

Combining Observations and Models to Estimate Regional Sources and Sinks of Atmospheric CO₂

The CarbonTracker Model

- A data assimilation and parameter estimation tool that combines atmospheric CO₂ observations, an atmospheric transport model, and model or data based fluxes
- Zoom grid allows for global modeling with a focus on a selected region
- Originally developed at NOAA-ESRL with a focus on North America
 - European version recently published
 - Asian version in advanced development
 - CT-Australasia being developed at NIWA

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Model Grid and Observations

