

**Baltic-C\_Meta-Data-Set: Loads of carbon deposited to sediments and return flux of carbon from sediments for the entire Baltic Sea established (D20, delivery month 24)**

1.) General description of the data set:

Data set of the calculated carbon loads to the bottom sediments and carbon return flux from sediments to water column

2.) Created:

April 2009;

3.) Last update:

December 2010;

4.) Keywords:

C<sub>org</sub> accumulation rates, DOC return flux, DIC return flux, <sup>210</sup>Pb, <sup>137</sup>Cs, humidity, loss on ignition, porosity;

5.) Area:

Arkona Deep, Gotland Deep, Bornholm Deep, Gdansk Deep, Gulf of Bothnia,;

6.) Spatial extension:

sampling performed at Baltic Sea deeps;

7.) Spatial resolution:

Baltic Sea deeps - 5-20 nautical miles, coastal areas - 15-30 nautical miles;

8.) Time window:

January 2009, March 2009, May 2009, October 2009, April 2010, June 2010;

9.) Temporal resolution:

10.) Data and arrays:

longitude, latitude, salinity, temperature, C<sub>org</sub>, DOC, DIC, <sup>210</sup>Pb, <sup>137</sup>Cs, humidity, loss on ignition, porosity;

11.) Reference to other data sets:

No

12.) Data quality (degree of validation):

Validated

13.) Where to find the data?

Data are available through the contact person;

14.) Contact person:

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