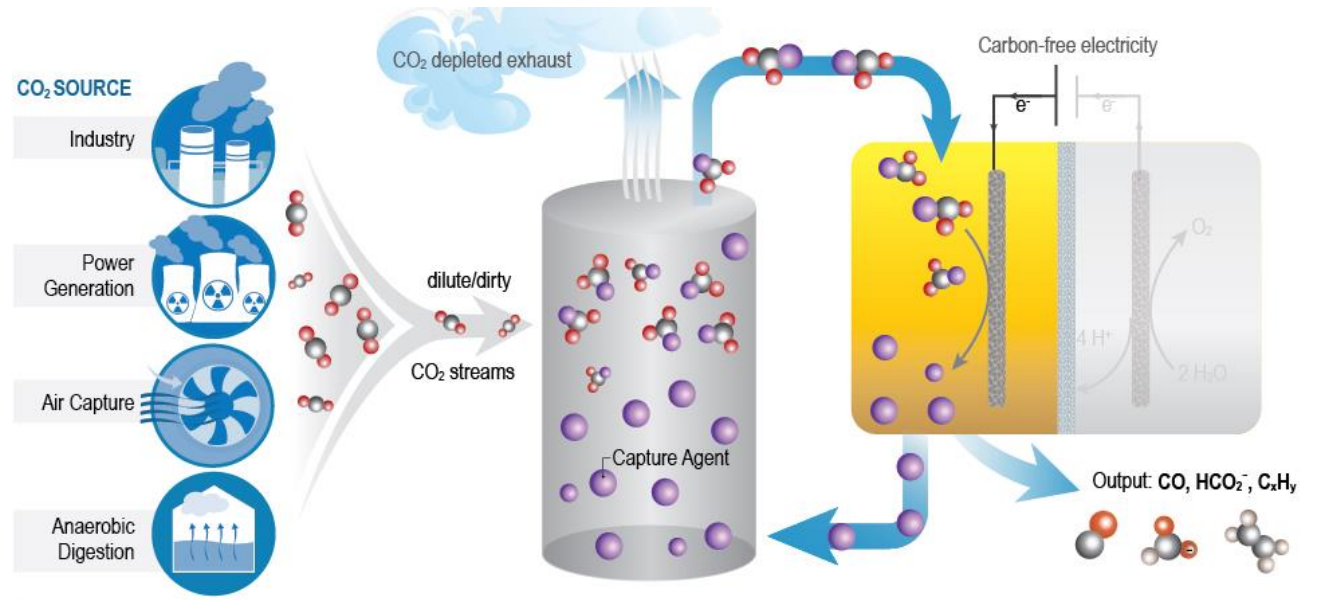


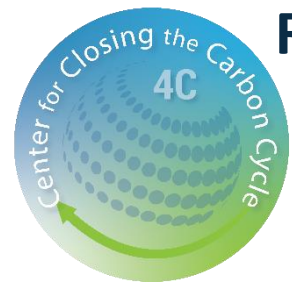
The Center for Closing the Carbon Cycle (4C)

Jenny Yang (University of California, Irvine); Class: 2022-2026

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 is advancing the foundational science and defining 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://carbon.solution.uci.edu/>

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