

OS1.5 : CHAOTIC VARIABILITY AND MODELLING UNCERTAINTIES IN THE OCEAN: TOWARDS
PROBABILISTIC OCEANOGRAPHY

WEDNESDAY : 16:15 - 18:00 : TENTATIVE SCHEDULE FOR THE CHAT (Public on EGU
website)

12 minutes for highlighted talk (Sinha et al)

7 minutes for all other talks

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16:15 - 16:18 SESSION INTRODUCTION

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16:20 - 17:00 FORCED AND CHAOTIC OCEAN VARIABILITY

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01. D2581 | EGU2020-7226 | HIGHLIGHT → 12 min

Quantifying uncertainty in decadal ocean heat uptake due to intrinsic ocean variability.

Bablu Sinha, Alex Megann, Thierry Penduff, Jean-Marc Molines, and Sybren Drijfhout

02. D2582 | EGU2020-5689 → 7 min

Forced and chaotic variability of interannual variability of regional sea level and its causes scale over 1993-2015.

Alice Carret, William Llovel, Thierry Penduff, Jean-Marc Molines, and Benoît Meyssignac

03. D2592 | EGU2020-2737 → 7 min

Forced and chaotic variability of basin-scale heat budgets in the global ocean: focus on the South Atlantic crossroads.

Thierry Penduff, Fei-Er Yan, Imane Benabicha, Jean-Marc Molines, and Bernard Barnier

04. D2583 | EGU2020-19875 → 7 min

Year-to-year meridional shifts of the Great Whirl driven by oceanic internal instabilities

Kwatra Sadhvi, Iyyappan Suresh, Izumo Takeshi, Jerome Vialard, Matthieu Lengaigne, Thierry Penduff, and Jean Marc Molines.

05. D2584 | EGU2020-20309 → 7 min

Deconstructing the subtropical AMOC variability.

Quentin Jamet, William Dewar, Nicolas Wienders, Bruno Deremble, Sally Close, and Thierry Penduff

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17:00 - 17:25 OCEAN PROCESSES AND PARAMETERIZATIONS

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06. D2586 | EGU2020-21330 → 7 min

Eddy-Mean flow oscillations in the Southern Ocean.

Sebastiano Roncoroni and David Ferreira

07. D2585 | EGU2020-22418 → 7 min

On wind-driven energetics of subtropical gyres.

William K. Dewar, Quentin Jamet, Bruno Deremble, and Nicolas Wienders

08. D2587 | EGU2020-11312 → 7 min

Stochastic Advection for eddy parameterisation in Primitive Equation Models.

Stuart Patching

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17:25 - 17:50 OCEAN MODELLING UNCERTAINTIES

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09. D2589 | EGU2020-11127 → 7 min

Ensemble quantification of short-term predictability of the ocean fine-scale dynamics: a western mediterranean test case at kilometric-scale resolution.
Stéphanie Leroux, Jean-Michel Brankart, Aurélie Albert, Pierre Brasseur, Laurent Brodeau, Julien Le Sommer, Jean-Marc Molines, and Thierry Penduff

10. D2590 | EGU2020-6489 → 7 min
Predictability of estuarine model using Information Theory: ROMS Ocean State Ocean Model
Aakash Sane, Baylor Fox-Kemper, David Ullman, Christopher Kincaid, and Lewis Rothstein

11. D2591 | EGU2020-6000 → 7 min
Impact of Atmospheric and Model Physics Perturbations On a High-Resolution Ensemble Data Assimilation System of the Red Sea
Siva Reddy Sanikommu, Habib Toye, Peng Zhan, Sabique Langodan, George Krokos, Omar Knio, and Ibrahim Hoteit

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17:50 - 18:00 OPEN DISCUSSION - CLOSING THE SESSION
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