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**TITLE: AtlantECO [WP2] - cflux dataset –** carbon fluxes

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**1.- INTRODUCTION**

This table contains carbon fluxes data derived from sediment traps and from concentration deficits of the 234 Thorium isotope (15.425 observations).

**2.- METHODOLOGY USED**

Data were collected from public databases (PANGAEA) and were processed (assembled, cleaned from missing values and/or duplicates) using R (version 4.1.2).

**3.- DATASET DESCRIPTION**

**Data type:** Absolute values of carbon fluxes (mgC/m²/day)

**Latitude/Longitude format:** WGS84 (-180°/+180°)

**Geographic area covered by the dataset:** Global Ocean

**Depth range covered by the dataset:** 5-5847 m

**Time period covered by the dataset:** meters from 1976-07-04 to 2018-08-27

**Dataset format:** comma separated (.CSV file)

**Date of dataset creation:** 2022-09-12

**Raw dataset repository:** ETHZ server

**4.- MAIN VARIABLE DESCRIPTION**

MeasurementTypeID: source of the data (either sediment traps or Thorium 234)

MeasurementValue: carbon flux in mgC/m²/day

MeasurementID: Not defined in AtlantECO

**5.- LINKS**



**6.- CONTRIBUTORS**

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