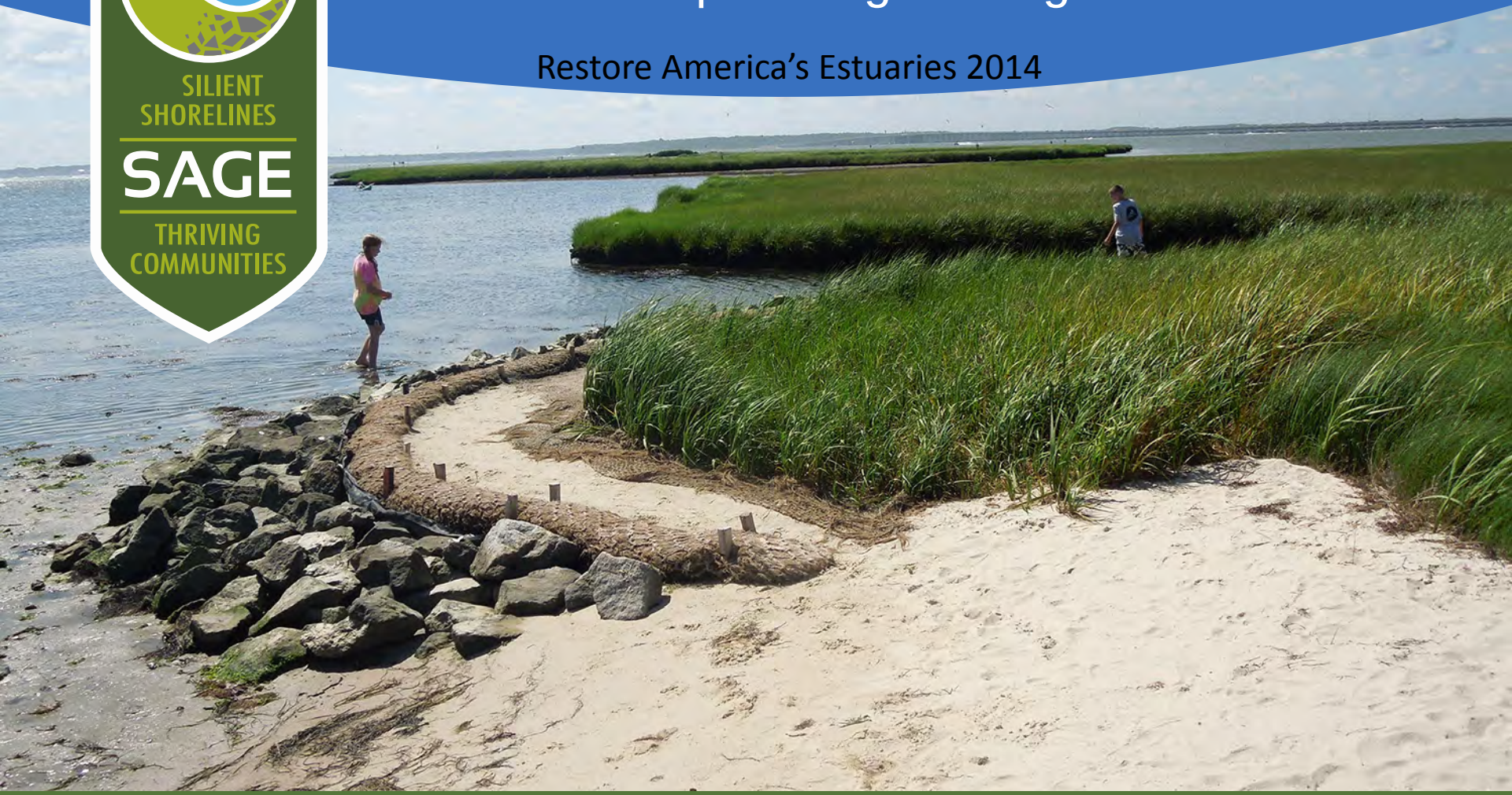
SAGE COMMUNICATIONS

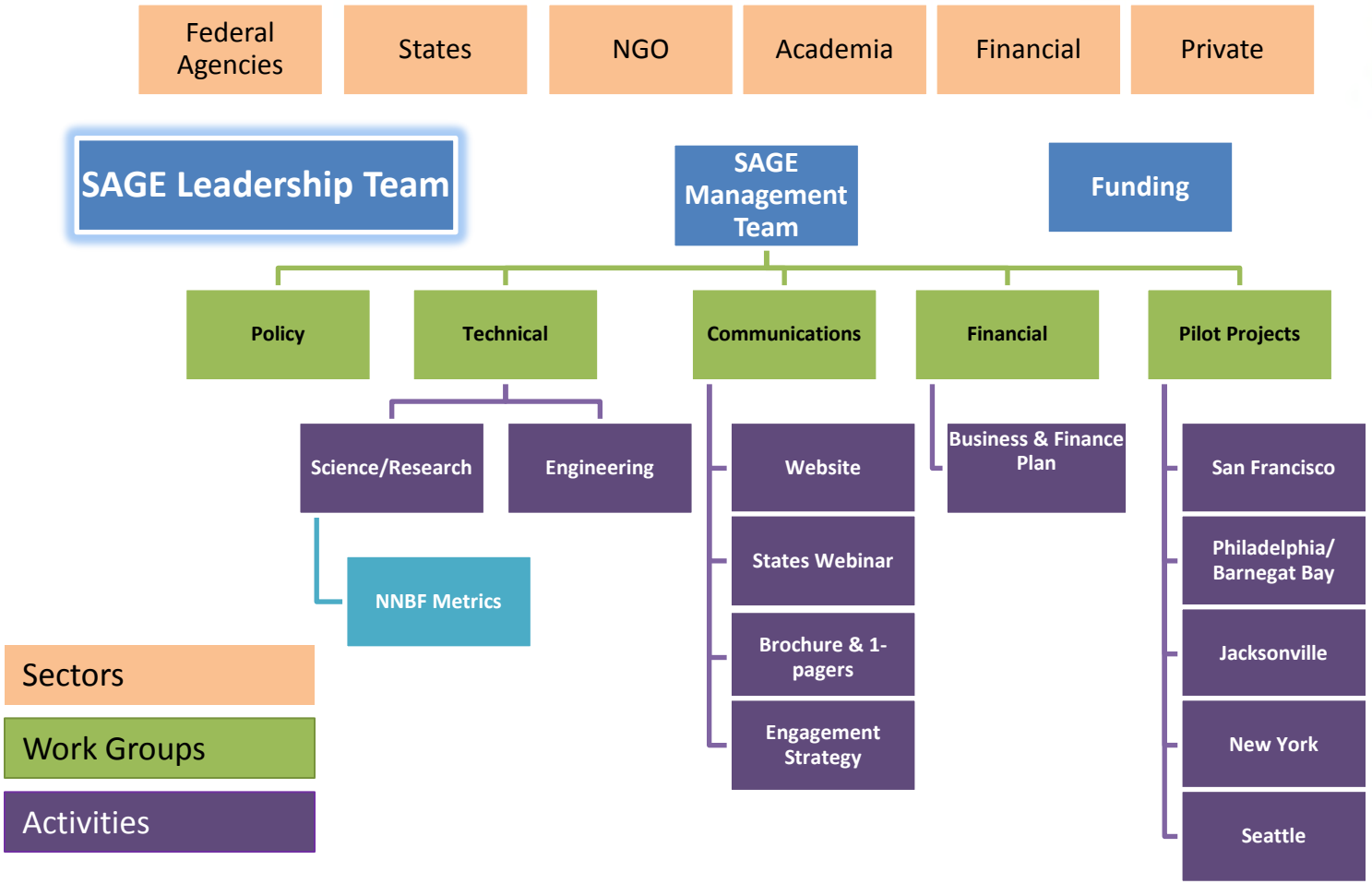
Systems Approach to Geomorphic Engineering

Restore America's Estuaries 2014



Pam Mason
Center for Coastal Resources Management
Virginia Institute of Marine Science

