

Note: 1. This dataset was compiled from multiple different databases combined with a project-by-project internet search. It aims to capture currently operational or in-development CDR projects. It undoubtedly both is incomplete and contains errors. If your project is contained herein and has incorrect data associated with it, please submit a correction on the report website so that we can update it. If you notice that your project is missing, please also submit the relevant data so we can include it. Our hope is to continue to improve the completeness and fidelity of this data moving forward for future reports. 2. You'll note that no conventional CDR methods on land or biochar-based projects are included: because of the diffuse and generally small-scale nature of these projects, we have used other methods, primarily national inventories and industry reports. See the report for more details.

Project ID	Name of the Project	Carbon moves from Atmosphere to:	Carbon moves to:	Carbon moves to:	Carbon moves to:	Gross Removals (tCO2/year)	Life Cycle Emissions (tCO2/year)	Year active	Owners	Reference
1	Ocean-Based Climate Solutions Wave-Powered Upwelling/Downwelling for Carb	Aquatic Biomass	Deep Ocean	N/A	N/A	2900		2022	Ocean-based Climate Solutions	https://www.ocean-based.com/
2	Climate Foundation Growing Seaweed via Marine Permaculture and Sinking It int	Aquatic Biomass	Deep Ocean	N/A	N/A	1245		2022	Climate Foundation	https://www.climatefoundation.org/mari
3	C-Sink Sinking Biomass for Deepwater Storage	Aquatic Biomass	Deep Ocean	N/A	N/A	100		2022	C-Sink	https://github.com/strip/carbon-remov
4	Biorecro Supporting Bio-Energy with Carbon Capture and Storage	Biosphere	Concentrated CO2	Lithosphere	N/A	50000		2022	Biorecro	https://www.biorecro.com/
5	Husky Energy Lashburn and Tangleflags CO2 Injection in Heavy Oil Reservoirs Proj	Biosphere	Concentrated CO2	Lithosphere	N/A	80000		2022	Husky Energy	https://www.thirdway.org/memo/mappin
6	Archers Daniel Midlands Illinois Industrial Sources	Biosphere	Concentrated CO2	Lithosphere	N/A	1000000		2022	Archers Daniel Midlands	https://www.adm.com/
7	Peel Nre, Bioenergy Infrastructure Group INBECCS	Biosphere	Concentrated CO2	Lithosphere	N/A	7300		2022	Peel NRE, Bioenergy Infrastructure Gro	https://www.c-capture.co.uk/ince-biomas
8	Arkalon Bioethanol	Biosphere	Concentrated CO2	Lithosphere	N/A	23000		2022	Charparal Energy	https://www.thirdway.org/memo/mappin
9	Occidental Petroleum Group Oxy-White Energy Biofuel-Production	Biosphere	Concentrated CO2	Lithosphere	N/A	350000		2022	Occidental Petroleum Group	https://www.thirdway.org/memo/mappin
10	Bonanza Bioenergy CUUS EOR	Biosphere	Concentrated CO2	Lithosphere	N/A	100000		2022	PetroSantander	https://co2re.co/FacilityData
11	Charm Industrial Geological Sequestration of Bio-Oil	Biosphere	Fuels & Chemicals	Lithosphere	N/A	2000		2022	Charm Industrial	https://charmindustrial.com/
12	Climeworks Direct Air Capture and Mineralization	Concentrated CO2	Lithosphere	N/A	N/A	4000		2022	Climeworks	https://www.climeworks.com/
13	Carbon Engineering	Concentrated CO2	Lithosphere	N/A	N/A	365		2022	Carbon Engineering	https://www.thirdway.org/memo/mappin
14	Cambridge Carbon Capture Ltd Direct Air CO2 Capture and Mineralisation	Concentrated CO2	Lithosphere	N/A	N/A	100		2022	Cambridge Carbon Capture Ltd	https://www.cacaca.co.uk/technology
15	Center for Negative Carbon Emissions	Concentrated CO2	Lithosphere	N/A	N/A	1000		2022	Center for Negative Carbon Emissions	https://www.thirdway.org/memo/mappin
16	Noya	Concentrated CO2	Lithosphere	N/A	N/A	1000		2022	Noya	https://www.noya.co/
17	Green Minerals	Minerals	N/A	N/A	N/A	99		2022	Green Minerals	https://www.green-minerals.nl/
18	Seachange Mineralization Reactors for CO2 Removal with Hydrogen Co-Productiv	Dissolved CO2	Bicarbonate	N/A	N/A	365		2022	SeaChange	https://www.seachangeinc.co/
19	Project Vesta Accelerating Olivine Weathering with Wave Power for CO2 Removal	Minerals	N/A	N/A	N/A	200		2022	Project Vesta	www.projectvesta.org/
20	Rockfarm Carbon Removal Walls to Protect Arable Land and Clean the Atmospher	Minerals	N/A	N/A	N/A	378		2022	Rockfarm	https://rockfarmio.wordpress.com/
21	CO2-Zero Surface Olivine Weathering	Minerals	N/A	N/A	N/A	500		2022	CO2-Zero	https://co2zero.team/
22	Greensand CO2 Removal with Olivine	Minerals	N/A	N/A	N/A	300		2022	GreenSand	https://www.greensand.nl/
23	The Future Forest Company, Heriot-Watt University, University of Sheffield Enhan	Minerals	N/A	N/A	N/A	2000		2022	The Future Forest Company, Heriot-Wat	https://thefutureforestcompany.com/enh
