

Direct Carbon Capture

Direct carbon capture refers to using man-made machines, catalysts, or other techniques to pull in air and filter out CO₂. At this point in time, there is no efficient, effective way to do this, and so while advances in this technology have been made, we do not have machines capable of removing CO₂ from the atmosphere on any meaningful scale.

[Plastic resin that absorbs carbon from the air](#)

Researchers at Colombia University develop [a material that aggressively absorbs carbon](#), and can release it again when exposed to water, making it potentially re-useable.

[Concrete that stores carbon](#)

[CarbonCure](#) collects CO₂ from industrial processes, and stores them in concrete.

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