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20 years of U.S. interagency and cross-disciplinary research coordination on carbon: SOCCR2, current and future networks

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Interconnections of diverse scientific communities via formal and informal networks for enhancing the quantity and quality of carbon observations have led to successful collaborations and productive outcomes. The recently released Second State of the Carbon Cycle Report (SOCCR2, USGCRP 2018), a multi-agency reviewed decadal U.S. Government assessment of carbon across North America, features many of those successes. Assessing current challenges associated in technology, science, and policies for improving carbon measurements across the land, water, atmosphere and ecosystem interfaces, SOCCR2 offers an expanded understanding of the research, and decision-making infrastructure that has been made possible by observation networks across scales, with local to global partners. This presentation, while addressing key SOCCR2 findings on carbon management, highlights the U.S. long-term activities in building pertinent current research and observational networks. As the U.S. Carbon Cycle Science Program celebrates its 20th anniversary, this talk will also offer insights on effective and efficient coordination in research and prioritization in interagency, interdisciplinary carbon and climate change science program management, opening discussions on ways to further enhance international collaborations.

Reference

USGCRP, 2018: Second State of the Carbon Cycle Report (SOCCR2): A Sustained Assessment Report. [Cavallaro, N., G. Shrestha, R. Birdsey, M. A. Mayes, R. G. Najjar, S. C. Reed, P. Romero-Lankao, and Z. Zhu (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, 878 pp., doi: 10.7930/SOCCR2.2018