



Workshop-Program

18th-20th of September 2017
Berlin, Germany

Monday, September 18th

1:00pm

Registration and Coffee

2:00pm

Welcome

2:10pm

Motivation, aims and comparisons

2:10pm - 40min

Downscaling climate models for hydrology: Pitfalls and needs?

Prof. Florence Habets | CNRS, Université Pierre & Marie Curie | France

2:50pm - 40min

Weather generators - what properties of weather should be reproduced and what not?

Prof. Andras Bardossy | Stuttgart University | Germany

3:30pm - 30min

Comparing five weather generators in terms of entropy

Dirk Schlabing | Stuttgart University | Germany

4:00pm

Coffee break

4:30pm

Explorative and seasonal approaches

4:30pm - 30min

Explorative analysis of long time series of very high resolution spatial rainfall

Emma Dybro Thomassen | Technical University of Denmark | Denmark

5:00pm - 30min

A seasonal hidden Markov model for simulation of daily rainfall time series

Augustin Touron | EDF/R&D | France

5:30pm

Ice-Breaker

Tuesday, September 19th

9:00am

Single-site models

9:00am - 40min

Single-site rainfall generators: A look at some developments

Christian Onof, PhD | Imperial College London | United Kingdom

9:40am - 40min

Extending clustered point process-based rainfall models to a non-stationary climate

Jo Kaczmarek, PhD | Risk Management Solutions | United Kingdom

10:20am - 30min

A multi-ensemble approach for precipitation projections: a case study based on 5 rainfall generators and 160 climate model runs

Els van Uytven | KU Leuven - University of Leuven | Belgium

10:50am

Coffee break

11:30am

Resampling approaches

11:30am - 40min

Ensemble analogue downscaling of the twentieth century reanalysis over France for 140-year-long hydrological reconstructions

PhD Jean-Philippe Vidal | Irstea | France

12:10am - 30min

A resampling based multivariate space-time simulator

Sara Martino, PhD | sintef energy research | Norway

12:40am - 30min

SFRWG weather generator for hydrological applications: case studies for snow cover modelling and operational hydrological forecasting

Vsevolod Moreydo, PhD | Water Problems Institute of RAS | Russian Federation

1:10pm

Lunch

2:00pm

Multivariate models

2:30pm - 30min

Multivariate statistical modeling of compound events via pair-copula constructions: analysis of floods in Ravenna (Italy)

Emanuele Bevacqua | Karl-Franzens University Graz | Austria

3:00pm - 30min

A multivariate statistical model describing the compound nature of soil moisture droughts

Collin Manning | University of Birmingham | United Kingdom

3:30pm - 40min

Stochastic simulation of Sahelian storms. Recent developments and hydrological applications.

Theo Vischel, PhD | Institut des Géosciences de l'Environnement | France

4:30pm - 90min

Poster Session

7:30pm

conference dinner at Tomasa - Bäkestr. 15, 12207 Berlin

Wednesday, September 20th

9:00am

Space-time models for precipitation I

9:00am - 30min

Modeling Precipitation in Space and Time

Anastassia Baxevasi, PhD | University of Cyprus | Cyprus

9:30am - 30min

Daily spatio-temporal stochastic precipitation generator based on a censored and transformed latent Gaussian field

Komlan Kpogo-Nuwoklo, PhD | Free University of Berlin | Germany

10:00am - 30min

A non-stationary spatial weather generator for statistical modelling of daily precipitation

Pradeebane Vaittinada Ayar, PhD | IGE | France

10:30am

Coffee break

11:00am

Space-time models for precipitation II

11:00am - 40min

Sub-kilometer-scale space-time stochastic rainfall simulation

Lionel Benoit | University of Lausanne | Switzerland

11:40am - 30min

AWE-GEN-2d: An advanced stochastic weather generator for simulating 2-D high-resolution climate variables

Nadav Peleg | Switzerland

12:10am

Discussion, closing remarks (max. until 1:00pm)

1:00pm

Lunch and farewell