

## **BalticC\_MarineData: Cruise MERIAN 2008 summer**

### 1.) General description of the data set:

Data set of total CO<sub>2</sub>, total alkalinity (in some cases), O<sub>2</sub>, H<sub>2</sub>S, nutrient concentrations, temperature and salinity from vertical profiles from several stations of the Baltic Sea from the Kattegat to the Bothnian Bay

### 2.) Created:

06/2009

### 3.) Last update:

01/2010

### 4.) Keywords:

Baltic Sea, vertical profiles, total CO<sub>2</sub>, alkalinity, nutrients

### 5.) Area:

Baltic Sea (Kattegat to Gulf of Bothnia, Gulf of Finland)

### 6.) Spatial extension:

Longitude: 10.8 – 26.6 E

Latitude: 54.3 – 65.4 N

### 7.) Spatial resolution:

Horizontal see station map

Vertical: every 10 to 20m from surface to bottom

### 8.) Time window:

18.06.-14.07.2008

### 9.) Temporal resolution:

Usually one vertical profile per station during the cruise

### 10.) Data and arrays:

Temperature, salinity, total alkalinity, total CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>S, NH<sub>4</sub>, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SiO<sub>4</sub>

### 11.) Reference to other data sets:

No

### 12.) Data quality (degree of validation):

Validated

### 13.) Where to find the data?

Data are stored in the Baltic-C data base and are available through the contact person;