24	Eion Corp	Minerals	N/A	N/A	N/A	1000		2022	Eion Corp	https://eioncarbon.com/
25	Neustark	Biosphere	Concentrated CO2	Aggregates	N/A	2000		2022	Neustark	https://www.neustark.com/about
26	Running Tide Open Ocean Kelp Farming for Carbon Sequestration in Oceanic Sedi	Aquatic Biomass	Deep Ocean	N/A	N/A	1500		2023	Running Tide	https://www.runningtide.com/
27	Summit Carbon Solutions Project Intersqet - Hereford BECCS	Biosphere	Concentrated CO2	Lithosphere	N/A	249233		2023	Summit Carbon Solutions	https://co2re.co/FacilityData
28	Mission Zero Direct Air Capture Coupled with Utilization by O.C.O. Technology	Concentrated CO2	Minerals	Aggregates	N/A	365		2023	Mission Zero	https://oco.co.uk/
29	Ebb Carbon	Dissolved CO2	Bicarbonate	N/A	N/A	600		2023	Ebb Carbon	https://www.ebbcarbon.com/
30	Heirloom	Concentrated CO2	Lithosphere	N/A	N/A	100		2023	Heirloom	https://www.heirloomcarbon.com/
31	Origen Carbon Solutions	Concentrated CO2	Lithosphere	N/A	N/A	1000		2023	Origen Carbon Solutions	https://origencarbon.com/8-1re
32	Project Vesta	Minerals	N/A	N/A	N/A	200		2023	Project Vesta	https://www.vesta.earth/field-pilots
33	RepAir	Concentrated CO2	Lithosphere	N/A	N/A	100		2023	Repair	https://repair-carbon.com/
34	Running Tide Ocean Technology and Aquaculture Company	Aquatic Biomass	Deep Ocean	N/A	N/A	2000		2024	Running Tide	https://www.runningtide.com/
35	Summit Carbon Solutions Marcus Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	458000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
36	Summit Carbon Solutions Mason City Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	343000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
37	Summit Carbon Solutions Merrill Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	157000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
38	Summit Carbon Solutions Mina Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	400000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
39	Summit Carbon Solutions Nevada Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	257000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
40	Summit Carbon Solutions Norfolk Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	152000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
41	Summit Carbon Solutions Onida Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	229000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
42	Summit Carbon Solutions Otter Tail Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	172000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
43	Summit Carbon Solutions Plainview Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	315000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
44	Summit Carbon Solutions York Biorefinery Carbon Capture And Storage	Biosphere	Concentrated CO2	Lithosphere	N/A	143000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
45	Summit Carbon Solutions Atkinson Biorefinery Carbon Capture And Storage	Biosphere	Concentrated CO2	Lithosphere	N/A	157000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
46	Summit Carbon Solutions Casselton Biorefinery Carbon Capture And Storage	Biosphere	Concentrated CO2	Lithosphere	N/A	501000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
47	Summit Carbon Solutions Central City Biorefinery Carbon Capture And Storage	Biosphere	Concentrated CO2	Lithosphere	N/A	332000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
48	Summit Carbon Solutions Aberdeen Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	143000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
49	Summit Carbon Solutions Fairmont Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	343000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
50	Summit Carbon Solutions Shenandoah Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	235000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
51	Summit Carbon Solutions Sioux Center Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	186000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
52	Summit Carbon Solutions Steamboat Rock Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	229000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
53	Summit Carbon Solutions Superior Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	172000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
54	Summit Carbon Solutions Watertown Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	374000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
