

Program Overview: SERDP & ESTCP

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Strategic Environmental Research and Development Program (SERDP)

- Established by Congress in FY 1991
 - 10 U.S.C. Section 2901 2904
 - DoD, DOE, and EPA partnership
 - 6.3 Program Element with statutory authority to support 6.1 through 6.3
- High-priority environmental science and technology areas that address
 - DoD unique issues
 - Environmental issues with large costs to DoD

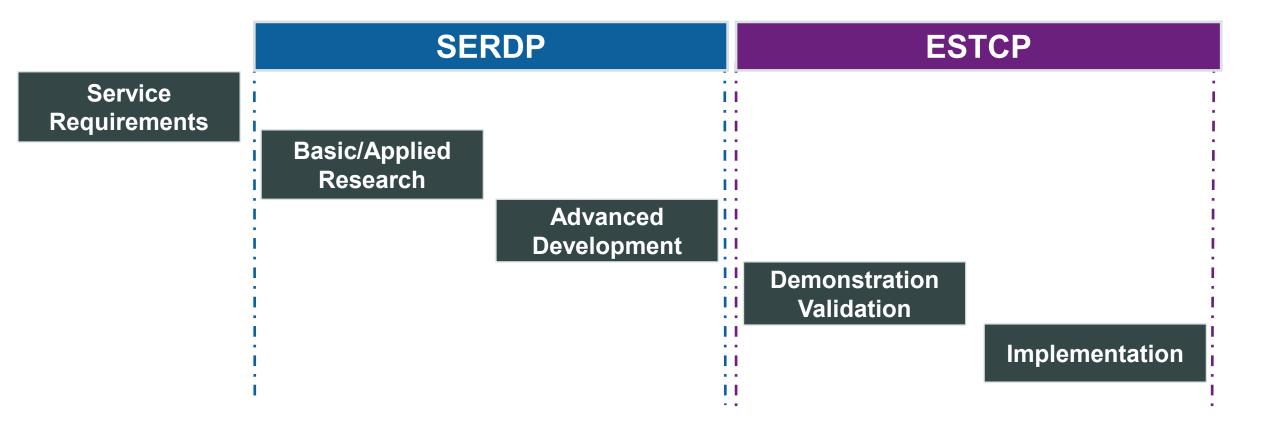


Environmental Security Technology Certification Program (ESTCP)

- Established by DoD in FY 1995
 - 6.4 Demonstration/validation program
- Demonstrate innovative cost-effective environmental and energy technologies
 - Capitalize on past investments
 - Transition technology out of the lab
- Promote implementation
 - Facilitate regulatory acceptance



Environmental Technology Development Process





Environmental and Energy Drivers



Installation Resilience

Range Sustainment

Wildland Fire

Threatened & Endangered Species



Reduction of Current and Future Liability

Impact from Past Practices



- Groundwater, soils and sediments
- Large UXO liability
- Chemicals of emerging concern such as PFAS

Control Life Cycle Costs



- Elimination of pollutants & hazardous materials in manufacturing, maintenance, and operations
- Develop and assess alternative technologies and materials



Program Area Management Structure

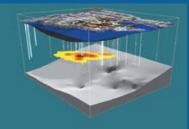
Weapons Systems & Platforms





Resource Conservation & Resilience

Environmental Restoration





Munitions Response

ESTCP Only Energy and Water





Climate Resilience



Focus Areas



CORROSION & PFAS & INSTALLATION **MUNITIONS** SUSTAINABLE **EMISSIONS &** INSTALLATION REPAIR WASTE RESILIENCE RESTORATION RESPONSE **ENERGETICS** AFFF **TECHNOLOGIES** REDUCTION

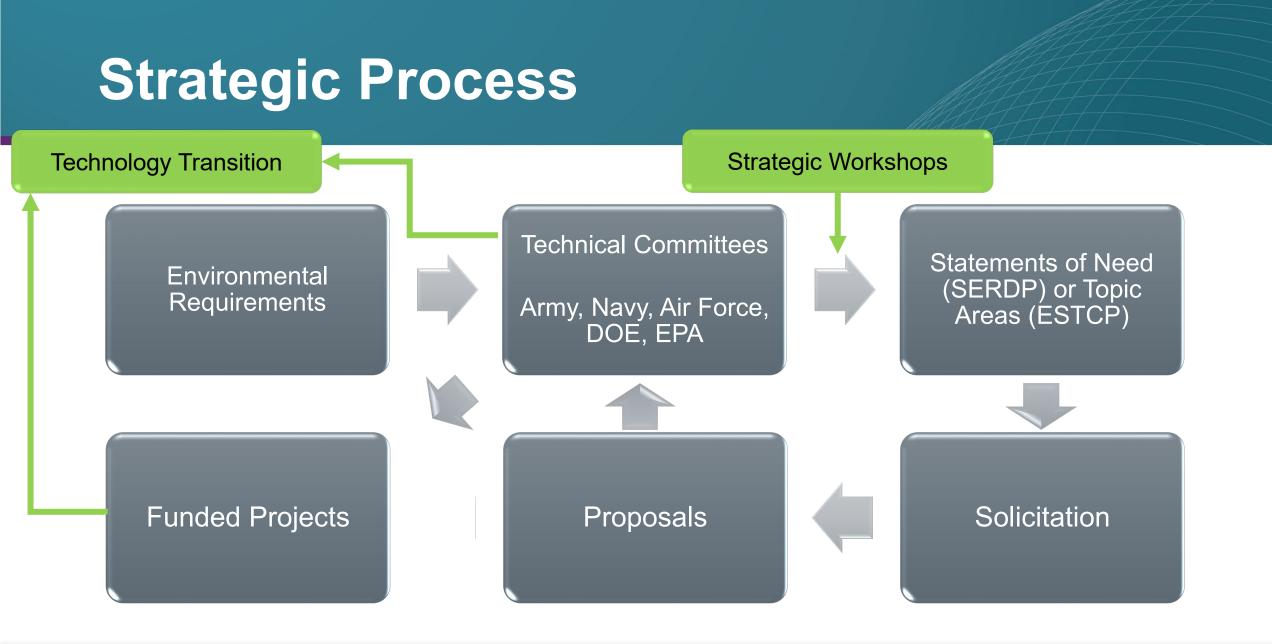


Investment Approach

- Longer term strategic plans to address high priority requirements
 - Groundwater liability, live fire ranges, UXO, marine mammals and sonar, eliminating Cr+6 etc.
 - Issue-specific workshops form basis for strategic plans
- Focus on sustainability and O&M Costs
 - Reduce costs and long-term vulnerability at installations and ranges
 - Reduce life cycle costs of weapon systems
- Responsive to evolving requirements
 - Emerging chemicals of concern
 - Pb-free electronics
 - Policy goals









Website: www.serdp-estcp.org





- Investigators from all funded projects attend and present results to date
- Over 20 different technical tracks with over 100 platform presentations
- Over 300 posters

