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HYDROGRAPHIE

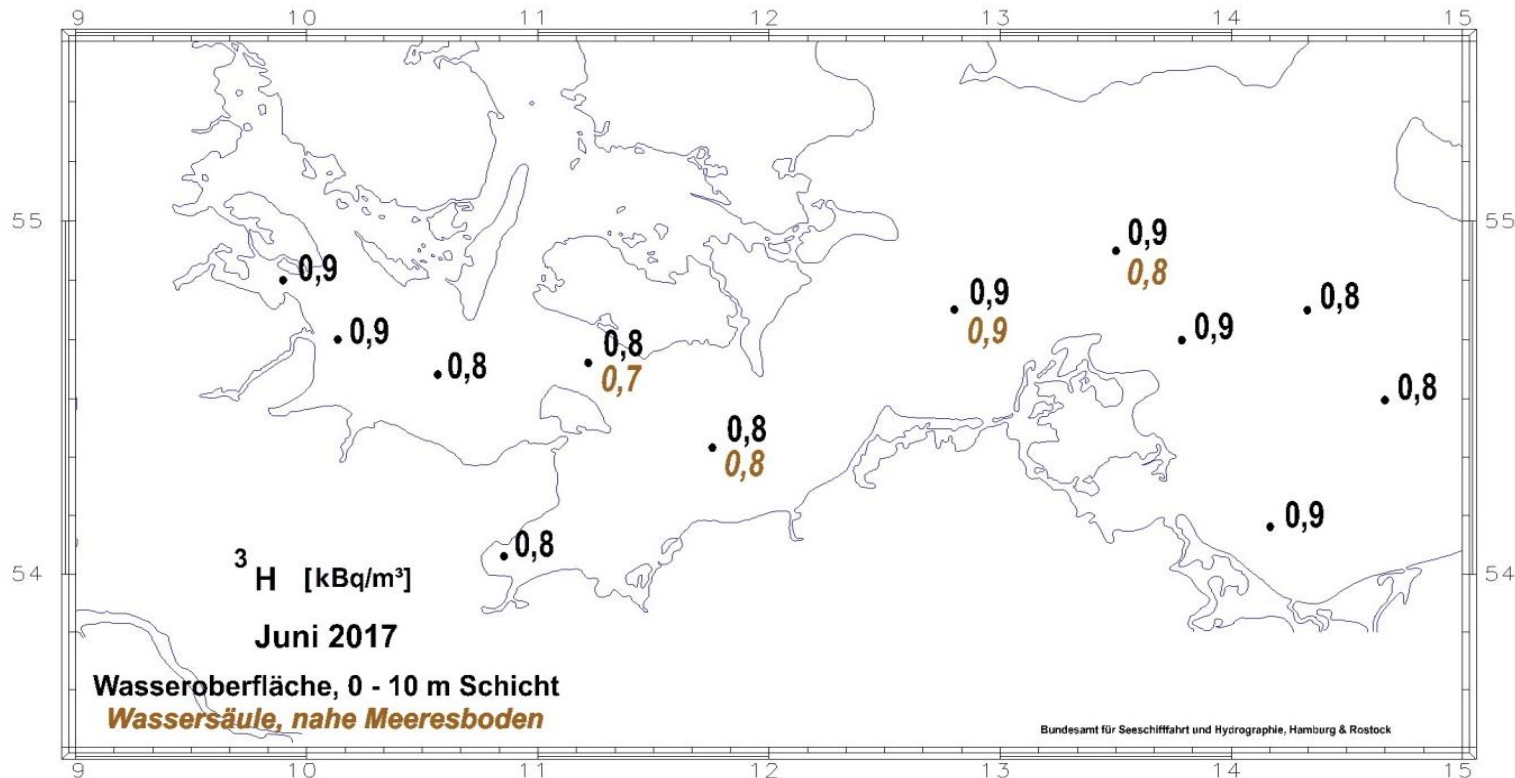
Results of German MORS monitoring in 2017 and 2018