SAGE Community of Practice



Key Components of SAGE Pilots/ Regional Demonstration

Building the Regional Community of Practice

Develop a regional coastal resilience plan

Identify funding sources to implement regional plans

USACE IWR Contacts Emily Vuxton, Marriah Abellerah, Susan Taylor Abt Associates

Communication and Branding Tools

Developed by Leads and collaboration

Branding:

- Logo
- Color Ramp

Outreach:

- Fact Sheet
- Living Shorelines Brochure
- Website
- Powerpoint/ Webinar
- Frequently Asked Questions

Logo

Blues
Green / Sage Green/
Grey color ramp

Wave/
Shoreline
"Button"

Resilient Shorelines

Rocks

Acronym

Thriving
Communities

SYSTEMS APPROACH TO
GEOMORPHIC ENGINEERING

Our coasts are at risk. SAGE offers a solution.

What is SAGE?

SAGE, the Systems Approach to Geomorphic Engineering, is a community of practice dedicated to protecting our coastlines. Coastal areas are home to more than half of the U.S. population, rich in natural resources, and vital to our economy. Increasingly, shorelines are subject to intense storms, floods, loss of habitat, and sea-level rise.

SAGE promotes the use of both green (natural and nature-based) and gray (hard, structural engineering) approaches to make our coasts more resilient. Our systems approach addresses large areas of shoreline to foster thriving communities and flourishing natural ecosystems.

Who is involved?

SAGE is a collaborative effort among federal and state agencies, non-governmental organizations, academic institutions, and both private business and engineering firms. Initially envisioned by the U.S. Army Corps of Engineers, National Oceanic & Atmospheric Administration and Federal Emergency Management Agency, participation continues to grow.

Our partners include:

U.S. Army Corps of Engineers
National Oceanic & Atmospheric Administration
Federal Emergency Management Agency
American Society of Civil Engineers
Center for Coastal Resources Management, Virginia Institute of Marine Science
The Nature Conservancy
The Conservation Fund
The Water Institute of the Gulf
University of Rhode Island
Coastal States Organization
...and more.

Goals & Principles

- Advance large-scale solutions to coastal resiliency
- Collaborate with both public and private sectors
- Apply lessons learned both domestically and internationally
- Develop innovative techniques and solutions to adapt coasts
- Understand impacts on people and nature along coastline
- Share science, tools and demos to inform best practices
- Protect and enhance natural coastal features when appropriate

