

‘EXTREMES IN A CHANGING CLIMATE’

Workshop organised jointly by the CCL/CLIVAR/JCOMM-ETCCDI and ENSEMBLES-RT5

Tuesday 13 May: Progress meeting for ETCCDI members (Room Buys Ballot)			
08:30	Welcome & coffee		
09:00	Co-chairs	Introduction and review of today's agenda	
09:20	Pierre Bessemoulin (Chair WMO/CCL, Meteo-France)	WMO/CCL perspectives for ET	
09:40	Howard Cattle (Director International CLIVAR Project Office)	WCRP/CLIVAR perspectives for ET	
10:00	Val Swail (Environment Canada)	JCOMM perspectives for ET	
10:20	Coffee break		
10:50	Brad Garanganga (Drought monit. centre)	Drought indices	
11:20	Val Swail (Environment Canada) / Scott Woodruff (NOAA, US) / Liz Kent (National Oceanography Centre) / David Parker (Met Office)	Climate indices from marine data (summary)	
11:50	Discussion	Plans for ocean and surface marine climate indices	
12:30	Lunch		
13:30	Discussion	R-software developments and ET extremes website (Xuebin Zhang)	
		Workshop series and plans for HadEX2 (Lisa Alexander)	
		Heat indices (Blair Trewin)	
		Case studies on inhomogeneities in time series (Albert Klein Tank)	
15:00	Coffee break		
15:30	Discussion	Near real time updating of indices using SYNOP messages (Albert Klein Tank)	
		Status of review paper (Xuebin Zhang)	
		Progress on the other items of the ET work programme (Francis Zwiers)	
		WMO guidance document (Albert Klein Tank)	
17:30	ET-dinner in De Bilt		

Wednesday 14 May: Joint workshop 'Extremes in a changing climate' (Room Buys Ballot)			
08:30	Welcome		
09:00	Albert Klein Tank (KNMI)	Opening remarks and workshop objective	
09:10	Francis Zwiers (Environment Canada)	ETCCDI: Extremes in a changing climate	
09:40	Adri Buishand (KNMI)	ENSEMBLES: Modelling of precipitation extremes in a transient Regional Climate Model run for the Rhine basin	
10:10	Coffee break		
10:40	Simon Brown (Met Office)	Global changes in extreme daily temperature since 1950 using non-stationary extreme value analysis	
11:10	Chris Ferro (Exeter University)	Estimating the extremal index in nonstationary processes	
11:40	Anthony Davison (EPFL)	Statistical models for spatial extremes	
12:10	Discussion		
12:30	Lunch		
13:30	Frits Brouwer (KNMI)	A welcome from the Director of KNMI	
13:45	Phil Jones (CRU)	Changes in extremes reported in IPCC-AR4	
14:15	Gabi Hegerl (Edinburgh University)	Understanding and attributing changes in climate extremes	
14:45	Julie Arblaster (NCAR/BoM)	Understanding, attributing and comparing changes in extremes using the CMIP3 multimodel dataset	
15:15	Coffee break		
15:45	Cheng-Ta Chen (National Taiwan Normal University)	On the verification and comparison of extreme rainfall indices from climate models	
16:15	Xuebin Zhang (Environment Canada)	Constraining future projections for temperature extremes at the local scale	
16:45	Val Swail (Environment Canada) / Scott Woodruff (NOAA, US) / Liz Kent (National Oceanography Centre) / David Parker (Met Office)	Climate indices for extremes in marine data	
17:15	Discussion		
18:00	Reception at KNMI		

Thursday 15 May: Joint workshop 'Extremes in a changing climate' (Room Buys Ballot)			
09:00	Nynke Hofstra (Oxford University)	Trends in extremes in the ENSEMBLES daily gridded observational datasets for Europe	
09:30	Erasmus Buonomo (Met Office)	An assessment of extreme precipitation events as reproduced by the ENSEMBLES RT3 ensembles of simulations driven by ERA-40 reanalysis	
10:00	Martin Hirschi (ETH-Zürich)	Extremes indices in the EU-FP6 project Cecilia	
10:30	Coffee break		
11:00	Hayley Fowler (Newcastle University)	Comparing observed and modelled seasonal UK precipitation extremes from the PRUDENCE ensemble, and future projections	
11:30	Geert Lenderink (KNMI)	Do precipitation extremes obey the Clausius-Clapeyron relation?	
12:00	Lisa Alexander (Monash University)	Assessing trends in observed and modelled climate extremes over Australia in relation to future projections	
12:30	Lunch		
13:30	Erich Fischer (ETH-Zürich)	Scenarios of subseasonal European heat waves and their relationship to changes in the seasonal cycle and daily temperature variability	
14:00	Maria Suveges (EPFL)	Non-stationarity of the summer extreme temperatures in Neuchatel during 1901-2006	
14:30	Geert Jan van Oldenborgh (KNMI)	How unusual were the extremely mild autumn, winter and spring 2006/2007 in Europe?	
15:00	Paul Della-Marta (MeteoSwiss)	Non-stationary and bivariate extremes related to wind storms	
15:30	Coffee break		
16:00	Laurent Terray (Cerfacs)	Links between extremes and large-scale circulation patterns in present and future climate	???
16:30	Mahboob Alam (Stuttgart University)	Identification of critical circulation patterns in selected RCM runs and gridded observational data	
17:00	Frank Selten (KNMI)	Extreme associated functions: optimally linking local extremes to large-scale atmospheric circulation structures	???
17:30	Discussion		
18:00	Albert Klein Tank (KNMI)	Closure of joint workshop 'Extremes in a changing climate'	

Friday 16 May: Progress meeting for ENSEMBLES-WP5.4 members (Room Vening-Meinesz)			
09:00	Adri Buishand (KNMI)	Introduction by WP5.4 leader	
09:15			
10:30	Coffee break		
11:00			
12:20	Closure		
12:30	Lunch		
Friday 16 May: Meeting on 'Issues of scaling' (Room Buys Ballot)			
09:00	Lisa Alexander (Monash University)	Introduction by meeting organiser	
09:10	Panel discussion	The key issues/problems associated with comparing modelled and observed extremes (Chair: Lisa Alexander)	
10:30	Coffee break		
11:00	Open discussion	Recommendations for solutions to scaling issues in preparation for IPCC AR5	
12:20	Closure		
12:30	Lunch		