Analysis of bottom pressure in the Mediterranean Sea

The boursary considers the analysis of bottom pressure measurements in the Mediterranean Sea from the Antares Observatory. The main aim is to identify different frequency variabilities of the sea bottom pressure. The observed data have been collected in an area of 180x180 m**2. Three observational time series will be analyzed from 1 January 2009-31 December 2018.

For the first two months the training will involve the learning of filtering procedures, spectral analysis and detrending. Following this period the interpretation of the bottom pressure will continue using other data sets, such temperature and salinity in the water column. Dominant fluctuations and their frequencies will be analyzed in details.

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Bottom pressure measurements, Mediterranean Sea, data filtering and frequency analysis.