

AW11.2 Environmental Meteorology (from local to global): Global Environmental Monitoring and Forecasting (including GMES related issues)

- ORAL PROGRAMME

Convener: Joffre, S.
Co-Convener(s): Builtjes, P., Sokhi, R.
Lecture Room: L
Chairperson: BUILTJES, P.

16:30–17:00; EMS2008-A-00719
Simmons, A.; **Eskes, H.**

Monitoring and forecasting atmospheric constituents: European initiatives for the provision of climate and air-quality information services (solicited)

17:00–17:15; EMS2008-A-00495
Sokhi, R.; Chemel, C.; Hu, R.; Yu, Y.; Fisher, B.E.A
Influence of Meteorology on Particulate Matter Episodes for 2003 over European Regions – Integrated Analysis with Ground-based Measurements, Satellite Data and Model Simulations

17:15–17:30; EMS2008-A-00679
San Jose, R.; Perez, J.L.; Morant, J.L.; Gonzalez-Barras, R.M.
Simulations of elevated PM10 values over Germany during the 2003 Winter by using MM5-CMAQ and WRF/CHEM mesoscale air quality models

17:30–17:45; EMS2008-A-00587
Cheremisin, A.; Marichev, V.; Nikolashkin, S.; Bychkov, V.; Shevtsov, B.; Kruchenitsky, G.
Meteorological aspects of aerosol observation by Siberian – Far-Eastern lidar stratospheric stations network

17:45–18:00; EMS2008-A-00185
Zoran, M.
Urban land surface parameters and their climatic effects derived from remote sensing satellite data

18:00–18:30; EMS2008-A-00713
Schulz, M.; Szopa, S.; van Velthoven, P.; Beekmann, M.; Bekki, S.; Builtjes, P.; Chipperfield, M.; Griesfeller, J.; Isaksen, I.; Meleux, F.; Menut, L.; Ung, A.; Timmermann, R.; Textor, C.; Ciais, P.
Data-model integration pilot studies in GEOMON for the interpretation of atmospheric gas and particle levels (solicited)

18:30 END OF ORAL PROGRAMME AW11.2

AW11.2 Environmental Meteorology (from local to global): Global Environmental Monitoring and Forecasting (including GMES related issues)

- POSTER PROGRAMME

Convener: Joffre, S.

Co-Convenor(s): Builtjes, P., Sokhi, R.

Display Time: Monday, 08:00–Tuesday, 20:00

Authors in Attendance: Tuesday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: SOKHI, R.

P0107; EMS2008-A-00429

Jaczewski, A.

Validation of water vapour data from the A-TRAIN with the radiosoundings

P0108; EMS2008-A-00506

Fokeeva, E.V.; **Rakitin, V.S.**; Kuznetsov, R.D.

Total column of the carbon monoxide and boundary layer parameters in the center of Moscow

P0109; EMS2008-A-00566

Tegoulias, I.; Zanis, P.; Katragkou, E.; Melas, D.;

Krueger, B.C.; Huszar, P.; Halenka, T.; Rauscher, S.

Meteorology-Chemistry links in present and future regional climate - air quality long-term simulations

END OF POSTER PROGRAMME AW11.2

AW12 Phenology and Agrometeorology

- ORAL PROGRAMME

Convener: Koch, E.

Co-Convenor(s): Eitzinger, J., Lalic, B.

Lecture Room: M

Chairperson: N.N.

8:30–9:00; EMS2008-A-00066

Eitzinger, J.; The ADAGIO team

Adaptation of vulnerable regional agricultural systems in Europe to climate change – results from the ADAGIO project (solicited)

9:00–9:15; EMS2008-A-00251

Attaher, S. M.; Medany, M. A.; Abou-Hadid, A. F.

Possible adaptation measures of agriculture sector in the Nile Delta region

9:15–9:30; EMS2008-A-00071

Utset, A.; del Rio, B.

Evaluating the capability of a current irrigation design to cope with the estimated climate change conditions for northern Spain

9:30–9:45; EMS2008-A-00001

Shahabfar, A.; Eitzinger, J.

Spatial and temporal analysis of drought in Iran by using drought indices

9:45–10:00; EMS2008-A-00145

Virág, V.; Mozny, M.; Stalmacher, S.; Nekovar, N.; Trnka, T.; Zalud, Z.

Changes in Czech pan evaporation from 1970 to 2007

10:00–10:15; EMS2008-A-00539

Trnka, M.; Stepanek, P.; Skalak, P.; Hlavinka, P.; Farda, A.; Balek, J.; Semeradova, D.; Eitzinger, J.

Is the Rainfed Agriculture in Central Europe at Risk? – Estimating Changes of the Critical Agroclimatic Parameters Using High Resolution Regional Climate Model

10:15–10:30; EMS2008-A-00684

Lyons, T.J.; Nair, U.S.; Foster, I.J.

Clearing enhances dust devil formation

10:30 Coffee Break

Chairperson: N.N.

11:00–11:15; EMS2008-A-00515

O'Rourke, E.F. ; Fealy, R.; Sweeney, J.; Fealy, R.M.

Modelling the Effect of Climate on the Incidence of Pests and Diseases: a Spatial Analysis of the Potential Impacts on Irish Agricultural Productivity

11:15–11:30; EMS2008-A-00468

Lalic, B.; Mihailovic, D.T.; Jevtic, R.; Jasnic, S.

Assessment of climate change impact on plant disease and pest occurrence in Vojvodina region

11:30–12:00; EMS2008-A-00685

Koch, E.; Hammerl, C.; Maurer, C.

BACCHUS Klosterneuburg wine And Climate Change in (Lower) Austria (solicited)

12:00–12:15; EMS2008-A-00354

Nejedlik, P.; Tekusova, M.

Phenological response to the climate in the extreme years in North Carpathian

12:15–12:30; EMS2008-A-00330

Hajkova, L.; Kazmarova, H.; Nekovar, J.; Novak, M.

Relations between allergology important phenophases entrance and course of elementary meteorological characteristics (Prague agglomeration)

12:30–12:45; EMS2008-A-00180

Zoran, M

Significance for anthropogenic and climate impact studies of satellite remotely-sensed biophysical parameters extraction of forest vegetation

12:45–13:00; EMS2008-A-00617

Nertan, A.; Stancalie, Gh.; Flueraru, C.; Irimescu, A

Quality assessment of global MODIS LAI product over croplands in southern Romania

13:00 END OF ORAL PROGRAMME AW12

AW12 Phenology and Agrometeorology

- POSTER PROGRAMME

Convener: Koch, E.

Co-Convenor(s): Eitzinger, J., Lalic, B.

Display Time: Monday, 08:00–Tuesday, 20:00

Authors in Attendance: Tuesday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0110; EMS2008-A-00212

Jatczak, K.; Walawender, J.

Average rate of phenological changes in Poland according to climatic changes – evaluation and mapping

P0111; EMS2008-A-00497

Žust, A.; Sušnik, A.

Determining past phenological development in Slovenia

P0112; EMS2008-A-00537

Bartošová, L.; Trnka, M.; Bauer, Z.; Mozny, M.; Stepanek, P.; Balek, J.

Observed Trends in Phenology of the Native Plant and Animal Species in Flood-Plain Forests of Central Europe during 1961 - 2008

- P0113; EMS2008-A-00716**
Koch, E.; Dittmann, E.; Lipa, W.; Menzel, A.; Nekovar, J.; Vliet, A.V.
COST725 Establishing a European Phenological Dataplat-form for climatological applications: major results
- P0114; EMS2008-A-00121**
Wielgolaski, F. E.; Nordli, Ø.; Karlsen, S. R.
Variation in long-term phenological plant series in Norway in relation to temperature
- P0115; EMS2008-A-00110**
Radicevic, Z.
Definition of agroclimatic regions for winegrape production in Serbia
- P0116; EMS2008-A-00552**
Quénol, H.; Barbeau, G.; Roger, S.; Briche, E.
Observation of the temperature on fine scales in vineyards of Loire Valley (France)
- P0117; EMS2008-A-00596**
Kern, A.; Barcza, Z.; Timár, G.; Bartholy, J.; Pongrácz, R.
Analysis of NDVI time series in Hungary using wavelet transform
- P0118; EMS2008-A-00605**
Gelybó, Gy.; Barcza, Z.; Haszpra, L.; Kern, A.; Tomel-leri, E.; Reichstein, M.; Bartholy, J.
MODIS GPP product: evaluation and calibration in Hungary using tall tower based direct flux measurements
- P0119; EMS2008-A-00080**
Ventrella, D.; Giglio, L.; Rinaldi, M.; Moriondo, M.; Bindì, M.
ADAGIO project in Southern Italy: pilot assessments to estimate the crop vulnerability to climate change
- P0120; EMS2008-A-00178**
Bukantis, A.; Marcinkonis, S.; Rimkus, E.; Valiuskevi-cius, G.
Monolithic lysimeter measurements of soil hydrothermal regimes: linkages with climate change impacts
- P0121; EMS2008-A-00622**
Lussana, C.
Reference crop evapotranspiration estimate in ARPA Lombardia
- P0122; EMS2008-A-00535**
Hlavinka, P.; Trnka, M.; Dubrovsky, M.; Semeradova, D.; Balek, J.; Zalud, Z.; Mozny, M.
Evaluation of Selected Methods for Water Stress Assessment within the Czech Republic
- P0123; EMS2008-A-00204**
Badakhova, G.Kh.
agriculture adaptation of the south region of russia
- P0124; EMS2008-A-00533**
Kocmánková, E.; Trnka, M.; Zalud, Z.; Semeradova, D.; Dubrovsky, M.; Muska, F.; Mozny, M.
The Estimation of the Potato Late Blight Infestation Pressure under the Changed Climate in the Czech Republic
- P0125; EMS2008-A-00538**
Trnka, M.; Schaumberger, A.; Hlavinka, P.; Kocmánková, E.; Eitzinger, J.; Formayer, H.; Ruget, F.; Zalud, Z.
Spatial and Site Specific Snow Cover Models for Crop Modeling Application
-
- AW13 Spatial interpolation and GIS modelling in earth system science (co-listed in UC)**
- ORAL PROGRAMME
- Convener: Dolinar, M.
Co-Convenor(s): Tveito, O.
Lecture Room: M.
Chairperson: TVEITO, O.
- 14:00–14:15; EMS2008-A-00043**
Frei, C.; Germann, U.; Fukutome, S.; Liniger, M.
Uncertainty in precipitation mapping – a case study of the August 2005 flood in Switzerland (solicited)
- 14:15–14:30; EMS2008-A-00269**
Shkaruba, A.; Kireyeu, V.
Classification of geophysical environments for stratified random sampling designs (solicited)
- 14:30–14:45; EMS2008-A-00491**
Dorninger, M.; Schneider, S.; Steinacker, R.; Chimani, B.; Sperka, S.
On the Interpolation of Precipitation Data over Complex Terrain (solicited)
- 14:45–15:00; EMS2008-A-00156**
Schiemann, R.; Frei, C.
Mapping daily precipitation from sparse station networks: A reduced-space optimal interpolation approach for the Alpine region
- 15:00–15:15; EMS2008-A-00294**
Silva, A.; Cunha, S.; Nunes, L.
Mean air temperature trends in Portugal mainland in the pe-riods 1941-1970 and 1971-2000: modelling and comparing spatial patterns in GIS
- 15:15–15:30; EMS2008-A-00540**
Lussana, C.; Salvati, M. R.; Ubaldi, F.
Efficient high-resolution 3-D interpolation of meteorological variables for operational use
- 15:30–15:45; EMS2008-A-00353**
Engen-Skaugen, T.; Homleid, M.; Midtbø, K.H.; Tveito, O.E.
Corrections of temperature forecast in Norway
- 15:45–16:00; EMS2008-A-00490**
Dumitrescu, A.; Cheval, S.
Temperature vertical gradient in the Romanian Carpathians derived from MODIS images
-
- 16:00 Coffee Break**
- Chairperson: TVEITO, O.
- 16:30–16:45; EMS2008-A-00271**
Sluiter, R.; Sluijter, R.
Automatic Mapping of Climate Variables Supplemented by Ancillary Data using GIS and Web Services
- 16:45–17:00; EMS2008-A-00226**
Brunetti, M.; Lentini, G.; Maugeri, M.; Nanni, T.; **Spinoni, J.**
High resolution spatial interpolation of Italian secular Temperature records
- 17:00–17:15; EMS2008-A-00597**
Janssen, S.; Dumont, G.; Fierens, F.; Mensink, C.
Spatial interpolation of air pollution measurement data and its application in policy support
- 17:15–17:30; EMS2008-A-00318**
Belda, F.; Poquet, D.; Garcia-Haro, F.J.
Topoclimatology of drought in Spain

END OF POSTER PROGRAMME AW12

17:30–17:45; EMS2008-A-00151 Venäläinen, A.; Pirinen, P. High spatial resolution meteorological data for agricultural and environmental applications	P0134; EMS2008-A-00721 Scharling, M.; Vilic, K. From station-based to grid-gased climatology
17:45–18:00; EMS2008-A-00313 de Wolff, R. Developing an Environmental Fog Potential Map using a GIS	P0135; EMS2008-A-00749 Bernhard, L. An uncertainty analysis of daily temperature and precipitation surfaces for Switzerland
18:00–18:15; EMS2008-A-00527 Bissolli, P.; Hogewind, F. GIS-based Climate Maps for Europe/WMO Region VI	P0136; EMS2008-A-00257 Kireyeu, V.; Shkaruba, A. Forest ecosystems and climate change: a framework for spatially explicit vulnerability assessment in Belarus
18:15–18:30; EMS2008-A-00520 Persson, C.; Jansson, A.; Kahnert, M. Spatial interpolation of meteorological and environmental variables over Europe testing Optimum Interpolation and 2D-Var techniques – Demo datasets in Showcase EUROGRID	P0137; EMS2008-A-00431 Tveito, O.E. Normals reconstructed – a spatio-temporal analysis of long term monthly temperatures

18:30 END OF ORAL PROGRAMME AW13

AW13 Spatial interpolation and GIS modelling in earth system science (co-listed in UC) - POSTER PROGRAMME

Convener: Dolinar, M.

Co-Convenor(s): Tveito, O.

Display Time: Monday, 08:00–Tuesday, 20:00

Authors in Attendance: Tuesday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: DOLINAR, M.

P0126; EMS2008-A-00014

Jurikovska, L.

Comparison of different methods for estimating precipitation based on radar and rain gauge measurements

P0127; EMS2008-A-00218

Brunetti, M.; Lentini, G.; Maugeri, M.; Nanni, T.; Spinoni, J.

High resolution spatial interpolation of Italian secular precipitation records

P0128; EMS2008-A-00265

Dolinar, M.

Convective precipitation mapping: case study of August 2005 flood event in Slovenia

P0129; EMS2008-A-00366

Krinis, P.; Voudouris, K.; **Mavrommatis, T.**

Developing a Rainfall-Discharge Model for Crete and Assessing its Sensitivity in Future Climate Conditions

P0130; EMS2008-A-00642

Lizama Rivas, B.; Koleva, I.

Application of GIS for runoff simulation in the north eastern bulgaria

P0131; EMS2008-A-00319

García-Haro, F.J.; **Belda, F.;** Poquet, D.

Estimation of climatological variables in Spain during the 1950-2008 period using geostatistical techniques

P0132; EMS2008-A-00283

Alaghmand, S.; Bagheri, Y.; Jamshidi, A.

Assessment the efficiency of different interpolation

P0133; EMS2008-A-00505

Percec Tadic, M.; Auer, I.; Bohm, R.; Hiebl, J.; Schoner, W.;

Bihari, Z.; Bissolli, P.; Brunetti, M.; Dolinar, M.; Spinoni, J. High resolution digital climatological maps for Croatia with comparison to the selected European and global climatological data sets

Forecasting the weather at all time scales - THORPEX studies, developments in NWP, applications and societal impact

NWP1.1 The dynamics and predictability of high impact weather - ORAL PROGRAMME

Convener: Parsons, D.

Lecture Room: N

Chairperson: PARSONS, D.

14:00–14:15; EMS2008-A-00736

Burridge, D.; Davies, H.; Wernli, H.; Szunyogh, I.

Challenges in Predictability and Dynamical Processes for Global Prediction – Lessons learned from THORPEX (solicited)

14:15–14:30; EMS2008-A-00770

Craig, G.; Jones, S.; Wernli, H.

The PANDOWAE Project (Predictability and Dynamics of Weather Systems in the Atlantic-European Sector) (solicited)

14:30–14:45; EMS2008-A-00161

Campa, J.; Wernli, H.

Rapidly deepening cyclones in the North Atlantic and North Pacific - an analysis of the ECMWF forecast performance

14:45–15:00; EMS2008-A-00222

Boettcher, M.; Wernli, H.

A case study of an explosively deepening, diabatic Rossby-wave induced cyclone: aspects of its dynamics and predictability

15:00–15:15; EMS2008-A-00396

Fink, A. H.; Brücher, T.; Ermert, V.; Krüger, A.; Pinto, J. G.

The Dynamics of the European Winter Storm Kyrill in January 2007

15:15–15:30; EMS2008-A-00502

Twitchett, A.; Schwierz, C.

The role of dynamical precursor features in UK heavy precipitation events

15:30–15:45; EMS2008-A-00005

Pokrovsky, O.; Matyugin, V.

Determination of the adaptive observations in the Northern Asia responded to the most efficient representation of the ensemble prediction systems

15:45–16:00; EMS2008-A-00270
Gavrilov, M.B.; Jovanovic, G.; Reljin, B.; Reljin, I.; Janjic, Z.I.
 The Assessment of Sensitivity of a Long-Range NWP Model on Small Changes in Initial Conditions and Model Parameters

16:00 Coffee Break

Chairperson: BURRIDGE, D.

