



## **Bay of Biscay's temperature and salinity climatology**

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Bay of Biscay climatology is the synthesis of all the in situ data collected in the zone of the bay of Biscay as far as 15°W, in the 20th century, principally by the IFREMER, SHOM, and WDCA (about 100 000 stations on T and/or S, during the period 1862-2006). It shows monthly information on temperature and salinity through the whole water column with a 1/10 degree resolution. The resulting atlas was produced by an optimal analysis. This optimal analysis had the particularity of reflecting different scales: shelf and abyssal plain. A fine scale on the coast reveals all the local effects, including plume and upwelling and a large scale on the shelf where a slower signal is obtained due to the large scale circulation.