

# Practical Solutions to Protect Human Health and the Environment From Toxic Chemicals

The National Institute of Environmental Health Sciences (NIEHS) **Superfund Research Program (SRP)** supports research that helps protect people and the environment from hazardous substances.

The NIEHS SRP provides grants to research universities and small businesses to solve complex environmental health problems, with the goals of:

- Reducing hazardous contaminant cleanup costs.
- Decreasing exposure to contaminants.
- Improving human health.

SRP-funded researchers develop, test, and implement unique approaches to:



- Identify and evaluate health effects of exposures. *(Photo credit Duke University SRP Center)*



- Assess health risks. *(Photo credit University of Kentucky SRP Center)*



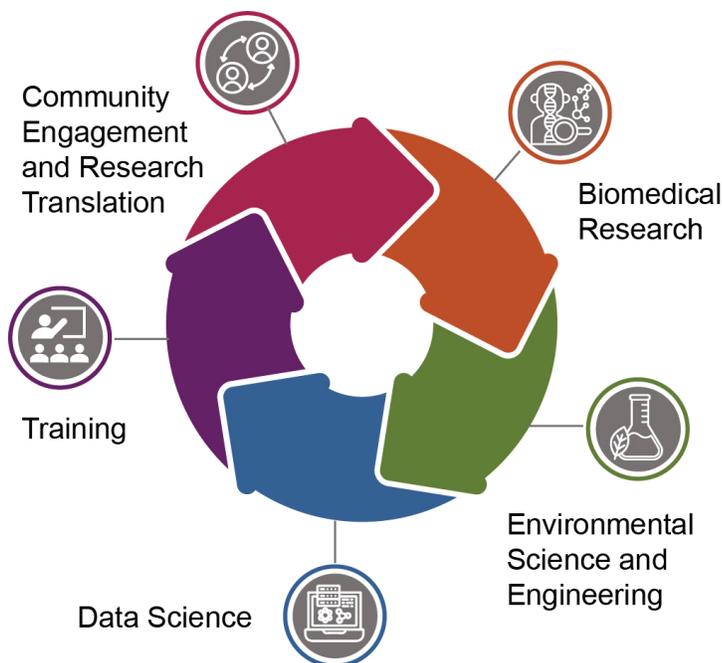
- Detect contaminants in air, water, and soil. *(Photo credit University of Arizona SRP Center)*



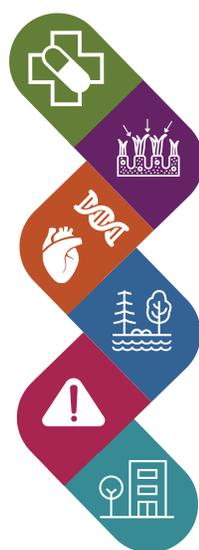
- Reduce the amount and toxicity of contaminants. *(Photo credit University of Iowa SRP Center)*

Their efforts have resulted in significant human health, economic, and other wide-ranging benefits to communities and the environment.

## SRP's Multidisciplinary Systems Approach



## What SRP Grantees Are Learning



### How to Prevent Disease:

Interventions, nutrition, therapies

### How to Reduce Exposures:

Remove and degrade contaminants

### How Exposures Affect Health:

Cardiovascular disease, metabolic outcomes, neurological outcomes, cancer

### How People Are Exposed:

Air, water, soil, food

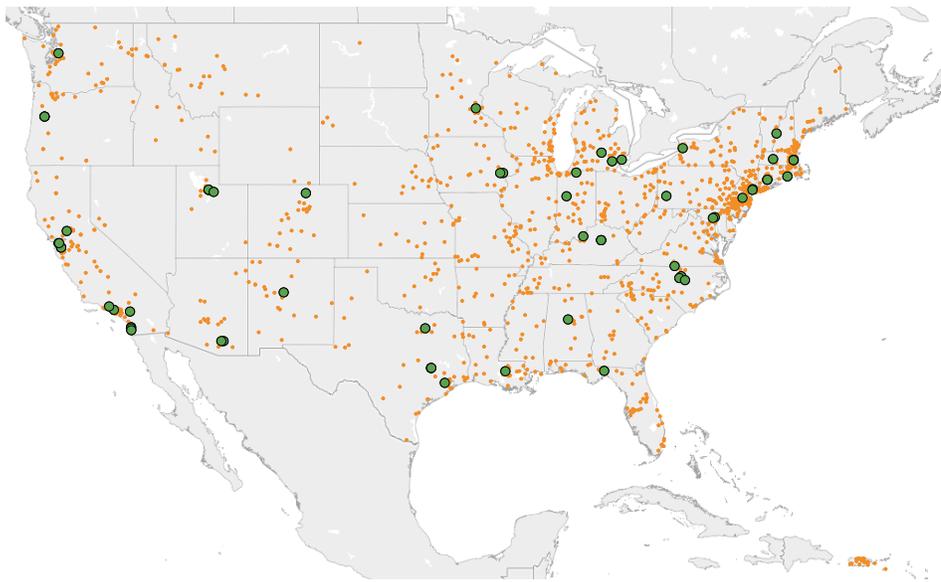
### What People Are Exposed to:

Organic and inorganic contaminants, metals, PFAS, emerging contaminants, etc.