16:30–16:45; EMS2008-A-00771

Nordeng, T.E.

The THORPEX Cluster within the International Polar Year (solicited)

16:45–17:00; EMS2008-A-00738

Parsons, D.; Brunet, G.

Challenges in Predictability and Dynamical Processes on Local and Regional Scales – Lessons Learned from the Priorities of the WWRP

17:00–17:15; EMS2008-A-00444

Argence, S.; Richard, E.; Lambert, D.; Chaboureau, J.P.; Arbogast, P.; Maynard, K.

Improving the numerical prediction of a cyclone in the Mediterranean by local potential vorticity modifications

17:15–17:30; EMS2008-A-00482

Nuissier, O.; Picart, J.; Plu, M.; Ducrocq, V.

Impact of lateral boundary conditions on predictability of Mediterranean Heavy Precipitation Events

17:30–17:45; EMS2008-A-00177

Mason, S. J.; Weigel, A. P.

A verification framework for communicating forecast quality to the general public

17:45–18:00; EMS2008-A-00134

Sultan, B.; Barbier, B.; Fortilus, J.M.R.

Measuring the economical value of climate prediction to agriculture: an academic study in Senegal

18:00–18:15; EMS2008-A-00053

Fallah-Ghalhary, Gh-A.; Mousavi-Baygi, M.; Habibi Nokhandan, M.

application of ANN for Annual rainfall prediction

18:15–18:30; EMS2008-A-00155

Hirvonen, J.; Raittila, J.; Saltikoff, E.; Schultz, D.; Tukiainen, P.; Hippi, M.

A Nowcasting Challenge: Icy Runway Conditions Associated with a Strong Cold Front

18:30 END OF ORAL PROGRAMME NWP1.1

NWP1.1 The dynamics and predictability of high impact weather - POSTER PROGRAMME

Convener: Parsons, D.

Display Time: Monday, 08:00–Tuesday, 20:00

Authors in Attendance: Tuesday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0138; EMS2008-A-00039

Sonechkin, D.M.

Cycles in the annual course of the planetary wave dynamics

P0139; EMS2008-A-00255

Kok, K.; Wickers Schreur, B.; Vogelezang, D.

Valuing information from mesoscale forecasts

P0140; EMS2008-A-00408

Vogelezang, D.; Wijngaard, J.; Maat, N.

Verification of statistical forecasts of low visibility at Amsterdam Airport Schiphol

P0141; EMS2008-A-00545

Stauch, V.J.; Gwerder, M.; Gyalistras, D.; Schubiger, F.

Statistical adaptation of mesoscale numerical weather forecasts for designing predictive control of indoor building climates

P0142; EMS2008-A-00683

Peeters, B.; Bokhove, O.; Frank, J.

A Hamiltonian numerical scheme for a hydrostatic atmosphere

P0142a; EMS2008-A-00774

Won, H.Y.; Kim, Y.-H.; Lee, H.-S.

Application and performance in the predictability of precipitation using a ground-based microwave radiometer

P0142b; EMS2008-A-00775

Jeon, E.-H.; Kim, Y.-H.; Kim, K.-H.; Lee, H.-S.

The performance examination of the dual-frequency ground-based microwave radiometer during the precipitation events

P0142c; EMS2008-A-00776

Kim, Y.-H.; Kim, K.-H.; Lee, H.-S.

Characteristics of the Changma rainfall from the KEOP-2007 intensive observations conducted over Korea

END OF POSTER PROGRAMME NWP1.1

NWP1.3 High Resolution Forecasting Systems - ORAL PROGRAMME

Convener: BROZKOVA, R.

Lecture Room: N

Chairperson: BROZKOVA, R.

8:30–8:45; EMS2008-A-00454

Baxter, G.; Ballard, S.; Dance, S.; Lawless, A.; Nichols, N.

Multiscale data assimilation for high resolution nested models

8:45–9:00; EMS2008-A-00670

Chronis, T.; Anagnostou, M.; Case, J.; Papadopoulos, A.; Anagnostou, E.; Serpetzoglou, E.; Nikolopoulos, E.

Case studies of hi resolution sst and surface wind assimilation using the wrf model over the eastern Mediterranean

9:00–9:15; EMS2008-A-00281

Leroy, D.; Buisson, E.; Wobrock, W.; Donnat, L.; Duclaux, O.; Puel, C.; Chaumerliac, N.

Development of a quality indicator for meso-scale weather forecasts

9:15–9:30; EMS2008-A-00358

Ancell, R.; Gutierrez, J.M.

High resolution probabilistic forecast using Bayesian Networks

9:30–9:45; EMS2008-A-00387

Beck, A.

Towards an objective consensus forecasting and guidance system

9:45–10:00; EMS2008-A-00462

Zimmer, M.; Frei, C.; Hagen, M.; Wernli, H.

Investigation of the quality of precipitation forecasts by different regional NWP models

10:00–10:15; EMS2008-A-00516

Gozzini, B.; Grifoni, D.; Messeri, G.; Rossi, M.; Pasi, F.; Piani, F.; Tei, C.

Validation of WRF weather forecasts of Tuscany Region (Italy) severe events

10:15–10:30; EMS2008-A-00591
Schlunzen, K.H.; Schroeder, G.; Fock, B.H.; Meschkat, G.;
Augustin, W.; Heueline, V.
High Resolution Forecasts for the 2007 America's Cup and
Evaluation with Buoy Measurements

10:30 END OF ORAL PROGRAMME NWP1.3

NWP1.3 High Resolution Forecasting Systems
- POSTER PROGRAMME

Convener: BROZKOVA, R.

Display Time: Monday, 08:00–Tuesday, 20:00

Authors in Attendance: Tuesday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0152; EMS2008-A-00456

Mahura, A.; Petersen, C.; Sass, B.

Road Weather Model Verification: Revised Approach

P0153; EMS2008-A-00466

Lazic, L.; Pejanovic, G.; Zivkovic, M.

Verification of the Eta Model forecasts for wind power
generation

P0154; EMS2008-A-00715

Egana, J.; **Gaztelumendi, S.**; Otxoa de Alda, K.; Gelpi, I.
R.; Hernandez, R.

Synoptical and mesoscale information for forecast purposes

END OF POSTER PROGRAMME NWP1.3

**NWP1.4 Observation Targeting & The Impact of Various
Observing Systems on Numerical Weather Prediction**
- ORAL PROGRAMME

Convener: Pailleux, J.

Co-Convener(s): Dibbern, J., Craig, G., Truscott, B.

Lecture Room: N

Chairperson: PAILLEUX, J.; DIBBERN, J.

Observation Impact

11:00–11:15; EMS2008-A-00752

Pailleux, J.

A synthetic view of the impact of observing systems on
NWP models

11:15–11:30; EMS2008-A-00160
Geijo, C.; Amstrup, B.; Dahlgren, P.; De Vries, J.; Gustafsson, N.; Vignes, O.; Whelan, E.; Yang, X.
Recent observation impact studies with the HIRLAM
4D-VAR assimilation algorithm

11:30–11:45; EMS2008-A-00718

Guidard, V.; Fourrié, N.; Pangaud, T.; Rabier, F.;
Bouchard, A.

Contribution to impact studies on AIRS and IASI assimila-
tion in the global model ARPEGE

11:45–12:00; EMS2008-A-00365

Marseille, G.J.; Stoffelen, A.; Barkmeijer, J.

Sensitivity Observing System Experiment (SOSE) - A
New Effective NWP-based Tool in Designing the Global
Observing System - Application to the 1999 Christmas
Storm "Martin"

12:00–12:15; EMS2008-A-00363

Dance, S. L.; Rennie, S. J.

Utilization of Doppler radar wind measurements from insect
returns

Data Targeting

12:15–12:30; EMS2008-A-00742

Mansfield, D.

An operational trial of a Data Targeting System

12:30–12:45; EMS2008-A-00743

Candy, B.; Bovis, K.; Dando, M.

Observation Density and Adaptive Thinning Studies at the
Met Office with Satellite

12:45–13:00; EMS2008-A-00744

Craig, G.; Arbogast, P.; Bovis, K.; Doerenbecher, A.; Dörn-
brack, A.; Fix, A.; Homar, V.; Kiemle, C.; Klink, S.;
Lawrence, A.; Meyer, G.; Rahm, S.; Richard, E.;
Schäfler, A.; Simmet, R.; Weissmann, M.; Wiegele, A.;
Wirth, A.

Observation targeting in ETReC 2007

13:00 END OF ORAL PROGRAMME NWP1.4

SESSION PROGRAMME

WEDNESDAY

Wednesday, 1 October 2008			
	Forum	Lecture Room L	Lecture Room M
	UC3: Climate monitoring, mapping & data management – 1 A-00532: Bissoli, P A-00341: Klein, T	MS1: Media & Communication – 1 A-00755: Morin, R <i>Silver Medal Lecture</i> A-00434: Benestad, RE	MS2: Decision Making A-00711: Spekat, A A-00659: Klein-Tank, A
8:30 – 10:30	A-00095: Brunet, M A-00677: Lukaszczyk, Ch A-00650: Mäichel, H A-00723: Hansen, L A-00087: Charastansky, A A-00421: van Ulden, AP	A-00238: Meinke, I A-00234: Rohbrecht, HR A-00059: Mengelkamp, HT A-00630: Ravenel, H A-00519: Pasqui, M	AW8: Boundary Layer Physics and Parametrization – 1 A-00049: Mahrt, L A-00321: Galperin, B A-00694: Dubos, T A-00198: Xu, KM
	UC3: Climate monitoring, mapping & data management – 2 A-00131: Fukutome, S A-00342: Nejedlik, P A-00624: Dotzek, N A-00523: Bissoli, P A-00510: Hollis, D A-00015: Groen, G	MS1: Media & Communication – 2 A-00374: Najman, M A-00766: Trobec, J A-00728: Kootval, H A-00729: Martin, C Networking, CBN-E Video Clips	AW1: Dynamical Meteorology A-00531: Marras, S A-00192: Caballero, R A-00050: Wang, Y A-00140: Cao, Z A-00173: Ayarzagüena, B A-00686: van Delden, A
	Poster Presentations	Award Presentations and Recommendations	AW8: Boundary Layer Physics and Parametrization – 2 A-00693: Cataland, F A-00734: Petrosyan, A A-00528: Schröter, J A-00274: Lanotte, AS A-00636: Köhler, M A-00691: Weng, W
11:00 – 13:00	Communication on Climate Change: Strategic Lectures <i>Chair :</i> P. van der Geer To be announced A. Feit M Visbeck R van Dorland C van Woerkom	UC4: Climate reconstructions and historical climatology - 1 A-00714: Pfister, C A-00446: Garcia de Cortaz-Ata. A-00200: Lundstadt, E A-00147: Dobrovolny, P A-00129: Trouet, V – YSTA A-00109: Brazdil, R A-00010: Ekamper, P	AW6: Instruments & new challenges in observation strat.- 1 A-00308: Moene, AF A-00211: Watts, CJ A-00333: Braam, M A-00094: Hartogensis, OK A-00004: Odhiambo, GO A-00652: de Bruin, HAR
14:00 – 16:00	Coffee Break 15:45 – 16:15	UC4: Climate reconstructions and historical climatology -2 A-00582: Vizi, Z	AW6: Instruments & new challenges in observation strat.- 2 A-00084: Gryning, SE
16:30 – 18:30	Communication on Climate Change: Panel discussion <i>Facilitator:</i> P. van der Geer To be announced R. Black I. Meinke F. Raes J. van den Berg M. Helmer Session ends 17:30	A-00380: Stickler, A A-00199: Vaquero, JM A-00254: Ribeiro, A A-00633: Wheeler, D A-00197: Vaquero, JM A-00184: Rosenhagen, G A-00078: Bonacci, O A-00040: Datsenko, NM	A-00276: Savage, MI A-00006: Ferker, B A-00667: Jarmain, J A-00680: Everson, CS A-00082: Hartogensis, OK A-00063: Beyrich, F A-00256: Xu, Z Poster Presentations

Mon | Tue | Wed | Thu | Fri

European Conference on Applied Climatology

UC3 Climate monitoring, mapping and data management - ORAL PROGRAMME

Convener: Forland, E.

Co-Convener(s): Della-Marta, P.; Prior, J.; Szalai, S.; Brunet India, M.

Lecture Room: Forum

Chairperson: FORLAND, E.

8:30–8:45; EMS2008-A-00532

Bissolli, P.

ECSC – European Climate System Monitoring. A simplified Web Platform for Dissemination of Climate Monitoring Products (solicited)

8:45–9:00; EMS2008-A-00341

Klein, T.; Persson, C.

Showcase EUROGRID – Towards a European resource for gridded climate data, products and services

9:00–9:15; EMS2008-A-00095

Brunet, M.; Baddour, O.; THE MEDARE Community
A WMO project for enhancing climate data availability over the Greater Mediterranean Region: The MEDARE Initiative

9:15–9:30; EMS2008-A-00677

Lukasczyk, Ch.; Felix, V.; van Geijtenbeek, D.; Häberli, C.
IDAWEB – An interactive data access for R&D purposes

9:30–9:45; EMS2008-A-00650

Mäichel, H.; Kapala, A.; Behrendt, J.

KLIDADIGI, a project to digitize historical climate data in Germany

9:45–10:00; EMS2008-A-00723

Hansen, L.

The new database systems on DMI

10:00–10:15; EMS2008-A-00087

Chrastansky, A.; Weisse, R.; Günther, H.; Callies, U.; von Storch, H.; Feser, F.; Woth, K.; Grabemann, I.; Plüß, A.
A consistent meteo-marine data set for coastal and offshore applications

10:15–10:30; EMS2008-A-00421

van Ulden, A. P.

The Construction of a Central Netherlands Temperature

10:30 Coffee Break

Chairpersons: PRIOR, J.; BRUNET INDIA, M.

11:00–11:15; EMS2008-A-00131

Fukutome, S.; Liniger, M.; Frei, C.

Extreme Value Analysis in Switzerland (solicited)

11:15–11:30; EMS2008-A-00342

Nejedlík, P.; Pecho, J.; Faško, P.; Gaál, L.; Koštálová, J.; Kajaba, P.

Short-term rainfall intensity maxima and maximal 1-day and k-days precipitation totals in Slovakia

11:30–11:45; EMS2008-A-00624

Groenemeijer, P.; Dotzek, N.; Liang, Z.; Kühne, T.
Enhanced capabilities of the European Severe Weather Database ESWD to monitor extreme weather events

11:45–12:00; EMS2008-A-00523

Maier, U.; **Bissolli, P.**

Snow Maps for European Climate Monitoring

12:00–12:15; EMS2008-A-00510

Hollis, D.; Clark, P.

Estimating the small-scale wind energy resource for the UK

12:15–12:30; EMS2008-A-00015

Groen, G.

Potential wind, theory and practical use

12:30–12:31; EMS2008-A-00187

Boi, P.

Monitoring snow cover over Italy by MSG data

12:31–12:32; EMS2008-A-00327

Dementeva, A.L.; Zhamsueva, G.S.; Zayakhanov, A.S.; Tsydypov, V.V.

Research of turbulent condition in atmosphere Mongolia of arid and semi arid territory (cancelled)

12:32–12:33; EMS2008-A-00346

Pecho, J.; Faško, P.; Mikulová, K.; Sadovský, Z.; Bochníček, O.; Kajaba, P.

Snow water equivalent regime and processing of its maximum values in Slovakia as basic data source for snow load standard assessment

12:33–12:34; EMS2008-A-00382

López, J. A.; **Luna, M. Y.**; Chazarra, A.

Preliminary results of daily temperature data homogeneisation in spain: the future creation of a gridded dataset

12:34–12:35; EMS2008-A-00383

Manea, A.; Ralita, I.; Boroneant, C.; Toma, E.

Present weather sensor – preliminary results of the comparison

12:35–12:36; EMS2008-A-00394

Kaspar, F.; Träger-Chatterjee, C.; Schulz, J.; Fuchs, P.; Hollmann, R.; Jonas, M.; Lockhoff, M.; Müller, R.; Schröder, M.
Operational climate monitoring from space: the EUMET-SAT Satellite Application Facility on Climate Monitoring (CM-SAF)

12:36–12:37; EMS2008-A-00402

Tammets, T.; Paljak, T.

Statistical and synoptical overview and analysis of extreme hot and cold periods in Estonia since 1961

12:37–12:38; EMS2008-A-00415

Molinos, F.; Martínez, D.; Cuxart, J.

Climatology of the stably stratified nights in the Ebro Valley

12:38–12:39; EMS2008-A-00492

Ronchi, C.; De Luigi, C.; Ciccarelli, N.; Loglisci, N.

Development of a daily gridded climatological air temperature dataset based on a optimal interpolation of ERA-40 reanalysis downscaling and a local high resolution thermometers network

12:39–12:40; EMS2008-A-00494

Breza, T.; Baciu, M.; Cheval, S.; Dumitrescu, A.

Classification of the extreme rainfall events in Romania based on Intensity-Duration-Frequency criteria

12:40–12:41; EMS2008-A-00518

Begert, M.

The Swiss National Basic Climatological Network: Representativity study using cluster analysis

12:41–12:42; EMS2008-A-00586

Oancea, S.; Alecu, C.

Gap analysis of the land surface temperature estimated from Meteosat-9 satellite data over Romania

12:42–12:43; EMS2008-A-00618

Stepanek, P.; Zahradnicek, P.; Skalak, P.

