

Live Webinar agenda of virtual EGU OS4.8 Session Thursday 7 May 2:00 - 3:45

Connection information:

The live webinar is a zoom session, link for connection:

<https://us02web.zoom.us/j/81664520367?pwd=MDE5THI0bTNXeDB0R0NoTVVsbkt oZz09>

To facilitate the chairperson's work, if you intend to join the webinar, please register here:

<https://framaforms.org/virtual-egu-os48-session-1587740583>

General organisation:

Each subsession will be organised in two parts: during the first part of the subsession, each display will be presented by its author using its summary slide (2 minutes per display). The second part will be open for questions and discussion of displays of the subsession. The chairpersons will explain details (how to ask questions,...) at the beginning of each subsession.

2:00 - 2:30 : Subsession 1 : Methods, new features in the model

Chair & co-chair: Mike Bell - Dorotea Iovino

D2824 IEGU2020-16204 An evaluation of the mixed precision version of NEMO 4.0.1 Oriol Tintó , Stella Valentina Paronuzzi Ticco, Mario C. Acosta, Miguel Castrillo, Kim Serradell, and Francisco J. Doblas-Reyes
D2819 IEGU2020-5618 VENM: An Algorithm to Accurately Calculate Neutral Slopes and Gradients Sjoerd Groeskamp , Paul Barker, Trevor McDougall, Ryan Abernathey, and Stephen Griffies
D2821 IEGU2020-18680 An atmospheric boundary layer model to improve air-sea interactions in eddying ocean models Guillaume Samson , Florian Lemarié, Théo Brivoal, Romain Bourdallé-Badie, Hervé Giordani, Jean-Luc Redelsperger, and Gervan Madec
D2818 IEGU2020-3390 A parameterization of local and remote tidal mixing Casimir de Lavergne , Clément Vic, Gervan Madec, Fabien Roquet, Amy Waterhouse, Caitlin Whalen, Yannis Cuypers, Pascale Bouruet-Aubertot, and Toshiyuki Hibiya
D2829 IEGU2020-9732 Refactoring the Memory Access Pattern to Improve Computational Performance in NEMO Italo Epicoco, Francesca Mele , Silvia Mocavero, Marco Chiarelli, Alessandro D'Anca, and Giovanni Aloisio

2:30 - 3:00 Subsession 2 : Assessment of a parametrization, biases

Chair & co-chair: Julien Le Sommer - Claire Lévy

D2822 IEGU2020-19890 A new data-driven subgrid 2d turbulence parameterization and comparison with conventional kinetic energy backscatter parameterizations in NEMO ocean model
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Pavel Perezhogin
D2825 IEGU2020-7225 Implementation and assessment of a flux-limiter based wetting and drying scheme Enda O'Dea, Mike Bell , Andrew Coward, and Jason Holt
D2827 IEGU2020-22177 The impact of a parameterisation of submesoscale mixed layer eddies on mixed layer depths in the NEMO ocean model Daley Calvert, George Nurser, Mike Bell , and Baylor Fox-Kemper
D2837 IEGU2020-9591 Ocean sensitivity to bulk formulae parameterization: a NEMO-ORCA025 model study Giulia Bonino , Dorotea Iovino, and Simona Masina
D2840 IEGU2020-22192 Eddy-Diffusivity Mass-Flux Parameterization: A Approach to unify Diffusion and Convection in Ocean Models Romain Bourdallé-Badie , Hervé Giordani, and Gurvan Madec

3:00 - 3:20 Subsession 3 : Applications

Chair & co-chair: Dorotea Iovino - Julien Le Sommer

D2833 IEGU2020-22147 Overview of the first year of the NEMO global 1/36° configuration (ORCA36) development Clement Bricaud and Miguel Castrillo
D2839 IEGU2020-18908 Climate scenarios of the Gulf of Bothnia using a high-resolution regional ocean model (NEMO-SCOBI) Sam Fredriksson , Simo Siiriä, Annu Oikkonen, Petra Roiha, Jani Särkkä, Robinson Hordoir, Anders Höglund, Jenny Hieronymus, Kari Eilola, Itzel Ruvalcaba Baroni, and Lars Arneborg
D2838 IEGU2020-11444 Antarctic Circumpolar Current Biases in a hierarchy of HadGEM3-GC3.1 Models Tomas Jonathan, Helen Johnson, David Marshall, Mike Bell, and Patrick Hyder
D2820 IEGU2020-16602 Seasonal dynamics of mesopelagic organic particles in the subpolar North Atlantic. Learning from the crosstalk between biogeochemical Argo float measurements and PISCESv2 simulations Martí Galí , Marcus Falls, and Raffaele Bernardello

3:20 - 3:40 Subsession 4 Exchanging on perspectives for ocean numerical models

Chair & co-chair: Claire Lévy & Jérôme Chanut

D2835 IEGU2020-22213 The NEMO (Nucleus for European Modelling of the Ocean) numerical ocean platform Guillaume Samson , Claire Levy, and Nemo System Team
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Open discussion on feedbacks from all on NEMO, expectations for the future...

3:45: Closing of the session