Atmospheric Chemistry, Carbon Cycle and Climate (AC4) Program

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Program Managers

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NOAA and OAR

NOAA's Mission: Science, Service and Stewardship
1. To understand and predict changes in climate, weather, oceans and coasts;
2. To share that knowledge and information with others; and
3. To conserve and manage coastal and marine ecosystems and resources.
Program Overview

What is AC4?

AC4 is a competitive research program which manages a portfolio of multi-year projects.

AC4 Goal: Determine the processes governing atmospheric concentrations of trace gases and aerosols in the context of the Earth System.

Other NOAA entities with similar focus:
ESRL/CSD, ESRL/GMD, ARL, GFDL, PMEL, NESDIS/STAR, NWS/NAQFC, OWAQ
FY13-FY19 Atmospheric Chemistry, Carbon Cycle, and Climate (AC4) Research Portfolio

Nitrogen Cycle

Atmospheric composition from space

CarbonTracker

Urban Atmosphere

Emissions and Chemistry of Wildfires (FIREX/FIREX-AQ)

Oil & Gas Emissions

Field Campaigns (FIREX-AQ, SENEX)

Process and Earth System Modeling

Sustained Observations

Emissions and Chemistry of Wildfires (FIREX/FIREX-AQ)
FY20 and beyond

FY 20 call: Urban atmosphere in a warming climate: chemistry, carbon and composition

Beyond: “FY21 solicitation for field efforts is also anticipated”

Looking forward to the outcome of this workshop!
Contact

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