Extreme values analysis in daily air temperature and precipitation series in the area of the Czech Republic since 1961

- 12:43–12:44;** EMS2008-A-00536
Mirboroon, S.; Sharifi, M.A.; Mashhadi-hossainali, M.
 Observing temperature vertical profiles using the LEO satellites, case study: Iran
- 12:44–12:45;** EMS2008-A-00724
Kern-Hansen, C.
 On the future observation strategy of DMI
- 12:45–12:46;** EMS2008-A-00725
Thomsen, R.S.
 On the Danish rain-intensity rain-gauge data and network
- 12:46–12:47;** EMS2008-A-00726
Laursen, E. V.
 More Greenland real-time meteorological data
-
- 12:47 END OF ORAL PROGRAMME UC3**
 (to be continued on Friday)
-

UC3 Climate monitoring, mapping and data management - POSTER PROGRAMME

Convener: Forland, E.
 Co-Convenor(s): Della-Marta, P., Prior, J., Szalai, S., Brunet India, M.
 Display Time: Wednesday, 08:00–Friday, 13:00
Authors in Attendance: Thursday, 18:30–20:00
 Poster Area: Forum Lounge (Ground Floor)
 Chairperson: BRUNET INDIA, M.

- P0032;** EMS2008-A-00187
Boi, P.
 Monitoring snow cover over Italy by MSG data
- P0033;** EMS2008-A-00327
Dementeva, A.L.; Zhamsueva, G.S.; Zayakhanov, A.S.; Tsydypov, V.V.
 research of turbulent condition in atmosphere Mongolia of arid and semi arid territory (cancelled)

- P0034;** EMS2008-A-00346
Pecho, J.; Faško, P.; Mikulová, K.; Sadovský, Z.; Bochníček, O.; Kajaba, P.
 Snow water equivalent regime and processing of its maximum values in Slovakia as basic data source for snow load standard assessment

- P0035;** EMS2008-A-00382
López, J. A.; **Luna, M. Y.**; Chazarra, A.
 Preliminary results of daily temperature data homogeneisation in spain: the future creation of a gridded dataset

- P0036;** EMS2008-A-00383
Manea, A.; Ralita, I.; Boroneant, C.; Toma, E.
 Present weather sensor – preliminary results of the comparison

- P0037;** EMS2008-A-00394
 Kaspar, F.; Träger-Chatterjee, C.; Schulz, J.; Fuchs, P.; Hollmann, R.; Jonas, M.; Lockhoff, M.; Müller, R.; Schröder, M.
 Operational climate monitoring from space: the EUMET-SAT Satellite Application Facility on Climate Monitoring (CM-SAF)

- P0038;** EMS2008-A-00402
Tammets, T.; Paljak, T.
 Statistical and synoptical overview and analysis of extreme hot and cold periods in Estonia since 1961

- P0039;** EMS2008-A-00415
Molinós, F.; Martínez, D.; Cuxart, J.
 Climatology of the stably stratified nights in the Ebro Valley

- P0040;** EMS2008-A-00492
Ronchi, C.; De Luigi, C.; Ciccarelli, N.; Loglisci, N.
 Development of a daily gridded climatological air temperature dataset based on a optimal interpolation of ERA-40 reanalysis downscaling and a local high resolution thermometers network

- P0041;** EMS2008-A-00494
Breza, T.; Baciu, M.; Cheval, S.; Dumitrescu, A.
 Classification of the extreme rainfall events in Romania based on Intensity-Duration-Frequency criteria

- P0042;** EMS2008-A-00518
Begert, M.
 The Swiss National Basic Climatological Network: Representativity study using cluster analysis

- P0043;** EMS2008-A-00536
Mirboroon, S.; Sharifi, M.A.; Mashhadi-hossainali, M.
 Observing temperature vertical profiles using the LEO satellites, case study: Iran

- P0044;** EMS2008-A-00586
Oancea, S.; Alecu, C.
 Gap analysis of the land surface temperature estimated from Meteosat-9 satellite data over Romania

- P0045;** EMS2008-A-00618
Stepanek, P.; Zahradnicek, P.; Skalak, P.
 Extreme values analysis in daily air temperature and precipitation series in the area of the Czech Republic since 1961

- P0046;** EMS2008-A-00724
Kern-Hansen, C.
 On the future observation strategy of DMI

- P0047;** EMS2008-A-00725
Thomsen, R.S.
 On the Danish rain-intensity rain-gauge data and network
- P0048;** EMS2008-A-00726
Laursen, E. V.
 More Greenland real-time meteorological data
-

END OF POSTER PROGRAMME UC3

UC4 Climate reconstructions and historical climatology - ORAL PROGRAMME

Convener: García-Herrera, R.
 Co-Convenor(s): Wheeler, D., Luterbacher, J., Bronnimann, S., Brázdil, R.
 Lecture Room: L..
 Chairperson: BRÖNIMANN, S.

- 14:00–14:15;** EMS2008-A-00714
Pfister, C.
 Seasonal climate variability in Medieval Europe (1000 to 1499)

- 14:15–14:30;** EMS2008-A-00446
Garcia de Cortazar-Atauri, I.; Parker, A.; Van Leeuwen, C.; Tardaguila, J.; Boursiquot, J.M.; Demarée, G.; The OPHELIE Team
 Climate reconstruction of Europe during the last millennium

- 14:30–14:45;** EMS2008-A-00200
Lundstad, E.; Nordli, O.; Mathisen, T.I.
 Historical documentary records to reconstruct climate in Norway

- 14:45–15:00;** EMS2008-A-00147
Dobrovolny, P.; Moberg, A.; Brazdil, R.; Wilson, R.; Pfister, C.; Glaser, R.
 Temperature series of Central Europe from AD 1501: synthesis of documentary evidence and instrumental data

15:00–15:15; EMS2008-A-00129

Trouet, V.; Esper, J.; Graham, N.; Baker, A.; Frank, D.; Scourse, J.

A multi-proxy reconstruction of multidecadal winter NAO variability over the past millennium

15:15–15:30; EMS2008-A-00109

Brazdil, R.; Dobrovolny, P.; Kotyza, O.; Valasek, H.; Mackova, J.; Halickova, M.

Potential of historical climatology for climate reconstructions: example of the Czech Republic

15:30–15:45; EMS2008-A-00010

Ekamper, P.; van Poppel, F.; van Duin, C.; de Beer, J.; Garssen, J.

150 years of temperature-related excess mortality in the Netherlands

15:45–16:00; EMS2008-A-00582

Vizi, Z.; Przybylak, R.

A Database of Early Instrumental Meteorological Observations for Arctic Regions

16:00 Coffee Break

Chairperson: BRAZDIL, R.

16:30–16:45; EMS2008-A-00380

Stickler, A.; Grant, A.; Ewen, T.; Brönnimann, S.

A comprehensive, standardised historical upper air dataset

16:45–17:00; EMS2008-A-00199

Trigo, R.M.; **Vaquero, J.M.**; Alcoforado, M.J.; Barriendos, M.; Taborda, J.; García-Herrera, R.; Luterbacher, J. Iberian climate and Tambora volcanic eruption (1815)

17:00–17:15; EMS2008-A-00254

Monteiro, A.; Ribeiro, A.; Leão, B.; Machado, J.; Barbosa, P.

Cyclones in Portugal: frequency, intensity, damage and trends

17:15–17:30; EMS2008-A-00633

Wheeler, D.; Garcia-Herrera, R.; Vaquero, J.M.; Chenoweth, M.; Mock, C.J.

Reconstructing hurricane histories: an example from 1680

17:30–17:45; EMS2008-A-00197

Vaquero, J.M.; Garcia-Herrera, R.; Wheeler, D.; Chenoweth, M.; Mock, C.J.

Severe weather event in Iberia related to a Hurricane in 1842

17:45–18:00; EMS2008-A-00184

Rosenhagen, G.; Bork, I.

The extreme storm in the south-western Baltic Sea in November 1872 –

18:00–18:15; EMS2008-A-00076

Bonacci, O.

Anthropogenic influences on climate change - an other point of view

18:15–18:30; EMS2008-A-00040

Datsenko, N.M.; Sonechkin, D.M.

Reconstructing the super low-frequency climate variability with tree-rings

18:30 END OF ORAL PROGRAMME UC4

UC4 Climate reconstructions and historical climatology - POSTER PROGRAMME

Convener: García-Herrera, R.

Co-Convenor(s): Wheeler, D., Luterbacher, J., Brönnimann, S., Brázil, R.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: WHEELER, D.

P0049; EMS2008-A-00378

Polanco, J.; Sáenz, J.; Robles, S.; Rosales, I.

Long-period orbital cycles of Early Jurassic detected $\delta^{18}\text{O}$ trends of belemnites from the Basque-Cantabrian basin, northern Spain

P0050; EMS2008-A-00543

Servonnat, S.; Khodri, K.; Yiou, Y.; Denvil, D.

Intra-annual climate variability in the North Atlantic during the last millennium : influence of the solar forcing in the IPSLCM4v2 climate model

P0051; EMS2008-A-00307

Boychenko, S.

About the quasi-periodic fluctuations of ground temperature of Northern hemisphere in the last millennium

P0052; EMS2008-A-00464

Filipliak, J.

The variability of air pressure in Gdańsk in the 18th century

P0053; EMS2008-A-00122

Barriendos, M.; Castro-Díez, Y.; Cuadrat, J.M.; Gallego, D.; García-Herrera, R.; Gimeno, L.; Hernández, E.; Nieto, R.; Rodrigo, F.S.; Vaquero, J.M.

Medical topographical studies: a new source of climatic data in the Iberian Peninsula (18th-19th centuries)

P0054; EMS2008-A-00193

Gallego, D.; Peña-Ortiz, C.; Garcia-Herrera, R.; Prieto, M.R. Atmospheric imprints of the snow occurrence in the Central Argentinean Andes: assessing a documentary reconstruction

P0054a; EMS2008-A-00073

Allan, R. The Atmospheric Circulation Reconstructions over the Earth (ACRE) initiative

END OF POSTER PROGRAMME UC4

Atmosphere and the Water Cycle

AW1 Dynamical Meteorology - ORAL PROGRAMME

Convener: Frisia, T.

Co-Convenor(s): Rutledge, P., Lunkeit, F.

Lecture Room: M

Chairperson: N.N.

11:00–11:15; EMS2008-A-00531

Marras, S.; Vazquez, M.; Aubrey, R.; Jorba, O.; Houzeaux, G.; Cela, J.M.; Baldasano, J.M.

A massively parallel Finite Element approach to the solution of non-hydrostatic compressible atmospheric flows

11:15–11:30; EMS2008-A-00192

Caballero, R.

Extratropical control of Hadley cell strength in observations and global climate models

11:30–11:45; EMS2008-A-00050 Wang, W. An Extratropical Air-Sea Interaction over the North Pacific in Association with a Preceding El Niño Episode in Early Summer	15:00–15:15; EMS2008-A-00094 Kleissl, J.; Gomez, J.D.; Hendrickx, J.M.H; Hartogensis, O.K.; de Bruin, H.A.R. The Sevilleta Scintillometer Saturation Field Experiment
11:45–12:00; EMS2008-A-00140 Cao, Z. The sting jet features in a typical extratropical cyclone	15:15–15:30; EMS2008-A-00004 Odhiambo, G. O.; Savage, M. J. Influence of wind direction and a slanting beam angle on surface layer scintillometer estimates of sensible heat flux
12:00–12:15; EMS2008-A-00173 Ayarzagüena, B.; Serrano, E. Relationship between the timing of northern Stratospheric Final Warmings and changes in the wave activity	15:30–15:45; EMS2008-A-00652 Evans, J. G.; deBruin, H.A.R. Effective height of a dual-wavelength scintillometer system over complex terrain
12:15–12:30; EMS2008-A-00686 van Delden, A.; Hinszen, Y. How is the potential vorticity distribution in the stratosphere established?	15:45–16:00; EMS2008-A-00084 Gryning, S.-E.; Soegaard, H.; Batchvarova, E. Aggregation of CO ₂ fluxes
12:30–12:45; EMS2008-A-00606 Vanina-Dart, L.B. Relation between the ionosphere F2 region and stratosphere in different space weather conditions	16:00 Coffee Break

12:45 END OF ORAL PROGRAMME AW1

AW1 Dynamical Meteorology - POSTER PROGRAMME

Convener: Frisia, T.

Co-Convenor(s): Ruti, P., Lunkeit, F.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0101; EMS2008-A-00203

Salinas, A.; González, M.

Frontal structures identification in the Gulf of Mexico

P0102; EMS2008-A-00573

Lakkis, S.G.; Lavorato, M.; Canziani, O.O.

Tropopause heights with lidar in Buenos Aires, Argentina

END OF POSTER PROGRAMME AW1

AW6 Instruments and new challenges in observation strategies: Surface energy fluxes and atmospheric turbulence - ORAL PROGRAMME

Convener: de Bruin, H.

Co-Convenor(s): Beyrich, F., Bosveld, F.

Lecture Room: N

Chairperson: BEYRICH, F.

14:00–14:30; EMS2008-A-00308

Moene, A.F.; Gioli, B.

Spatial variability of structure parameters and surface fluxes obtained from airborne turbulence measurements around the Cabauw tower (solicited)

14:30–14:45; EMS2008-A-00211

de Bruin, H.; **Watts, C. J.; Garatza-Payan, J.; Rodriguez, J. C.; Hartogensis, O. K.**

MOST relationships for the structure parameter of temperature under very unstable conditions

14:45–15:00; EMS2008-A-00333

Braam, M.; Bosveld, F. C.; Moene, A. F.

Determination of the surface sensible heat flux from the structure parameter of temperature at 60 m height

16:00 Coffee Break

Chairperson: BOSVELD, F.

16:30–16:45; EMS2008-A-00276

Savage, M.J.

Estimation of evaporation for a mixed-community grassland site using a dual-beam surface layer scintillometer and component energy balance measurements

16:45–17:00; EMS2008-A-00006

Ferket, B.; Samain, B.; De Bruin, H.; Pauwels, V.

The relative importance of accurate catchment-averaged evapotranspiration inputs versus automatic calibration procedures for operational flood forecasting

17:00–17:15; EMS2008-A-00667

Jarmain, C; Everson, C.S.; Savage, M.J.; Mengistu, M.G.

Suitability and accuracy of techniques to estimate evaporation from different surfaces: case studies from south africa

17:15–17:30; EMS2008-A-00680

Everson, C.S.; Clulow, A.; Mengitsu, M.G.

The use of scintillometry to measure evaporation from riparian zones in ephemeral river systems in the semi-arid karroo of South Africa

17:30–17:45; EMS2008-A-00082

Hartogensis, O.K. ; Van Kesteren, B.; Evans, J.; Bradford, J.; Moene, A.F.; Holtslag, A.A.M.

Sensible and Latent Heat Fluxes with an Optical and Millimeter wave Scintillometer system at the Chilbolton test range

17:45–18:00; EMS2008-A-00063

Beyrich, F.

Operational Aspects of Scintillometry: Achievements and Limitations

18:00–18:15; EMS2008-A-00256

Xu, Z.; Liu, S.; Huang, B.

The Large Aperture Scintillometer measurements over different surfaces in China

18:15–18:16; EMS2008-A-00083

Hartogensis, O.K.; De Bruin, H.A.R.

The Hill Bump and Laser Scintillometry

18:16–18:17; EMS2008-A-00216

Krupski, M.; Peters, G.

An improved tilt correction method for eddy covariance measurements

18:17–18:18; EMS2008-A-00060

Collet, M.; Besnard, T.; Berger, L.

