



Expert meeting on "Weather and climate related extreme events", 18-19 March 2015

(EEA, Kongens Nytorv 6, Copenhagen, Denmark, room 8.2.30)

Time	Day 1: 18 March
10:30-10:45	Registration
10:45-11.45	<p>Introduction to the meeting</p> <p>André Jol/Hans-Martin Füssel (EEA): "EEA work on Climate change impacts and adaptations"</p> <p>Blaz Kurnik (EEA): "EEA work on Weather and climate related extreme events"</p> <p>Paul van der Linden ETC/CCA, UK Met office: "Outline of the Technical paper on weather and climate related extreme events"</p>
11:45-12:45	<p>(Session 1) Observations and projections (Chair: Paul van der Linden)</p> <p>Gerard van der Schrier (Royal Netherlands Meteorological Institute, NL): "Monitoring climatic extreme events in relation to their historical perspective"</p> <p>Claas Teichmann (CSC, DE): "High-resolution climate change simulations within EURO-CORDEX: Projecting extremes"</p> <p>discussion</p>
12:45-14:00	Lunch (Self payment)
14:00-17:30	<p>(Session 2) Droughts and extreme temperatures (Chair: Robert Dunn)</p> <p>Heat waves (key words: heat waves climatology, modelling extreme temperatures, bias correction)</p> <p>Erich Fischer (ETH, CH): "Europe - a hotspot for changes in heatwaves"</p> <p>Alessandro Dosio (DG-JRC): "Detecting present and future extreme heat waves with the Heat Wave Magnitude index"</p> <p>discussion</p> <p>Coffee break</p> <p>Meteorological and soil moisture droughts (key words: drought indices, soil moisture drought, connection between droughts and heat waves)</p>

Sonia Seneviratne (ETH, CH): “Drought definition, prediction, and changes with global warming”

Jürgen Vogt (DG-JRC): “Combining Indicators to Assess Past, Current and Future Droughts in Europe”

discussion

Hydrological Droughts (how to define drought, drought indices, soil moisture drought, drought climatology)

Henny van Lanen (Wageningen University, NL): “Hydrological drought: hazard and impacts”

Simon Parry (NERC Centre for Ecology and Hydrology, UK): “Recent hydrological drought research at the Centre for Ecology & Hydrology, UK”

discussion

Dinner (Self-payment)

Time

Day 2: 19 March

9:15-12:30

(Session 3) Hail and heavy precipitation (Chair: Peter Dempsey)

Hail (key words: climatology of hail and hailstorms in Europe, detecting hail events in models, changes in hail potential in past and future)

Michael Kunz (Institute for Meteorology and Climate Research, DE): “What we know and what we do not know about hail hazard”

H. Jürgen Punge (Institute for Meteorology and Climate Research, DE): “Hail hazard in Europe based on the overshooting cloud top (OT) proxy”

discussion

Coffee break

Heavy precipitation (key words: indices to define heavy precipitation, statistical assessments of precipitation, modelling incl. bias correction)

Rasmus E. Benestad (The Norwegian Meteorological Institute, NO): “Climate predictability beyond traditional climate models”

Hayley J. Fowler (Newcastle University, UK): “Benefits of very high resolution (km-scale) climate models for understanding changes in heavy precipitation”

discussion

12.30-13.00

Conclusions and closing the meeting