

SERDP Funding Opportunities

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SERDP Executive Director



DoD's Environmental Technology Programs



- **Demonstration / Validation**
- **Science and Technology**

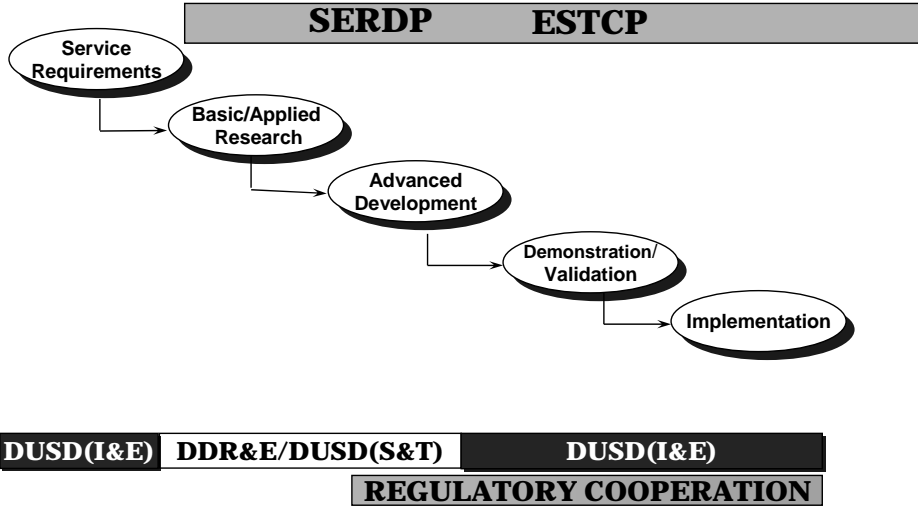
Strategic Environmental Research and Development Program (SERDP)



- Established by Congress in FY 1991
 - ◆ DoD, DOE, and EPA partnership

- SERDP is a requirements driven program that:
 - ◆ Identifies high-priority environmental science and technology investment opportunities that address DoD requirements
 - Advanced technology development to address near term needs
 - Fundamental research to impact real world environmental management

Environmental Technology Development Process



Environmental Drivers



Sustainability of Ranges Facilities and Operations



Maritime Sustainability



Threatened and Endangered Species



Toxic Air Emissions and Dust



**UXO & Munitions
Constituents**



**Urban Growth &
Encroachment**



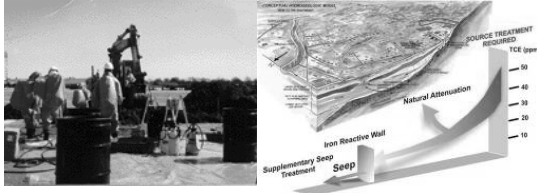
Noise

Environmental Drivers



Reduction of Current and Future Liability

Contamination from Past Practices



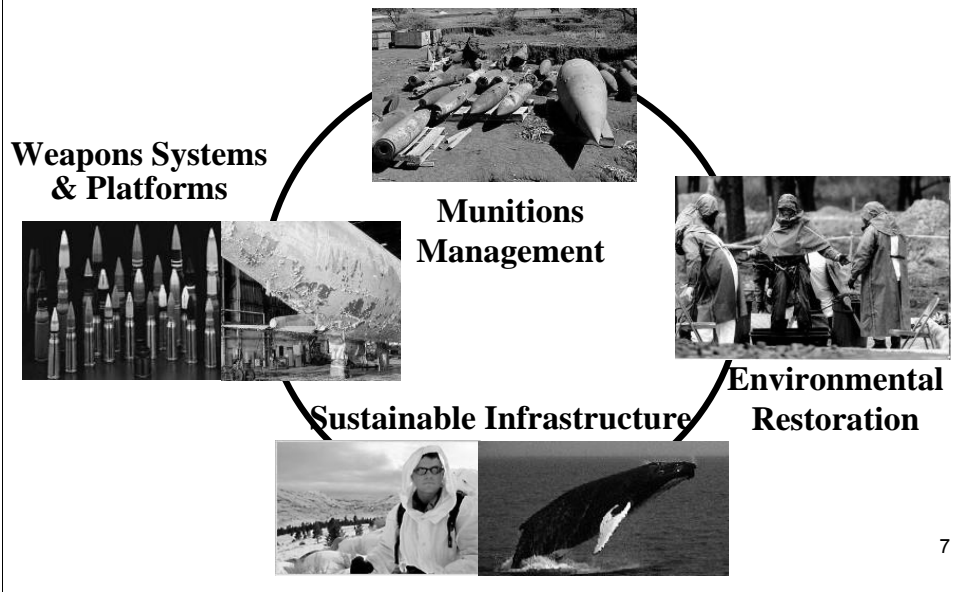
- Groundwater, Soils and Sediments
- Large UXO Liability
- Emerging Contaminants

