

APPENDIX A

DoD ESTCP Topic Areas

Topic 1: Environmental Restoration (ER)

Proposals in this topic area should address the reduction of the Department's current liabilities and prevention of future liabilities through the demonstration of technologies or tools for the cost-effective management and remediation of chemical contaminants in soil, sediments, and ground and surface water. Areas of interest include:

Monitoring

Demonstrate technologies for the assessment or long-term monitoring of chemical contamination or biogeochemical indicators in soils, sediments, and water.

Reduction in Cost to Complete

Demonstrate innovative tools, methodologies, or technologies that can reduce the Cost to Complete for contaminated groundwater by improving assessment or optimizing treatment.

Containment and Protection

Demonstrate cost-effective technologies that successfully sequester or otherwise contain contaminants for the foreseeable future, and are protective of water resources.

Exposure and Bioavailability

Demonstrate tools to assess exposure routes and the factors that affect the bioavailability of contaminants in the environment.

Risk Assessment

Demonstrate the techniques and protocols for producing accurate and consistent risk assessments of the impacts of environmental exposure to contaminants.

A recent area of interest is green and sustainable remediation related to Executive Order 13514, which sets sustainability and energy goals throughout the federal government. Specifically, DoD goals are focused on increased energy efficiency; measurement and reduction of greenhouse gas emissions from direct and indirect activities; conservation and protection of water resources through efficiency, reuse, and stormwater management; elimination of waste, increased recycling, and pollution prevention; and fostering markets for sustainable technologies and environmentally preferable materials, products, and services. When applicable, proposers should consider how such issues may be addressed within the context of management and remediation of chemical contaminants in soil, sediments, and ground and surface water.

POINT OF CONTACT:

Dr. Andrea Leeson

Program Manager for Environmental Restoration (ER)

Environmental Security Technology Certification Program (ESTCP)

901 North Stuart Street, Suite 303

Arlington, VA 22203

Phone: 703-696-2118

E-mail: Andrea.Leeson@osd.mil