### Other Contributing Factors:

Microbiome, stress, built environment, complex exposures

## SRP-Funded Institutions and Superfund Sites on the National Priorities List

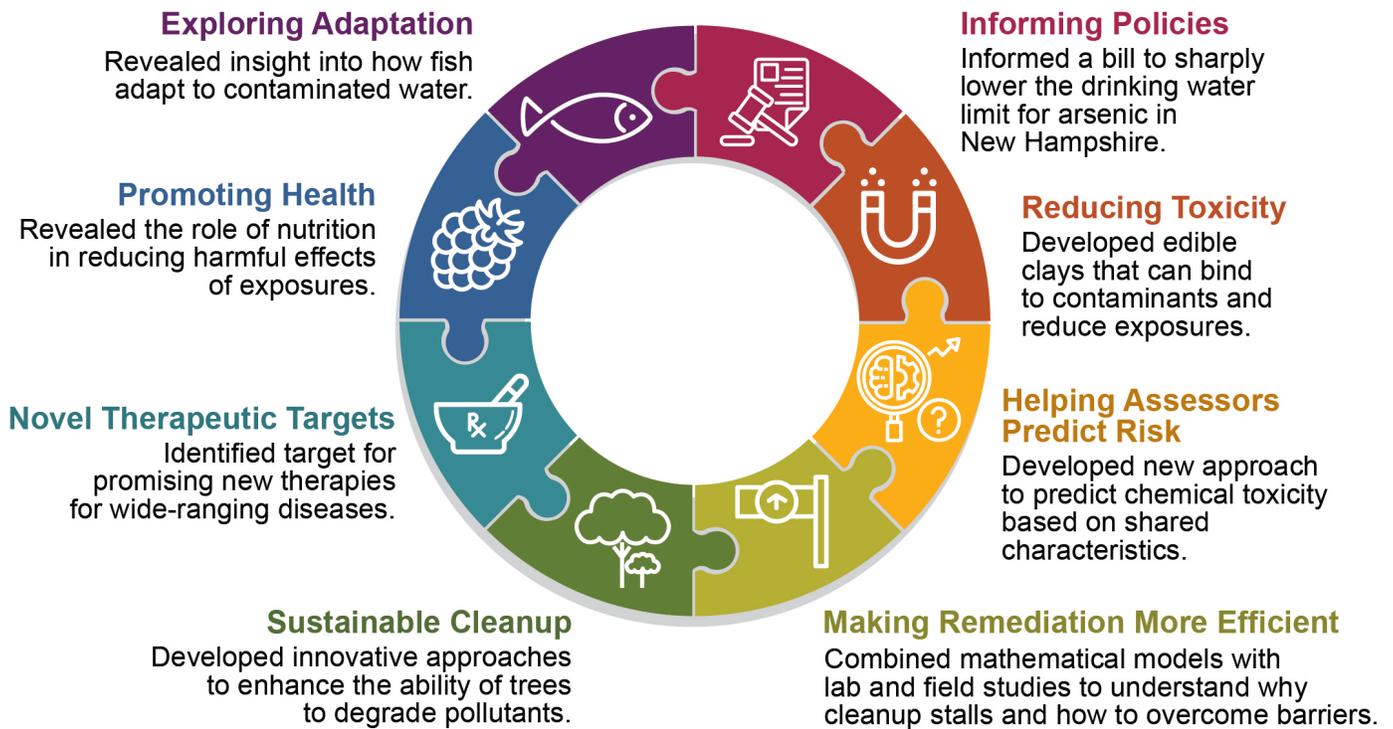


KEY: ● SRP Grantee ● Superfund Site

## By the Numbers: Outcomes of SRP's Approach Since the Program's Inception

- 350+ Hazardous waste sites studied
- 200+ Patented technologies to detect and clean up waste
- 1,300+ Researchers funded
- 2,500+ Pre- and postdoctoral researchers trained

## Benefits of SRP-Funded Research



To learn more about these and other projects, please visit the SRP Public Health Impacts page:

<https://niehs.nih.gov/research/supported/centers/srp/phi>

To learn more about the Superfund Research Program, please visit the SRP website: <https://niehs.nih.gov/srp>