www.ccrm.vims.edu/sage

RESILIENT SHORELINES
SAGE
THRIVING COMMUNITIES

Fact Sheet

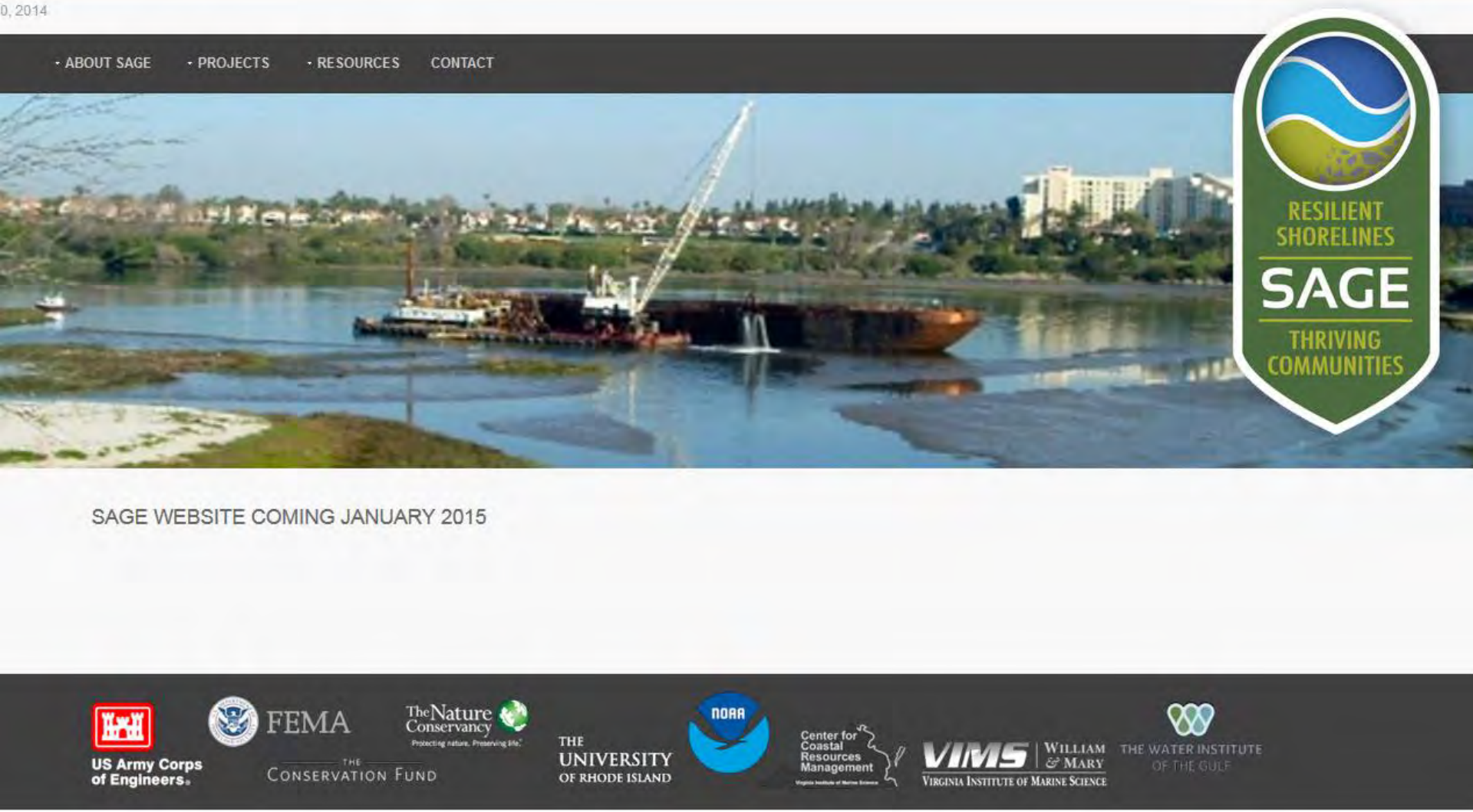
Hot off the press!

