



Validation of the surface forcing supporting the Mediterranean ocean forecasting systems

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Within the framework of the Copernicus program in general, one of the main goals is to provide to the European countries with independent and accurate means to observe the earth and its environment. The present work focuses on the evaluation of the atmospheric modeled outputs used for the operational ocean forecasting systems in the Mediterranean. In particular, different observational sources are quality controlled and organized in a data base by means of predefined criteria that take into account:

1. The continuity of the data sets
2. The data quality control applied by the provider operator
3. The data delivery time

The selected available operational data sets are pre-processed and utilized for the validation of model results by means of a variety of statistical indexes providing information for possible systematic or not deviations, the quantification of the corresponding uncertainty and the potential impact of extreme values/cases.