55	Summit Carbon Solutions Wentworth Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	257000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
56	Summit Carbon Solutions Wood River Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	346000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
57	Summit Carbon Solutions Galva Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	109000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
58	Summit Carbon Solutions Goldfield Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	215000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
59	Summit Carbon Solutions Grand Junction Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	343000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
60	Summit Carbon Solutions Granite Falls Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	180000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
61	Summit Carbon Solutions Heron Lake Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	186000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
62	Summit Carbon Solutions Lambertton Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	157000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
63	Summit Carbon Solutions Lawler Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	572000		2024	Summit Carbon Solutions	https://co2re.co/FacilityData
64	CPC Quimica Gpc Quimica Methanol Plant	Biosphere	Concentrated CO2	Lithosphere	N/A	33000		2024	CPC Quimica	https://www.thirdway.org/memo/mappin
65	Carbon Engineering Project Dreamcatcher - Low Carbon Direct Air Capture	Concentrated CO2	Lithosphere	N/A	N/A	1000000		2024	Carbon Engineering	https://carbonengineering.com/news-upd
66	4401	Concentrated CO2	Lithosphere	N/A	N/A	3000		2024	4401	https://4401.earth/
67	8 Rivers	Concentrated CO2	Lithosphere	N/A	N/A	2000		2024	8 Rivers	https://8rivers.com/
68	Susaera	Concentrated CO2	Lithosphere	N/A	N/A	2000		2024	Susaera	https://www.susaera.com/
69	1PointFive	Concentrated CO2	Lithosphere	N/A	N/A	500000		2024	1PointFive	https://www.1pointfive.com/
70	AspiraDAC	Concentrated CO2	Lithosphere	N/A	N/A	365		2025	AspiraDAC	https://www.aspiradac.com/news
71	C-Combinator Marine Permaculture Grows Seaweed, Earns Money, and Sinks Car	Aquatic Biomass	Deep Ocean	N/A	N/A	6000		2025	C-Combinator	https://www.c-combinator.com/
72	Biorecro Negative Emissions with BECCS On a CHP Plant	Biosphere	Concentrated CO2	Lithosphere	N/A	800000		2025	Biorecro	http://www.biorecro.com/?page=main
73	Chevron, Schlumberger, Microsoft Mendota BECCS	Biosphere	Concentrated CO2	Lithosphere	N/A	200000		2025	Chevron, Schlumberger, Microsoft	https://www.cleaneenergysystems.com/1M
74	Stockholm Exergi	Biosphere	Concentrated CO2	Lithosphere	N/A	700000		2025	Stockholm Exergi	https://www.stockholmexergi.se/en/bio-c
75	Summit Carbon Solutions Redfield Biorefinery	Biosphere	Concentrated CO2	Lithosphere	N/A	172000		2025	Summit Carbon Solutions	https://co2re.co/FacilityData
76	Carbon Engineering OXY And Carbon Engineering Direct Air Capture and EOR	Concentrated CO2	Lithosphere	N/A	N/A	1000000		2025	Carbon Engineering	https://co2re.co/FacilityData
77	Sizewell C, University Of Nottingham, Strata Technology, Atkins, Doosan Babcock	Concentrated CO2	N/A	N/A	N/A	100		2025	Sizewell C, University Of Nottingham, Str	https://www.edfenergy.com/energy/nucle
78	CO2 CircuAIR, OGTC, Heriot-Watt University Research Center For Carbon Solutio	Concentrated CO2	N/A	N/A	N/A	100		2025	CO2CircuAIR, OGTC, Heriot-Watt Univer	https://www.hw.ac.uk/news/articles/202
79	Rolls Royce, Commonwealth Scientific and Industrial Research Organisation (CSI	Concentrated CO2	N/A	N/A	N/A	100		2025	Rolls Royce, Commonwealth Scientific a	https://www.csiro.au/en/work-with-us/pa
80	University of Exeter Seacure	Dissolved CO2	Concentrated CO2	N/A	N/A	100		2025	University of Exeter	https://www.exeter.ac.uk/news/research
81	Climeworks Mammoth - Climeworks	Concentrated CO2	Lithosphere	N/A	N/A	36000		2025	Climeworks	https://climeworks.com/roadmap/mamm
82	Global Thermostat	Concentrated CO2	Lithosphere	N/A	N/A	100000		2025	Global Thermostat, LLC	https://www.thirdway.org/memo/mappin
83	Drax BECCS at the World Largest Biomass Power Station	Biosphere	Concentrated CO2	Lithosphere	N/A	4000000		2027	Drax	http://www.drax.com/BECCS
84	Drax Corporation Ltd Negative Emissions Gasification	Biosphere	Concentrated CO2	Lithosphere	N/A	4000000		2030	Drax Corporation Ltd	http://www.drax.com/BECCS