

Tuesday, 7

8h30-9h	Welcome + Coffee	
	Session Numerical methods	<i>Chairman: Laurent Debreu</i>
9h	Matthieu Brachet	Approximation pseudo-spectrale sur la Cubed Sphere
9h25	Guillaume Roulet	A geometric look at numerical transport
9h50	Gabriel Derida	Coordonnée verticale optimale pour une bonne représentation des ondes internes de gravité dans les modèles océaniques
10h15	Coffee	
11h	Ezra Rozier	Modelling internal tides using plane waves: a Plane Wave Discontinuous Galerkin method for the (linearized) rotating shallow water equations
	Session Data assimilation	<i>Chairman: Arthur Vidar</i>
11h25	Ieva Dauzickaite	Accelerating an ensemble of data assimilations
11h50	Olivier Goux	Accounting for correlated observation error in variational ocean data assimilation
12h15	Lunch	
14h	Maël Jaouen	Ensemble data assimilation in reproducing kernel Hilbert space family
14h25	Ehouam Simon	A kernel extension of the Ensemble Transform Kalman Filter
14h50	Gaël Le Ruz	Filtrage optimal sur des variétés : application aux problèmes de propagation de fronts
	Modelling	<i>Chairman: Noé Lahaye</i>
15h15	Quentin Jamet	Stochastic modelling for oceanic convection
15h40	Coffee	
16h10	Florian Sévellec	Oscillatory Nature of the Atlantic Multidecadal Oscillation in Observations
16h35	Gilles Tissot	Localised proper orthogonal decomposition
	Program Sun + discussions	
17h	Florian Lemarié	Présentation du Programme National "Sciences de la Terre et de l'Univers et du Numérique" (SUN)
18h	Cocktail dinner	

Wednesday, 8

8h30-9h	Welcome + Coffee	
	Session AI	<i>Chairman: Said Ouala & Maxime Beauchamp</i>
9h	Erwan Le Roux	Equation discovery for climate impact: symbolic regression to emulate impact models for unexplored climate trajectories
9h25	Julie Limonet	Machine learning strategies for subglacial lakes dynamics forecasting
9h50	Oscar Gauvrit	End-to-End Nomadic Ocean Forecasting: Bridging Compression, Assimilation, and Task-Specific Metrics using Deep Learning
10h15	Coffee	
11h	Workshop + discussions	IA+modelling ; IA+data assimilation ; IA+uncertainties
12h15	Lunch	
14h15	Erwan Oulhen	Reconstructing historical salinity fields over the 20th century using a data-driven method and Argo data
14h35	Jordan Ramassay	Auto-differentiable ensemble Kalman filters with adaptive inflation
14h55	Etienne Meunier	Modèle génératif contraint pour la génération d'états océaniques
15h15	Daria Botvynko	Benchmarking of short-term neural forecasts of ocean surface dynamics
15h35	Anass El Aouni	(Mercator Ocean)
16h05	Coffee	
16h30	Tom Beucler	TCBench: A benchmark for tropical cyclone track and intensity forecasting at the global scale
17h30	Presentation of the Ocean & Atmosphere AI Initiative	Poster session
18h	Cocktail dinner	