

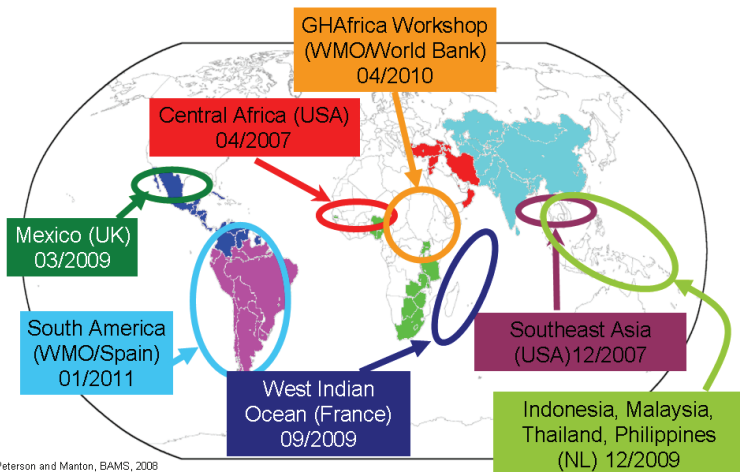
Expert Team on Climate Change Detection and Indices

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Goals: • provide international coordination on climate change detection and attribution • promote exchange of long-term daily station data • help implement a system of indices and tools that enables a consistent approach to the monitoring and analysis of changes in extremes by countries across the globe

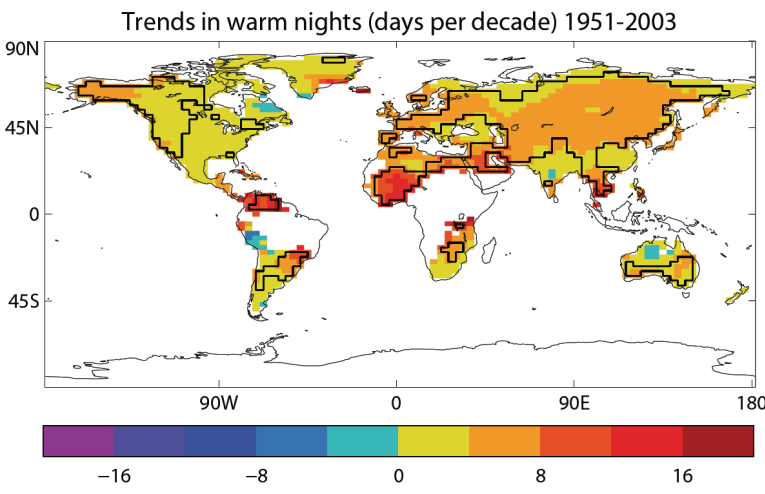
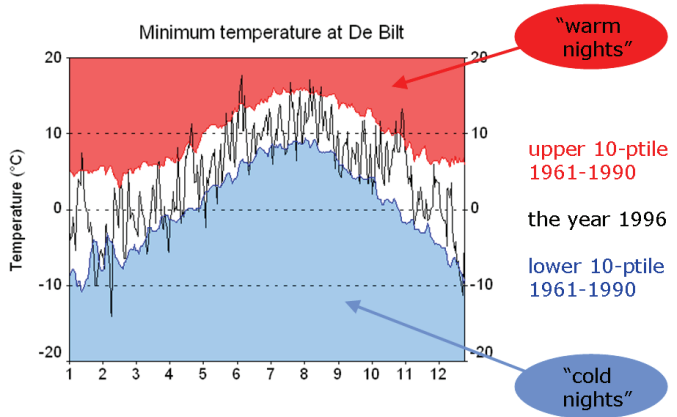


Peterson and Manton, BAMS, 2008

Sponsors: • WMO Commission for Climatology (CCI) • WCRP Climate Variability and Predictability Project (CLIVAR) • WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM)

Climate change indices: • defined by the ETCCDI • form a benchmark suite of internationally agreed indices calculated from daily temperature and precipitation data at weather stations (e.g. De Bilt)

Regional workshops: • bring together local experts • help enhance the capacity to monitor changes in extremes • foster data rescue • enable the full global analysis of changes in extremes (e.g. warm nights)



Alexander et al., JGR, 2006; also in IPCC, 2007

Outlook: • continued international exchange of data and indices information • review paper on extremes indices in WIREs Clim Change (Zhang et al., 2011) • at least two new workshops in Africa in 2011/2012