

Please join us at a special **NASA Carbon Monitoring System (CMS) Policy Speaker Series** talk:

Federal Strategy to Advance an Integrated U.S. Greenhouse Gas Monitoring & Information System

Philip B. Duffy

Climate Science Advisor, White House Office of Science and Technology Policy (OSTP)

With Comments from:

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Office of Management & Budget (OMB),
Science & Space Branch

Thursday, March 9, 2023

3:00PM-4:00PM Eastern Time

Register [here](#) for the WebEx Meeting Link.

The Policy Speaker Series is an effort funded through the NASA Carbon Monitoring System (CMS) Initiative and co-sponsored by the Joint Global Carbon Cycle Center (JGCC).

About the Talk

Dr. Philip B. Duffy, White House OSTP Climate Science Advisor, will discuss a proposed Federal strategy for enhancing greenhouse gas (GHG) data and information to accelerate progress towards President Biden's goal to reduce emissions 50-52 percent below 2005 levels by 2030 and achieve a net-zero, clean-energy economy by 2050, including to inform mitigation efforts by a range of stakeholders. The [draft Strategy](#) describes a framework for an integrated U.S. Greenhouse Gas (GHG) Monitoring & Information System (System) that takes advantage of advanced measurement and modeling capabilities, as well as the growth of GHG observational data, to provide enhanced data products. The coordinated use of atmospheric-based and activity-based approaches is expected to increase confidence in setting, assessing, and meeting climate mitigation goals. The draft Strategy recognizes that natural systems offer critical opportunities to mitigate and adapt to climate change, and any comprehensive GHG monitoring effort would need to consider GHG emissions and removals from both natural and anthropogenic sources to advance efforts to stabilize Earth's climate, distinguish between GHG emissions and removals due to human-managed versus natural systems, and better understand how ecosystems respond to climate warming and other human influences. Other key elements of the draft Strategy include near-term strategies and demonstration projects that explore and showcase the potential benefits of the System framework and address specific user needs.

About Our Speaker



Philip B. Duffy serves as Climate Science Advisor in the White House Office of Science and Technology Policy. Prior to rejoining government, he was President and Executive Director of the Woodwell Climate Research Center (formerly Woods Hole Research Center). In the Obama administration, Dr. Duffy served as a Senior Policy Analyst in the White House Office of Science and Technology Policy and as a Senior Advisor in the US Global Change Research Program. Before joining the White House, Dr. Duffy was Chief Scientist at Climate Central, a climate change communications organization. Dr. Duffy was a Senior Scientist and

Deputy Division Leader in the Atmospheric Science Division at the Lawrence Livermore National Laboratory, and has held visiting positions at the Carnegie Institution for Science, the Woods Institute for the Environment at Stanford University, and the University of California, Merced. He holds a bachelor's degree *magna cum laude* from Harvard in astrophysics and a PhD in applied physics from Stanford.

Past Seminars: Check out recordings of previous Policy Speaker Series talks on the CMS website: http://carbon.nasa.gov/policy_series.html

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