

### **Topic 3: Resource Conservation**

Proposals in this topic area should support the sustainability of installations and training and testing areas. Areas of interest include:

#### **Natural Resources**

Demonstrate the tools, technologies, and methodologies for the sustainable management of natural resources on DoD installations.

**Ecological Systems:** Demonstrate the tools, technologies, and methodologies for the management of ecological systems integral to DoD installations to ensure the continued availability of realistic training scenarios and testing conditions while preserving the long-term viability of installation and regional biological diversity and associated ecological processes. Ecological systems of emphasis are: forested ecosystems, arid land ecosystems, ecosystems associated with the Pacific Islands, and coastal and estuarine ecosystems.

**Living Marine Resources Ecology and Management:** Demonstrate the tools, technologies, and methodologies to minimize the impacts of military operations on marine mammals and other marine resources.

**Watershed Processes and Management:** Demonstrate the tools, technologies, and methodologies for the management of the abiotic and biotic aspects of the land and water resources within an installation to limit the degradation of land and surface waters due to erosion, siltation, and runoff.

**Species Ecology and Management:** Demonstrate the tools, technologies, and methodologies for the active management of invasive species and listed and at-risk species.

#### **Cultural Resources**

Demonstrate the tools, technologies, and methodologies for the cost-effective detection, evaluation, and impact mitigation of cultural resources on installations.

#### **Air Quality**

Demonstrate the tools, technologies, and methodologies for the active management of fugitive dust and fire emissions.

DoD investigators also are encouraged to submit proposals through the DoD submittal process that respond specifically to either one of the two Broad Agency Announcement (BAA) topic areas (Topics 4 and 5 in the BAA Instructions) for the Resource Conservation and Climate Change program area in FY12. These topics represent areas of particular interest to ESTCP.

#### **POINT OF CONTACT**

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