

Sea Ice Physics

Supervision: Prof. Dr. Christian Haas (christian.haas@awi.de)

title: Sea ice melt in the marginal ice zone (MIZ)

Data: In situ ocean observations (CTD) + remote sensing ice observations

Sea ice melt in the marginal ice zone (MIZ)

- Sea ice melt results in freshwater deposition in the mixed layer. The goal of the MSc thesis is to compute the freshwater budget for the melting season 2020/21 in the **southwestern Weddell Sea**.
- Use of ship-based CTD and underway-thermo-salinograph data from the 2021 Cosmus cruise
- Use of airborne and satellite sea ice data from the 2021 Cosmus cruise
- Potentially use of results of an ice-ocean-model
- Requirements: Good programming and English language skills, good grades, (experience with oceanography is of advantage)

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