Improvement of cloud cover monitoring by use of motor aspirated pyrometers

- 18:18–18:19; EMS2008-A-00391**
Nagy, Z.; Weidinger, T.; Baranka, G.; Tóth, Z.; Nagyné Kovács, E.; Mészáros, R.; Gyöngyösi, A. Z.; Törék, O.
 Baseline climate network in Hungary and application for air quality dispersion models
- 18:19–18:20; EMS2008-A-00674**
Anagnostou, M.; Nystuen, J.; Anagnostou, E.; Chronis, T.; Nikolopoulos, E.; Amitai, E.; Papadopoulos, A.
 A first comparison between underwater acoustic estimates and dual Polarization measurements over the Aegean Sea
- 18:20–18:21; EMS2008-A-00236**
Lu, L.; Liu, S.; Bai, J.
 Results from short and long $^{\circ}\text{C}$ term measurements of Large Aperture Scintillometer over different surfaces
- 18:21–18:22; EMS2008-A-00041**
Gouvea, M.L.; Grimmond, C.S.B.
 Turbulent sensible heat fluxes in central London: preliminary results
- 18:22–18:23; EMS2008-A-00336**
Rodriguez, J.; Watts, C.; Garatuza, J.; Chehbouni, A.; Ezzahar, J.; Debruin, H.
 Comparison of area averaged sensible heat flux derived from GOES surface temperature with LAS (Large Aperture Scintillometer) measurements over a patchwork of irrigated crops in NW Mexico
-
- 18:23 END OF ORAL PROGRAMME AW6**
-
- AW6 Instruments and new challenges in observation strategies: Surface energy fluxes and atmospheric turbulence - POSTER PROGRAMME**
- Convener: de Bruin, H.
 Co-Convenor(s): Beyrich, F., Bosveld, F.
 Display Time: Wednesday, 08:00–Friday, 13:00
- Authors in Attendance: Thursday, 18:30–20:00**
 Poster Area: Forum Lounge (Ground Floor)
 Chairperson: N.N.
- P0111; EMS2008-A-00083**
Hartogensis, O.K.; De Bruin, H.A.R
 The Hill Bump and Laser Scintillometry
- P0112; EMS2008-A-00216**
Krupski, M.; Peters, G.
 An improved tilt correction method for eddy covariance measurements
- P0113; EMS2008-A-00060**
Collet, M.; Besnard, T.; Berger, L.
 Improvement of cloud cover monitoring by use of motor aspirated pyrometers
- P0114; EMS2008-A-00391**
Nagy, Z.; Weidinger, T.; Baranka, G.; Tóth, Z.; Nagyné Kovács, E.; Mészáros, R.; Gyöngyösi, A. Z.; Törék, O.
 Baseline climate network in Hungary and application for air quality dispersion models
- P0115; EMS2008-A-00674**
Anagnostou, M.; Nystuen, J.; Anagnostou, E.; Chronis, T.; Nikolopoulos, E.; Amitai, E.; Papadopoulos, A.
 A first comparison between underwater acoustic estimates and dual Polarization measurements over the Aegean Sea
- P0116; EMS2008-A-00236**
Lu, L.; Liu, S.; Bai, J.
 Results from short and long $^{\circ}\text{C}$ term measurements of Large Aperture Scintillometer over different surfaces
- P0117; EMS2008-A-00041**
Gouvea, M.L.; Grimmond, C.S.B.
 Turbulent sensible heat fluxes in central London: preliminary results
- P0118; EMS2008-A-00336**
Rodriguez, J.; Watts, C.; Garatuza, J.; Chehbouni, A.; Ezzahar, J.; Debruin, H.
 Comparison of area averaged sensible heat flux derived from GOES surface temperature with LAS (Large Aperture Scintillometer) measurements over a patchwork of irrigated crops in NW Mexico
-
- END OF POSTER PROGRAMME AW6**
-
- AW8 Boundary-layer physics and parameterizations in weather and climate forecast - ORAL PROGRAMME**
- Convener: Zilitinkevich, S.
 Co-Convenor(s): Petrosyan, A.
 Lecture Room: N
 Chairperson: PETROSYAN, A.
- 8:30–9:00; EMS2008-A-00049**
Mahrt, L.
 Interaction between turbulence and submeso motions in stratified boundary layers (solicited)
- 9:00–9:15; EMS2008-A-00321**
Galperin, B.; Sukoriansky, S.; Atlaskin, E.
 QNSE-based surface layer parameterization in simulations of stably stratified atmospheric boundary layers
- 9:15–9:30; EMS2008-A-00694**
Drobinski, P.; Dubos, T.
 From large-scale land/sea-breezes to mesoscale inland breezes: a linear approach
- 9:30–10:00; EMS2008-A-00198**
Xu, K. M.; Cheng, A.
 A Subgrid-scale Microphysics Parameterization for Simulation of Drizzling Boundary-layer Clouds (solicited)
- 10:00–10:30; EMS2008-A-00710**
Esau, I.; Zilitinkevich, S.
 Atmospheric planetary boundary layer feedback in climate system and triggering of climate change at high latitudes (solicited)
-
- 10:30 Coffee Break**
-
- Chairperson: ZILITINKEVICH, S.
- 11:00–11:15; EMS2008-A-00693**
Catalano, F.; Cenedese, A.
 Anabatic and katabatic winds in a valley
- 11:15–11:30; EMS2008-A-00734**
Karelsky, K.; Petrosyan, A.; Slavin, A.
 Advanced numerical analysis of rotating shallow water equations on complex boundary
- 11:30–11:45; EMS2008-A-00528**
Schröter, J.; Moene, A. F.; Holtslag, A.A.M.
 Exploring the potential of mass flux concepts for momentum transport in the dry convective boundary layer
- 11:45–12:00; EMS2008-A-00274**
Antonelli, M.; Lanotte, A.S.; Mazzino, A.
 Anisotropies and universality of buoyancy-dominated turbulent boundary layers

12:00–12:15; EMS2008-A-00636

Köhler, M.

Turbulent transports impacting baroclinic scales?

12:15–12:30; EMS2008-A-00691

Weng, W.; Taylor, P. A.

A Modelling Study of Internal Boundary-Layers at Long Fetches

12:30–12:45; EMS2008-A-00600

de Roode, S.R.; Perrin, V.

Large Eddy Simulation of Stable Boundary Layers with a prognostic subgrid TKE equation

12:45–13:00; EMS2008-A-00733

Belotserkovsky, A.; Bashmakova, I.; Golitsyn, G.; Karlin, L.; Kasimov, N.; Petrosyan, A.; Room, R.; Serditova, N.; Stepanenko, S.; **Zilitinkevich, S.**

Round table discussion on “Development of competency-based two-level curricula in Meteorology (TEMPUS JEP 26005-2005 COMBAT-METEO)”

13:00 END OF ORAL PROGRAMME AW8

AW8 Boundary-layer physics and parameterizations in weather and climate forecast

- POSTER PROGRAMME

Convener: Zilitinkevich, S.

Co-Convenor(s): Petrosyan, A.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0140; EMS2008-A-00016

Martano, P.

Study of a surface evaporation scheme for statistical downscaling of climate variables

P0141; EMS2008-A-00303

Matejka, F.; Hurtalova, T.; Fleischer, P.

Parameterization of atmospheric surface layer over wind disaster area

P0142; EMS2008-A-00472

Khalil, M.

Large-Eddy Simulation of Neutrally-Stratified Atmospheric Boundary Layer over Wavy Surfaces

P0143; EMS2008-A-00708

Fung, W.; Lam, K.

Impact of urbanization on temperature trend

END OF POSTER PROGRAMME AW8

Meteorology and Society

MS1 Media and Communication - ORAL PROGRAMME

Convener: Cegnar, T.

Co-Convenor(s): Fleming, G.

Lecture Room: L

Chairperson: CEGNAR, T.

8:30–9:00; EMS2008-A-00755

Morin, R.

Social, economical and political impact of meteorology (Silver Medal Lecture) (solicited)

9:00–9:30; EMS2008-A-00114

Benestad, R.E.; Nordli, Ø.; Hanssen-Bauer, I.

Communication climate science: Lessons learned (solicited)

9:30–9:45; EMS2008-A-00163

Agersten, S.; Hygen, H. O.

Efficient use of two multilingual web portals to accommodate different user groups

9:45–10:00; EMS2008-A-00704

Cordoneanu, E. ; Danila, I.

Weekly weather – a broadcast on weather, climate and related phenomena

10:00–10:15; EMS2008-A-00268

Macieirinha, R.; Monteiro, A.

The extreme episodes of rainfall in the press - a reflexion of the 11雨iest years in the eperiodo 1900-2006

10:15–10:30; EMS2008-A-00447

Giannopoulos, P.; Emmanouil, G.

Stamps “talking” about climate change

10:30 Coffee Break

Chairperson: FLEMING, G.

11:00–11:15; EMS2008-A-00374

Najman, M.

System of warnings fails to deliver and doesn't use modern technologies

11:15–11:30; EMS2008-A-00766

Trobec, J.

Broadcast coverage of severe weather in tornado alley

11:30–11:45; EMS2008-A-00728

Kootval, H.

The role of communication in capacity building projects of WMO Public Weather Services Programme

11:45–12:00; EMS2008-A-00729

Martin, C.

IABM for better weather information

12:00–12:15 Networking, CBN-E

12:15–12:30 Videoclips

12:30–13:00 Award Presentations and Recommendations (by T. Cegnar)

13:00 END OF ORAL PROGRAMME MS1

MS1 Media and Communication - POSTER PROGRAMME

Convener: Cegnar, T.

Co-Convenor(s): Fleming, G.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: CEGNAR, T.

P0144; EMS2008-A-00722

Gaztelumendi, S.; Hernandez, R.; Otxoa de Alda, K.; Egaña, J.; Gelpi, I.R.

Basque Meteorology Agency annual meteorological bulletins

P0145; EMS2008-A-00731

Grdadolnik, V.; Cegnar, T.

Media relations and organizing of press centre for Bridging the gap conference

P0146; EMS2008-A-00730

Cegnar, T.

Bringing the conference closer to general public and stakeholders

END OF POSTER PROGRAMME MS1

MS2 Climatological and meteorological information in the context of decision making

- ORAL PROGRAMME

Convener: Meinke, I.

Co-Convenor(s): Spekat, A.

Lecture Room: M

Chairpersons: MEINKE, I.; SPEKAT, A.

8:30–8:45; EMS2008-A-00711

Spekat, A.; Meinke, I.

No pedestrians beyond this point? The interface of climate modelling and decision making

8:45–9:00; EMS2008-A-00659

Klein Tank, A.

Is the risk of changing climate extremes part of decision making frameworks?

9:00–9:15; EMS2008-A-00238

Meinke, I.; von Storch, H.

Regional climate offices as link between climate research and decision makers

9:15–9:30; EMS2008-A-00234

Robrecht, H.R.; van Staden, M.V.S.; Klas, C.K.

Developing a cyclical management approach to climate change adaptation and community resilience for Local governments

9:30–9:45; EMS2008-A-00059

Mengelkamp, H.-T.; Huneke, S.; Geyer, J.

Wind climate and wind farm portfolio calculations

9:45–10:00; EMS2008-A-00630

Ravenel, H.; Baraer, F.; Torrente, A.

Climatological and meteorological expertise to help decision making for beach management in the context of the new bathing waters directive

10:00–10:15; EMS2008-A-00519

Baldi, M.; Esposito, S.; Di Giuseppe, E.; **Pasqui, M.**; Maracchi, G.; Vento, D.

Seasonal forecasting climatic anomalies for agriculture in Italy: the TEMPLO Project

10:15–10:20; EMS2008-A-00168

Treffiesen, R.; Lemke, P.; Dethloff, K.

The new regional climate office for polar regions and sea level rise

10:20–10:25; EMS2008-A-00132

Agersten, S.; Hygen, H.O.

Increased availability of Norwegian climate data for decision makers by use of Web Service

10:25–10:30; EMS2008-A-00373

Madureira, H.; Santos, C.; Monteiro, A.

The Porto CO₂ sink capacity during the last century - a comparative analysis of green areas in 1900 and 2000

10:35 END OF ORAL PROGRAMME MS2

MS2 Climatological and meteorological information in the context of decision making

- POSTER PROGRAMME

Convener: Meinke, I.

Co-Convenor(s): Spekat, A.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: SPEKAT, A.; MEINKE, I.

P0147; EMS2008-A-00168

Treffiesen, R.; Lemke, P.; Dethloff, K.

The new regional climate office for polar regions and sea level rise

P0148; EMS2008-A-00132

Agersten, S.; Hygen, H.O.

Increased availability of Norwegian climate data for decision makers by use of Web Service

P0150; EMS2008-A-00373

Madureira, H.; Santos, C.; Monteiro, A.

The Porto CO₂ sink capacity during the last century - a comparative analysis of green areas in 1900 and 2000

END OF POSTER PROGRAMME MS2

Thursday, 2 October 2008

	Forum	Lecture Room L	Lecture Room M	Lecture Room N
	AC0: Generic Adaptation Approaches	MS4: Education in Atmospheric and related sciences	AW2: Low frequency variability & long term memory	UC5: Synoptic Climatology – 1
	Keynote Presentations	A-00741: Halenka, T	A-00644: Vyushin, DI	A-00190: Wernli, H
	Jacqueline McGlade (EEA)	A-00740: Pelkwijs, H	A-00282: Lemnartz, S	A-00287: Donat, M
	Peter Höppe (Munich RE)	A-00661: Pisoff, P	A-00657: Zhu, X	A-00325: Sugimoto, N
	Bettina Menne (WHO)	A-00601: Brey, J	A-00445: Riemann-Campe	A-00351: Schneidereit, A
	Alex Nickson (GLA)	A-00634: Massetti, L	A-00214: Faulwetter, R	A-00426: Hanley, J - YSTA
	Rob Roggema (Province of Groningen)	A-00329: Charlevoix, D	A-00323: Baldi, M	A-00150: Fragoso, M
	Programme see page 16	A-00517: Sundius, C	A-00397: Pisoff, P	A-00267: Leckebusch, GC
		A-00210: Snyder, B	Poster Presentations	UC5: Synoptic Climatology – 2
	AC2: Climate Proofing of water systems	AC5: Climate change & society – 1	AC1: Urban & building environments; tourism, health	
	A-00739: Van de Ven, F	A-00437: Böhm, R	A-00306: Geurts, C	A-00471: Philipp, A
	A-00433: Mutiga, JF		A-00419: Fortuniak, K	
	A-00745: de Wit, M	A-00681: Hallegatte, S	A-00647: Schneider, HC	A-00465: Beck, C
	A-00292: de Bruin, K	A-00030: Biesbroek, GR	A-00055: Jonkeren, OF	
	A-00359: Ter Maat, HW	A-00509: Klein, RJT	A-00727: McEvoy, D	A-00278: Huth, R
	A-00337: Timmermann, JG	A-00144: Cotnoir, A	A-00159: Camacho, J	A-00493: Epicum, M
	A-00746: Kwadijk, J	A-00096: Cradock-Henry, N	A-00569: Yilmaz, SY	A-00625: Boroneant, C
	A-00747: van den Berg, GA	A-00748: Mukhopadhyay, D	A-00616: Dotzek, N	A-00409: Spekat, A
	AC4: Environment	AC5: Climate change & society – 2	AC3: Risk Management for (re)insurance & Financing	AW4: Large scale air-sea interaction & Euro-Med. climate – 1
	A-00507: Jol, A	A-00117: Karhu, JA	A-00761: Surminski, S	A-00081: May, W
	A-00656: Klein Tank, A		A-00660: Patmore, N	
	A-00388: Massey, E	A-00350: Bessemhinder, J	A-00598: Robertson, AW	A-00179: Haarsma, R
	A-00720: Settele, J	A-00649: Gupta, J	A-00762: Goharaghi, M	A-00073: Mathew, R
	A-00732: Harley, M	A-00413: Spekat, A	Invited: Swiss Re on Risk Transfer	A-00162: Bellucci, A
	A-00286: Vonk, M	A-00062: Auer, I	Höpke, P: Concluding Remarks	A-00678: Sevault, F
	A-00065: Eccel, E	A-00045: Wang, Ye	Questions & Answers	A-00259: Kallos, G
	A-00024: Utset, A	A-00296: Pryce, G	MS3: Gender Equality	AW4: Large scale air-sea interaction & Euro-Med. climate – 2
	AC0: Generic Adaptation Approaches - Plenary	UC2/NWP4: Climate prediction & scenarios; months-decades-century4		A-00089: Ruti, P - Proteus Group
	AC4: A-00690: Swart, D	A-00133: Jacob, D	A-00224: Agersten, S	
		A-00137: Royer, JF	A-00239: Lauras, J	A-00344: Calmant, S
	17:00 AC Plenary	A-00525: Salas-Melia, D	A-00347: Jarosova, M	A-00412: Gaetani, M
	Conclusions & Perspectives Panel Discussion	A-00417: Rowlands, DJ	A-00052: Rahimi, N	A-00170: Kirchak, S
		A-00285: Donat, M	A-00371: Eleftheratos, K	A-00401: Sanna, A
		A-00328: Matsueda, M	A-00379: Schnepbach, E	A-00263: Kvaratskhelia, DU
	Programme see page 16	Poster Presentations	A-00620: Charlevoix, D	A-00662: Voskresenskaya, E
			Discussion & Poster session	

European Conference on Applied Climatology

UC2/NWP4 Climate prediction and scenarios from months to decades to century

- ORAL PROGRAMME

Convener: Appenzeller, C.

Co-Convener(s): Goodess, C., Troccoli, A., van der Linden, P.

Lecture Room: L

Chairperson: APPENZELLER, C

16:30–16:45; EMS2008-A-00133

Jacob, D.; Lorenz, P.; Podzun, R.

How much climate change is unavoidable in Europe?

16:45–17:00; EMS2008-A-00137

Royer, J.F.; Huebener, H.; van Vuuren, D.; Stehfest, E.; Boucher, O.; de Noblet-Ducoudré, N.; Rognerud, B.
Experimental design of the new scenarios for "Stream 2" multidecadal simulations in the ENSEMBLES project

17:00–17:15; EMS2008-A-00525

Salas-Melia, D. ; Volodire, A.; Royer, J.-F.; Tyteca, S.
FP6-ENSEMBLES Stream 2 simulations by CNRM-CM3.3 AOGCM

17:15–17:30; EMS2008-A-00417

Rowlands, D.J.; Meinshausen, N.; Allen, M.R.; Aina, T.
Random forests predictions trained on a large ensemble of HADSM3 predictions

17:30–17:45; EMS2008-A-00285

Donat, M.; Leckebusch, G. C.; Pinto, J. G.; Ulbrich, U.
Analysis of extra-tropical cyclones and wind storms in multi-model simulations with global and regional climate models

17:45–18:00; EMS2008-A-00328

Matsueda, M.; Mizuta, R.; Kusunoki, S.
Future change in atmospheric blocking simulated by 20-km mesh atmospheric global circulation model

18:00–18:01; EMS2008-A-00091

Dubrovsky, M.

