

Oak Ridge National Laboratory DAAC (ORNL DAAC) in
Oak Ridge, TN

National Aeronautics and
Space Administration



NASA's Oak Ridge National Laboratory (ORNL) DAAC

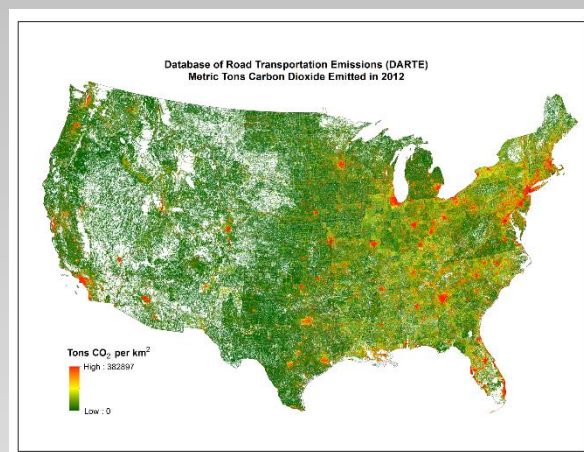
Biogeochemical Dynamics, Ecological Data,
Environmental Processes

NASA's ORNL DAAC is located at the Oak Ridge National Laboratory, and was founded under an interagency agreement between the National Aeronautics and Space Administration (NASA) and the Department of Energy (DOE). ORNL DAAC provides data and information relevant to biogeochemical dynamics, ecological data, and environmental processes critical for understanding the dynamics relating the biological, geological, and chemical components of Earth's environment.

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ORNL DAAC archives contain data from the following sources:

- Field Campaigns: Terrestrial Ecology intensive campaigns such as the Arctic-Boreal Vulnerability Experiment (ABOVE) and Large Scale Biosphere-Atmosphere Experiment in Amazonia (LBA)
- Earth Ventures: Carbon in Arctic Reservoirs Vulnerability Experiment (CARVE), Airborne Microwave Observatory of Subcanopy and Subsurface (AirMOSS)
- Land Validation: field data to assess accuracy of satellite data
- Model Archive: source code, input data, and output results
- Regional and global data: collections of environmental variables



The Database of Road Transportation Emissions (DARTE) records the amount of CO₂ emitted from vehicles on roads in the conterminous US each year from 1980 – 2012 at a spatial resolution of 1 km. The DARTE data were collected as part of NASA's Carbon Monitoring System. Get DARTE Data: <http://dx.doi.org/10.3334/ORNLDAAC/1285>

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