



Monday 6		
12h00-14h00	Lunch	
Extremes	Chairman: Pierre Ailliot	
15h00-15h30	Pierre Riberau	Recognizing a Spatial Extreme dependence structure: A Deep Learning approach
15h30-16h00	Juliette Legrand	Evaluation of binary classifiers for asymptotically dependent and independent extremes
16h00-16h30	Noémie Le Carrer	Modelling space-time rainfall datasets by means of the extended Generalized Pareto Distribution and Generalized Additive Modelling
19h00	Dinner	
Tuesday 7		
Data Assimilation	Chairman: Anne Cuzol	
09h00-09h30	Alberto Carassi	Using machine learning in geophysical data assimilation
09h30-10h00	Matteo Zambra	A Learning-based Variational Inversion Framework for Corrupted Data and Forecast
10h00-10h30	Ronan Fablet	Learning Variational DA models and solvers with uncertainty quantification
10h30-11h00	Coffee break	
11h00-11h30	Jules Guillot	Physics Informed Model Error for Data Assimilation
11h30-12h00	Maximiliano Sacco	Machine-learning covariance estimation for sequential data assimilation
12h00-14h00	Lunch	
Machine learning	Chairman: Nicolas Raillard	
14h00-14h30	Soulivanh Thao	Combining Global Climate Models Using Graph Cuts
14h30-15h00	Romain Pic	Minimax Rate of Convergence for Distributional Regression using the Continuous Ranked Probability Score
15h00-15h30	Coffee break	
15h30-16h00	Julie Carreau	A spatially adaptative multi-resolution generative algorithm: application to downscale hydraulic fields
16h00-16h30	Said Ouala	Learning dynamical models from partial observations
19h00	Dinner	

Wednesday 8		
Climate	Chairman: Philippe Naveau	
09h00-09h30	Juliette Mignot	Exploring the parametric uncertainty of global warming simulations using history matching
09h30-10h00	Guillaume Bertolli	Building a physics-constrained, fast and stable machine learning-based radiation emulator
10h00-10h30	Constantin Bône	Detection and attribution of climate change with neural network methods
10h30-11h00	Coffee break	
11h00-11h30	Fabio d'Andréa	Process-based diagnostics of GCMs : Atmospheric blocking
11h30-12h00	Florian Sévellec	Assessing deep ocean diffusivity parameters for climate models from discontinuous and sparse observations using analogue method
12h00-14h00	Lunch	
Generators		
	Chairman: Valérie Monbet	
14h00-14h30	Lucia Clarotto	Simulation and inference of spatio-temporal models with the SPDE approach
14h30-15h00	Said Obrakim	Statistical and deep learning approach for downscaling the significant wave height
15h00-15h30	Antoine Doury	RCM-Emulators as a hybrid downscaling approach : Study of GCM transferability
16h00	Nautical Activities	
19h00	Dinner	
Thursday 9		
Uncertainties	Chairman: Pierre Tandeo	
09h00-09h30	Elise Arnaud	Parameter control in presence of uncertainties
09h30-10h00	Aurélien Ribes	Combining models and observations to assess past and future warming. Part I: method and global scale
10h00-10h30	Said Qasmi	Combining models and observations to assess past and future warming. Part II: implementation at the local scale
10h30-11h00	Coffee break	
11h00-11h30	Juan Ruiz	Analog Data Assimilation for the Selection of Suitable General Circulation Models
11h30-12h00	Pierre Le Bras	Data-driven data assimilation to improve climate projections: a case study with an idealized chaotic AMOC model
12h00-14h00	Lunch	