WG-friendly climate change scenarios based on IPCC-AR4 set of GCM simulations

18:01–18:02; EMS2008-A-00093

Dubrovsky, M.; Svoboda, M.D.; Trnka, M.; Metelka, L.
Performance of interpolated weather generator in terms of extreme temperature and precipitation characteristics (Nebraska vs. Czechia)

18:02–18:03; EMS2008-A-00560

Mares, I.; Mares, C.; Stanciu, A.
Simulation of discharges in the Danube lower basin in the 21st century using a nonhomogeneous hidden Markov model

18:03–18:04; EMS2008-A-00571

Gera, M.; Bastak, I.; Gerova, E.; Kremler, M.; Szemesova, J.
Climatologic Data Downscaling with Dynamical Adaptation for Purpose of Pollutant Spreading Analysis

18:04–18:05; EMS2008-A-00047

Wang, Y.; Yan, X.
The effects of the land-sea geometry on climate change

18:06–18:07; EMS2008-A-00470

Busuioc, A.; Boronean, C.; Baciu, M.
Changes in seasonal precipitation indices in Romania using statistical downscaling models applied to climate change scenarios derived from the ENSEMBLES GCM simulations

18:07–18:08; EMS2008-A-00326

Sugimoto, N. ; Tachibana, K.; Shiogama, H.; Nozawa, T.
Climate variability visualized by high speed spherical self-organizing map

18:08–18:09; EMS2008-A-00403

Spekat, A.; Kreienkamp, F.; Enke, W.
A hybrid statistical-dynamical method for regional climate scenarios – sensitivity to the employment of different large-scale models

18:09–18:10; EMS2008-A-00219

Karaca, M.; Kindap, T.; Bozkurt, D.; Sen, O. L.; Turuncoglu, U. U.; Dalfes, H. N.
Regional climate change projections for eastern mediterranean and the middle east

18:10–18:11; EMS2008-A-00038

Kitaev, L.
Climate and snow accumulation over Northern Europe – modern and future changes

18:11–18:12; EMS2008-A-00067

Vicente-Serrano, S.M.; López-Moreno, J.I.
Differences in the nonstationary influence of the NAO on European precipitation under different climate change scenarios

18:12–18:13; EMS2008-A-00079

Cane, D.; Milelli, M.; Pelosini, R.; Ronchi, C.; De Luigi, C.; Loglisci, N.
Multimodel SuperEnsemble downscaling of regional climatic model scenarios in the alpine area

18:13–18:14; EMS2008-A-00201

Martinez, A.
Regional Model climatic simulation of Western Europe and the Iberian Peninsula for the Ensembles Project emissions scenario

18:14–18:15; EMS2008-A-00229

Beranova, R.; Kysely, J.; Picek, J.
Scenarios of Changes in Extreme Daily Temperatures and Heavy Precipitation over Europe: Application of Extreme Value Models with Time-dependent Parameters in GCM Outputs

18:15–18:16; EMS2008-A-00263

Miksovsky, J.; Halenka, T.; Belda, M.; Farda, A.; Skalak, P.
Dynamical versus statistical downscaling in the region of Central Europe

18:16–18:17; EMS2008-A-00339

Huebener, H.; Olivié, D.; Spangenh, T.; Schimanke, S.; Niehörster, F.; Salas-Mélia, D.; Cubasch, U.
Vertical structures in two AO-GCMs including high resolved stratosphere

18:17–18:18; EMS2008-A-00438

Flocas, H.A.; Hatzaki, M.; Anagnostopoulou, C.; Tolika, K.; Tegoulias, J.; Maher, P.
Relationship of large scale circulation with climatic extremes over Greece: intercomparison of three regional models

18:18–18:19; EMS2008-A-00449

Kalvova, J.; Miksovsky, J.; Raidl, A.; Motl, M.; Farda, A.
ALADIN 25 and PRUDENCE RCMs: A comparison for the Czech Republic

18:19–18:20; EMS2008-A-00451

Liszewska, M.; Jaczewski, A.
Climate simulations for Poland with RegCM

18:20–18:21; EMS2008-A-00484

Holtanova, E.; Kalvova, J.
Uncertainties in future temperature and precipitation changes over the Czech Republic

18:21–18:22; EMS2008-A-00485

Baciu, M.; Cheval, S.; Breza, T.; Dumitrescu, A.
Drought trends in Romania under the climate change projections of the 21st century

18:22–18:23; EMS2008-A-00585

Bartholy, J.; Pongrácz, R.; Pieczka, I.; Hunyady, A.
Analysis of expected regional climate change for the Carpathian basin using A2 and B2 scenario runs of model PRÉCIS

18:23–18:24; EMS2008-A-00614

Hadjinicolaou, P.; Giannakopoulos, C.; Zerefos, C.; Lelieveld, J.
Temperature and precipitation extremes from regional climate model scenarios over Cyprus

18:24–18:25; EMS2008-A-00619

Stepanek, P.; Skalak, P.; Farda, A.
RCM ALADIN-Climate/CZ simulation of 2020-2050 climate over the Central Europe region

18:25–18:26; EMS2008-A-00645

Szepszo, G.; Bartholy, J.; Csima, G.; Horanyi, A.; Hunyady, A.; Pieczka, I.; Pongracz, R.; Torma, Cs.
Validation of different regional climate models over the Carpathian Basin

18:26–18:27; EMS2008-A-00297

Fallah-Ghalhary, Gh.-A.; Mousavi-Baygi, M.; Habibi Nokhandan, M.
soft computing models for Annual rainfall prediction

18:27–18:28; EMS2008-A-00164

Orsolini, Y.; Kvamstø, N.; Sorteberg, A.
Impact of snow cover on inter-annual variability of the NH winter circulation in an ensemble GCM simulation forced by satellite observations

18:28–18:29; EMS2008-A-00233

Cazaciac, L.
Verification of the performance of global circulation models in monthly temperature and precipitation simulation

18:29–18:30; EMS2008-A-00273

Nogaj, M.; Dubus, L.
Impact of the calibration of downscaled ensemble DEMETER temperature data over France

18:30–18:31; EMS2008-A-00458

Konca-Kedzierska, K.; Pianko-Kluczynska, K.
Application of Fuzzy Logic to Monthly Temperature and Precipitation Forecasts

**18:31 END OF ORAL PROGRAMME UC2/NWP4
(to be continued on Friday)**

UC2/NWP4 Climate prediction and scenarios from months to decades to century - POSTER PROGRAMME

Convener: Appenzeller, C.
Co-Convener(s): Goodess, C., Troccoli, A., van der Linden, P.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: APPENZELLER, C

P0001; EMS2008-A-00091

Dubrovsky, M.

WG-friendly climate change scenarios based on IPCC-AR4 set of GCM simulations

P0002; EMS2008-A-00093

Dubrovsky, M.; Svoboda, M.D.; Trnka, M.; Metelka, L.

Performance of interpolated weather generator in terms of extreme temperature and precipitation characteristics (Nebraska vs. Czechia)

P0003; EMS2008-A-00560

Mares, I.; Mares, C.; Stanciu, A.

Simulation of discharges in the Danube lower basin in the 21-the century using a nonhomogeneous hidden Markov model

P0004; EMS2008-A-00571

Gera, M.; Bastak, I.; Gerova, E.; Kremler, M.; Szemesova, J.
Climatologic Data Downscaling with Dynamical Adaptation for Purpose of Pollutant Spreading Analysis

P0005; EMS2008-A-00047

Wang, Y.; Yan, X.

The effects of the land-sea geometry on climate change

P0007; EMS2008-A-00470

Busuioc, A.; Boroneant, C.; Baciu, M.

Changes in seasonal precipitation indices in Romania using statistical downscaling models applied to climate change scenarios derived from the ENSEMBLES GCM simulations

P0008; EMS2008-A-00326

Sugimoto, N.; Tachibana, K.; Shiogama, H.; Nozawa, T.
Climate variability visualized by high speed spherical self-organizing map

P0009; EMS2008-A-00403

Spekat, A.; Kreienkamp, F.; Enke, W.

A hybrid statistical-dynamical method for regional climate scenarios – sensitivity to the employment of different large-scale models

P0010; EMS2008-A-00219

Karaca, M.; Kindap, T.; Bozkurt, D.; Sen, O. L.; Turuncoglu, U. U.; Dalfes, H. N.

Regional climate change projections for eastern mediterranean and the middle east

P0011; EMS2008-A-00038

Kitaev, L.

Climate and snow accumulation over Northern Europe – modern and future changes

P0012; EMS2008-A-00067

Vicente-Serrano, S.M.; López-Moreno, J.I.

Differences in the nonstationary influence of the NAO on European precipitation under different climate change scenarios

P0013; EMS2008-A-00079

Cane, D.; Milelli, M.; Pelosini, R.; Ronchi, C.; De Luigi, C.; Loglisci, N.

Multimodel SuperEnsemble downscaling of regional climatic model scenarios in the alpine area

- P0014; EMS2008-A-00201**
Martinez, A.
 Regional Model climatic simulation of Western Europe and the Iberian Peninsula for the Ensembles Project emissions scenario
- P0015; EMS2008-A-00229**
Beranova, R.; Kysely, J.; Picek, J.
 Scenarios of Changes in Extreme Daily Temperatures and Heavy Precipitation over Europe: Application of Extreme Value Models with Time-dependent Parameters in GCM Outputs
- P0016; EMS2008-A-00263**
Miksovsky, J.; Halenka, T.; Belda, M.; Farda, A.; Skalak, P.
 Dynamical versus statistical downscaling in the region of Central Europe
- P0017; EMS2008-A-00339**
Huebener, H.; Olivie, D.; Spangehl, T.; Schimanke, S.; Niehorster, F.; Salas-Melia, D.; Cubasch, U.
 Vertical structures in two AO-GCMs including high resolved stratosphere
- P0018; EMS2008-A-00438**
Flocas, H.A.; Hatzaki, M.; Anagnostopoulou, C.; Tolika, K.; Tegoulias, J.; Maher, P.
 Relationship of large scale circulation with climatic extremes over Greece: intercomparison of three regional models
- P0019; EMS2008-A-00449**
Kalvova, J.; Miksovsky, J.; Raidl, A.; Motl, M.; Farda, A.
 ALADIN 25 and PRUDENCE RCMs: A comparison for the Czech Republic
- P0020; EMS2008-A-00451**
Liszewska, M.; Jaczewski, A.
 Climate simulations for Poland with RegCM
- P0021; EMS2008-A-00484**
Holtanova, E.; Kalvova, J.
 Uncertainties in future temperature and precipitation changes over the Czech Republic
- P0022; EMS2008-A-00485**
Baciu, M.; Cheval, S.; Breza, T.; Dumitrescu, A.
 Drought trends in Romania under the climate change projections of the 21st century
- P0023; EMS2008-A-00585**
Bartholy, J.; Pongrác, R.; Pieczka, I.; Hunyady, A.
 Analysis of expected regional climate change for the Carpathian basin using A2 and B2 scenario runs of model PRECIS
- P0024; EMS2008-A-00614**
Hadjinicolaou, P.; Giannakopoulos, C.; Zerefos, C.; Lelieveld, J.
 Temperature and precipitation extremes from regional climate model scenarios over Cyprus
- P0025; EMS2008-A-00619**
Stepanek, P.; Skalak, P.; Farda, A.
 RCM ALADIN-Climate/CZ simulation of 2020-2050 climate over the Central Europe region
- P0026; EMS2008-A-00645**
Szepszo, G.; Bartholy, J.; Csima, G.; Horanyi, A.; Hunyady, A.; Pieczka, I.; Pongracz, R.; Torma, Cs.
 Validation of different regional climate models over the Carpathian Basin
- P0027; EMS2008-A-00297**
Fallah-Ghalhary, Gh.-A.; Mousavi-Baygi, M.; Habibi Nokhandan, M.
 soft computing models for Annual rainfall prediction
- P0028; EMS2008-A-00164**
Orsolini, Y.; Kvamstø, N.; Sorteberg, A.
 Impact of snow cover on inter-annual variability of the NH winter circulation in an ensemble GCM simulation forced by satellite observations
- P0029; EMS2008-A-00233**
Cazaciac, L.
 Verification of the performance of global circulation models in monthly temperature and precipitation simulation
- P0030; EMS2008-A-00273**
Nogaj, M.; Dubus, L.
 Impact of the calibration of downscaled ensemble DEMETER temperature data over France
- P0031; EMS2008-A-00458**
Konca-Kedzierska, K.; Pianko-Kluczynska, K.P.
 Application of Fuzzy Logic to Monthly Temperature and Precipitation Forecasts
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- END OF POSTER PROGRAMME UC2/NWP4
-
- UC5 Synoptic Climatology - ORAL PROGRAMME**
- Convener: Benestad, R.
 Co-Convener(s): Lionello, P., Huth, R.
 Lecture Room: N
 Chairperson: N.N.
- 8:30–8:45; EMS2008-A-00190**
Wernli, H.
 A climatological analysis of diabatic processes associated with extratropical cyclones
- 8:45–9:00; EMS2008-A-00287**
Donat, M.; Leckebusch, G. C.; Pinto, J. G.; Ulbrich, U.
 Storminess and related large-scale atmospheric circulation patterns in reanalysis data and an ensemble of global climate models
- 9:00–9:15; EMS2008-A-00325**
Sugimoto, N.; Pham, M. T.; Tachibana, K.; Mizuta, R.; Yoshikawa, T.; Furuhashi, T.
 High speed non-empirical cyclone detection method
- 9:15–9:30; EMS2008-A-00351**
Schneidereit, A.; Blender, R.; Fraedrich, K.
 Northern Hemisphere Extra-tropical Cyclones in present-day and a Warmer Climate
- 9:30–10:00; EMS2008-A-00426**
Hanley, J.; Caballero, R.
 Extreme midlatitude cyclones and their relationship to large-scale modes of variability in the Northern Hemisphere (solicited)
- 10:00–10:15; EMS2008-A-00150**
Fragoso, M.; Lopes, A.
 Windstorm events in Lisbon (1990-2006): atmospheric circulation patterns and sounding derived stability indices
- 10:15–10:30; EMS2008-A-00267**
Leckebusch, G.C.; Weimer, A.; Pinto, J.G.; Reyers, M.; Speth, P.
 A cluster analysis of wind storms over Europe
-
- 10:30 Coffee Break**

Chairperson: N.N.

11:00–11:30; EMS2008-A-00471

Philipp, A.

The COST733 database of weather and circulation type classifications: conformance and differences between methods and their results (solicited)

11:30–12:00; EMS2008-A-00465

Beck, C.

Evaluation and comparison of circulation classifications – towards a quantification of the performance of classification methods (solicited)

12:00–12:15; EMS2008-A-00278

Huth, R.

Synoptic-climatological applicability of classifications of circulation types collected within the COST733 Action

12:15–12:30; EMS2008-A-00493

Erpicum, M.; Fettweis, X.; Mabille, G.

Analysis of climatic conditions of wildfires in Belgium with an automatic daily weather pattern classification

12:30–12:45; EMS2008-A-00625

Boroneant, C. ; Colfescu, I.; Esteban, P.; Martin-Vide, J.
Classification of atmospheric circulation patterns producing significant daily rainfalls in Romania

12:45–13:00; EMS2008-A-00409

Spekat, A.; Kreienkamp, F.; Enke, W.

Classification with purpose and attitude – do not forget the users of climatological information!

13:00 END OF ORAL PROGRAMME UC5
(to be continued on Friday)

UC5 Synoptic Climatology - POSTER PROGRAMME

Convener: Benestad, R.

Co-Convenor(s): Lionello, P., Huth, R.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0055; EMS2008-A-00424

Lionello, P.; Ferrara, E.; Ulbrich, U.

Characterization of cyclones in the North Atlantic and Mediterranean regions

P0056; EMS2008-A-00611

Laurent, V.

Tropical Cyclone Genesis in French Polynesia: Analyzis SST

P0057; EMS2008-A-00105

Vyazilova, N.A.; Vyazilova, A.E.

Cyclone activity variability in North Atlantic and European region

P0058; EMS2008-A-00651

Wojciechowska, J.; Ustrnul, Z.

Atmospheric circulation and surface air temperature on the Northern Hemisphere

P0059; EMS2008-A-00441

Oikonomou, C.; Flocas, H. A.; Hatzaki, M.; Katavoutas, G.
Investigation of topography impact on precipitation extremes over Greece

P0060; EMS2008-A-00580

Pishvaei, M. R.; Ansari Basir, A.; Khalili, S.; Tabatabaiyan, A.

Regional Circulation Model for Assessment of Pressure System Effects in Southern Iran

P0061; EMS2008-A-00584

Kysely, J.; **Gaal, L.**; Beranova, R.; Stepanek, P.
Application of the 'block maxima' and 'peaks-over-threshold' methods for estimating high quantiles of daily precipitation in regional climate model outputs

P0062; EMS2008-A-00280

Themebl, M.; Gobiet, A.

Evaluation of empirical-statistical error correction of daily precipitation from a regional climate model in the Alpine Region

P0063; EMS2008-A-00068

Vicente-Serrano, S.M.; Beguería, S.; López-Moreno, J.I.; El Kenawy, A.M.; Angulo, M.

Daily atmospheric circulation events and extreme precipitation risk: the role of the North Atlantic Oscillation, the Western Mediterranean Oscillation and the Mediterranean Oscillation in Northeast Spain

P0064; EMS2008-A-00654

Adamczyk, R.; Ustrnul, Z.

Atmospheric circulation and total cloudiness in the European polar region

P0065; EMS2008-A-00217

Barkan, J.; Kutieli, H.

A suggested Index for determining the existence of transportation of Saharian dust into Europe

P0066; EMS2008-A-00343

Casado, M.J.; Pastor, M.A.; Doblas-Reyes, F.J.

Impact of climate change on the frequency of circulation types over the Euro-Atlantic area

P0067; EMS2008-A-00627

Laurent, V.

TSUP position during ENSO phases

P0068; EMS2008-A-00183

Salsón, S.; Cruz, R.; Lago, A.; Lage, A.

A weather classification is used as a tool for understanding climate change. Application in Galicia (Northwest of Spain)

P0069; EMS2008-A-00608

Ponrácz, R.; Bartholy, J.

NAO- and MCP-related climate signals in the Carpathian basin

P0070; EMS2008-A-00410

Tammets, T.; Paljak, T.

Statistical and synoptical overview and analysis of extreme hot and cold periods in Estonia since 1961

P0071; EMS2008-A-00349

Pastor, M.A. ; Casado, M.J.; Doblas-Reyes, F.J.