Lead: Bari Greenfield, SG Knauss Fellow, CSO and USACE

Living Shoreline Brochure

RESILIENT SHORELINES
SAGE
THRIVING COMMUNITIES

Lead: Catherine Alcoba USACE New York



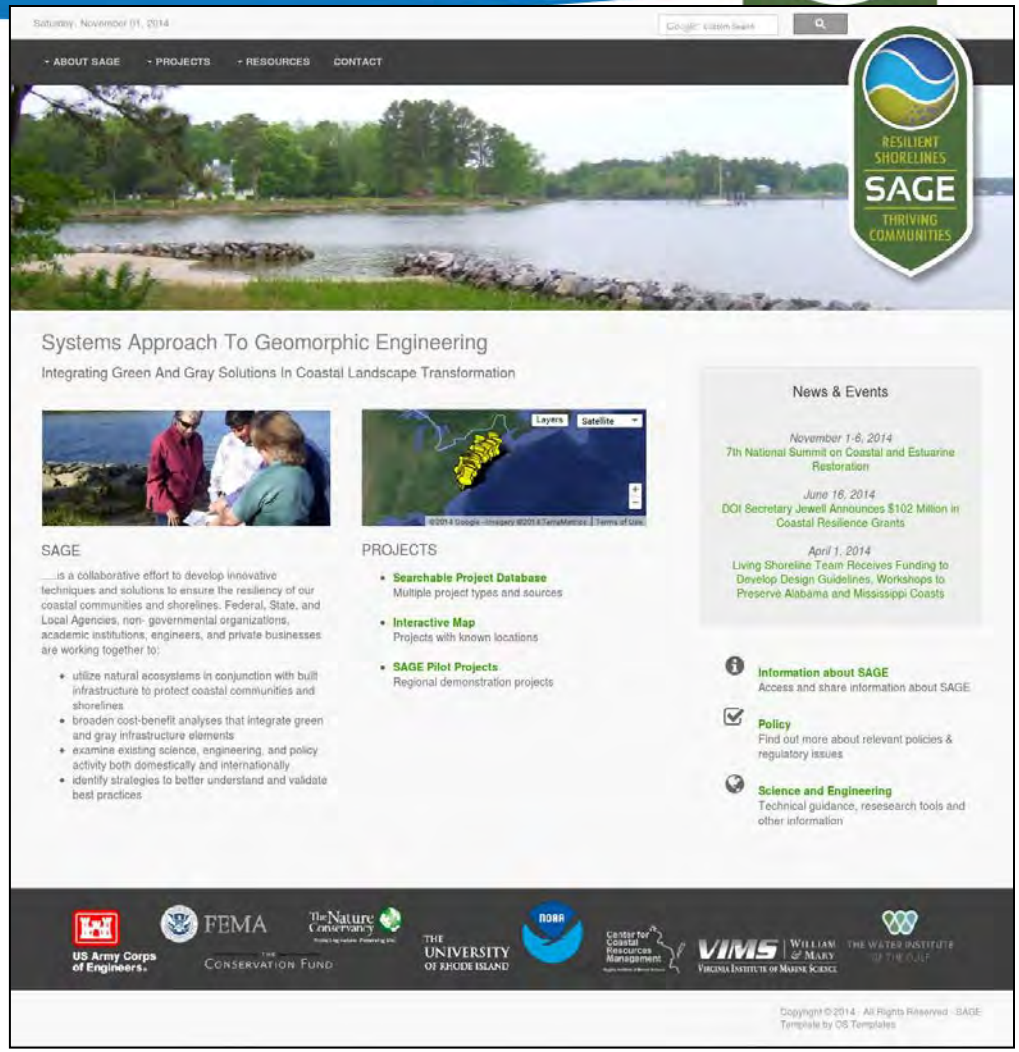
Built by VIMS

CoP Communications work group and website task group

SAGE Website

SAGE Website: Primary Elements

- Responsive Design: Resizes for various platforms
- Uses SAGE logo and color ramp
- Mission and Vision statements
- Defines CoP: What and Who
- SAGE Principals: SAGE Projects
  - Database
  - Map Viewer
- SAGE Regional Demonstration Projects
- Policy
- Science and Engineering
- Google search, Glossary



Web Development: Virginia Institute of Marine Science

SAGE Website

PROJECTS

- **Searchable Project Database**
  Multiple project types and sources
- **Interactive Map**
  Projects with known locations
- **SAGE Pilot Projects**
  Regional demonstration projects

