Application Deadline: 30 October 2017

Title	Copernicus marine data in ocean models and for operational applications
Dates & Location	15 – 26 January 2018 Online 5 – 9 February 2018 BSH, Hamburg, Germany
Event Description	The key objective of this Workshop is to: - Select appropriate data and/or products from the ocean related Copernicus data providers and Services, for tasks in the fields of a) Ocean / Earth System Modelling and b) Operational Ocean Applications. The variables addressed will be SST, wind/stress, altimetry, sea ice, ocean colour, and related products. - Apply these data / products in a) Ocean and Earth System Modelling b) Operational tasks - Discuss applications of Copernicus Marine Data and Products with other experts in the area.
Expected Learning Outcomes	Participants will learn: - What Copernicus Data Providers and Services exist and how they interact - What Ocean related data / products are provided by the data providers and services (variables and their exact definition, timeliness, resolution, data format, spatial coverage). The variables addressed will be SST, wind/stress, altimetry, sea ice, ocean colour, and related products. - To access / download data and products provided in the EUMETSAT Copernicus Marine Data Stream (CODA, EUMETSAT Data archive, EUMETCast) and by the Copernicus Marine Environment Monitoring Service (CMEMS). - To work with data from the EUMETSAT Copernicus Marine Data Stream and CMEMS products in a) Ocean / Earth System Models b) SNAP and GIS - How other experts in the area are using/intend to use Copernicus Marine Data and Products. - About interfaces between the marine service with other Copernicus services such as land, atmosphere, and climate-monitoring services.
Target Audience	The workshop is dedicated to Ocean / Earth System Modellers and users interested in Copernicus data for operational applications. Participants should have working experience in either

	a) at least one of the programming languages: FORTRAN, C, C++, R, Python b) SNAP or GIS. We invite a) (early career) scientist with working experience in Ocean / Earth System Modelling b) users interested in Copernicus data for operational ocean / marine applications The deadline for registration is **Monday, 30 October 2017**. Unfortunately, applications cannot be accepted after this date.
Selection process	As the number of participants is limited to 50, applications can only be accepted if the online questionnaire is completed. The selection will be based on the qualification, motivation and the estimated potential of the participant to use Copernicus Marine Data / Products. The selected participants will be informed about their acceptance no later than Wednesday, 15 November 2017. Limited financial support is available upon request. Please indicate on the application form if financial support is required.
Format	This is a blended course, composed of a 2 weeks online phase and a 5 day face-to-face phase. During the online phase, basic information will be provided, which are helpful during the face-to-face workshop. *For ocean modellers, it is highly recommended to reserve approximately 10 hours per week to engage with the content!* The face-to-face phase will be composed of interactive discussions, group work, and practical exercises.
Language	The course language is English.
Registration	To attend the event, confirmation is required and must be made through http://training.eumetsat.int/course/view.php?id=158 , **Monday 30 October 2017**.
Costs	For the Workshop phase, the organizers can support a limited number of participants with travel and/or subsistence, this must be indicated at the time of application. There is no event fee. Lunch will be provided. Participants are expected to bring their own laptops! The number of participants is limited to 50. Travel and Medical Insurance: the participants are advised to have personal travel and medical insurance. The organizers cannot accept responsibility for any incident during the Workshop.

Registration Deadline	**Monday, 30 October 2017**
Contact	Copernicus.training@eumetsat.int (for the modelling part) copernicus@bsh.de (for the operational applications part)

In order to apply to the course please go to the EUMETSAT Training Zone http://training.eumetsat.int/:

1. Click on "Apply for Courses" on the upper-right menu;
2. If you already have an account please enter your username and password to log in and if you don't have one please create a new user clicking on the hyperlink "Create an account" and follow the procedure. Once the account has been created please log in;
3. Click on the "Enroll me" button to access to the "Apply for Courses" page. Please note that in case you have already applied to one of our courses you will skip the enrolment step and you will access directly to the "Apply for Courses" page;
4. Choose the course you want to apply and using the hyperlink below it, fill in and submit the application form.

If you have any problems, please contact the Training Team for assistance copernicus.training@eumetsat.int for the modelling course and copernicus@bsh.de for the operational-applications course.