Relationship between circulation types classifications and North Atlantic Oscillation phases

P0072; EMS2008-A-00555

Sauter, T.; Petzoldt, K.; Pätz, H.W.; Thomas, K.; Vrac, M.; Volz-Thomas, A.; Wahner, A.; Schneider, C.

Application of Self-organizing maps to define weather types for the analysis of trace gas distribution over the eastern United States

P0073; EMS2008-A-00549

Käsmacher, O.; Sauter, T.; Schneider, C.

Comparison of the results of linear and nonlinear objective weather type classification methods applied to the region of the northern North Atlantic

P0074; EMS2008-A-00461 Bogucka, M. High ozone concentrations in selected regions of Poland and their relationship to weather patterns	12:30–12:45; EMS2008-A-00569 Yilmaz, S.; Toy, S.; Yildiz, N.; Irmak, M.A. The role of climatic elements in public tendency towards alternative tourism and the sample of Turkey?
P0075; EMS2008-A-00316 Belda, F.; Penadés, M.C. Synoptical Climatology in Drought periods from 1950 to 2008 using Re-analysis ERA-40 data	12:45–13:00; EMS2008-A-00616 Dotzek, N. Adaptation of airport operations and reinsurance business to severe thunderstorm hazard in a changing climate - the RegioExAKT project
END OF POSTER PROGRAMME UC5	
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AC0 Generic adaptation approaches - ORAL PROGRAMME	AC1 Urban and building environments, tourism, recreation and health - POSTER PROGRAMME
Convener: Aerts, J. Co-Convenor(s): de Pater, F. Lecture Room: Forum Chairperson: de Pater, F.; Aerts, J.	Convener: Bessemoulin, P. Co-Convenor(s): Cegnar, T., van Engelen, A., Wilbanks, T., Tol, R. Display Time: Wednesday, 08:00–Friday, 13:00 Authors in Attendance: Thursday, 18:30–20:00 Poster Area: Forum Lounge (Ground Floor) Chairperson: N.N.
8:30–10:30 Keynote Presentations (programme see page 16)	P0076; EMS2008-A-00206 Salcedo Rahola, T.B.; Mulder, K.F. Overview of the heat stress in the urban environment in the Netherlands
10:30 Coffee Break	P0077; EMS2008-A-00581 Bartholy, J.; Pongracz, R.; Kis, Z.S.; Toro, K.; Dunai, G.Y.; Keller, E. Climate-related analysis of sudden cardiovascular death cases occurred in Budapest since 1960
Chairperson: de Pater, F.; Aerts, J.	P0078; EMS2008-A-00665 Marques, J.; Andrade, H. Winter climate and daily mortality in Lisbon
17:00–18:30 Adaption: conclusions and perspectives – Panel Discussion (programme see page 16)	P0079; EMS2008-A-00599 Ferreira, M. Evaluation of association between dengue fever annual incidence and El Niño Southern Oscillation (ENSO) in countries of the American continent
18:30 END OF ORAL PROGRAMME AC0	P0080; EMS2008-A-00124 Plavcová, E.; Kysely, J. Effects of sudden air temperature and pressure changes on mortality in the Czech Republic
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AC1 Urban and building environments, tourism, recreation and health - ORAL PROGRAMME	P0081; EMS2008-A-00443 Theoharatos, G.; Spanou, A.; Pantavou, K.; Asimakopoulos, D. An analysis of the relation between Heat Load index and atmospheric pollutants during heat waves and their effects on human health
11:00–11:15; EMS2008-A-00306 Geurts, C.; Steenbergen, R.; Aries, M.; Nijland, T.; van Bentum, C.; Havermans, J. Climate change and the Dutch building sector	P0082; EMS2008-A-00448 Katavoutas, G.; Theoharatos, G.; Flocas, H. A.; Asimakopoulos, D. N. On the human body's thermophysiological parameters adaption determined via theoretical and experimental considerations, during a heat wave event in Athens
11:15–11:30; EMS2008-A-00419 Fortuniak, K. Short time wind gusts and wind pulsations for urban location in Lodz, central Poland	P0083; EMS2008-A-00248 Makosza, A. Variability of sensibility conditions in the Polish costal zone of the Baltic Sea
11:30–11:45; EMS2008-A-00647 Schneider, H.C.; Bijl, K.; van Cranenburgh, S.; Ernst, L.; van der Heide, M.; Rovers, V.; Star, J.K. The Dutch adaptation scan for local authorities	P0084; EMS2008-A-00572 Yilmaz, S.; Irmak, M.A.; Yildiz, N.; Toy, S. Assessment of the use potential of wetlands for recreational purposes
11:45–12:00; EMS2008-A-00055 Jonkeren, O.E.; Jourquin, B.; Rietveld, P. Modal-split effects of climate change: the effect of low water levels on the competitive position of inland waterway transport in the river Rhine area	
12:00–12:15; EMS2008-A-00727 McEvoy, D. Understanding adaptation as a process: reflections from urban, health and tourism case studies	
12:15–12:30; EMS2008-A-00159 Camacho, J.; Cano, D.; Cervigón, P.; Gutierrez, M.; Subiza, J.; Cadenas, I. Applying climate and forecast tools to pollen events with consequences in public health in Spain	

P0085; EMS2008-A-00576
Yilmaz, S.; Yildiz, N.; Toy, S.
Determination of the effects of wetlands on urban climate

P0086; EMS2008-A-00416
Spekat, A.; Kreienkamp, F.; Enke, W.
Estimating impacts of climate change with a hybrid statistical-dynamical regional climate model

P0087; EMS2008-A-00476
Bonacquisti, V.; Siani, A.M.
Estimation of surface roughness lenght in Rome by means of sonic anemometer measurements

END OF POSTER PROGRAMME AC1

AC2 Climate proofing of water systems - ORAL PROGRAMME

Convener: van de Ven, F.
Co-Convener(s): Bierkens, M., Ottens, J.
Lecture Room: Forum
Chairperson: N.N.

11:00–11:15; EMS2008-A-00739
Van de Ven, F.
Climate proofing of water systems in urban areas (solicited)

11:15–11:30; EMS2008-A-00433
Mutiga, J.K.; Zu, Z.; Woldai, T.; ITC
Application of Multi - Criteria Evaluation Process (MCE) to select Rainwater Harvesting sites as a mitigation measure in responding to climate Change in Water Scarce Basin of SSA: A case study of Ewaso Ng'iro North Basin, Kenya

11:30–11:45; EMS2008-A-00745
de Wit, M.
Water stress in the Meuse basin

11:45–12:00; EMS2008-A-00292
de Bruin, K.; van Ierland, E.C.; Groeneveld, R.A.; Goosen, H.
Sink or swim? Adapting to climate change at six meters below sea-level

12:00–12:15; EMS2008-A-00359
Ter Maat, H.W.; Franssen, W.H.P.; Hurkmans, R..TW.L.; Terink, W.; Tuinenburg, O.A.; Moors, E.J.
Climate change-driven adaptation measures in a coupled hydrological-atmospheric model

12:15–12:30; EMS2008-A-00337
Timmerman, J.G.; Buntsma, J.J.
Guidance towards climate-proofing of water management

12:30–12:45; EMS2008-A-00746
Kwadijk, J.; van Vuren, S.
Scenario analysis in water management

12:45–13:00; EMS2008-A-00747
van den Berg, G.A.; Frijns, J.; Zwolsman, J.J.G.
Implementation of climate adaptation and mitigation strategies for drinking water production in The Netherlands

13:00 END OF ORAL PROGRAMME AC2

AC2 Climate proofing of water systems - POSTER PROGRAMME

Convener: van de Ven, F.
Co-Convener(s): Bierkens, M., Ottens, J.
Display Time: Wednesday, 08:00–Friday, 13:00
Authors in Attendance: Thursday, 18:30–20:00
Poster Area: Forum Lounge (Ground Floor)
Chairperson: N.N.

P0088; EMS2008-A-00557
Nair, K.S.

Sustainable management of the water resources of India in a changing climate

P0089; EMS2008-A-00240
Berdon, N.B.P.
Floods in Kragujevac on 10 August 2007

P0090; EMS2008-A-00529
Manning, L.J.; Hall, J.W.; Fowler, H.J.; Kilsby, C.G.; Walsh, C.L.; Bekele, T.
Using probabilistic climate change information for water resources assessment

P0091; EMS2008-A-00513
Scholten, A. ; Rothstein, B.; Baumhauer, R.; Nilson, E.; Holtman, B.
Mass-cargo-dependent industries and Climate Change – Is climate change a planning issue for mass-cargo dependent industries along the River Rhine?

P0091a; EMS2008-A-00440
Jeuken, A.; van Waveren, H.; Kwadijk, J.
Tipping points in the Dutch water management with respect to climate change

END OF POSTER PROGRAMME AC2

AC3 Risk Management for (re)insurance and financing - ORAL PROGRAMME

Convener: Surminsky, S.
Co-Convener(s): Golnaraghi, M.
Lecture Room: M
Chairperson: SURMINSKY, S.; GOLNARAGHI, M.

14:00–14:15; EMS2008-A-00761
Surminski, S.
Climate Change Adaptation - an area of collaboration between insurance industry and the science community (solicited)

14:15–14:30; EMS2008-A-00660
Patmore, N.; Herweijer, C.; Ward, B.; Muir-Wood, R.
Maintaining Insurability in the Face of Rising Climate Risks

14:30–14:45; EMS2008-A-00598
Robertson, A. W.; Baethgen, W. E.; Block, P.; Dinku, T.; McLaurin, M.; Osgood, D.; Shirley, K.; Ward, M.N.
Modeling weather-within-climate for index insurance contract design

14:45–15:00; EMS2008-A-00762
Golnaraghi, M.
WMO Initiative in Supporting CAT Insurance and Weather Risk Management Markets

15:00–15:15
Invited: Swiss Re on Financial Risk Transfers

15:15–15:30
Höppe, P.
Concluding remarks and future outlook

15:30–16:00
Questions & Answers

16:00 END OF ORAL PROGRAMME AC3

**AC3 Risk Management for (re)insurance and financing
- POSTER PROGRAMME**

Convener: Surminsky, S.

Co-Convener(s): Golnaraghi, M.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: SURMINSKY, S.; GOLNARAGHI, M.

P0092; EMS2008-A-00579

Osgood, D.; McLaurin, M.

Using index-insurance to manage climate risk: issues in scale up and capacity building

P0093; EMS2008-A-00377

Owen, W.

Scoring asset resilience - developing a methodology for enhanced risk management

P0094; EMS2008-A-00008

Quiroga, S.; Iglesias, A.

Climate risk of Mediterranean crops production in Spain

P0095; EMS2008-A-00594

Mavrakis, A.; Theoharatos, G.; Jakovides, K.; Lykoudis, S. On the relationship between climatic indices, solar activity and air quality in an industrialized area of Eastern Mediterranean (Thriassion Plain-Greece)

END OF POSTER PROGRAMME AC3

**AC4 Environment
- ORAL PROGRAMME**

Convener: McGlade, J.

Co-Convener(s): Jol, A., Lavalle, C.

Lecture Room: Forum

Chairperson: JOL, A.

14:00–14:15; EMS2008-A-00507

Jol, A.; Lavalle, C.; Menne, B.; van Minnen, J.; Raes, F.; Stastny, P.; Erhard, M.; Voigt, T.

The 2008 EEA-JRC-WHO report 'Impacts of Europe's changing climate'

14:15–14:30; EMS2008-A-00656

Klein Tank, A.

Climate change information for environmental policy in Europe

14:30–14:45; EMS2008-A-00388

Massey, E.; Bergsma, E.; van Minnen, J.

A framework to compare climate change adaptation in 29 European countries

14:45–15:00; EMS2008-A-00720

SETTELE, J.; ALARM TEAM

Climate impact on biodiversity: approaches and results of the ALARM project

15:00–15:15; EMS2008-A-00732

Harley, M.; van Ham, C.; Price, J.; Tucker, G.; Keeder, G.

Biodiversity and climate change in relation to the Natura 2000 network

15:15–15:30; EMS2008-A-00286

Vonk, M.; van der Hoek, D.C.J.; Vos, C.C.

Adaptation strategies to make Dutch nature climate change proof

15:30–15:45; EMS2008-A-00065

Eccel, E.; Rea, R.; Crisci, A.

Apple trees and spring frost: trends of risk in a warming climate

15:45–16:00; EMS2008-A-00024

Utset, A.; del Rio, B.; Santos, J.M.

A bottom-up approach to introduce Climate-Change adaptation options in Castilla y Leon agriculture

16:00 Coffee Break

Chairperson: JOL, A.

16:30–16:45; EMS2008-A-00690

Swart, D.; Prins, P.; Verhagen, J.; Hermans, T.

Influence of climate change on the agricultural landscape

16:45–17:00; EMS2008-A-00646

Vinocur, M.; Seiler, R.

Potential effects and possible adaptation strategies to future climate change and changing climate variability on peanut yields

17:00 END OF ORAL PROGRAMME AC4

**AC4 Environment
- POSTER PROGRAMME**

Convener: McGlade, J.

Co-Convener(s): Jol, A., Lavalle, C.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: JOL, A.

P0096; EMS2008-A-00434

Popovici, F.

water management decision concerning implementation of water frame directive (wfd) 2000/60/ec in romania

P0097; EMS2008-A-00756

Namodji, L.

Adaptation of agricultlure in Chad to climate change

END OF POSTER PROGRAMME AC4

**AC5 Climate change and society (co-listed in MS)
- ORAL PROGRAMME**

Convener: Auer, I.

Co-Convener(s): Rebernik, P., Connerade, J.

Lecture Room: L

Chairperson: AUER, I.

11:00–11:30; EMS2008-A-00437

Boehm, R.

Science and public discussion on climate change – remarks of a climatologist (solicited)

11:30–11:45; EMS2008-A-00681

Hallegatte, S.

Adaptation to Climate Change: Do Not Count on Climate Scientists to Do All The Work

11:45–12:00; EMS2008-A-00020

Biesbroek, G.R.; Swart, R.J.

A comparative analysis of national adaptation strategies in Europe

12:00–12:15; EMS2008-A-00509
Klein, R.J.T.; The Mistra-SWECA consortium
 Adaptation as a process of social learning: a new Swedish initiative

12:15–12:30; EMS2008-A-00144
Cotnoir, A.; N'DJAFÀ OUAGA, H.; Lepage, L.; Gachon, P.; Bokoye, A.; Seidou, O.; Berteau, G.
 Climate Change Adaptation Capacity Support in the Sahel

12:30–12:45; EMS2008-A-00096
Cradock-Henry, N.
 Adaptation to climatic variability and change within the context of multiple risks: evidence from the New Zealand dairy industry

12:45–13:00; EMS2008-A-00748
Mukhopadhyay, D.
 Social and economic impact of climate change in developing countries

13:00 Lunch Break

Chairperson: COTNOIR, A.

14:00–14:30; EMS2008-A-00117
Karhu, J. A.; THE CCCRP TEAM
 Climate Change Community Response Portal (solicited)

14:30–14:45; EMS2008-A-00350
Bessembinder, J.
 Experiences with tailoring climate information

14:45–15:00; EMS2008-A-00649
Gupta, J.; Klostermann, J.E.M.; Termeer, C.J.A
 Conceptual framework for assessing climate-proofness of governance structures

15:00–15:30; EMS2008-A-00413
Spekat, A.; Kreienkamp, F.
 Communicating climate change consequences and adaption necessities (solicited)

15:30–15:45; EMS2008-A-00062
Auer, I.; Böhm, R.; Kroisleitner, C.; Hynek, B.; Kirchen-gast, A.; Schöner, W.
 Initiatives to raise public awareness of regional climate change

15:45–15:48; EMS2008-A-00045
Ye, Wang; Xiaodong, Yan
 Anthroposphere - an interactive component in the Earth system

15:48–15:51; EMS2008-A-00296
Pryce, G.; Mackay, D.
 Modelling the Socio-Economic Impacts of Climate Change

15:51 END OF ORAL PROGRAMME AC5

AC5 Climate change and society (co-listed in MS) - POSTER PROGRAMME

Convener: Auer, I.
 Co-Convener(s): Rebernik, P., Connerade , J.
 Display Time: Wednesday, 08:00–Friday, 13:00
Authors in Attendance: Thursday, 18:30–20:00
 Poster Area: Forum Lounge (Ground Floor)
 Chairperson: N.N.

P0098; EMS2008-A-00045
Ye, Wang; Xiaodong, Yan
 Anthroposphere - an interactive component in the Earth system

P0099; EMS2008-A-00296
Pryce, G.; Mackay, D.
 Modelling the Socio-Economic Impacts of Climate Change

END OF POSTER PROGRAMME AC5

Atmosphere and the Water Cycle

AW2 Low frequency variability and long term memory in the climate system (co-listed in UC) - ORAL PROGRAMME

Convener: Blender, R.
 Co-Convener(s): Fraedrich, K.
 Lecture Room: M
 Chairperson: BLENDER, R.

8:30–8:45; EMS2008-A-00644
Vyushin, D.I.; Kushner, P.J.

Power law spectral behaviour of the 20th century air temperature

8:45–9:00; EMS2008-A-00282
Lennartz, S.; Bogachev, M. I.; Eichner, J. F.; Bunde, A.
 Statistics of return intervals and finite size effects in long-term correlated and multifractal data sets

9:00–9:15; EMS2008-A-00657
Zhu, X.