Who's who:
Leadership,
Management,
Workgroups

Information about SAGE
Access and share information about SAGE

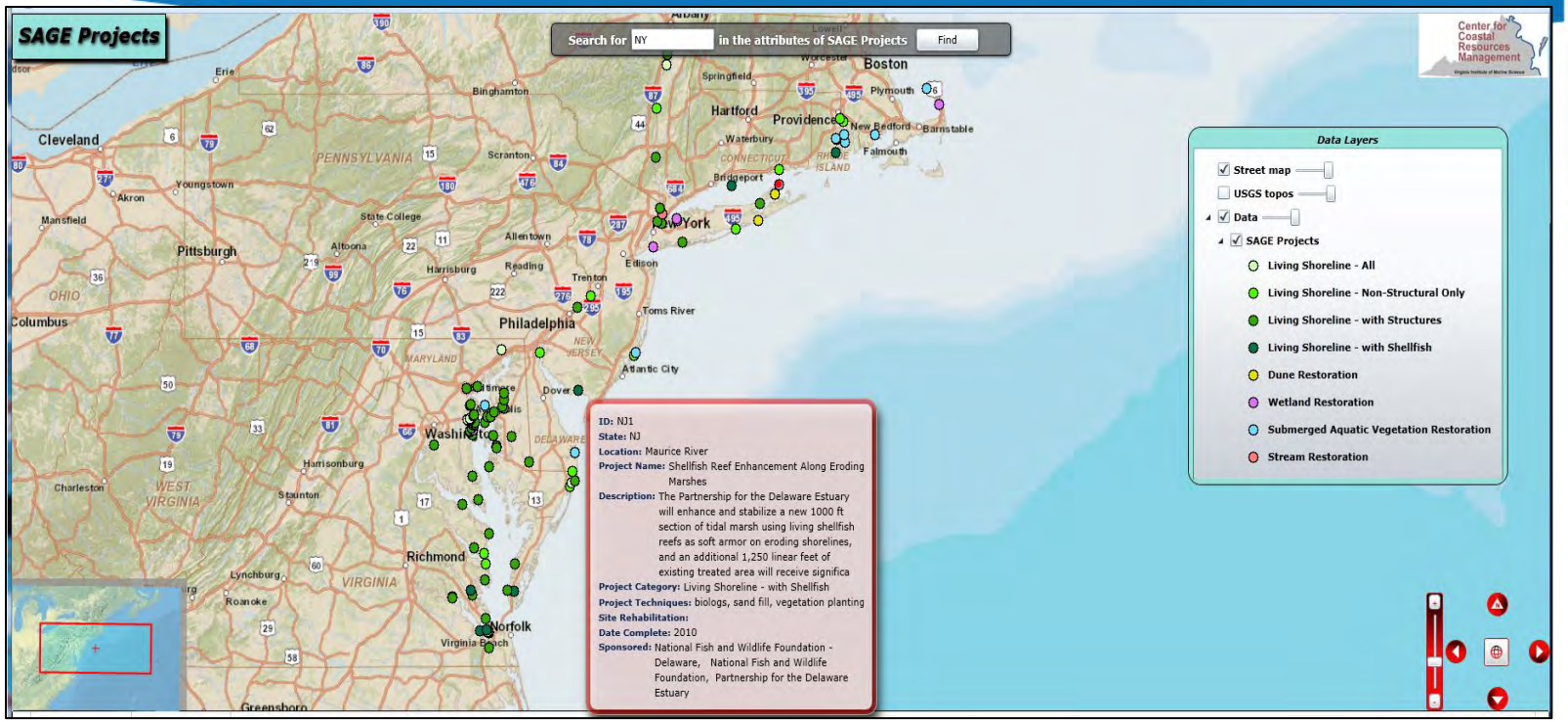
Policy
Policies and regulatory issues

Science and Engineering
Technical guidance, resesearch tools and other information

Legislation
Regulations,
General Permits…..

Ecological research,
Engineering assessment,
Models, Decision
Tools…..

