

# +++ Deadline abstract submission: 16 May 2008 +++

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EMS  
Annual Meeting

ECAC  
European Conference on  
Applied Climatology

RAI  
AMSTERDAM

29 September  
3 October

Second Announcement

**Panel Discussion**  
**Communication**  
**on Climate Change**

## Session Programme

### The ECAC Programme: Adaptation to Climate Change – *meeting the challenges*

Climatic change is one of the most challenging issues that we face today. The publication of the IPCC report in 2007 reinforced concerns about the evolution of the climate, thus raising critical questions on how to mitigate and adapt to climate change. Decision-making support tools for effective short-term and long-term adaptation plans, based on a sound understanding of climate and its variability, are therefore urgently needed to mitigate the societal and economic impact.

#### **Understanding Climate (UC)**

- Climate change assessments
- Climate prediction and scenarios from months to decades to century
- Climate monitoring, mapping and data management
- Climate reconstructions and historical climatology
- Synoptic Climatology

#### **Adaptation to Climate (AC)**

- Generic Adaptation Approaches
- Urban and building environments
- Climate proofing of water systems
- Risk Management for (re)insurance and financing
- Environment
- Climate change and society

**The EMS Annual Meeting programme** aims to strengthen and widen scientific exchange within the European context, to address the challenges of interpreting the results, and to communicate them to society at large. It includes the application of meteorology for the benefit of society, providing a platform for the meteorological community to discuss demands and aims for now and the future, thus creating synergies with the **ECAC programme on adaptation**.

#### **Forecasting the weather at all time scales -**

*THORPEX studies, developments in NWP, applications and societal impact (NWP)*

- Dynamics and predictability of high impact weather
- Ensemble forecasting
- High resolution forecasting systems
- Observation targeting
- Impact of various Observing Systems on NWP
- Societal impact and economic applications

#### **Meteorology & Society (MS)**

- Media and Communication
- Climatological & meteorological information in the context of decision making
- Gender equality
- Education in atmospheric and related sciences

#### **Atmosphere & the water cycle (AW)**

- Dynamical meteorology
- Long term memory in the climate system
- Small scale processes in atmospheric models
- Large-scale air-sea interaction processes
- Interrelationships between Earth and Space Meteorology
- Instruments and new challenges in observation strategies
- Atmospheric hazards
- Boundary layer physics and parametrizations
- air-sea interaction and exchange
- Environmental Meteorology
- Phenology and Agrometeorology
- Spatial Interpolation and GIS modelling



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