Pollution Prevention to Control Life Cycle Costs

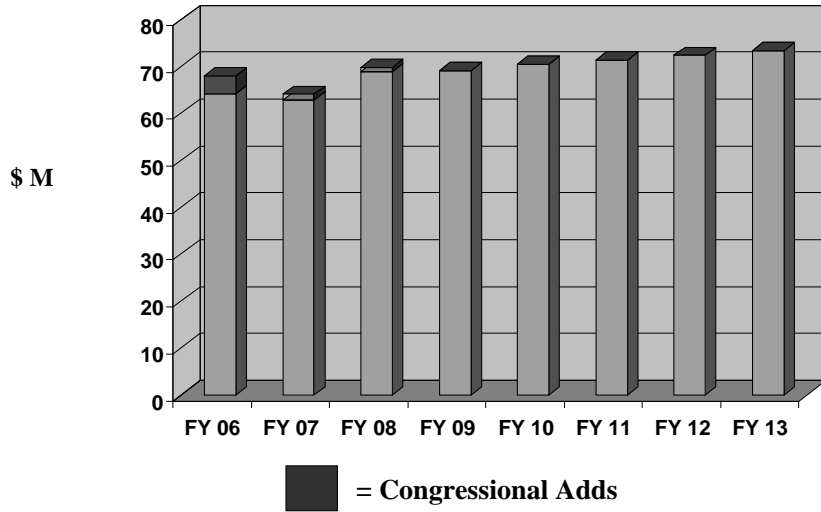


- Elimination of Hazardous Materials Reduces Cost of Operation, Repair & Demil
- Goal is to achieve Compliance Through Pollution Prevention

Focus Area Management Structure



SERDP Funding



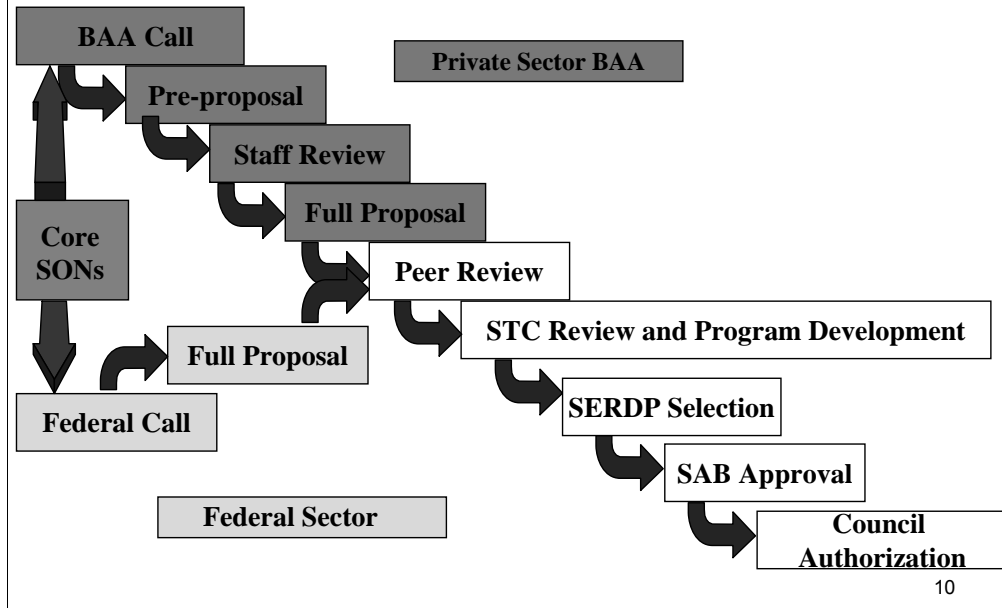
SERDP Solicitations



- CORE Statements of Need: 14 SONs
 - ◆ Multiple awards per SON
 - ◆ Multi-year Proposals & Limited Scope Proposals
 - ◆ Broad Agency Announcement (BAA)
 - Universities, Industry and non-governmental organizations
 - Pre-proposal required
 - ◆ Federal Call
 - fixed number of multi-year proposal per agency
 - No restriction on limited scope proposals

- SEED Statements of Need: 3 SEED SONs
 - ◆ \$150K or less and approximately 1 year
 - ◆ Seeks innovative high risk and high payoff work
 - ◆ BAA and Federal Call