Stefanie Schmied, HELCOM MORS EG 9-2019, 21-23 May 2019, Roskilde, Denmark

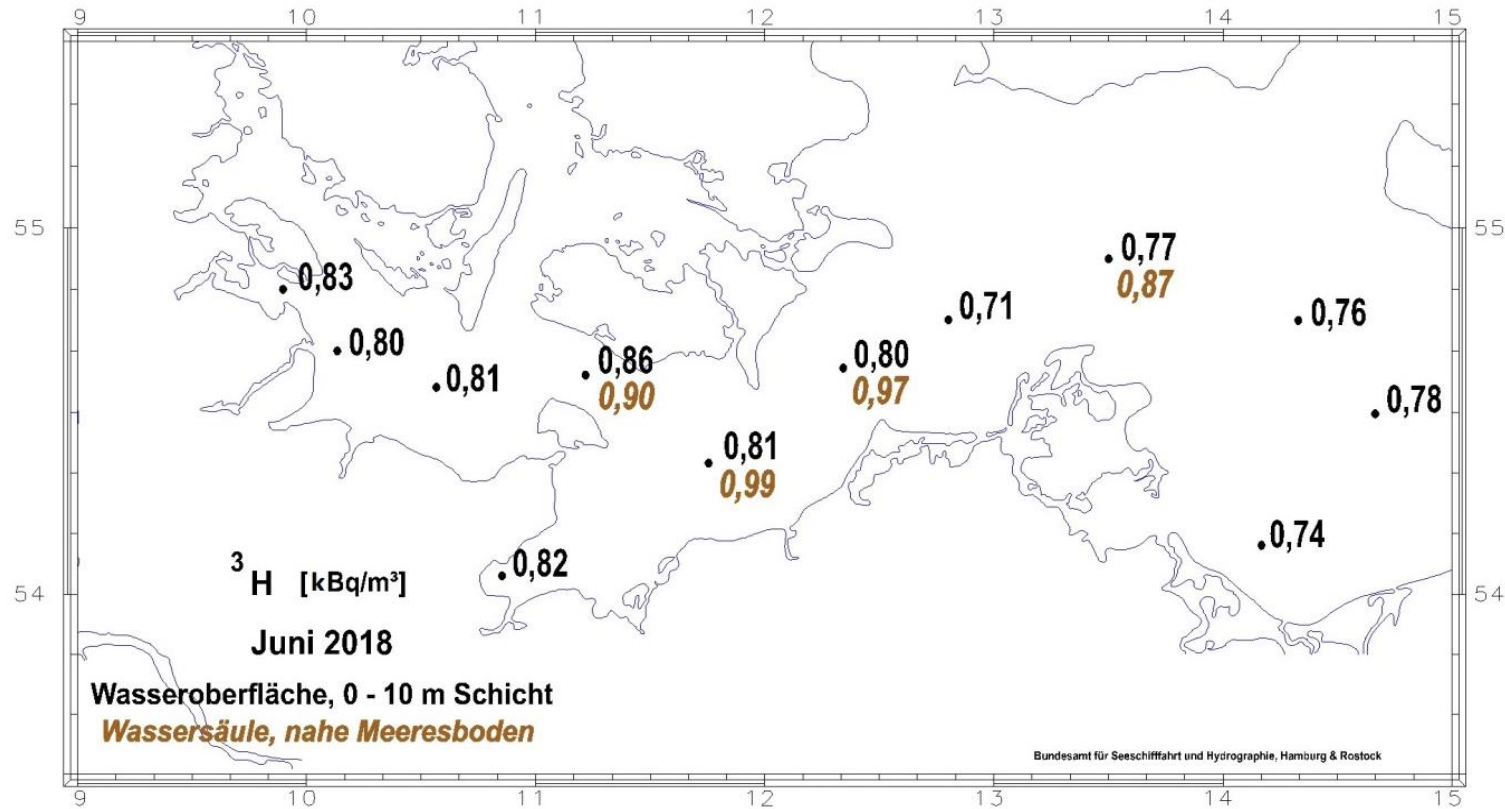
Seawater results: H-3

Activity concentrations of ^3H in surface and bottom waters (marked in brown) of the Western Baltic in 2017



