

US EPA ARCHIVE DOCUMENT

EPA Research Forum: Advancing Public Health Protection through Water Infrastructure Sustainability

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National Center for Environmental Research*



EPA & ORD Mission



Environmental Protection Agency Mission:

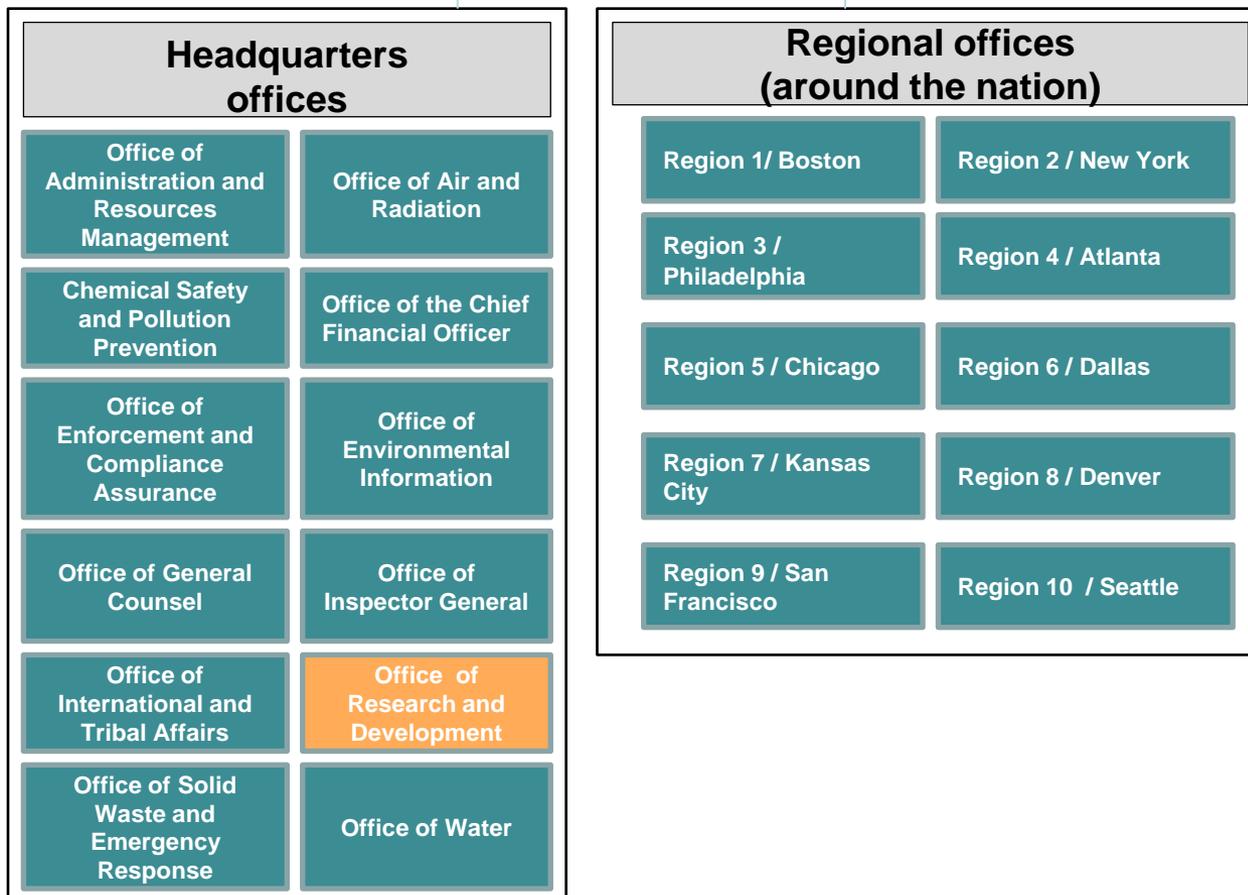
To protect human health & the environment.

Office of Research & Development Mission:

