

NASA Applied Sciences Program

Organizations Related to Carbon Management

The NASA Applied Sciences Program encourages teams and partnerships across public and private sectors, including national and regional organizations and associations. The following organizations are examples of national or regional associations related to Carbon Management.

(Note: This list is not exhaustive and is provided for reference and example only. The NASA Applied Sciences Program does not necessarily have established relationships with these organizations, and the Program does not imply endorsement of any organization on this list.)

❖ *Carbon Capture & Sequestration Technologies (CCST):*

- **Location(s)**: Boston, MA (HQ).
- **Mission Statement**: To research technologies that capture, utilize, and store CO₂ from large stationary sources.
- **Additional Info**: CCST was established in 1989 and has been working since to examine carbon sequestration from multiple perspectives, including technical, economics, and political. Current research interests include technology assessments, economic modeling, analysis of regulatory and political aspects, and development of a Carbon Management Geographic Information System (GIS). In addition, they are dedicated to stakeholder outreach and education. To encourage this, they hold an annual Carbon Sequestration Forum each fall. Other outreach activities include participation in the IPCC Special Report on Carbon Dioxide Capture and Storage and the Carbon Sequestration Leadership Forum.
- **Website**: <http://sequestration.mit.edu/>
- **Contact Person**: Howard Herzog, Principal Researcher
Mail: Laboratory for Energy and the Environment, MIT, 77 Massachusetts Avenue, E40-445, Cambridge, MA 02139-4307
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❖ *The Carbon Fund:*

- **Location(s)**: Stoneville, MS (HQ).
- **Mission Statement**: To finance and promote the protection, restoration and enhancement of forests all over the world through carbon sequestration.
- **Additional Info**: The Carbon Fund was created by the government of the United States to address carbon issues in the concern over global climate change. One of the primary purposes of The Carbon Fund is to assist farmers and landowners in pooling and marketing their "Carbon Credits". The Carbon Fund also promotes the creation of carbon assets through the restoration of native habitats throughout the world in a manner that encourages the protection, restoration and enhancement of fish, wildlife and plant resources. It additionally encourages the participation of all farmers and landowners whose lands are now being used for agricultural and silvi-cultural purposes, especially those that were recently farmed and are now fallow. Other goals of the Fund are to educate the public, partner with other organizations, utilize funds from donors to improve resources, and to work with major industrial to target effective carbon management strategies.
- **Website**: www.thecarbonfund.org
- **Contact Person**: James L. Cummins, CEO

Mail: P.O. Box 100, Stoneville, MS 38776

Email: info@thecarbonfund.org

Phone: 1 (866) 632-2726

Fax: (662) 686-4780

❖ *Carbon Mitigation Initiative (CMI):*

- **Location(s):** Princeton, NJ (HQ).
- **Mission Statement:** To develop safe, effective, and affordable strategies that reduce global carbon dioxide emissions.
- **Additional Info:** CMI is a joint project of Princeton University, BP and the Ford Motor Company developed to find solutions to the greenhouse and global warming problem. Their vision is to lead the way to compelling and sustainable solutions to the carbon and climate change problem. By combining the unique and complementary strengths of the CMI partners, they seek a novel synergy across fundamental science, technology development, and business principles that accelerate the pace from discovery, through proof of concept, to scalable application. CMI focuses on resolving the fundamental scientific, environmental, and technological issues that ultimately will determine public acceptance of carbon management strategies.
- **Website:** <http://www.princeton.edu/~cmi/>
- **Contact Person:** Ranveig Jakobsen, Administrative Assistant
Mail: Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ 08544
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❖ *Environmental Synergy, Inc. (ESI):*

- **Location(s):** Austin, TX (HQ).
- **Mission Statement:** To provide reforestation and carbon quantification services to corporate clients as a means to offset carbon dioxide (CO₂) emissions and promote sustainable forestry.
- **Additional Info:** Environmental Synergy, Inc. is a service organization consisting of a team of dedicated professionals that works with federal and state government agencies, conservation organizations, experienced foresters and wildlife biologists, and leading scientists. Their program combines state-of-the-art carbon sequestration science with a commitment to restoring biodiversity to ecologically damaged ecosystems. ESI believes that a dual strategy of reducing emissions while at the same time increasing the sequestration of carbon dioxide will be necessary to effectively combat global climate change. In order to accomplish this strategy, ESI provides public and private lands options for achieving carbon offset objectives, provides expert carbon measurement and quantification by top specialists in the field of carbon sequestration, and keeps abreast of the latest global regulatory and scientific developments in the field of carbon sequestration.
- **Website:** <http://www.environmental-synergy.com/>
- **Contact Person:** Bernhard Schlamadinger, Senior Scientist
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❖ *Carbon Management and Sequestration Center (CMSC):*

- **Location(s)**: Columbus, Ohio (HQ).
- **Mission Statement**: To identify ways to minimize carbon loss and maximize retaining carbon in land, and reduce the effects of carbon on global climate change that will radically change plant, animal and human life if left unaddressed.
- **Additional Info**: The inter-disciplinary program, started in January 2001, is housed within the School of Natural Resources at the Ohio State University. It is an integral part of The Ohio Agricultural Research and Development Center of the College of Food, Agriculture and Environmental Sciences. The program focuses on understanding and enhancing the science, management and policy of carbon within terrestrial (i.e., soil and biotic) and aquatic (wetlands, reservoirs and flood plains) pools, their linkages with the atmospheric pool, and the effects of anthropogenic perturbations on these pools and linkages among them. It involves research, teaching and extension activities that address basic and applied issues of carbon dynamics in relation to the accelerated greenhouse effect.
- **Website**: <http://snr.osu.edu/cmasc/index.html>
- **Contact Person**: Dr. Rattan Lal, Professor of Soil Science & Director CMASC
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