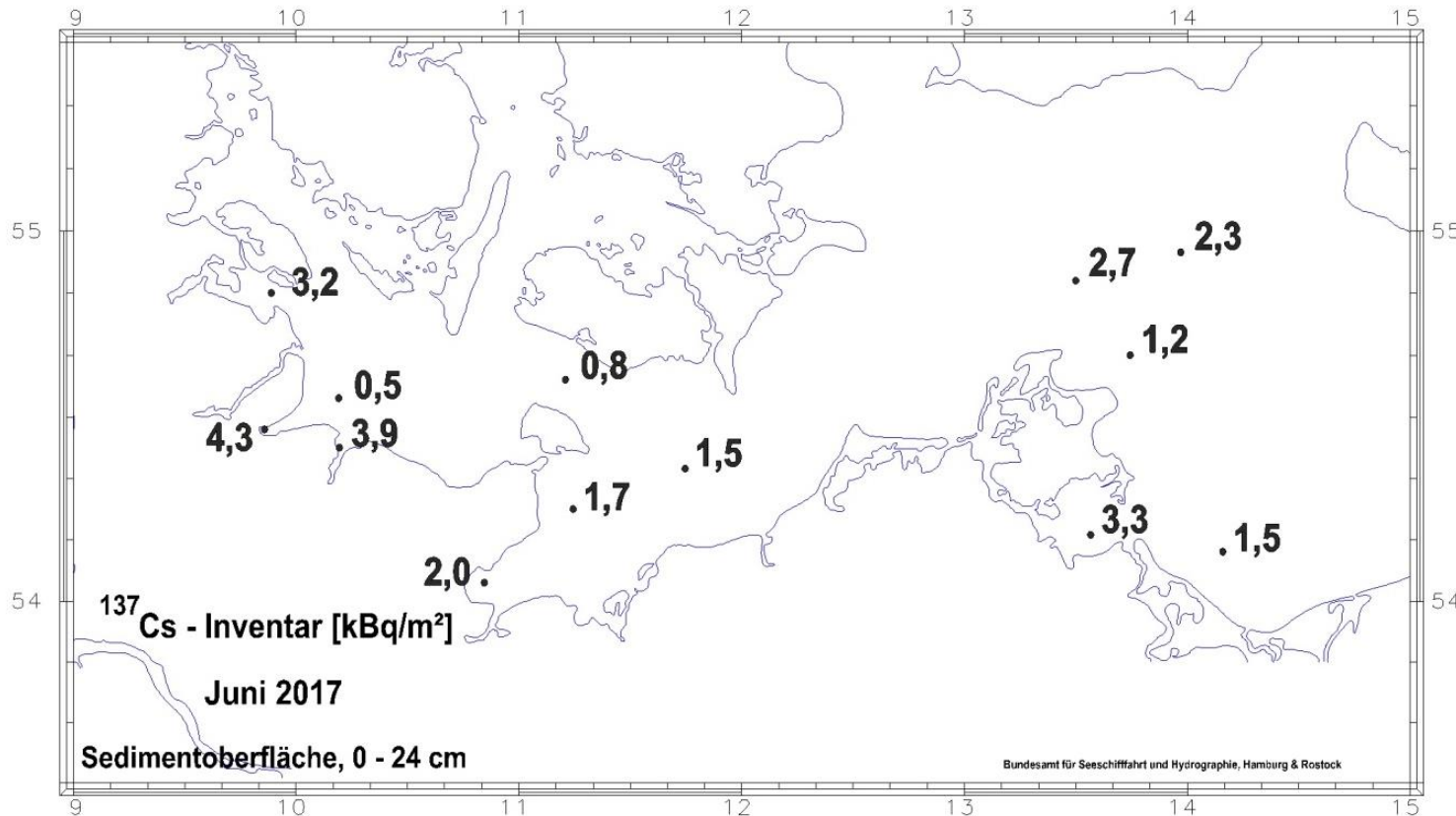
Seawater results: H-3

Activity concentrations of ^3H in surface and bottom waters (marked in brown) of the Western Baltic in 2018