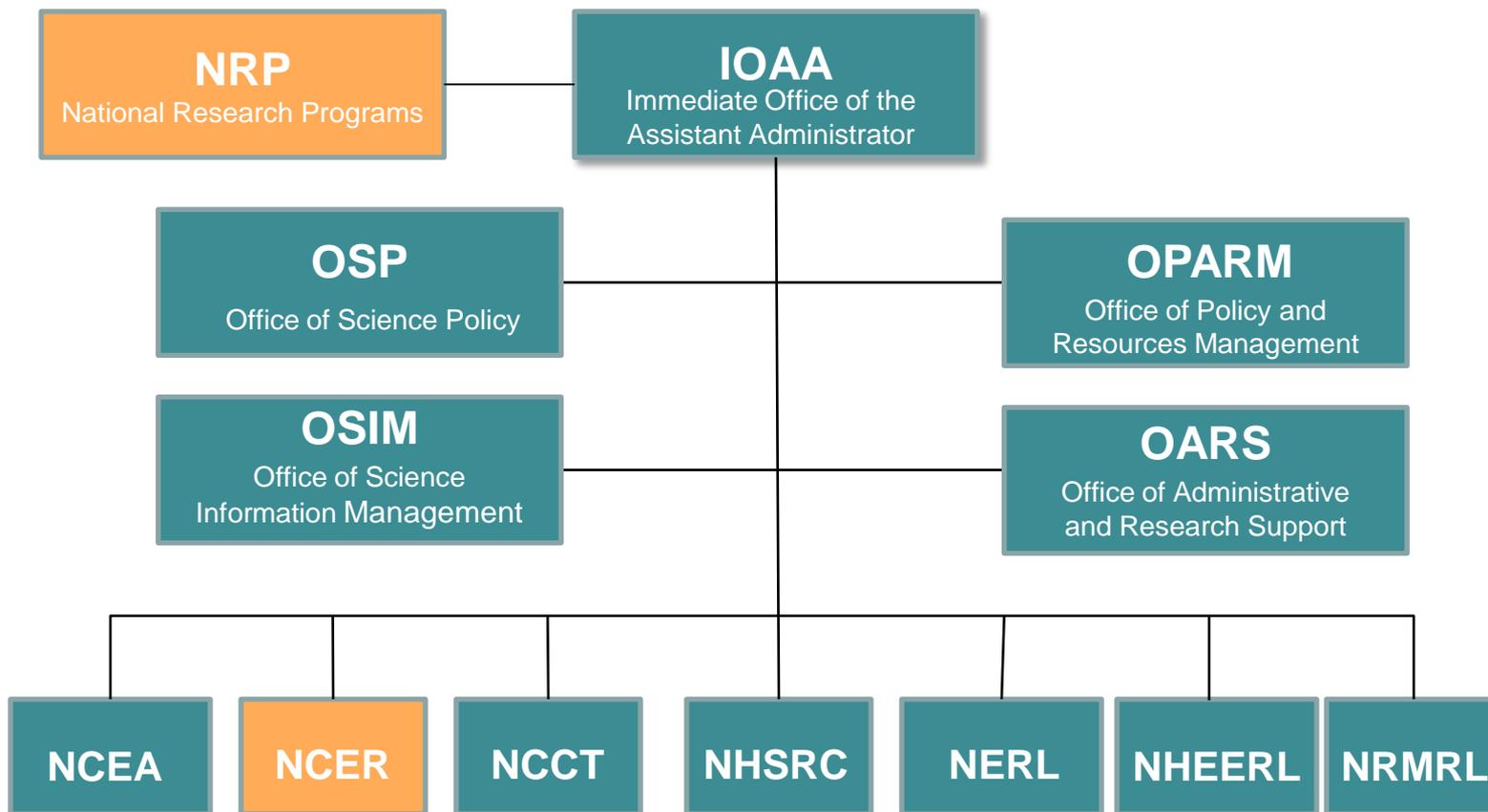
To conduct leading-edge research and foster the sound use of science and technology to fulfill EPA's mission to protect human health and the environment.

U.S. EPA Organization Chart

Office of the Administrator



ORD Organization Chart



National Research Programs



Homeland Security
Air, Climate & Energy
Safe & Sustainable Water Resource
Sustainable & Healthy Communities
Human Health Risk Assessment
Chemical Safety for Sustainability

National Center for Environmental Research

- **NCER Mission:**

- To support **high**-quality research by funding the nation's leading scientists and engineers to improve EPA's scientific foundation for decisions.

- **Vision Statement:**

- NCER engages the scientific community to advance research for sustainable solutions to human health and environmental challenges