Impact of the Atlantic Multidecadal Oscillation on the North Pacific

9:15–9:30; EMS2008-A-00445
Riemann-Campe, R.-C.; Blender, B.; Fraedrich, F.
 CAPE induced convective Precipitation Variability

9:30–9:45; EMS2008-A-00214
Faulwetter, R.
 Local Correlation Extrema and Teleconnection Patterns

9:45–10:00; EMS2008-A-00323
Dalu, G.A.; Coccimiglio, P.; Maroscia, G.; **Baldi, M.**
 Cyclone density and weatherlike perturbation trajectories in the South Pacific ocean

10:00–10:15; EMS2008-A-00397
Pisoft, P.
 Sunspot cycle global patterns? - a study of spatio-temporal distribution of 11-years cycle

10:15–10:16; EMS2008-A-00149
Rybski, D.; Bunde, A.; von Storch, H.
 Climatological temperature records: persistence at asymptotic time-scales

10:16–10:17; EMS2008-A-00029
Marques, C.; Rocha, A.; Corte-Real, J.
 Wave number energetics from three reanalysis data sets

10:17–10:18; EMS2008-A-00602
Laurent, V.L.; Maamaatauaiahutapu, K.M.
 Variabilities in Rainfall in French Polynesia

10:18–10:19; EMS2008-A-00215
Faulwetter, R.
 The Seasonal Cycle of Northern Hemisphere Teleconnection Patterns

10:19 END OF ORAL PROGRAMME AW2

**AW2 Low frequency variability and long term memory
in the climate system (co-listed in UC)**
- POSTER PROGRAMME

Convener: Blender, R.

Co-Convenor(s): Fraedrich, K.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: BLENDER, R.

P0103; EMS2008-A-00149

Rybski, D.; Bunde, A.; von Storch, H.

Climatological temperature records: persistence at asymptotic time-scales

P0104; EMS2008-A-00029

Marques, C.; Rocha, A.; Corte-Real, J.

Wave number energetics from three reanalysis data sets

P0105; EMS2008-A-00602

Laurent, V.L.; Maamaatauaiahutapu, K.M.

Variabilities in Rainfall in French Polynesia

P0106; EMS2008-A-00215

Faulwetter, R.

The Seasonal Cycle of Northern Hemisphere Teleconnection Patterns

END OF POSTER PROGRAMME AW2

AW4 Large scale air-sea interaction processes and their influence on the Euro-Mediterranean climate (co-listed in UC)

- ORAL PROGRAMME

Convener: Gualdi, S.

Co-Convenor(s): May, W., Somot, S.

Lecture Room: N

Chairperson: CALMANTI, S.

14:00–14:30; EMS2008-A-00081

May, W.

Climatic changes in the European region associated with a global “ 2°C -stabilization” scenario simulated by the ECHAM5/MPI-OM coupled climate model (solicited)

14:30–14:45; EMS2008-A-00179

Haarsma, R.; Selten, F.; vd Hurk, B.; Hazeleger, W.; Wang, X.

Dry Mediterranean Soils due to Greenhouse Warming bring easterly Winds over Central Europe

14:45–15:00; EMS2008-A-00073

Mathew, R.

Teleconnections between the Indian Monsoon and the Mediterranean Sea as simulated by a coupled General Circulation Model

15:00–15:15; EMS2008-A-00162

Bellucci, A.; Gualdi, S.; Navarra, A.

A coupled ocean-atmosphere oscillatory mode in the Atlantic sector: implications for the Mediterranean region

15:15–15:30; EMS2008-A-00678

Sevault, F.; Beuvier, J.; Somot, S.; Déqué, M.; Ludwig, W.; Rogel, P.

Modelling the Mediterranean Sea over the last 40 years using dynamical downscaling of ERA40 and interannual hydrological forcings

15:30–16:00; EMS2008-A-00259

Kallos, G.; Solomos, S.; Kushta, I.; Spyrou, C.; Mavromatidis, E.; Astitha, M.; Mitsakou, C.; Tyrlis, E.; Pytharoulis, I.; Katsafados, P.

Surface Characteristics and Their Impact on Regional Meteorological and Climatological Patterns (solicited)

16:00 Coffee Break

Chairperson: MAY, W.

16:30–16:45; EMS2008-A-00089

Anav, A.; Artale, V.; Calmanti, S.; Carillo, A.; Dell'Aquila, A.; Pisacane, G.; Rupolo, V.; **Ruti, P.M.**; Sannino, G.; Struglia, M.V.; Giorgi, F.; Pal, J.; Bi, X.; Raucher, S.

A regional earth system for the Mediterranean region

16:45–17:00; EMS2008-A-00344

Calmanti, S.; Sevault, F.; Somot, S.

Air-Sea Energy Fluxes in a Coupled Regional Climate Model over the Mediterranean Sea

17:00–17:30; EMS2008-A-00412

Gaetani, M.; Baldi, M.; Dalu, G.A.

Influence of the West African monsoon on the summer Mediterranean climate (solicited)

17:30–17:45; EMS2008-A-00170

Krichak, S.; Breitgand, J.

Variations of precipitation component of the water cycle in the Mediterranean Region

17:45–18:00; EMS2008-A-00401

Sanna, A.; Alessandri, A.; Gualdi, S.

The effects of land-sea contrast in multimodel ensemble simulations on the low-frequency variability in North Atlantic and Mediterranean

18:00–18:15; EMS2008-A-00376

Demetashvili, D. I.; **Kvaratskhelia, D. U.**

Numerical study of response of the Black Sea thermal regime to variability of atmospheric circulation

18:15–18:30; EMS2008-A-00662

Voskresenskaya, E.; Polonsky, A.; Yurovsky, A.

Large-scale processes in the coupled ocean-atmosphere system and climate anomalies in the Black sea/ Mediterranean region

18:30 END OF ORAL PROGRAMME AW4

AW4 Large scale air-sea interaction processes and their influence on the Euro-Mediterranean climate (co-listed in UC)

- POSTER PROGRAMME

Convener: Gualdi, S.

Co-Convenor(s): May, W., Somot, S.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0107; EMS2008-A-00655

Jovanovic, G.R.; Reljin, I.; Reljin, B.

The influence of dominant global climate phenomena ENSO, NAO and AO on climate in Serbia

P0108; EMS2008-A-00078

Kindap, T.; Sen, O.L.; Karaca, M.; Unal, A.

The Black Sea impact on a severe snow episode over the city of Istanbul

P0109; EMS2008-A-00213
Surmava, A. A.; Kvaratskhelia, D. U.
 Numerical simulation of the influence of the ambient relief on the distribution of meteorological fields above the Black Sea

P0110; EMS2008-A-00439
Estrela, M.J.; Millan, M.; Miro, J.; Palau, J.L.
 Flash floods in Europe: The Mediterranean connection

END OF POSTER PROGRAMME AW4

Meteorology and Society

MS3 Gender Equality - ORAL PROGRAMME

Convener: Huebener, H.
 Co-Convenor(s): Stoll, M., Schuepbach, E., Maione, M.
 Lecture Room: M
 Chairperson: N.N.

16:30–16:45; EMS2008-A-00224
Agersten, S.
 Good intentions for gender equality in Norway

16:45–17:00; EMS2008-A-00239
Tala, S.; Lauros, J.; Vehkamäki, H.
 Gender issues in physics education at the University of Helsinki

17:00–17:15; EMS2008-A-00347
Jarosova, M.
 Gender issue at Slovak Hydrometeorological Institute

17:15–17:30; EMS2008-A-00052
Rahimi, N.
 women, energy and environment, challenges and opportunities

- **17:30–17:45; EMS2008-A-00371**
Eleftheratos, K.; Rypdal, K.; de Cuester, G.; Erhardt, G.; Jiang, Y.; Paoli, R.; Schnadt-Poberaj, C.
 Quantify Gender Issues

17:45–18:00; EMS2008-A-00379
Schuepbach, E.; Ladstätter-Weissenmayer, A.; Goodess, C.; Kovats, S.; Textor and GEOMon Gender Committee, Ch.
 Creating Partnerships for Learning about Career Progression in Atmospheric Science: Mentoring

18:00–18:15; EMS2008-A-00620
Charlevoix, D.
 Women's success in atmospheric sciences: the role of programs in building social capital

18:15–18:30 Discussion on further steps towards Gender equality

18:30 END OF ORAL PROGRAMME MS3

MS3 Gender Equality - POSTER PROGRAMME

Convener: Huebener, H.
 Co-Convenor(s): Stoll, M., Schuepbach, E., Maione, M.
 Display Time: Wednesday, 08:00–Friday, 13:00
Authors in Attendance: Thursday, 18:30–20:00
 Poster Area: Lecture Room M
 Chairperson: N.N.

M0001; EMS2008-A-00205
Godunova, V.
 Some aspects of gender equality in science in Ukraine

M0002; EMS2008-A-00610
Vanina-Dart, L.B.
 Female-meteorologists in Russia

M0003; EMS2008-A-00033
Facchini, M.C. ; Lappalainen, H.; Kulmala, M.
 Gender activities in EUCAARI

M0004; EMS2008-A-00241
Maione, M.; Schuepbach, E.; Farina, F.
 The ACCENT Gender Action Plan

END OF POSTER PROGRAMME MS3

MS4 Education in Atmospheric and related Sciences - ORAL PROGRAMME

Convener: Halenka, T.
 Lecture Room: L
 Chairperson: HALENKA, T.

8:30–8:45; EMS2008-A-00741
Halenka, T.
 EMS and Educational Activities (solicited)

8:45–9:00; EMS2008-A-00740
Pelkwijs, H.
 Meteorology Education at Primary Schools

9:00–9:15; EMS2008-A-00661
Miksovsky, J.; Pisot, P.
 METEO in the TALNET project - meteorology and climatology for talented high-school students

9:15–9:30; EMS2008-A-00601
Brey, J.; Geer, I.; Weinbeck, R.; Mills, B.; Blair, B.; Kiley, T.
 Promoting geoscience literacy and workforce development: maximizing impact through partnerships

9:30–9:45; EMS2008-A-00634
Massetti, L.
 Learning and applying research methodology to meteorology and phenology at school

9:45–10:00; EMS2008-A-00329
Charlevoix, D.
 Teaching about severe weather in a blended learning format: promoting a student-centered learning environment

10:00–10:15; EMS2008-A-00517

Sundius, C.; Karppanen, J.

Training and Maintaining Skills of Meteorological Professionals in Europe with Computer Assisted Learning (solicited)

10:15–10:30; EMS2008-A-00210

Snyder, B.; Smith, T.; Doyle, C.; Wesley, D.

Towards a Comprehensive Training Program for Forecasters at Vancouver 2010 Olympic and Paralympic Winter Games

10:30 END OF ORAL PROGRAMME MS4

**MS4 Education in Atmospheric and related Sciences
- POSTER PROGRAMME**

Convener: Halenka, T.

Display Time: Wednesday, 08:00–Friday, 13:00

Authors in Attendance: Thursday, 18:30–20:00

Poster Area: Forum Lounge (Ground Floor)

Chairperson: N.N.

P0151; EMS2008-A-00487

Schuepbach, E.; **Slini, T.**; Gross, K.

Training the Next Generation of Early Career Scientists in ACCENT

END OF POSTER PROGRAMME MS4

SESSION PROGRAMME

FRIDAY

Friday, 3 October 2008					
	Forum	Lecture Room L	Lecture Room M	Lecture Room N	
	UC2/NWP4: Climate prediction & scenarios: months-decades-century – 5	UC5: Synoptic Climatology – 3	AW7: Atmospheric hazards – 1	UC3: Climate monitoring, mapping & data management – 3	
A-00293: Deque, M	A-00672: van der Schrier, G	A-00407: Cuevas, G	A-00473: Martinez-Alvarado, O	A-00332: Gruber, C	
A-00289: Buser, C	A-00195: Navarro, J	A-00112: Rutkevich, PB	A-00697: Aguilar, E		
A-00522: Gobiet, A	A-00314: Winterfeldt, J	A-00632: Grubisic, V	A-00230: Rasol, D		
A-00477: Lorenz, P	A-00488: Lotterer, C	A-00244: Sousa, J	A-00501: Cheval, S		
A-00108: Nikulin, G	A-00551: Joly, B	A-00139: Tzenkova-Bratoeva, A	A-00615: Stepanek, P		
A-00700: Halenka, T	A-00364: Coccimiglio, P	A-00252: Pytharoulis, I	A-00676: Andresen, LA		
A-00457: Torres, L					
A-00530: Sieck, K		A-00075: Miglietta, MM	A-00568: Petrali, M		
UC2/NWP4: Climate prediction & scenarios: months-decades-century – 6	UC1: Climate change assessments: trends & variability – 4	AW7: Atmospheric hazards – 2	UC3: Climate monitoring, mapping & data management – 4		
A-00541: Schar, C	A-00112: Drost, F	A-00253: Stancalie, G	A-00414: Fuchs, T		
A-00023: Kendon, E	A-00209: Falarz, M	A-00400: Stel, F	A-00362: Schüller, L		
A-00673: Bülow, K	A-00098: Taboada, JJ	A-00682: Antonescu, B	A-00395: Kothe, S		
A-00088: Hübener, H	A-00123: Pinto, JG	A-00612: Dotzek, N	A-00338: Cindric, K		
A-00036: Sterl, A	A-00135: Leckebusch, GC	A-00631: Oviedo, LM	A-00629: Zivoda, M		
A-00628: Pons, MR	A-00399: Spekat, A	A-00064: Stangen, A	A-00340: Anreder, HE		
A-00420: Giannakopoulos, C	A-00546: Hofstra, N	A-00404: Giaiotti, D	A-00295: Cros, S		
A-00277: Huth, R		A-00379: Créton-Cazanave, L	A-00301: Tsydypov, V		
UC2/NWP4: Climate prediction & scenarios: months-decades-century – 7	UC1: Climate change assessments: trends & variability – 5				
A-00208: Goodess, CM	A-00107: Nikulin, G				
A-00658: Klein Tank, A					
A-00058: van den Hurk, BJM					
A-00115: Benestad, RE	A-00167: Schaedler, G				
A-00406: Beersma, JJ	A-00435: Tomassini, L				
A-00042: Wibig, J	A-00534: Bakker, A				
A-00495: Leckebusch, GC	A-00194: Hurkman, R				
A-00317: Warrick, R	A-00223: Szepszo, G – YSTA				
	A-00106: Kostopoulou, E				

Abstract numbers are abbreviated. The full abstract numbers that begin with "EMS2008-" are required for any inquiries. Only the name of the presenting author is given.
Session titles may be short versions of the full session titles.

Fri Thu Wed Tue Mon

European Conference on Applied Climatology

UC1 Climate change assessments: trends and variability - ORAL PROGRAMME

Convener: Jones, P.
Co-Convenor(s): Rebetez, M., Heino, R., Klein Tank, A.
Lecture Room: L
Chairperson: KLEIN TANK, A.

11:00–11:15; EMS2008-A-00112
Drost, F.; England, M. H.
On the spatial pattern of the Southern Annular Mode

11:15–11:30; EMS2008-A-00209

Falarz, M.

Centres of action of the atmosphere in the Northern Hemisphere: changes, interactions, influence on temperature in Europe

11:30–11:45; EMS2008-A-00098

Taboada, J.J.; Lorenzo, M.N.; Ramos, A.M.; Gimeno, L.
Trends in circulation patterns and weather types in north Atlantic area affecting NW Iberian Peninsula

11:45–12:00; EMS2008-A-00123

Pinto, J.G.; Zacharias, S.; Fink, A.H.; Leckebusch, G.C.; Ulbrich, U.
Factors contributing to the development of extreme North Atlantic cyclones and their relationship with the NAO

12:00–12:15; EMS2008-A-00135

Leckebusch, G.C.; Renggli, D.; Ulbrich, U.
Development and Application of an Objective Storm Severity Index for the Northeast Atlantic Region

12:15–12:30; EMS2008-A-00399

Spekat, A.; Kreienkamp, F.; Enke, W.
Uncertainty square: Bandwidth of future climate change from the modeller's and the decision maker's perspective

12:30–13:00; EMS2008-A-00546

Hofstra, N.; New, M.
The ENSEMBLES gridded climate dataset and its use for evaluation of extreme RCM outputs (solicited)

13:00 Lunch Break

Chairperson: WIBIG, J.

14:00–14:30; EMS2008-A-00107

Nikulin, G.; Kjellström, E.; Bärring, L.
Changes in daily temperature variability over Europe from an ensemble of regional climate simulations driven by several AOGCMs (solicited)

14:30–14:45; EMS2008-A-00167

Schaedler, G.; Frueh, B.; Feldmann, H.
Present and future return values of heavy precipitation over complex terrain – the Black Forest region in Germany as an example

14:45–15:00; EMS2008-A-00435

Tomassini, L.; Jacob, D.
Spatial analysis of trends in extreme precipitation events in high-resolution climate model results and observations for Germany

15:00–15:15; EMS2008-A-00534

Bakker, A.
Bias correction and resampling of RCM daily precipitation and temperature for the assessment of extreme Rhine discharges

15:15–15:30; EMS2008-A-00194

Hurkmans, R.; Terink, W.; Uijlenhoet, R.; Torfs, P.
Climate change impacts on extreme discharges in the Rhine basin

15:30–15:45; EMS2008-A-00223

Szepszo, G.
Preliminary results based on the climate change simulation with the REMO model over the Carpathian Basin

15:45–16:00; EMS2008-A-00106

Kostopoulou, E.; Tolika, K.; Tegoulias, I.; Giannakopoulos, C.; Anagnostopoulou, C.; Maher, P.
An assessment of strengths and weaknesses of ENSEMBLES Regional Climate Models in detecting climate extremes for the Mediterranean region

16:00 END OF ORAL PROGRAMME UC1

UC2/NWP4 Climate prediction and scenarios from months to decades to century

- ORAL PROGRAMME

Convener: Appenzeller, C.