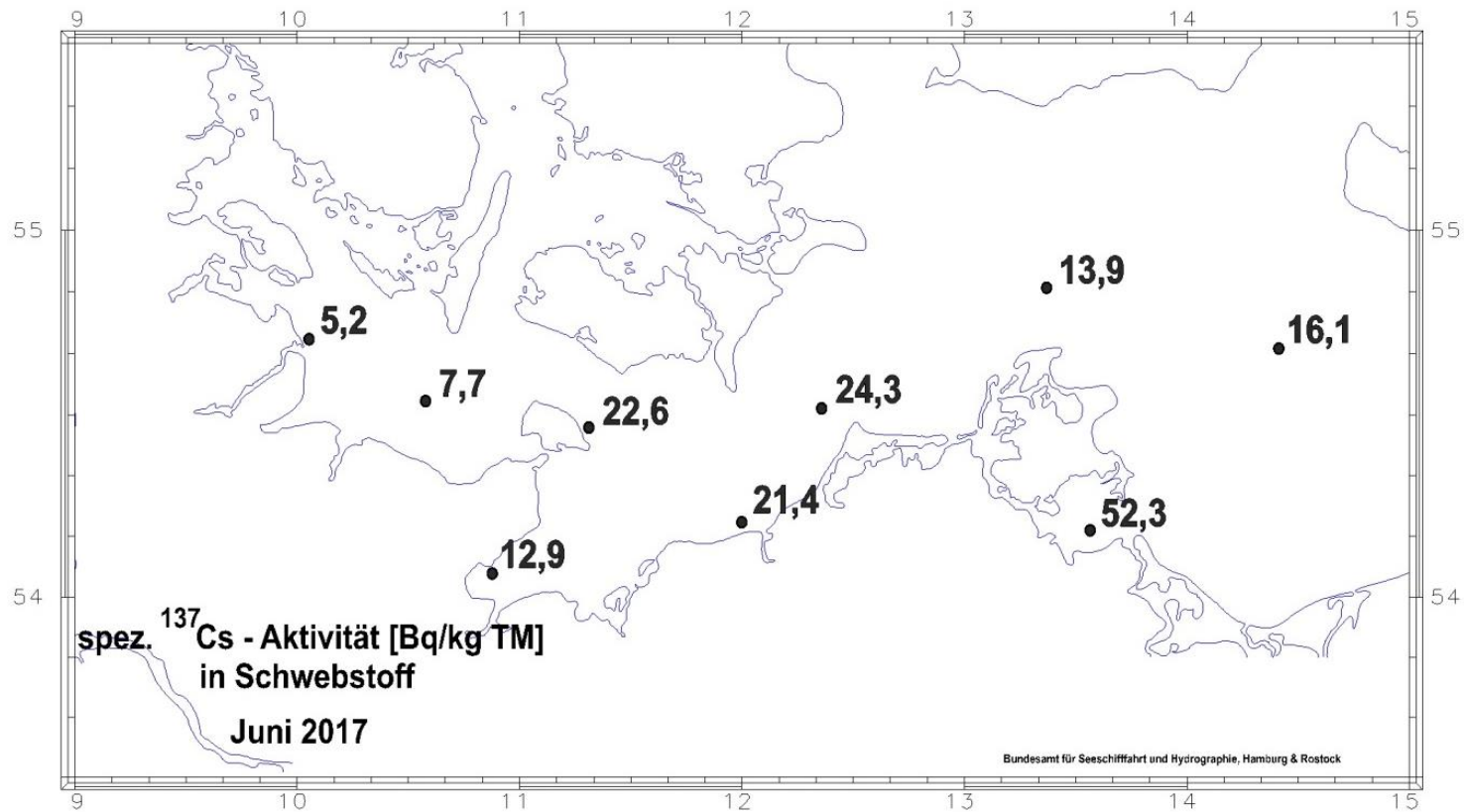
Sediment results: Inventory of Cs-137

Inventory of ^{137}Cs in surface sediments of the Western Baltic in 2017, sampled down to a depth of 24 cm



