

DoD's Environmental Research Programs



www.serdp-estcp.org

The Strategic Environmental Research and Development Program (SERDP) and the Environmental Security Technology Certification Program (ESTCP) are the Department of Defense's (DoD) environmental research programs, harnessing the latest science and technology to improve DoD's environmental performance, reduce costs, and enhance and sustain mission capabilities. The Programs respond to environmental technology requirements that are common to all of the military Services, complementing the Services' research programs. SERDP and ESTCP promote partnerships and collaboration among academia, industry, the military Services, and other Federal agencies. They are independent programs managed from a joint office to coordinate the full spectrum of efforts, from basic and applied research to field demonstration and validation.

SERDP and ESTCP offer funding in five program areas – Environmental Restoration, Installation Energy and Water, Munitions Response, Resource Conservation and Resiliency, and Weapons Systems and Platforms.

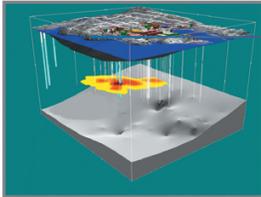


SERDP is DoD's environmental science and technology program, planned and executed in partnership with the Department of Energy and the Environmental Protection Agency, with participation by numerous other federal and non-federal organizations. The Program invests in basic and applied research and advanced development. The development and application of innovative environmental technologies will reduce the costs, environmental risks, and time required to resolve environmental problems, while at the same time, enhancing and sustaining military readiness.



ESTCP is DoD's environmental technology demonstration and validation program. The Program was established to promote the transfer of innovative technologies that have successfully established proof of concept to field or production use. ESTCP demonstrations collect cost and performance data to overcome the barriers to employ an innovative technology because of concerns regarding technical or programmatic risk. To ensure the demonstrated technologies have a real impact, ESTCP collaborates with end users and regulators throughout the development and execution of each demonstration.

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Environmental Restoration

Research and technologies for the characterization, risk assessment, remediation, and management of contaminants in soil, sediments, and water.



Installation Energy and Water

Technologies to improve energy efficiency, increase the use of renewable energy, and enhance water conservation on DoD installations.



Munitions Response

Technologies for the detection, classification, and remediation of military munitions on U.S. lands and waters.



Resource Conservation and Resiliency

Research that advances DoD's management of its built and natural infrastructure in a sustainable way.



Weapons Systems and Platforms

Research and technologies to reduce, control, and understand the sources of waste and emissions in the manufacturing, maintenance, and use of weapons systems and platforms.