

Poster programme

Session 1 Hydrological extremes (precipitation, flooding and river discharge), including compound hydroclimate extremes

- 1.1 **Ines Camilloni** *Future flood scenarios in the Paraná and Uruguay Rivers*
- 1.2 **Iracema Cavalcanti** *Monthly and seasonal extreme precipitation over South America – observations and simulations from CPTEC AGCM and HADCM3/HADLEY centre AOGCM*
- 1.3 **Tereza Cavazos, S. Arriaga-Ramirez and C. Turrent** *Regional trends of extreme daily precipitation indices in Northwest Mexico and the Southwest USA*
- 1.4 **Johanna Danneberg** *Effects of climate change on hydrological extremes in Thuringia*
- 1.5 **Guillaume Drapeau** *Extreme discharge values in the Amazon basin: observation and simulations by ORCHIDEE*
- 1.6 **Moira Doyle** *Extremes of monthly precipitation in La Plata basin*
- 1.7 **Alaa El-Sadek** *An application to the extreme value theory: two case studies in the Nile basin*
- 1.8 **Abeer El-Saharty** *Radionuclide concentrations in shallow water sediments off the Nile delta, Egypt*
- 1.9 **Nobuhiko Endo and Jun Matsumoto** *Trends in precipitation extremes over Southeast Asian*
- 1.10 **Petra Friederichs** *Spatial modeling of peak wind speed observations*
- 1.11 **Stephanie Hänsel** *Changes in drought frequency, severity and duration in the 21st century, model region Dresden, REGKLAM project*
- 1.12 **Koji Ishihara** *Assessment for the 30-year daily precipitation change due to global warming using regional frequency analysis*
- 1.13 **Doerte Jakob** *Variability in frequency and magnitude of intense rainfall events*
- 1.14 **Toshiharu Kojiri** *Comparison of extreme water variation in river basin scale due to global warming*
- 1.15 **Lisako Konoshima** *Changes in extreme rainfall characteristics of various temporal and spatial scales under a global warming climate*
- 1.16 **Maarit Lockhoff** *How capable are satellite-based products in representing precipitation extremes?*
- 1.17 **Mong-Ming Lu** *Variations of annual frequency of extreme rainfall events in Taiwan during the period of 1951-2009*
- 1.18 **Ewa Lupikasza** *Various approaches to calculating extreme precipitation indices for frequency analysis – an example based on Polish station data*
- 1.19 **Yaoming Ma** *Third Pole Environment (TPE) Programme*
- 1.20 **Luca Molini, A. Parodi, N. Rebori, F. Siccardi and G.C. Craig** *Predictability and predictive ability of severe rainfall events over Italy*
- 1.21 **Gustavo Naumann** *Droughts in the River Plata Basin: an analysis of dry spells using daily data*
- 1.22 **Shadananan Nair** *Climate extremes: Environmental and socio-economic impacts and hurdles in adaptation and preparedness in India*
- 1.23 **Tan Thanh Nguyen Thi** *An composite observing system for early extreme events warning*
- 1.24 **Pardeep Pall** *Anthropogenic greenhouse gas contribution to UK autumn flood risk: pilot application of a Probabilistic Event Attribution framework for weather extremes*
- 1.25 **Christiana Photiadou** *An extended reference precipitation and temperature dataset for the river Rhine*
- 1.26 **Juan Rivera** *Hydrological response to meteorological drought: a case study in La Plata Basin*
- 1.27 **Simone Russo, A. Sterl and S. Speich** *Global changes of seasonal extremes and mean from precipitation daily climate model data*
- 1.28 **Mohamed Said** *Climatic change and sea level variations off Alexandria, Egypt*
- 1.29 **Abdoulaye Sarr** *Modeling and observational study of an extreme off season rain case over Western Sahel*
- 1.30 **Mxolisi Shongwe** *Projected changes in mean and extreme precipitation in Africa under global warming*
- 1.31 **Asher Siebert and M. Neil Ward** *Estimating future occurrence statistics of threshold-crossing seasonal rainfall totals: methodology and application to sites in Africa*
- 1.32 **Brian Soden** *Atmospheric warming and the amplification of precipitation extremes*
- 1.33 **Jozef Syktus** *Projections of droughts and extremes in Australusing AR4 models 1*
- 1.34 **Oliver Elison Timm** *Projecting future rainfall extremes for Hawaii in the 21st century*
- 1.35 **Andrea Toreti** *Extreme precipitation in the Mediterranean region*
- 1.36 **Yves Trambly** *Heavy rainfall events in the Languedoc region (France): relation with synoptic patterns and frequency analysis*

- 1.37 **Patrick Willems and Meron Terefi Taye** *Statistical precipitation downscaling for small-scale hydrological impact investigations of climate change*
- 1.38 **Markus Ziese** *New version of GPCP Full Data Reanalysis Product (V.5) available and its application to estimate trends and extremes in monthly precipitation*