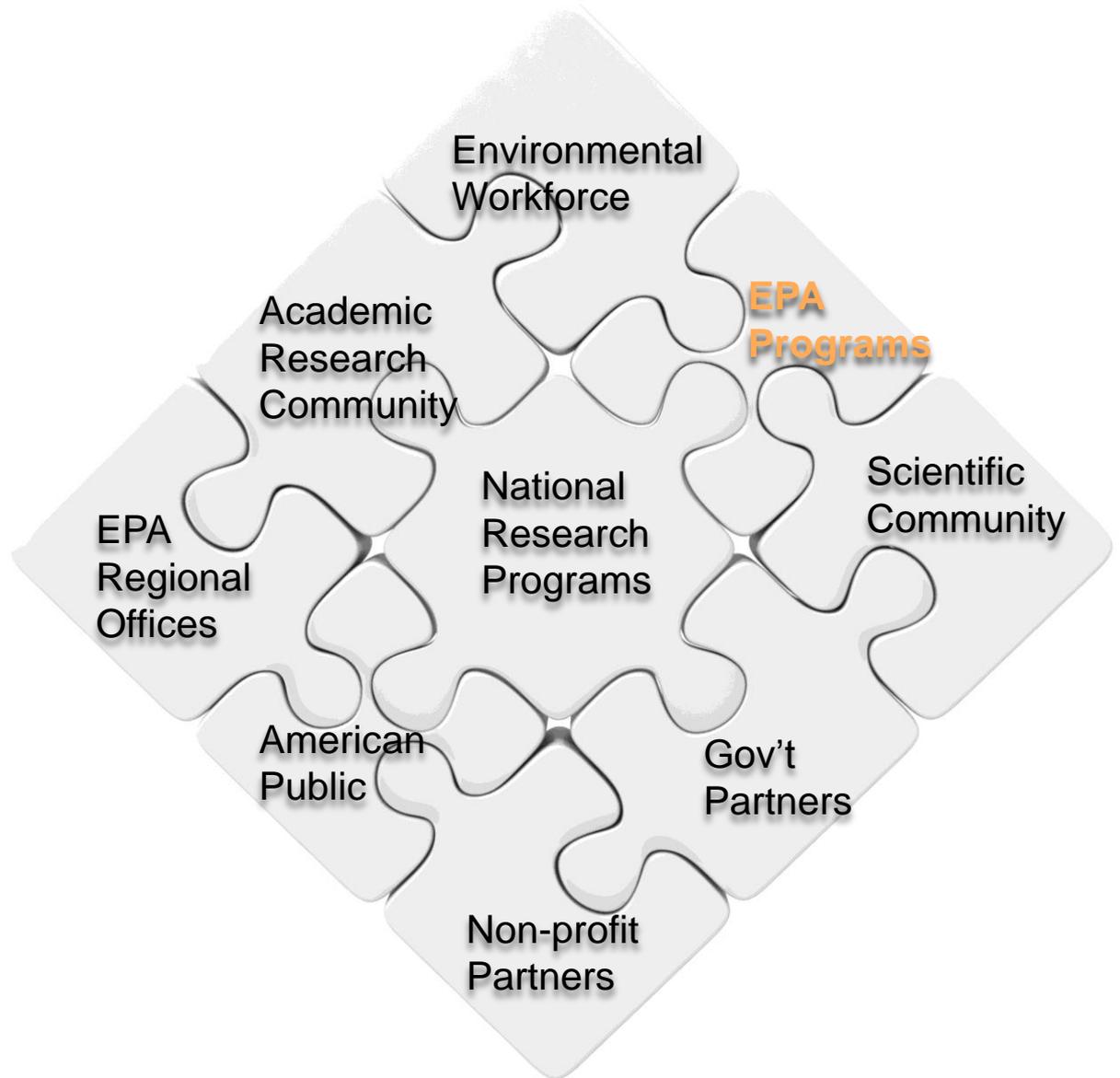
National Center for Environmental Research

- **Mantra:**

- *Researching a sustainable tomorrow today*

- NCER is divided into five divisions, 3 are science supported: TED (Technology and Engineering Division), ASD (Applied Science Division), and HRFD (Health Research and Fellowships Division)
 - PRD
 - RSD

Engaging Customers & Partners



National Center for Environmental Research

- Ideas from Customers
- Presented as concepts for RFAs
- RFAs developed and posted
 - Project officer plus program, lab and center team
- Proposals received and evaluated
 - Peer review
 - Programmatic review

Safe and Sustainable Water Resources

Applied Science Division



SSWR Vision – “One Hydrosphere”

- Research Area Focus
 - Sustainable Water Resources
 - Sustainable Water Infrastructure



Programs to Support the Environmental Workforce





SBIR Program Impacts

- Supporting small companies to develop innovative, commercializable environmental technologies that address priority needs across the Agency.
- Example 2012 EPA SBIR Topics
 - **Stormwater and Water Reuse (SSWR)**
 - **Innovation in Manufacturing (CSS/ACE/SSWR)**
 - **Green Building (SHC/CSS/ACE/SSWR)**
 - **Air Pollution Monitoring and Control (ACE)**
 - **Waste Monitoring (SHC)**
 - **Sustainable Utilization of Biomass (ACE/SSWR)**
 - **Drinking Water and Wastewater Systems Security (HS)**

People, Prosperity & the Planet (P3)



- Seeds innovations and grows next generation environmental workforce
- Addresses/develops environmental solutions to worldwide issues
- Promotes sustainability awareness and education



Fellowship Programs

Funding for Graduate and Undergraduate Students Interested in the Environment

- Science to Achieve Results (STAR)
 - Graduate Research Fellowships
- Greater Research Opportunities (GRO)
 - Undergraduate Research Fellowships
- **Partnerships**
 - Marshall Scholarship Program
 - Graduate Research Opportunities
 - American Association for the Advancement of Science (AAAS)
 - Association of Schools of Public Health (ASPH)



NCER Breakout – By the Numbers

180 Research grants awarded annually - 40 grants jointly with private sector partners

Average of 120 fellowships (Grad and Undergrad) awarded annually to approximately 280 universities and nonprofit research institutions

600-750 active research grants, 300 fellowships and approximately 150 peer reviews managed annually by NCER staff of scientists and engineers



Questions?

For more information about NCER visit:

www.epa.gov/ncer

**“Researching a sustainable
tomorrow today”**

