

Description of downloadable datasets

The coastMap campaign database provides datasets in two different formats, comma separated value and shapefile.

When downloading the datasets, you are agreeing to comply with the coastMap [data policy and disclaimer](#). You are also agreeing to the following citation guidelines:

- For all data points with a Digital Object Identifier (DOI): Observe the citation remarks specified with the DOI.
- For all data points without a DOI: Properly identify the author given with each data value when citing the data.
- Required citation remark for all data points: Data were retrieved from the coastMap Geoportal (www.coastmap.org) under [CC BY-NC 4.0](#) license.

After filtering the available data, you can download either all parameters or individual parameter groups. The resulting datasets will always have the same column headings. The following list explains the meaning of each heading.

Table 1: coastMap campaign database column headings and their descriptions

Column heading	Description
FID	Field Identifier. Integer field. A unique value specifying which data value was downloaded.
DATAVALUE	The downloaded data value. Text field. The data value uses a dot as the decimal separator. See ORIGINAL_DATA for more information.
PARAMETER	The parameter for which the data value was measured. Text field.
UNITNAME	The unit in which the data value was measured. Text field.
METHOD	Method used to measured the parameter. Text field.
LAT	Latitude in decimal degrees at which the sample was collected. Decimal field.
LON	Longitude in decimal degrees at which the sample was collected. Decimal field.
CAMPAIGN	Campaign code of campaign during which sample was collected. Text field.
DATA_DATETIME	Date and time during which sample was collected. Datetime field. The time stamp is always in UTC (Coordinated Universal Time).
DOI	Digital Object Identifier. Text field. Optional. If a Digital Object Identifier exists for a dataset including that data point, it is provided in this column.
NAME	Names of scientists that measured the data point. Text field. The first author is the responsible person for the individual data point.
INSTITUTE	Research institute, university or company affiliated with the responsible author given in the column NAME. Text field.
ORIGINAL_DATA	The data value and unit in which the individual data point was submitted. Text field. In order to more easily compare and

	visualize the data, this value is mapped to a common unit for each parameter and provided in the field DATAVALUE.
QUALITY_INFO	Quality information of the data point. Text field. Optional. Possible information provided are the standard deviation, uncertainty, limit of detection, limit of quantification, quality assessment and quality flag. The units of quality information are the same as given in the column ORIGINAL_DATA.
SAMPLENAME	The name of the sample to which the data value belongs. Text field.
PROJECTS	Projects to which the data value is associated. Text field.
MEASUREMENT_DEPTH	Water depth in units of meters, sediment depths in units of centimeters or atmosphere height in units of meters at which the data value was collected. Text field. Optional.
PARAMETER_SITE_NAME	Parameter site at which sample was collected. Text field. Possible values are sediment, water, pore water, atmosphere and suspended particulate matter.
PARAMETERSUBGROUP_NAME	Parameter subgroup name to which the parameter in the column PARAMETER is associated. Text field. Data sets can be downloaded grouped by this column.
PARAMETER_GROUP_NAME	Parameter group name to which the parameter in the column PARAMETER is associated. Text field.
PARAMID	Parameter identifier. Integer field. Internal use only.
SURVEY_DATAID	Data value identifier. Integer field. Please provide this value if you have specific questions to a data point.
STATIONID	Station identifier. Integer field. Internal use only.
PARAMETERSUBGROUPID	Parameter subgroup identifier. Integer field. Internal use only.
GEOM	Provides the point coordinates at which sample was collected. Geometry field.

Quality flag (according to SeaDataNet)

An integer value giving the quality of the measurement. The following values are possible:

- **0: No quality control:** No quality control procedures have been applied to the data value or the status is unknown. This is the initial flag for all data values entering the database where either the status is unknown or no standard deviation or DOI is available.
- **1: Good value:** Good value means data values fulfill one of the following criteria: a) data do have sufficient meta data information (time, space, depth information), clean tubes, consistency check against turbidity/transmission, all corrections possible, reliable persons involved or b) data do have sufficient meta data information (time, space, depth information) and was proved by either graphical range checks, a standard deviation, further uncertainty description or a digital object identifier (DOI).
- **2: Probably good value:** Probably good means not all circumstances of sampling and/or lab work can be recovered.
- **3: Probably bad value:** Probably bad, but correctable; significant problems are likely; there is hope to recover the faults.

- **4: Bad value:** Bad and not correctable (e.g. Autosampler tube dirty for first sample).
- **6: Value below detection:** The level of the measured phenomenon was too small to be quantified by the technique employed to measure it. The accompanying value is the detection limit for the technique or zero if that value is unknown.
- **8: Interpolated value:** This value has been derived by interpolation from other values or re-calculations.

Frequently asked questions

Why is the data set jumbled?

- If your operating system expects a comma as the decimal separator, you may see unexpected values when opening the csv file. The problem is known for Microsoft Excel. If you are having problems, please use a different program to view the file instead or open the file in Microsoft Excel while using the import tool for csv files.

How can I submit my own data?

- Please contact Linda Baldewein at linda.baldewein@hzg.de. A data submission form will be provided to you including all necessary details.

Are the datasets quality checked?

- All provided quality information is given in the column QUALITY_INFO. Please contact the responsible author if you have any further questions regarding the data quality.