



NATIONAL PRIORITIES: WATER SCARCITY AND DROUGHT KICK-OFF MEETING March 30, 2016

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U.S. EPA Organizational Chart

Office of the Administrator

Headquarters Offices

Office of Administration and Resources Management	Office of Air and Radiation
Chemical Safety and Pollution Prevention	Office of the Chief Financial Officer
Office of Enforcement and Compliance Assurance	Office of Environmental Information
Office of General Counsel	Office of Inspector General
Office of International and Tribal Affairs	Office of Research and Development
Office of Solid Waste and Emergency Response	Office of Water

Regional Offices (around the nation)

Region 1 / Boston	Region 2 / New York
Region 3 / Philadelphia	Region 4 / Atlanta
Region 5 / Chicago	Region 6 / Dallas
Region 7 / Kansas City	Region 8 / Denver
Region 9 / San Francisco	Region 10 / Seattle



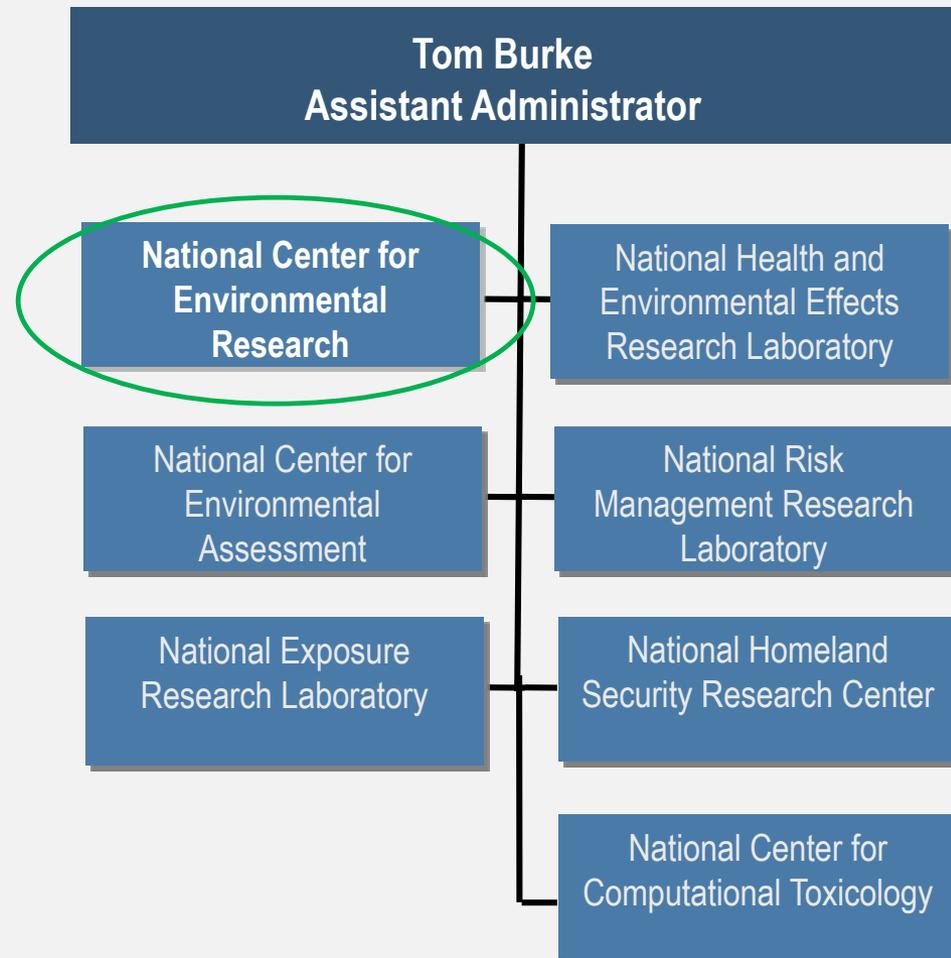
EPA Mission: To protect human health and the environment

ORD Research Programs



<http://epa.gov/research>

Office of Research and Development Labs and Centers



Research Questions

- How does drought affect water quality and availability?
- How do drought related events, such as surface runoff and wildfire, change water quality and availability?
- How can water quality changes driven by drought, such as changes in the timing and intensity of spring snowmelt and runoff, affect water quality?
- What adaptive management strategies and innovative, cost-effective technologies protect against drought impacts?
- How can management strategies and technologies be demonstrated in communities to facilitate adoption?

Kick-off Meeting Objectives

1. Announce new grants and meet the grantees.
2. Presentations from grantees on funded projects and research.
3. Enable researchers from recipient teams, EPA and other agencies to understand common interests and explore prospects for collaboration such as Cooperative Agreements.



Cooperative Agreement Benefits

- Build research relationships between PI and EPA
- Extend capacity of research “*whole* > Σ *parts*” expanding technical and personnel capacity
- Add valuable *real world* application
- Does not cost PI \$
- Does not affect scope of research
- Most research grants can be converted to cooperative agreements



Tanju Karanfil and Alex Chow Clemson University

Forest Fuel Reduction Techniques as Effective
Watershed Management Practices Against
Wildfire: Drinking Water Quality Aspects



Ellen Hanak and Jay Lund Public Policy Institute of California

Preparing for Water Scarcity: Learning from
California's Recent Drought

Michael Barber University of Utah



Predictions of Nonlinear Climate Variations Impacts on Eutrophication and Ecosystem Processes and Evaluation of Adaption Measures in Urban and Urbanizing Watersheds

Kenan Ozekin Water Research Foundation



Balaji Rajagopalan University of Colorado at Boulder



An integrated modeling and decision framework to evaluate adaptation strategies for sustainable drinking water utility management under drought and climate change



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<http://www.epa.gov/research-grants/>