

linear $[\text{CO}_2]$

The diagram illustrates a feedback loop. A red gear is positioned on a horizontal line. An orange arrow points downwards from the gear. To the right, a black circular arrow with a minus sign indicates negative feedback. An orange arrow points upwards and to the right from this feedback loop.

[illegible]

The diagram illustrates the Earth's energy balance, categorized into Natural and Anthropogenic processes. Natural processes include incoming solar radiation (yellow sun icon) and outgoing terrestrial radiation (blue arrows). Anthropogenic processes include greenhouse gas (GHG) emissions (orange arrows) and aerosol (Aer) emissions (grey cloud icon). The diagram shows the flow of energy between the Land (green) and Surface Ocean (dark blue) components, and the Deep Ocean (light blue). Red gears and arrows indicate feedback loops, including a negative feedback loop (marked with a minus sign) involving the Deep Ocean. A red vertical bar on the left indicates a temperature gradient or scale.

The diagram illustrates the components of the Earth system model and the historical simulation (hist) and future projections (SSP-245) for the natural (nat) and anthropogenic (aer) components. The top part shows a timeline with four segments: hist-nat, hist-GHG, hist (or SSP-245), and hist-aer. Below the timeline, the natural component (nat) is represented by a sun and a volcano, and the anthropogenic component (aer) is represented by a gear and a cloud. The GHG (Greenhouse Gas) component is represented by a gear and a cloud. The diagram shows the interaction between these components and the resulting climate response.