Co-Convenor(s): Goodess, C., Troccoli, A., van der Linden, P.

Lecture Room: Forum

Chairperson: GOODESS, C.

8:30–8:45; EMS2008-A-00293

Deque, M.; Somot, S.
Regional simulations in ENSEMBLES: from weights to probabilities

8:45–9:00; EMS2008-A-00289

Buser, C.; Kuensch, H.; Schaer, C.
Estimating uncertainties in predicting climate distributions: A Bayesian multi-model method

9:00–9:15; EMS2008-A-00522

Gobiet, A.; Themeßl, M.; Pfeifer, S.; Lorenz, P.; Jacob, D.
On the Value of Empirical-Statistical Downscaling and Model Error Correction Methods for Climate Scenario Production

9:15–9:30; EMS2008-A-00477

Lorenz, P.; Jacob, D.
Validation of temperature trends in the ENSEMBLES RCM runs driven by ERA40

9:30–9:45; EMS2008-A-00108

Kjellström, E.; **Nikulin, G.**
Evaluation of simulated daily maximum and minimum temperatures from an ensemble of regional climate models

9:45–10:00; EMS2008-A-00700

Halenka, T.; Belda, M.; Miksovsky, J.; Farda, A.; Stepanek, P.; Skalak, P.
High resolution regional climate modelling: comparison and validation of ERA40 driven simulations for Czech Republic in EC FP6 project CECILIA, preliminary comparison of scenarios runs

10:00–10:15; EMS2008-A-00457

Torres, L.; del Carre, M.; Ribalaygua, J.
Verification results of a Two-Step Analog Method applied over the European ENSEMBLES 0.22° rotated grid

10:15–10:30; EMS2008-A-00530

Sieck, K.; Lorenz, P.; Jacob, D.
Variability in ensemble simulations due to domain shifts in the regional climate model REMO

10:30 Coffee Break

Chairperson: N.N.	15:30–15:45; EMS2008-A-00469 Leckebusch, G.C.; Donat, M.; Wild, S.; Ulbrich, U. Loss potentials of wind storms over Europe under anthropogenic climate change conditions based on an ensemble of GCMs and RCMs
11:00–11:15; EMS2008-A-00541 Hohenegger, C.; Brockhaus, P.; Bretherton, C.S.; Schar, C. Towards climate simulations at cloud-resolving scales	
11:15–11:30; EMS2008-A-00023 Kendon, E.; Rowell, D.; Jones, R. Drivers and reliability of future changes in extreme precipitation	15:45–16:00; EMS2008-A-00317 Warrick, R.; Lu, X. Development and application of the SimCLIM sea-level scenario generator for impact and adaptation assessment
11:30–11:45; EMS2008-A-00673 Bülow, K.; Tomassini, L.; Jacob, D. Comparison of daily temperature and precipitation time series from different regional climate models to observations within the Rhine drainage basin	16:00 END OF ORAL PROGRAMME UC2/NWP4
11:45–12:00; EMS2008-A-00088 Huebener, H.; Cubasch, U. Compensating model errors: The case of simulated rainfall for Romania in six European GCMs	UC3 Climate monitoring, mapping and data management - ORAL PROGRAMME Convener: Forland, E. Co-Convener(s): Della-Marta, P., Prior, J., Szalai, S., Brunet India, M. Lecture Room: N Chairperson: SZALAI, S.
12:00–12:15; EMS2008-A-00036 Sterl, A.; Severeijns, C.; Dijkstra, H.; Hazleger, W.; van Oldenborgh, G.J. When can we expect extremely high surface temperatures?	8:30–9:00; EMS2008-A-00332 Gruber, C.; Auer, I.; Mestre, O. Homogenization of daily maximum and minimum temperatures – a comparison of methods (solicited)
12:15–12:30; EMS2008-A-00628 Pons, M.R.; Sordo, C.M.; San-Martín, D.; Herrera, S.; Gutiérrez, J.M. Statistical Downscaling of Snow Trends in Northern Spain from Global Climate Models	9:00–9:15; EMS2008-A-00697 Aguilar, E.; Rodrigo, F.S.; Luna, Y.; Rasilla, D.; Brunet, M.; Sigró, J. Homogenization of Spanish temperature series on a daily resolution. A step forward towards an analysis of extremes in the Iberian Peninsula
12:30–12:45; EMS2008-A-00420 Giannakopoulos, C.; Kostopoulou, E.; Tolika, K.; Anagnostopoulou, C.; Maher, P.; Tziotziou, K. Assessment of changes in climate, extremes and associated sectoral impacts using high resolution regional climate model scenarios for the Eastern Mediterranean	9:15–9:30; EMS2008-A-00230 Rasol, D.; Likso, T. Homogenisation of Temperature Time Series in Croatia
12:45–13:00; EMS2008-A-00277 Huth, R. First steps towards probabilistic climate change scenarios based on statistical downscaling	9:30–9:45; EMS2008-A-00501 Cheval, S.; Szentimrey, T.; Manea, A.; Ralita, I. Homogenization of monthly precipitation series in Romania (1901–2005) by using metadata
13:00 Lunch Break	9:45–10:00; EMS2008-A-00615 Stepanek, P.; Zahradnicek, P.; Skalak, P. Data quality control and homogenization of air temperature and precipitation series in the area of the Czech Republic since 1961
Chairperson: APPENZELLER, C.	10:00–10:15; EMS2008-A-00676 Andresen, L. The Norwegian homogenization programme
14:00–14:15; EMS2008-A-00208 Goodess, C.M. The challenges of providing usable probabilistic information at regional and local scales in the ENSEMBLES project	10:15–10:30; EMS2008-A-00568 Petralli, M.; Massetti, L.; Orlandini, S. Solar radiation exposure of shielded air temperature sensors and measurement error evaluation in an urban environment: a preliminary study in Florence, Italy
14:15–14:30; EMS2008-A-00658 Klein Tank, A. The Dutch series of climate change scenarios for local adaptation strategies	10:30 Coffee Break
14:30–14:45; EMS2008-A-00058 van den Hurk, B.J.J.M.; Bakker, A.; Bessembinder, J. tailoring of general KNMI'06 scenarios for local planning	Chairperson: BRUNET INDIA, M.
14:45–15:00; EMS2008-A-00115 Benestad, R.E.; Engen-Skaugen, T.; Hanssen-Bauer, I. Empirical-Statistical Downscaling and applications	11:00–11:15; EMS2008-A-00414 Fuchs, T.; Schneider, U. The Global Precipitation Climatology Centre (GPCC) - Precipitation monitoring and mapping on national, regional and global scale (solicited)
15:00–15:15; EMS2008-A-00406 Beersma, J.J.; Buishand, T.A. Changes in extreme Rhine discharges based on the Ensembles RCM-GCM runs	11:15–11:30; EMS2008-A-00362 Schüller, L. EUMETSAT's contribution to sustained climate monitoring from space
15:15–15:30; EMS2008-A-00563 Wibig, J. ; Rockel, B. Scenarios for precipitation extremes in Poland for the 21st century according to CLM model	

11:30–11:45; EMS2008-A-00395

Kothe, S.; Ahrens, B.; Nitsche, H.; Hechler, P.

A conceptual approach for climate monitoring with merged satellite and in situ data

11:45–12:00; EMS2008-A-00338

Cindric, K.; Juras, J.

The outline on precipitation amount monitoring

12:00–12:15; EMS2008-A-00629

Zreda, M.; Shuttleworth, J.; Zeng, X.; Zweck, C.

COSMOS: COsmic-ray Soil Moisture Observing System

12:15–12:30; EMS2008-A-00340

Ahrends, H.E.; Etzold, S.; Stöckli, R.; Wanner, H.; Buchmann, N.; Eugster, W.

Can digital camera imagery advance forest ecosystem studies?

12:30–12:45; EMS2008-A-00295

Cros, S.; Stubenrauch, C.J.; Armante, R.; Chédin, A.; Scott, N.A.

Cloud climatologies from satellite-based infrared soundings: a new 5-year dataset from AIRS

12:45–13:00; EMS2008-A-00301

Tsydypov, V.; Zhamsueva, G.; Zayakhanov, A.; Aurnaev, A.

Relationship of surface ozone with meteorological parameters in atmosphere of Ulan-Ude

13:00 END OF ORAL PROGRAMME UC3

UC5 Synoptic Climatology - ORAL PROGRAMME

Convener: Benestad, R.

Co-Convener(s): Lionello, P., Huth, R.

Lecture Room: L

Chairperson: N.N.

8:30–8:45; EMS2008-A-00672

van der Schrier, G.; Lubczynska, M.; Klein Tank, A.

Investigating the link between soil-moisture deficits and spells of extreme temperatures in Europe

8:45–9:00; EMS2008-A-00195

Navarro, J.; Montávez, J.; García-Bustamante, E.; Jiménez, P.; González-Rouco, J.

Dynamical and statistical wind downscaling in the Northeast of the Iberian Peninsula

9:00–9:15; EMS2008-A-00314

Winterfeldt, J.; Weisse, R.

Does dynamical downscaling with regional atmospheric models add value to surface marine wind speed from reanalyses?

9:15–9:30; EMS2008-A-00488

Lotterner, C.; Sperka, S.; Trapper, T.; Steinacker, R.; Chimani, B.

Mesoscale Alpine Climatology

9:30–9:45; EMS2008-A-00551

Joly, B.; Nuissier, O.; Beaulant, A.L.; Somot, S.; Ducrocq, V.; Joly, A.

Statistical and dynamical downscaling of large scale ingredients for Heavy Precipitating Events of southeastern France in a future climate

9:45–10:00; EMS2008-A-00364

Coccimiglio, P.; Lanini, M.; Baldi, M.

Regionalization and classification of bioclimatic zones in Italy: an evaluation of thermal stress indexes

10:00 END OF ORAL PROGRAMME UC5

Atmosphere and the Water Cycle

AW7 Atmospheric Hazards (co-listed in NWP)

- ORAL PROGRAMME

Convener: Stel, F.

Co-Convener(s): Giaiotti, D.

Lecture Room: M

Chairperson: GIAIOTTI, D. B.

8:30–8:45; EMS2008-A-00407

Cuevas, G.; Martinez, M.A.; Manso, M.

Use of MSG/SAFNWC products in the monitoring of Hurricane Gordon and its Extratropical Transition

8:45–9:00; EMS2008-A-00473

Martinez-Alvarado, O.; Gray, S. L.; Baker, L. H.

Conditional symmetric instability and the development of sting jets

9:00–9:15; EMS2008-A-00012

Zavolgensky, M.V.; Rutkevich, P.B.

Tornado funnel-shaped cloud as convection in a cloudy layer

9:15–9:30; EMS2008-A-00632

Grubisic, V.; French, F.; Haimov, S.; Oolman, L.; Billings, B.; Xiao, M.

Lower tropospheric waves and wave-induced turbulence zones: Insights from T-REX

9:30–9:45; EMS2008-A-00244

Monteiro, A.; Sousa, C.; Sousa, J.

Heat Waves during the last century at Porto (1900-2006): how to mitigate the most severe damages?

9:45–10:00; EMS2008-A-00139

Tzenkova-Bratoeva, A.; Ivancheva, J.; Videnov, Pl.; Gospodinov, Il.

Bioclimate Conditions during the Heat Waves in Bulgaria in the Summer Season 2007

10:00–10:15; EMS2008-A-00252

Pytharoulis, I.

Numerical study of the Eastern Mediterranean “bomb” of January 2004

10:15–10:30; EMS2008-A-00075

Miglietta, M. M.; Moscatello, A.; Davolio, S.; Rotunno, R.

Numerical forecasts of a tropical-like cyclone over the central Mediterranean

10:30 Coffee Break

Chairperson: STEL, F.

11:00–11:15; EMS2008-A-00253

Stancalie, G.; Oprea, C.; Irimescu, A.; Antonescu, B.; Burcea, S.; Catana, S.; Cheval, S.; Dumitrescu, A.; Breza, T.

Severe flash flood in Romania. Case studies

11:15–11:30; EMS2008-A-00400

Gallai, I.; Giaiotti, D. B.; Gladich, I.; Stel, F.

The impacts of climate change on severe storms: state of the art and future perspectives

11:30–11:45; EMS2008-A-00682

Antonescu, B.; Bell, A.

Tornadoes in Romania

11:45–12:00; EMS2008-A-00612

Dotzek, N.

Assessment of high-wind events from convectively driven downdrafts

- 12:00–12:15;** EMS2008-A-00631
Oviedo, L.M.; Pons, M.R.; San-Martín, D.; Ancell, R.
 Statistical Downscaling of Rare Events. An Application to Storm Forecast
- 12:15–12:30;** EMS2008-A-00064
Slangen, A.; Schmeits, M.J.
 Probabilistic forecasts of winter thunderstorms around Schiphol Airport using model output statistics
- 12:30–12:45;** EMS2008-A-00404
 Gallai, I.; Giaiotti, D. B.; Gladich, I.; Stel, F.
 On the Onset of Deep Moist Convection on the Southern Side of the Alps
- 12:45–13:00;** EMS2008-A-00706
Créton-Cazanave, L.
 Warning ! What is a relevant signal along a flash floods warning process ?

13:00 END OF ORAL PROGRAMME AW7

**AW7 Atmospheric Hazards (co-listed in NWP)
- POSTER PROGRAMME**

Convener: Stel, F.
 Co-Convenor(s): Giaiotti, D.
 Display Time: Wednesday, 08:00–Friday, 13:00
Authors in Attendance: Thursday, 18:30–20:00
 Poster Area: Forum Lounge (Ground Floor)
 Chairperson: N.N.

- P0119;** EMS2008-A-00567
Schartner, T.; Nevir, P.; Leckebusch, G.C.; Ulbrich, U.
 Forecast of convective events and lightning with the Dynamic State Index (DSI)

- P0120;** EMS2008-A-00035
Perez, R.C.
 The roll of temperature gradient and dew point in the convective storm process in Mendoza (Argentina)

- P0121;** EMS2008-A-00225
Säntti, K.; Hirvonen, J.; Hyvönen, R.
 A Comparison of an atmospheric icing index and in-situ measurements at Luosto, Finland

- P0122;** EMS2008-A-00392
Manea, A.; Cheval, S.; Dumitrescu, A.; Ralita, I.; Baciu, M.
 The analysis of some meteorological elements that can develop in hazards during the warm season in Romania

- P0123;** EMS2008-A-00013
 Rutkevich, P.B.; Rutkevych, P.P.
 Nonlinear convection in vertical channel

- P0124;** EMS2008-A-00141
Pirnach, A.; Dudar, S.; Shpyg, V.
 Numerical simulation of frontal cloud systems accompanied dangerous events in Ukraine

- P0125;** EMS2008-A-00450
Krikken, F.; Steeneveld, G.J.
 Analysis of the Re-intensification of Tropical Cyclone Erin over Land with the Numerical Model MM5

- P0126;** EMS2008-A-00626
Pajek, M.
 Severe storm nowcasting and monitoring with use of Meteosat Second Generation data (case study)

- P0127;** EMS2008-A-00074
Bliznak, V.; Sokol, Z.
 Areal distribution of heavy short-term rainfalls in the Czech Republic in the warm part of the year

- P0128;** EMS2008-A-00309
Vanina-Dart, L.B.; Sharkov, E.A.
 Tropical cyclone influence on the atmosphere as one of the major parts of the climate processes

- P0129;** EMS2008-A-00228
Antonescu, B.; Burcea, S.; Carbunaru, D. V.
 Cloud-to-ground lightning climatology in Romania

- P0130;** EMS2008-A-00356
Paquete, I.; Silva, M.; Silva, M.; Monteiro, A.
 Climatology, Car Accidents and Road Security

- P0131;** EMS2008-A-00220
Pocakal, D.P.
 Hail climatology in continental part of Croatia – changes in some parameters

- P0132;** EMS2008-A-00166
Rangogno, J.; Bergot, T.; Tulet, P.
 Influence of aerosols on the life cycle of radiative fog

- P0133;** EMS2008-A-00590
Grigoropoulos, K.N.; Nastos, P.T.; Ferentinos, G.; Gi-alouris, A.; Avgeri, D.; Kalabokis, V.; Saratsiotis, D.; Vassiliou, T.
 Spatial distribution of PM1 and PM10 during Saharan dust events in Athens, Greece

- P0134;** EMS2008-A-00126
Merk, C.; Cermak, J.; Bendix, J.
 Retrieval of fog/low stratus cloud properties at night - a sensitivity study for Meteosat Second Generation ground fog detection

- P0135;** EMS2008-A-00154
Cai, X.Z.
 Relationship between ENSO Cycle and East Asian Summer Monsoon and Its Influence on Summer Rainfall Anomalies in Southeast China

- P0136;** EMS2008-A-00385
Manea, A.; Ralita, I.; Boroneant, C.
 Meteorological discomfort – evolution and vulnerability

- P0137;** EMS2008-A-00070
Haiguang, Z.
 Dual-Doppler Radar Study on the 3D Structure Evolution Feature of the Heavy Rainfall by Krosa (0716) Landing

- P0138;** EMS2008-A-00202
Vincendon, J.C.; Gillet-Chaulet, B.
 Vigilance and early detection of meteorelogical hazards products at Météo-France

- P0139;** EMS2008-A-00772
Staudinger, M.
 Use of warnings and alert level determination in METEOALARM

END OF POSTER PROGRAMME AW7

Short Course on Radiation

Convener: Mes, F.
 Co-Convenor(s): Van Wely, L.

14:00–16:00

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- P. Rogel CERFACS
F.-J. Doblas-Reyes ECMWF
and seasonal to decadal ENSEMBLES partners
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