

Gregory Cooney

Position/Department/Division/Institution/Organization

Senior Engineer/Office of Carbon Management/U.S. Department of Energy

Country

United States

Career history

U.S. Department of Energy

Dupont - Life Cycle Assessment (LCA) and Environmental Sustainability Consultant

Contractor to National Energy Technology Laboratory (NETL)

Process engineering roles with ConocoPhillips and Bettis Atomic Power Laboratory

Awards/Publications

U.S. DOE. (2022). Best Practices for Life Cycle Assessment (LCA) of Direct Air Capture with Storage (DACs). U.S. Department of Energy, Office of Fossil Energy and Carbon Management. <https://www.energy.gov/fecm/best-practices-LCA-DACS>

T. J. Skone, M. Mutchek, M. Krynock, S. Moni, S. Rai, J. Chou, D. Carlson, M. Jamieson, E. Dale, G. Cooney, and A. Kumar, “Carbon Dioxide Utilization Life Cycle Analysis Guidance for the U.S. DOE Office of Fossil Energy and Carbon Management Version 2.0” National Energy Technology Laboratory, Pittsburgh, January 2022.

Cooney, G., Jamieson, M., Marriott, J., Skone, T., Bergerson, J., Brandt, A. (2016). Updating the U.S. Life Cycle GHG Petroleum Baseline to 2014 with Projections to 2040 Using Open-Source Engineering-Based Models. *Environmental Science & Technology*, 51 (2), 977-987. – Editors’ Choice and Cover Page of January Issue 2

Cooney, G., Littlefield, J., Marriott, J., Skone, T. (2015). Evaluating the Climate Benefits of CO₂-Enhanced Oil Recovery Using Life Cycle Analysis. *Environmental Science and Technology*, 49 (12), 7491-7500.

Areas of expertise

Life Cycle Analysis/Assessment (LCA)

Carbon Capture, Utilization, and Storage

Carbon footprinting/accounting