

Historical Changes to Ocean Fluxes of CO₂

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Understanding the long-term trends in the ocean CO₂ flux is challenging because of inadequate measurements and strong seasonal and interannual variability. I present a method for estimating ocean surface pCO₂ using statistical inversion and biogeochemical models. The trends that I calculate show an increasing oceanic uptake of CO₂ and indicate that large oceanic feedbacks are unlikely to have already occurred.