

Center for Closing the Carbon Cycle (4C)

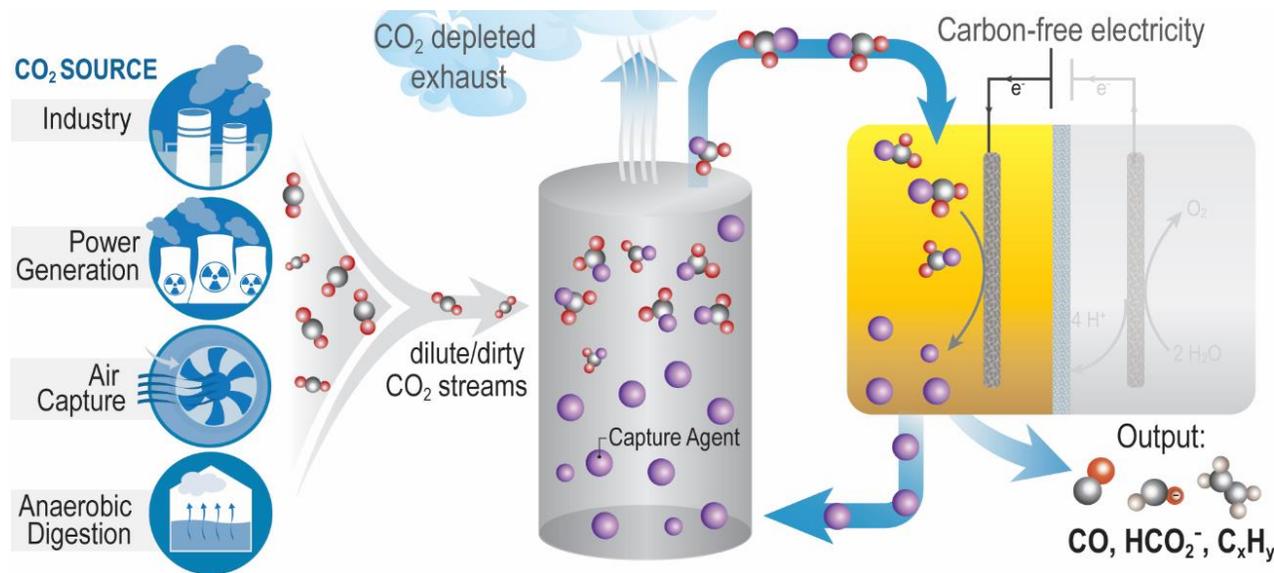
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MISSION: To advance synergistic capture and conversion of carbon dioxide (CO_2) from dilute streams into useful products through the convergent study of sorbents and catalysts.

RESEARCH PLAN

4C will advance the foundational science and define key integration parameters for synergistic CO_2 capture and conversion, or reactive capture of CO_2 (RCC). By co-designing CO_2 sorbent capture with catalysts, 4C will develop integrated RCC systems that work cooperatively to achieve higher product selectivity and overall efficiencies than current sequential approaches.

<https://carbonsolution.uci.edu/about.html>



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