Core Solicitation Process





Core Solicitation Dates

- **Broad Agency Announcement**
 - ◆ Pre-proposals due: 4 PM January 8, 2009
 - Full Proposal requested by: February 5, 2009
 - ◆ Full proposals due: 4 PM March 12, 2009

- **Call to Federal Agencies**
 - ◆ Full Proposals due: 4 PM March 12, 2009
 - Check with agency's POC to determine internal due dates

- **Proposers notified July 2009**
- **SAB Presentation (if required) Sept. or Oct. 2009**

Visit the SERDP web site for Details
www.serdp.org/funding

FY09 Core Solicitation Success Statistics



	Pre-proposal	Full Proposal
SERDP BAA	15%	37%
SERDP Federal	-	19%
SERDP All	-	27%
NIEHS* (R01)	-	21%
NSF* (overall)	-	26%
Engineering	-	19%
Environmental Biology	-	20%
Geosciences	-	31%

* Average for 2006 and 2007

SEED Solicitation Process





SEED Solicitation Dates

- SERDP SEED Solicitation
 - ◆ Proposals due by: 4 PM March 12, 2009
 - Government, Universities, Industry and NGO
- Proposers notified July 2009

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FY10 Statements of Need

FY10 Statements of Need

Environmental Restoration

- Predictive Techniques for Assessment of the Environmental Impact of New Munition Compounds
- Improved Fundamental Understanding of Contaminant Bioavailability in Aquatic Sediments
- Mechanisms of Contaminant Interaction with Soil Components and its Impact on the Bioavailability of Contaminants
- The Impact of Contaminant Matrix Storage on Chlorinated Solvent Groundwater Plumes

FY10 Statements of Need

Sustainable Infrastructure

- Southwest Ecological Systems on DoD Lands: Altered Fire Regimes, And Non-Native Invasive Species
- Managing and Restoring Southwest Intermittent and Ephemeral Stream Systems on DoD Lands
- Fugitive Dust Emission Due to DoD Activities
- SEED: Innovative Control/Eradication Approaches for The Brown Tree Snake

FY10 Statements of Need

Weapons Systems and Platforms

- Scientific Understanding of the Impact of Lead Free Electronics
- Environmentally Benign Alternative to Sulfur Hexafluoride in DoD Applications
- Sustainable Materials and Processes for Resins and Fibers Used in Military Composites
- Environmentally Friendly, Non-Aqueous Cleaners for use on Weapons Systems
- Environmentally Benign, High-Performance Non-Media Paint Strippers
- SEED: Replacement of Ammonium Perchlorate in Tactical Missile Rocket Motors

FY10 Statements of Need

Munitions Management

- Improvements in the Detection and Remediation of Underwater Military Munitions
- Advanced Technologies for Detection, Discrimination, and Remediation of Military Munitions
- SEED: Advanced Technologies for Detection, Discrimination, and Remediation of Military Munitions on Land and Underwater

Core Selection Criteria

- Relevance (Pass/Fail)
 - ◆ Does it address the SON Objective?
 - ◆ Is it basic research applied research or advanced technology development?
- Technical Merit
 - ◆ Overall scientific and technical merit of the submission
- Personnel
 - ◆ Qualifications capabilities and achievements
- Cost
 - ◆ Reasonableness for the technical complexity
- Transition Plan
 - ◆ Plan to transition to implementation or future development

SEED Selection Criteria

- **Relevance (Pass/Fail)**
 - ◆ Does it address the SON Objective?
 - ◆ Is it basic research applied research or advanced technology development?
- **Technical Merit**
 - ◆ Overall scientific and technical merit of the submission
 - ◆ Strong consideration will be given to innovation
- **Transition Potential**
 - ◆ Clear identification of the critical proof of concept
 - ◆ Identification of the future development path

Hallmarks of a Competitive Proposal

- Clearly Addresses the Statement of Need
- Demonstrates an understanding of the State of the Science
- Hypothesis Driven Work
- Focused on the Technical Approach
 - ◆ Detailed approach
 - ◆ Clear experimental design

**Sponsored By
SERDP and ESTCP**



SERDP

Partners in Environmental Technology
Technical Symposium and Workshop

**December 2-4, 2008
Marriott Wardman Park Hotel
Washington, D.C.**



SERDP Webpage

SERDP STRATEGIC ENVIRONMENTAL RESEARCH
& DEVELOPMENT PROGRAM

www.serdp.org

After viewing the links to additional resources,
please complete our online feedback form.



Thank You

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