ClimEx Final Workshop - Program

24 - 25 March 2025, Brest, France

Organized by Ifremer/LOPS

With support from ANR (French National Research Agency)

How extreme sea levels are changing in a warming climate?

Day 1 - Monday 24 March 2025

13:30 - 14:00	*Welcome Coffee*
14:00 - 18:00	**SESSION 1: CHANGES IN EXTREME SEA LEVELS**
14:00 - 14:30	**Overview of the ClimEx project** Lucia Pineau-Guillou & ClimEx Core Team
14:30 - 15:00	**A secular sea level hindcast (1900-2015) to investigate changes in extreme surges in the North Atlantic** Julie Cheynel, Lucia Pineau-Guillou, Pascal Lazure, Marta Marcos, Florent Lyard, Nicolas Raillard
15:00 - 15:30	**Winter storm surge event long-term variability in the North Atlantic** Simon Barbot, Lucia Pineau-Guillou, Jean-Marc Delouis
15:30 - 16:30	*Coffee break*
16:30 - 17:00	**Shift of the storm surge season in Europe due to climate variability** Jean-Baptiste Roustan, Lucia Pineau-Guillou, Bertrand Chapron, Nicolas Raillard, Markus Reinert
17:00 - 17:30	**Introducing novel mathematical methods to better understand sea level extremes** Théophile Caby, Lucia Pineau-Guillou, Florian Sévellec, Jean-Marc Delouis
17:30 - 18:00	**Detection and attribution: a data analysis challenge** Bertrand Chapron et al.
18:00 - 19:00	*Cocktail*

Day 2 - Tuesday 25 March 2025

08:30 - 09:00	*Welcome Coffee*
09:00 - 12:30	**SESSION 2: SEA LEVEL PROCESSES, FROM OBSERVATIONS TO CLIMATE MODELLING**
09:00 - 09:30	**ClimEx field campaign: measurements of sea level & waves during 2023-2024 winter** Lucia Pineau-Guillou, Pascal Lazure, Stéphane Leizour
09:30 - 10:00	**Sea level rise along the North Atlantic coasts since 1900** Blandine Jacob, William Llovel, Lucia Pineau-Guillou, Virginie Thierry
10:00 - 10:30	**Significance and origin of salinity contribution to regional sea level trends in the Pacific ocean over 2014-2023** William Llovel
10:30 - 11:00	*Coffee Break*
11:00 - 11:30	**Extreme sea levels and wave setup at Mayotte and La Réunion in the framework of PPR FUTURISKS** Xavier Bertin
11:30 - 12:00	**Sea level rise and non-linear changes to extreme wave-runup characteristics** Stefan Talke

12:00 - 12:30	**Extremes using a large ensemble of climate models**
	Marta Marcos
12:30 - 14:00	*Lunch*
14:00 - 15:00	**SESSION 3 (internal to the project)**
14:00 - 15:00	ClimEx Advisory Committee
15:00	Closing