

JRC Dataset

EMIS - MODEL Monthly climatology Salinity of the Bottom Layer (in psu)

Description:

Monthly climatology bottom layer salinity derived from the different GETM hydrodynamic model implementations for EU regional seas. The bottom layer is defined as the last vertical layer of GETM. Its thickness varies with total water depth and with topographic irregularities.

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Keywords:

Bottom layer salinity, Environmental monitoring facilities, GETM hydrodynamic model, GIS digital format, Oceanographic geographical features, Protected sites, climate change, coastal environment, environmental data, marine environment, marine monitoring, sea water protection

Related resources:

Data access

EMIS - Download access (EMIS_L_SBOT)

Direct NetCDF download

<http://emis.jrc.ec.europa.eu/model/climatology/>

Additional information:

Last Modified: 2013-06-11

Issue date: 2016-08-10

Landing page: <http://emis.jrc.ec.europa.eu/>

Temporal coverage: From: 1997-03-01 – To: 2012-05-31

Language: English

Data theme(s): Environment

EuroVoc domain(s): 36 SCIENCE; 52 ENVIRONMENT

EuroVoc concept(s): environmental monitoring; ocean; oceanography; protected area

Identifier: <http://data.europa.eu/89h/531feabf-80a8-4d4e-80e2-b1ba74bc5400>

Geographic information:

Lineage: General information: Monthly climatology bottom layer salinity derived from the GETM hydrodynamic model results. GETM solves the three-dimensional hydrostatic equations of motion applying the Boussinesq approximation and the eddy viscosity assumption (Burchard and Bolding, 2002). A detailed description of the GETM equations could be found in Stips et al. (2004) and at <http://www.getm.eu>. GETM has been successfully applied to different EU regional seas including the Baltic (Lessin et al., 2014), North Sea (Stips et al., 2004), Mediterranean (Macias et al., 2013; 2014a and 2014b) and the Black Sea (Miladinova et al., 2015). Other contextual information: The product is stored in NetCDF data and available for download.

Geographic bounding box: 70.0° N, 42.0° E, 10.0° S, -30.0° W

Coordinate Reference System: ETRS89