



## **High frequency internal wave observations in the Baltic Sea**

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The Baltic Sea is a coastal basin characterized by a relative absence of tides. Near-inertial waves thus dominate the baroclinic motions within its interior i.e., far from sloping topographies. Although near-inertial waves were observed frequently in the past, their contribution to mixing is still unclear. Particularly, the energy transfer towards higher frequency non-linear internal waves has yet not been addressed. Using observations from moored instruments at high resolution in time ( $>1$  Hz) and in the vertical (0.2 m), high frequency internal waves are explored as a potential drain for near-inertial energy. Quantification of the available mixing energy of these high frequency waves is also explored.