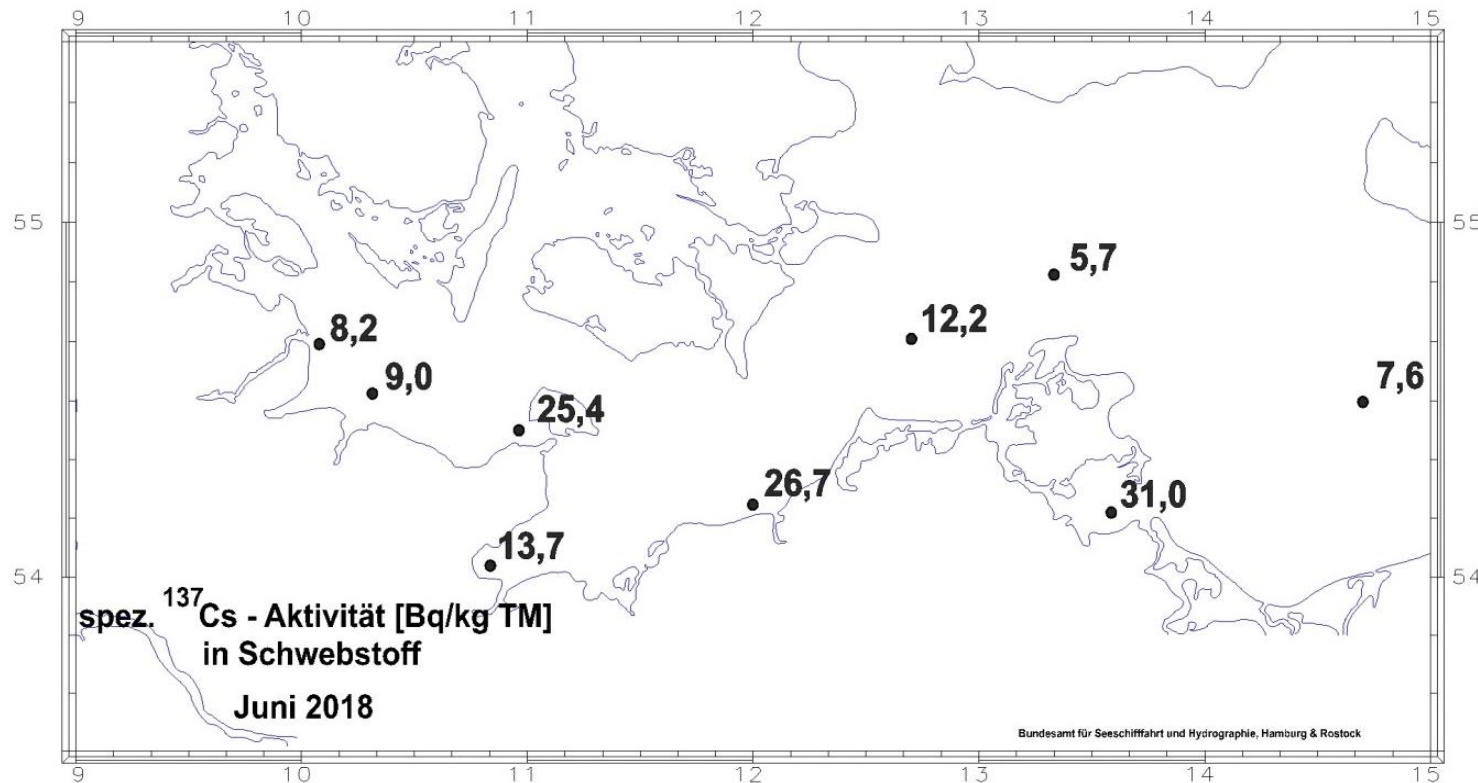
Suspended matter results: Cs-137

Specific activities of ^{137}Cs in suspended matter in the Western Baltic in 2017



Suspended matter results: Cs-137

Specific activities of ^{137}Cs in suspended matter in the Western Baltic in 2018



- Sr-90: sampling successful in 2017 and 2018, results still pending
- Sediment: sampling successful in 2018, measurements in progress
- Publication online: Offshore concentration of caesium radioisotopes from large volume seawater samples using KNiFC-PAN, Applied Radiation and Isotopes 147 (2019) 197-203, <https://doi.org/10.1016/j.apradiso.2019.01.029>
- Procedure manuals in English: <https://www.bmu.de/en/topics/nuclear-safety-radiological-protection/radiological-protection/radioactivity-in-the-environment/federal-offices-and-their-procedure-manuals/leitstelle-d/>

New research vessel: ATAIR

Total length: 74 m

Total width: 16,8 m

Draught: 5 m

Freeboard: 1,8 m

Sailing speed: 13 kn

Drive: diesel and gas electric (LNG)

Crew: 18

Scientists: 15

Commissioning: 1st quarter of 2020

Shipyard: Fassmer GmbH & Co. KG, Berne

Costs: approx. 114 000 000 €

First test surveys: autumn 2019



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Thanks for your attention!



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