Colin McCormick

Position/Department/Division/Institution/Organization

Adjunct Associate Professor, Science, Technology and International Affairs,
Walsh School of Foreign Service, Georgetown University

Country

USA

Career history

Dr. Colin McCormick is an Adjunct Associate Professor at the Walsh School of Foreign Service, Georgetown University and the Chief Innovation Officer at Carbon Direct. Trained as an experimental physicist, he has a wide range of experience in energy and climate technology development, science and technology policy, and data science. His research focuses on technology development priorities for carbon dioxide removal, pathways for industrial deep decarbonization, and remote sensing methods for greenhouse gas emissions monitoring. He has participated in several previous ICEF Roadmaps, including *ICEF 2019 Roadmap: Industrial Heat Decarbonization* and *ICEF 2018 Roadmap: Direct Air Capture of Carbon Dioxide*.

Colin served as a Senior Technical Advisor at the US Department of Energy during the Obama Administration. Prior to this he worked as an energy and security analyst at the Federation of American Scientists, a staff member with the House Science and Technology Committee, and a AAAS Congressional Fellow in the Office of Rep. Ed Markey. Colin holds a PhD in atomic and optical physics from UC Berkeley and was a postdoctoral researcher at the National Institute of Standards and Technology (NIST).

Awards/Publications

- Roger Aines et al, *Getting to neutral: Options for negative carbon emissions in California*, Lawrence Livermore National Laboratory, January 2020.
- David Sandalow, Julio Friedmann, Colin McCormick, Sean McCoy, Roger Aines, Josh Stolaroff, *Industrial Heat Decarbonization: ICEF Roadmap 2019*, Innovation for a Cool Earth Forum/Ministry of Economy, Trade and Industry, Japan (2019).
- Ernest J. Moniz, Joseph S. Hezir, Colin McCormick, Tim Bushman, Sam Savitz, *Clearing the Air: A federal RD&D initiative and management plan for carbon dioxide removal technologies*, Energy Futures Initiative, September 2019.
- James Mulligan, Gretchen Ellison, Kelly Levin, Colin McCormick, *Technological Carbon*

Removal in the United States, World Resources Institute, September 2018.

- David Sandalow, Julio Friedmann, Colin McCormick, *Direct Air Capture of Carbon Dioxide: ICEF Roadmap 2018*, Innovation for a Cool Earth Forum/Ministry of Economy, Trade and Industry, Japan (2018).

Areas of expertise

Negative emissions/Carbon dioxide removal

Direct Air Capture

Remote sensing and machine learning