

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	<i>Welcome Coffee</i>
14:00 - 18:00	SESSION 1: CHANGES IN EXTREME SEA LEVELS
14:00 - 14:15	Introduction to the workshop Lucia Pineau-Guillou
14:15 - 14:45	Overview of the ClimEx project Lucia Pineau-Guillou & ClimEx Core Team
14:45 - 15:15	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
15:15 - 15:45	Winter storm surge event long-term variability in the North Atlantic Simon Barbot, Lucia Pineau-Guillou, Jean-Marc Delouis
15:45 - 16:30	<i>Coffee break</i>
16:30 - 17:00	Shift of the storm surge season in Europe due to climate variability Jean-Baptiste Rouston, 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	<i>Cocktail</i>

Day 2 - Tuesday 25 March 2025

08:30 - 09:00	<i>Welcome Coffee</i>
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, Antoine Hochet
10:30 - 11:00	<i>Coffee Break</i>
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