

EGU session OS2.5

Advances in understanding of the multi-scale and multi-disciplinary dynamics of the Southern European Seas (Mediterranean and Black Sea)

Convener: Gianmaria Sannino | Co-conveners: Arthur Capet, Vanessa Cardin, Alejandro Orfila, Katrin Schroeder

Session OS2.5: General Rules for chatting

Attendance time: Monday, 04 May 16:15–18:00

- During the attendance time we will discuss the displays following the Topic Order shown below.
- Authors are kindly invited to **prepare a 1-2 sentence** summary in advance which you can paste in when your display is called up for discussion by the chairman.
- Each display is allowed for **4 minutes**
- Please follow the nickname guidelines (name + affiliation + role. Example John Smith Univ. ** [Author/Attendee])
- Cite a previous chat post through copy-and-paste.
- When replying to a specific comment or question please clarify which comment you are addressing by referring to the originator's nickname. Example: @JohnSmith please name your model used.

Schedule :

- Introduction to session (16.15-16.17)
- Basin-scale dynamics, water-masses and exchanges between them (16.17-17.00)
- Coastal Dynamics & Societal Concerns (17.00-17.25)
- Observing Systems & Specific Processes (17.25-18.00)

Color code in the following slides :

- Display available or confirmed
- No answer yet
- Display will not be sent (those will not be addressed during chat session)

Basin-scale dynamics, water-masses and exchanges - (16.17-17.00)

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|-------|------------------------------------|---|
| D2828 | Ettore Salusti | <u>New insights on bottom water flows crossing a marine sill under periodic or impulsive perturbations: an application to the Sicily Channel sill (Central Mediterranean Sea)</u> |
| D2811 | Alan Matthews | <u>Fe isotope and Fe speciation study of water column redox dynamics during Eastern Mediterranean sapropel events S5 and S7</u> |
| D2832 | Remi Pagès | <u>Impact of changes in rivers inputs during the last decades on the biogeochemistry of the eastern Mediterranean basin</u> |
| D2823 | Milena Menna | <u>Trends and interconnections of physical parameters in the upper layer of the Mediterranean Sea</u> |
| D2824 | Quentin-Boris Barral | <u>Analysis of specific water masses transports in the Western Mediterranean in the MEDRYS1V2 twenty-one-year reanalysis</u> |
| D2827 | Ester Garcia-Solsona | <u>Rare Earth Elements and Nd isotopes as tracers of modern ocean circulation in the central Mediterranean Sea</u> |
| D2818 | Apostolia-Maria Mavropoulou | <u>Basin scale dissolved oxygen interannual variability of the Mediterranean Sea: Analysis of long-term observations</u> |

Coastal Dynamics & Societal Concerns - (17.00-17.25)

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| D2833 | Carlo Brandini | <u>Coastal climatology of the North-Western Mediterranean area for long-term and short-term risk assessment</u> |
| D2809 | Mohammed Ayache | <u>A new estimation of water and nutrients (N & P) discharge to the Mediterranean Sea from the LPJmL model: modelling the dynamics of the land-sea nutrient transfer</u> |
| D2810 | Sofia Darmaraki | <u>Mediterranean Marine heatwaves: On the comparison of the physical drivers behind the 2003 and 2015 events</u> |
| D2813 | Diana Mance | <u>Coastal groundwater stable isotope composition as predictor and measure of marine pollution</u> |
| D2826 | Antonio Guarnieri | <u>Modelling sediment resuspension and transport induced by ships propellers in ports – the study case of the Port of Genoa</u> |
| D2831 | Yannis N. Krestenitis | <u>Circulation patterns and eutrophication phenomena in the Thermaikos Gulf</u> |

Observing Systems & Specific Processes - (17.25-18.00)

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| D2806 | Aida Alvera-Azcarte | <u>Multiplatform analysis of a large anticyclonic eddy in the Algero-Provencal basin in 2019</u> |
| D2808 | Marine Fourrier | <u>New insights into nutrients dynamics and the carbonate system using a neural network approach in the Mediterranean Sea</u> |
| D2816 | Leonardo Langone | <u>The South Adriatic observatory: towards a multidisciplinary seafloor and water column research infrastructure</u> |
| D2819 | Tiziana Ciuffardi | <u>A new multidisciplinary observatory in the Eastern Ligurian Sea (NW Mediterranean Sea): a combination of deep-sea and coastal measurements</u> |
| D2820 | Arthur Capet | <u>Biogeochemical controls on the Black Sea oxygen dynamics : relevant diagnostics, key processes and adequacy of the monitoring infrastructure.</u> |
| D2817 | Roy El Hourani | <u>A neural-based bio-regionalization of the Mediterranean Sea using satellite and Argo-float records</u> |
| D2825 | Georges Baaklini | <u>Mesoscale Activity in the Eastern Mediterranean: Blending Altimetry with in situ observations</u> |

Abstracts for which displays will not be available

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|-------|---------------------------------|---|
| D2834 | Evan Border | Offsets and inputs of natural uranium isotopes in the Mediterranean Sea |
| D2804 | Verónica Morales Márquez | Wind and wave effects on surface currents in the Mediterranean Sea |
| D2805 | Annunziata Pirro | The analytical model of McCartney applied in the eastern Levantine basin: formation of the Cyprus eddy and associated sub-basin and mesoscale features |
| D2807 | Estrella Olmedo | Sea Surface Salinity trends in the Mediterranean and Black Seas from 10 years of SMOS measurements |
| D2815 | Elena Mauri | Recent changes of the salinity distribution in the South Adriatic |
| D2821 | Jean Claude Dutay | Acidification in the Mediterranean Sea following a transient climate change scenario simulated with a high-resolution regional model |
| D2814 | Mirna Batistić | On the relationship between the vertical distribution-migration of zooplankton and the organic carbon flux, before, during and after convective events, in the open southern Adriatic Sea |
| D2829 | Naomi Krauzig | Long-term assessment of surface dynamics in the Tyrrhenian Sea |
| D2812 | Alejandro Orfila | Small scale transport processes from HF-Radar |
| D2822 | Riccardo Martellucci | Deep winter ventilation dynamics in the south Adriatic convection area from in situ glider observations and model output |

Tips and hints for using the chat (see [How to use the chats](#))

- Please use recent versions of Chrome or Firefox for Windows, MacOS, or Linux, as well as Safari for MacOS. On mobile devices, use Chrome for Android and Safari for iOS.
- Pay specific attention to convener posts shown in light-red (other posts are grey).
- Add line breaks with SHIFT+ENTER when writing.
- Adjust the font size of the chat, if necessary.
- New posts auto-scroll to the bottom of the chat by default but you can lock the scrolling.
- Consider using the chat in full-screen mode.
- Please use the same device (e.g. notebook, smartphone, or PC) with the same browser for the entire **EGU2020: Sharing Geoscience Online** week. Switching devices and/or browsers will not allow you to re-enter any **EGU2020** chat channel with your original nickname.