Session 2 Extremes in temperature conditions, heat waves and dry spells

- 2.1 **Sushil Dash** *Changes in the characteristics of temperature over India*
- 2.2 **Peter Guttorp** *Looking for climate change signal in a long temperature series*
- 2.3 **Emily Hamilton** *The predictability of daily temperature extremes on a seasonal timescale using dynamical seasonal prediction systems*
- 2.4 **Andreas Hoy** *Extremes in surface climate parameters and atmospheric circulation patterns in Estonia and eastern Germany*
- 2.5 **Jan Kysely** *Temperature extremes in climate change simulations estimated by the peaks-over-threshold method with a non-stationary threshold*
- 2.6 **Madeleine Renom** *Interannual variability of extreme temperature events in South eastern South America after 1976 climate shift*
- 2.7 **Andrea Toreti** *Heat waves in the eastern Mediterranean area*

Session 3 Extreme tropical and extratropical cyclones and associated wind waves and storm surges

- 3.1 **Kehinde Ajayi** *Wind speed measurement and its distribution*
- 3.2 **Madeleine-Sophie Déroche** *Extreme European windstorms in the ERA-Interim Reanalysis*
- 3.3 **Jong-Do Jou and Yung-Ming Chen** *Extreme heavy rainfalls associated with landfall typhoons in the Taiwan Area*
- 3.4 **Thomas Knutson** *Has there been a long-term increase in Atlantic tropical storms?*
- 3.5 **Margarida L. R. Liberato** *Extreme extratropical storms in the Euro-Atlantic region and associated impacts*
- 3.6 **Kathleen McInnes** *Investigation of climate change driven variations in wave climate along the east coast of Australia*
- 3.7 **Nobuhito Mori** *Statistical modeling of future typhoons under a climate change scenario*
- 3.8 **Urs Neu** *Intercomparison of mid latitude storm diagnostics (IMILAST) - A project overview*
- 3.9 **Grigory Nikulin** *Uncertainties in the simulated wind extremes over Europe*
- 3.10 **Roberto Ranzi** *A hydrometeorological reanalysis of the century 1966 Florence and Venice flood*
- 3.11 **Hans von Storch Frauke Feser, Matthias Zahn, Monika Barcikowska, Fei Chen and Lan Xia** *Changing statistics of polar lows and typhoons in the past and foreseeable future*
- 3.12 **Wenqing Tang** *Assessment of Extreme Weather Events from the Synergy of Earth Remote Sensing Satellites*
- 3.13 **Tomohiro Yasuda** *Projection of extreme wave climate change*

Session 4 Methodologies for estimation extremes

- 4.1 **Simon Brown** *The prediction of future extreme rainfall and temperatures from a perturbed physics ensemble of regional climate models*
- 4.2 **Julie Carreau** *Spatial Kernel interpolation for annual rainfall maxima*
- 4.3 **Cheng-Ta Chen** *Regionalization of future projections on the high-impact weather and climate extremes*
- 4.4 **Rosemary Eade** *Interannual to decadal predictions of extreme temperature and precipitation from a global climate model*
- 4.5 **Malaak Kallache** *Non-stationary probabilistic downscaling of extreme precipitation*
- 4.6 **Shaw Chen Liu** *Changes of precipitation intensity in the tropics in a warming globe*
- 4.7 **Douglas Maraun** *Atmospheric circulation and precipitation extremes. Observed relationships and regional climate model evaluation*
- 4.8 **Miloslav Muller** *Area-related definition of extreme floods and weather events*
- 4.9 **Luci Hidalgo Nunes** *Evaluation of empirical and statistical techniques for identification of precipitation extremes for the coast of the state of Sao Paulo, Brazil*
- 4.10 **Leonard N. Njau** *Monitoring and prediction of extreme climate events using tropospheric indices*
- 4.11 **Jan Picek** *Extremes based on regression quantiles*
- 4.12 **Federico Ariel Robledo** *Intensity of extreme rainfall in south-eastern South America*

- 4.13 **Sai R.Rao** *Extreme Events over Southern India during Northeast Monsoon Season*
- 4.14 **Seyni Salack** *Implications of the low frequency dryspell types in intra and inter seasonal rainfall variability of Senegal*
- 4.15 **Barbara Tencer** *Temperature extremes represented by a Southeastern South American daily gridded data set of observed surface minimum and maximum temperature for 1961-2000*
- 4.16 **Mai Dang Thi** *Climate extreme events in Central part of Vietnam*
- 4.17 **Robert Twardosz** *Maximum hourly precipitation depth in Kraków (Poland). A synoptic and probabilistic approach*
- 4.18 **Duane Waliser** *Development and use of observation-based metrics of tropical variability in GCMs*
- 4.19 **Christopher White** *Modelling extreme precipitation events and severe wind gusts in a changing climate using Regional Dynamically-Downscaled Climate Projections*
- 4.20 **Vidyunmala Veldore** *Regional climate change and extremes in temperature and rainfall in observations and IPCC AR4 simulations over Indian region*

Session 5 Risk assessment

- 5.1 **Rajeevan Moothal** *Estimation of extreme climate events in developing countries from the socio-economic impact studies: a projected model for the next 25 years for Ethiopia*
- 5.2 **Alex Ruane** *Climate change impacts on agriculture in Central America and the Southeast US: changes in mean climate and new behavior of climate extremes*
- 5.3 **Amir Sadoddin** *Agricultural drought management using a Bayesian decision model for rainfed wheat farmlands in east of Golestan Province, Iran*