Helcom metadata catalogue

# Heavy metals - cadmium (Cd)

This core indicator evaluates the status of the marine environment based on concentrations of heavy metal cadmium (Cd) in seawater, mussels and sediments. Quantitative thresholds are used to evaluate if core indicators status is Good, Not good or Not assessed. Threshold values are based on Environmental quality standards (EQS), defined at EU level for substances included in the priority list under the Water Framework Directive.

This dataset displays the result of the indicator in HELCOM Assessment Scale 4 (Division of the Baltic Sea into 17 sub-basins and further division into coastal and off-shore areas and division of the coastal areas by WFD water types or water bodies).

Attribute information:

“Code” = Code of the Helcom scale 4 assessment unit

“Descriptio” = Description of assessment unit

CR = Contamination ratio, 0 – 1= Status is “Good”, 1-99998= Status is “Not good”, 99998-99999= Status “Not assessed”

Status = Status of the indicator (“Good”, “Not good” or “Not assessed”)

Confidence = Confidence of the status

## Simple

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|---|---|
| **Date (Publication)** | 2017-06-30 |
| **Unique resource identifier** | https://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/7c44ed44-6754-4ad6-b4f6-b7cd0128dab3 |
| **pointOfContact**<br>*HELCOM Secretariat* | |
| **GEMET - INSPIRE themes, version 1.0** | • Oceanographic geographical features |
| **GEMET** | • heavy metal<br>• hazardous substance |
| **Keywords** | • MADS<br>• HOLAS2<br>• Core indicator |
| **Use constraints** | Other restrictions |
| **Other constraints** | Use constraints: Data can be used freely given that the source is cited (following creative commons license CC-BY). The source should be cited as:<br>“HELCOM (2017) Metals (lead, cadmium and mercury). HELCOM core indicator report. Online. [Date Viewed], [Web link].” |
| **Access constraints** | Other restrictions |
| **Other constraints** | Access constraints: No limitations on public access. |
| **Spatial representation type** | Vector |
| **Metadata language** | English |
| **Topic category** | • Environment |

| 65.91 | N | 53.61 | S | 30.25 | E | 8.19 | W |
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| **Begin date** | 2011-01-01 |
| **End date** | 2015-12-31 |
| **Unique resource identifier** | EPSG:3035 |
| **Distribution format** | • ESRI Shapefile ( 1.0 ) |
| **OnLine resource** | Download dataset ( WWW:LINK-1.0-http--link ) |
| **OnLine resource** | Open in Map Viewer ( WWW:LINK-1.0-http--link ) |
| **Hierarchy level** | Dataset |

## Conformance result

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| **Date (Publication)** | 2010-12-08 |

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| **Statement** | The indicator is based on data held in the HELCOM COMBINE database, hosted at the International Council for the Exploration of the Seas (ICES). All available data on cadmium concentrations in seawater, mussel and sediments up to 2015 were used. Evaluation is carried out using an agreed R-script that runs a statistical analysis. The overall confidence of the indicator evaluation is high. Additional info: http://helcom.fi/baltic-sea-trends/indicators/metals/<br><br>Link to metadata of biota dataset used for indicator calculation: http://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/d4ae92e1-dcf5-45ef-855b-f666121bb423<br><br>Link to metadata of sediment dataset used for indicator calculation: http://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/8b1aa495-1669-4319-8106-842cf08d79f5<br><br>Link to metadata of water dataset used for indicator calculation: http://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/808f5650-11ac-4b9e-ba1e-5004df645642 |
| **File identifier** | 7c44ed44-6754-4ad6-b4f6-b7cd0128dab3 XML |
| **Metadata language** | English |
| **Character set** | UTF8 |
| **Hierarchy level** | Dataset |
| **Date stamp** | 2021-09-09T12:00:22 |

**pointOfContact**

*HELCOM Secretariat*

## Overviews

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