Schedule
HS8.1.6
Handling Uncertainties in Model Concepts, Parameters, Forcings and Forecasts: Diagnostics, Sensitivity, Inversion and

08:30	08:39	**Welcome and introduction**	
08:39	08:45	**Peter Reichert**, Lorenz Ammann, and Fabrizio Fenicia	**solicited:** Potential and Challenges of Investigating Intrinsic Uncertainty of Hydrological Models with Stochastic, Time-Dependent Parameters
08:45	08:51	**Gabriele Baroni** and Till Francke	A comprehensive global sensitivity analysis using generic sampling designs by means of a combination of variance- and distribution-based approaches.
08:51	08:57	**Valentina Svitelman**, Elena Saveleva, Peter Blinov, and Dmitrii Valetov	Uncertainty analysis tool as part of safety assessment framework: model-independent or model-tailored?
08:57	09:03	**Monica Riva**, Aronne Dell'Oca, and Alberto Guadagnini	Sensitivity analysis and the challenges posed by multiple approaches: a multifaceted mess
09:03	09:09	**Trine Enemark**, Luk Peeters, Dirk Mallants, and Okke Batelaan	Systematic hydrogeological conceptual model testing using remote sensing and geophysical data
09:09	09:15	**Charles Luce** and Abigail Lute	Applying Non-Random Block Cross-Validation to Improve Reliability of Model Selection and Evaluation in Hydrology: An illustration using an algorithmic model of seasonal snowpack
09:15	09:21	**Raphael Schneider**, Hans Jørgen Henriksen, and Simon Stisen	The CRPS - used as a robust objective function for groundwater model calibration in light of observation and model structural uncertainty
09:21	09:27	**Lisa Watson**, Judith Verstegen, Menno Straatsma, and Derek Karssenberg	Quantifying Uncertainty and Assessing Sensitivity in Global Mapping of Ecosystem Services
09:27	09:33	**Mara Meggiorin**, Giulia Passadore, Andrea Sottani, and Andrea Rinaldo	Understanding the importance of hydraulic head timeseries for calibrating a flow model: application to the real case of the Bacchiglione Basin

09:33	09:39	**Gabrielle Rudi**, Nathalie Lalande, Xavier Louchart, and Jean-StÃ©phane Bailly	Operational uncertainty and sensitivity analyses of a model assessing water catchment vulnerability to pesticides
09:39	09:45	**Anna E. Sikorska-Senoner**, Bettina Schaefli, and Jan Seibert	Navigating through extreme flood simulations with intelligently chosen parameter sets
09:45	09:51	**Mariaines Di Dato**, Rohini Kumar, Estanislao Pujades, Timo Houben, and Sabine Attinger	Evaluation of aquifer parameters at regional scale by spectral analysis of discharge time series
09:51	09:57	**Imane Farouk**, Emmanuel Cosme, Sammy Metref, Joel Gailhard, and Matthieu Le-Lay	Hydrological data assimilation using the particle filter in a semi-distributed model MORDOR-SD
09:57	10:03	**Sabine M. Spiessl** and Sergei Kucherenko	Comparison of two metamodeling approaches for sensitivity analysis of a geological disposal model
10:03	10:09	**Robin Schwemmle**, Dominic Demand, and **Markus Weiler**	Diagnostic efficiency - a diagnostic approach for model evaluation
10:09	10:15	**Falk Heße**, Lars Isachsen, Sebastian Müller, and Attinger Sabine	Bayesian Analysis of the Data Worth of Pumping Tests Using Informative Prior Distributions