SAGE Website: Project Viewer



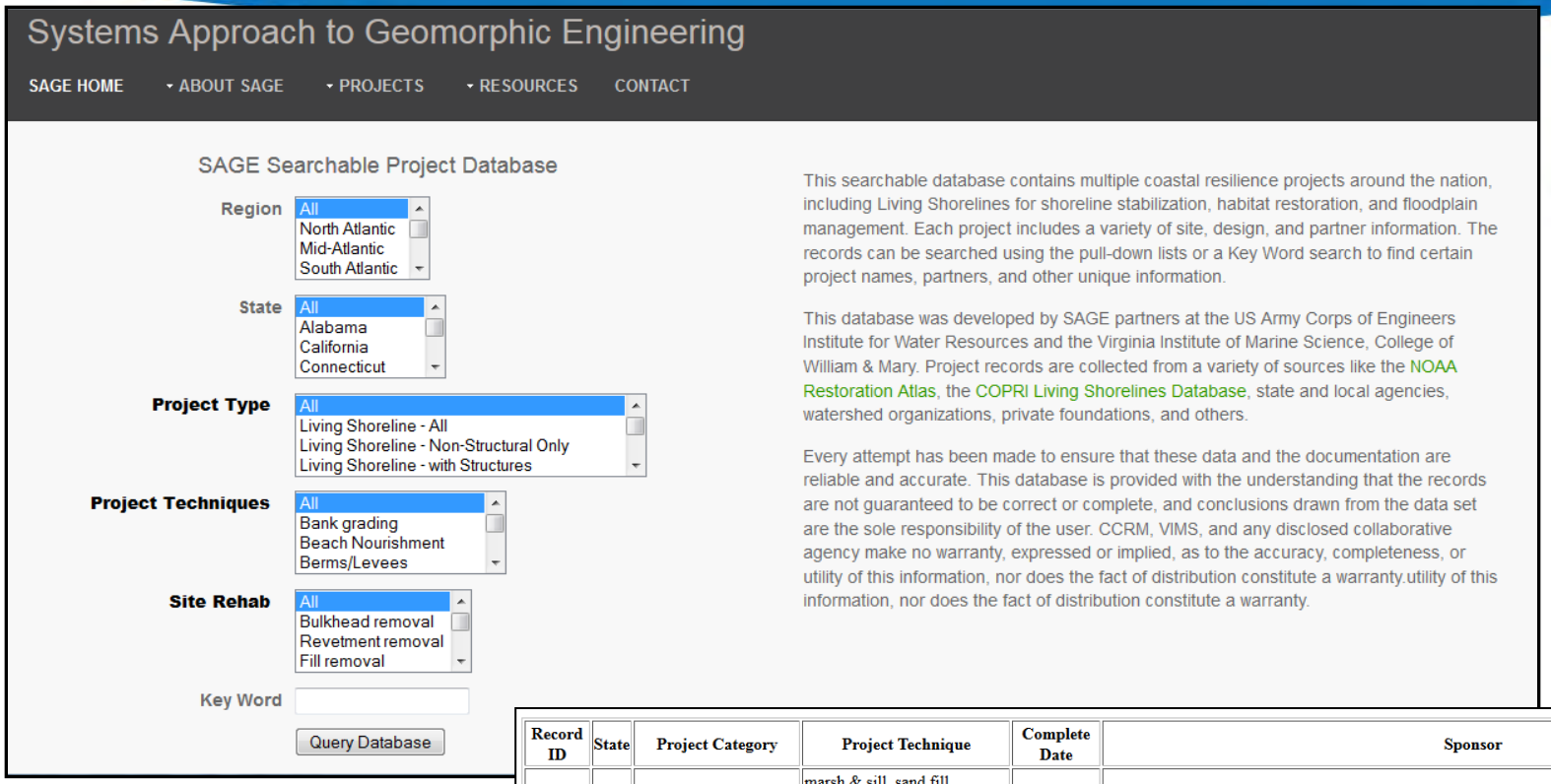
Projects from North Atlantic Comp Study

Developed Projects Classification by Type, Elements, and Site Rehabilitation

Float-over displays project detail

Additional regional data collection proceeding

Searchable Database



Record ID	State	Project Category	Project Technique	Complete Date	Sponsor
MD15	MD	Living Shoreline-with structures	marsh & sill, sand fill, vegetation planting, debris removal	2010	American Recovery and Reinvestment Act
MD8	MD	Living Shoreline-with structures	sill, vegetation planting, debris removal	2006	Chesapeake Bay Trust/ design; DNR implementation
VA2	VA	Living Shoreline-Non-Structural Only	debris removal, salt marsh planting, riparian buffer planting	2009	Lafayette Wetlands Partnership, Chesapeake Bay Restoration Fund, Virginia Environmental Endowment, and donations came from the Colonial Place/Riverview and Larchmont Civic Leagues, Fellini's Restaurant and Adams Outdoor Advertising, Inc.
VA4	VA	Living Shoreline-with Structures	debris removal, sills, biologs, sand fill, salt marsh planting	2013	Chesapeake Bay Trust, City of Norfolk
VA8	VA	Living Shoreline-with Structures	Debris removal, salt marsh planting, sill	2013	Chesapeake Bay Trust Foundation

Click Here To Export The Data into a CSV File

SAGE Community of Practice

What's Next

- Engage Participation
  - How do you get involved?
    - Brown Bag conversations to follow this session
    - Sign-up Sheets- Email/ contact info
    - Consider Work Groups
- Website Launch in January 2015
  - Feed-back on Website content- Survey
    - Forum, List-serve?
- SAGE Projects compilation to expand to new regions
- SAGE Research Priorities

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