

# Munitions Response



# UPDATES

Welcome to our biannual Munitions Response newsletter, where we'll be providing periodic updates about new information & products available from the Munitions Response Program Area.

## Second SERDP Workshop on Acoustic Detection and Classification of UXO in the Underwater Environment

SERDP and Noblis, Inc. hosted a second SERDP workshop on the acoustic detection and classification of underwater unexploded ordnance (UXO) in 2017, and the [Workshop Report](#) has just been posted. The workshop brought together modelers and experimentalists working in the SERDP Underwater Munitions program, Office of Naval Research (ONR) Program Managers, and other knowledgeable members of the field to evaluate recent progress in development of acoustics sensing and processing, platform development to detect and classify underwater munitions, and to recommend future research and development (R&D) initiatives.



The workshop began with a series of overview presentations. The first presentation was a reminder of the state of the art as of 2013, the first workshop in this series. This was followed by a review of ONR's current focus areas and programs in Mine Countermeasures (MCM). Further insight into both the MCM and munitions remediation efforts of the Navy was gained via a presentation by the Naval Surface Warfare Center, Panama City Division. Finally, a description of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process as used for munitions response was presented by the U.S. Army Corps of Engineers (USACE).

The bulk of the workshop was organized around breakout sessions, which focused on sensors, detection and classification, and deployment platform requirements in sequence. Results from those sessions were then reported to and discussed by the larger group. These discussions are summarized in the report.

The final topic covered in the workshop was a discussion among all participants of remaining R&D and demonstration efforts that can serve to organize the way ahead in the SERDP and ESTCP programs. This topic, addressed in Section 7 of the workshop report, will inform the Munitions Response Technical Committee and should be of value to those preparing proposals for future solicitations in this area.

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## Recently Released Documents, Available for Download

- MR-201231: "Quality Control Methodologies for Advanced EMI Sensor Data Acquisition and Anomaly Classification" - [Technical Report](#)
- MR-201231: "ESTCP Munitions Response Live Site Demonstrations - Andersen Air Force Base, Guam" - [Technical Report](#)

Strategic Environmental Research and Development Program (SERDP) Environmental Security Technology Certification Program (ESTCP)  
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- MR-201231: "Quality Control Methodologies for Advanced EMI Sensor Data Acquisition and Anomaly Classification" - [Cost and Performance Report](#)
- MR-201233: "Demonstration of ROV-based Underwater Electromagnetic Array Technology" - [Cost and Performance Report](#)
- MR-201313: "Phase III Underwater Advanced Time-Domain Electromagnetic System" - [Demonstration Report](#)
- MR-201420: "Data Collection using the MetalMapper in Dynamic Data Acquisition and Cued Modes" - [Cost and Performance Report](#)
- MR-201421: "Practical UXO Classification: Enhanced Data Processing Strategies for Technology Transition - Fort Ord" - [Demonstration Report](#)
- MR-2500: "Effects of Target Corrosion/Bio-fouling on EMI & Structural Acoustic Signatures in Underwater Environments" - [Final Report](#)

## Key Events and Meetings

### November 27 - 29, 2018 - SERDP-ESTCP 2018 Symposium

The SERDP and ESTCP Symposium is a nationally-recognized conference focusing on the U.S. Department of Defense's (DoD's) priority environmental and installation energy issues. The 2018 Symposium will be held from November 27 - 29, 2018, at the Washington Hilton Hotel in Washington, D.C. Planning has begun, and this year's meeting is shaping up to be an excellent event. As in years' past, the 2018 Symposium will be centered on technical sessions that span the wide spectrum of SERDP and ESTCP investments. The technical sessions will be complemented by two poster sessions that highlight SERDP- and ESTCP-funded efforts along with the relevant work of others in the community. As in previous years, several short courses will be offered to provide attendees the opportunity to dive deeper into different topics and earn continuing education credits.



The Symposium attracts members of the end-user and research communities along with DoD leadership and regulators. There will be a variety of networking opportunities for the more than 1,000 attendees from the military services; academic and research institutions; private sector technology and environmental firms; and Federal, state, and local regulatory and policy-making organizations. Additional details are being added to the [Symposium website](#) as the technical program is developed.

## Upcoming Conferences

### Summer 2018 - SERDP/ESTCP Test Site for Demonstrations Meeting

SERDP/ESTCP will hold a meeting this summer (date to be determined) to discuss potential test sites that meet the needs of the SERDP/ESTCP program. Topics for discussion will include identifying potential locations of test sites, requirements, and structure of test beds for future use. The development, research, and engineering requirements of a deployable test bed will also be discussed.

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## December 2018 - National Association of Ordnance Contractors (NAOC) Annual General Membership Meeting

The General Membership Meeting provides member firms an opportunity to participate in the association's leadership selection process, network with other member firms, visit with old friends, attend speaker sessions and participate in discussions regarding the most current subjects of interest to the industry. [MORE](#)

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