



## Overview and progresses of the SeaDataNet regional climatologies

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In the frame of the SeaDataNet project, a set of regional climatologies for temperature and salinity has been developed by the different regional groups. The data used for these climatologies are distributed by the SeaDataNet data centres.

These climatologies have several uses: 1. The detection of outliers by comparison of the in situ data with the climatological fields; 2. The optimization of locations of new observations; 3. The initialization of numerical hydrodynamic model; 4. The definition of a reference state to identify anomalies and to detect long-term climatic trends.

These climatologies are produced with the help of the Data Interpolating Variational Analyis (DIVA) software.

Here we present the latest developments in the regional climatologies along with the choice of parameters by the different groups.