

# Decadal changes of carbon dioxide in the Southern North Sea.

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Since late 2000, we have acquired partial pressure of CO<sub>2</sub> (pCO<sub>2</sub>) data underway with an equilibrator coupled to an infra-red gas analyser on all the cruises carried out on *RV Belgica*. Here, we discuss the decadal changes of pCO<sub>2</sub> during winter-time in the Southern North Sea. The trends are faster than those reported in open oceanic waters, although strongly modulated by inter-annual variability that seems to be related to the North Atlantic Oscillation.

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