

Innovations in Carbon Sequestration



Have you heard about all the nifty innovations in carbon sequestration?!?, learn more about how these can become part of the solution to the pressures facing mother earth!

Carbon Capture from Factories - with industry accounting for approximately 1/3 of global emissions, much opportunity exists here - work is underway by the Pacific Northwest National Laboratory with new carbon capture devices not just good for mother earth but also economically feasible, their new technique pulls carbon dioxide out of the exhaust flue of a power plant or factory for \$39 per metric ton - the cheapest cost every reported in a peer-reviewed scientific journal!

Direct Air Capture - Companies such as Carbon Engineering are utilizing Direct Air Capture techniques - which is essentially pulling air from the atmosphere and using a similar process as plant photosynthesis to extract the carbon dioxide (CO₂) and return the rest of the air to the environment, with a minimal footprint.

Carbon Upcycling - a start up company called Carbon Upcycling, based out of Alberta Canada is looking at carbon sequestration and the circular economy with the "hard-to-decarbonize" industrial byproducts such as cement and concrete by permanently storing CO₂ in local industrial byproducts and natural materials.

Sources:

1. <https://www.cnbc.com/2023/01/24/new-technique-from-us-national-lab-to-remove-co2-at-record-low-cost.html#:~:text=An%20installed%20carbon%20capture%20machine,have%20to%20burn%20more%20energy.>
2. <https://carbonengineering.com/>
3. <https://carbonupcycling.com/>

