



US Army Corps of Engineers

Institute for Water Resources

BUILDING STRONG®

SAGE (2012)

Status: **Project Manager:**

In Progress [Debbie Larson-Salvatore](#)

Purpose: To explore the concept of hybrid engineering, linking 'hard' infrastructure with soft 'ecosystem-based' approaches and seek solutions to minimize impact from changing weather patterns and changing climate trends impacting America's coastal communities and shoreline.

Objective: To further develop and expand shared understanding of the SAGE Concept. Define SAGE and articulate concept with tri-agency partners utilizing the draft SAGE Concept Paper.

Developing SAGE Road Map, which will include:

1. Developing inventory of experience inside and outside USACE utilizing a hybrid engineering approach, integrating gray and green methodologies for coastal landscape transformation.
 2. Determine membership and organizational structure of SAGE initiative to move forward and for decision-making purposes.
 3. Develop Vision for I-Sage (Imagine SAGE).
 4. Develop Strategic Communications and Outreach Plan
 5. Co-sponsor National Workshop hosted at Virginia Institute of Marine Science
 6. Develop research and data needs for SAGE
 7. Development of SAGE process. Selection of pilot effort(s)
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Benefits: Minimize coastal erosion, maintain coastal processes, reduce coastal storm damage, enhance shoreline natural habitats, minimize impacts from climate change, create more resilient coastal communities, improve marine habitat and spawning areas, reduce property loss, less costly

Progress:

Products:

- [Draft SAGE Concept Paper](#)(vnd.openxmlformats-officedocument.wordprocessingml.document, 19 KB)
(interim)
 - [SAGE Kick-Off Meeting agenda](#)(vnd.openxmlformats-officedocument.wordprocessingml.document, 50 KB)
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Related Links:**Partners:**

- [Engineer Research and Development Center \(ERDC\)](#)
- [FEMA](#)
- [Institute for Water Resources](#)
- International Conservation Fund
- [National Oceanic and Atmospheric Administration](#)
- [NOAA Coastal Services Center](#)
- NOS
- [The Nature Conservancy](#)
- [William and Mary](#)