

Carbon Dioxide Removal

Putting ground up rocks on the land and into the sea could increase CO₂ uptake.

But what are the environmental impacts of massive mineral extraction?

One could artificially encourage the growth of carbon-absorbing plants and plankton in the ocean to remove CO₂.

But how might that affect the marine environment?

Mass planting or replanting of forests could capture CO₂.
But what happens to the people who need that land to grow food?

Capturing CO₂ directly from the air with chemical processes can work, but it's expensive and energy hungry.

Does it make ecological sense?

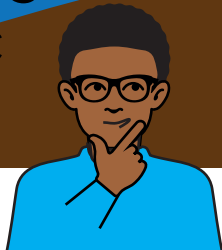
Many climate models assume the mass use of bioenergy, followed by carbon capture.

But how would one find enough land to make this viable?

Burning biomass under low oxygen conditions can create charcoal to be added to the soil. But it's pricey, and potentially polluting.

How would one scale it up safely?

How does society decide on the mix and scale of activities to remove the CO₂ required to keep warming under 1.5°C?



WHO'S DECIDING YOUR CLIMATE FUTURE?



New climate-altering technologies could be on the horizon. The rules aren't written yet; let's help write them!

Join the conversation at c2g2.net