

Overview of the Strategic Science & Research Framework and Science Needs Database – One-stop-shop for CBP science needs



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STAR Meeting
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10 Watershed Agreement Goals



Sustainable Fisheries



Climate Resiliency



Vital Habitats



Land Conservation



Water Quality



Stewardship



Toxic Contaminants



Public Access



Healthy Watersheds



Environmental Literacy

31 Outcomes:

specific, time-bound, measurable targets
that directly contribute to
achieving the Goals

A vast amount of science is required
to achieve the goals and outcomes.

*The Strategic Science & Research Framework was developed to
increase the amount of science for the CBP*



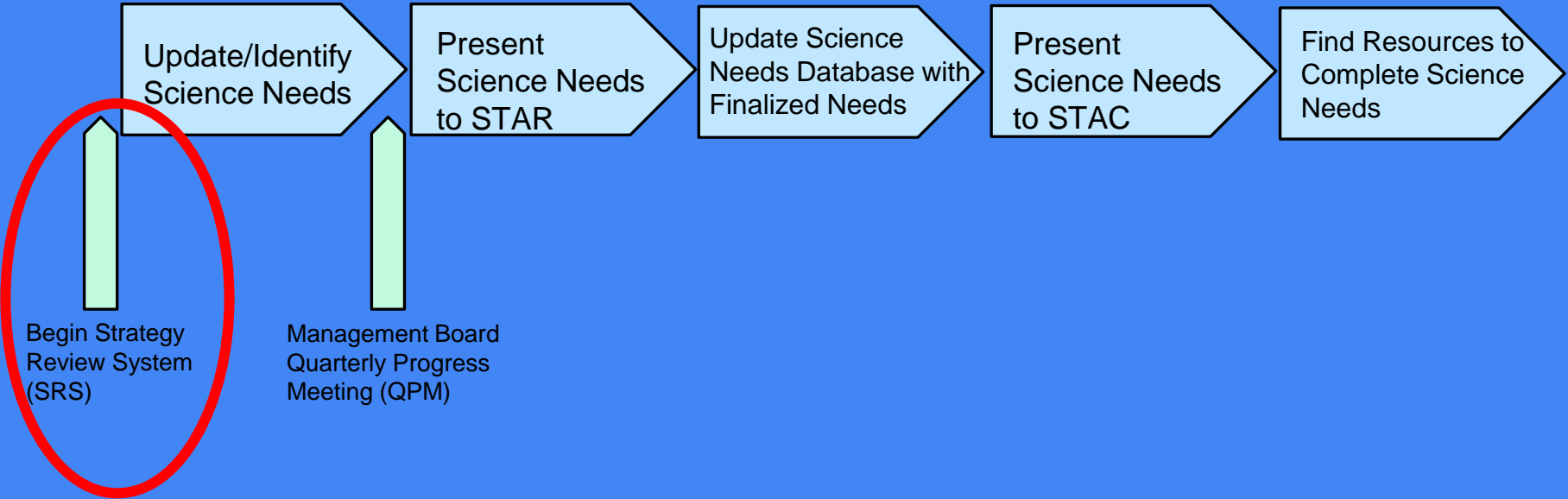
What is the...

Strategic Science
and
Research Framework

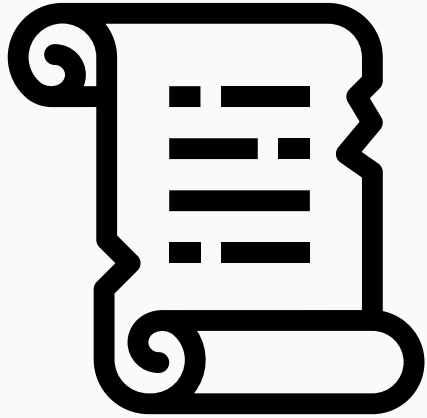
SSRF provides a strategic approach to:

- 1.) Gather, track, and maintain science needs for each outcome
- 2.) Focus existing resources to address the science needs
- 3.) Leverage the research enterprise
- 4.) More effectively provide science to advance CBP's efforts and decision making

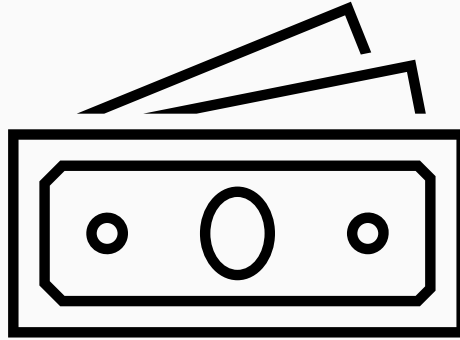
Strategic Science and Research Framework (SSRF)



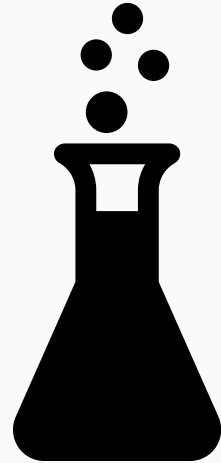
Policy



Finance



Science



Strategic Science and Research Framework (SSRF)

Update/Identify
Science Needs

Present
Science Needs
to STAR

Update Science
Needs Database with
Finalized Needs

Present
Science Needs
to STAC

Find Resources
to Complete
Science Needs

Begin Strategy
Review System
(SRS)

Management Board
Quarterly Progress
Meeting (QPM)

Repeat every 2 years



Chesapeake Bay Program: Science Needs Database



All science needs are available on the database:

<https://star.chesapeakebay.net/>

Used by science providers to **identify projects of interest on which to engage CBP** and help inform decision-making, management, and policy needs

The screenshot shows the web interface of the Chesapeake Bay Program Science Needs Database. At the top, there is a header with the STAR logo, the title 'Chesapeake Bay Program Science Needs Database', and navigation links for Home, Download, About, and Log In. Below the header is a filter section with four input fields: 'Goal Filter', 'Primary Outcome Filter', 'Category Filter', and 'Need Filter', each with a corresponding label above it. To the right of these fields is an orange 'Search' button. Below the filter section is a 'Clear Filters' button. The main content is a table with four columns: 'Goal', 'Primary Outcome', 'Category', and 'Need'. The table contains four rows of data. The first row is a header row. The second row shows 'All' for Goal, 'All' for Primary Outcome, 'Analysis, Data Gathering' for Category, and 'Ecosystem services identification, quantification and valuation' for Need. The third row shows 'Sustainable Fisheries' for Goal, 'Fish Habitat' for Primary Outcome, 'Analysis' for Category, and 'Regional Fish Habitat Assessment: 1. compile habitat and environmental, stressor, biological dataset; 2. analyze biological response data for relevance; 3. pilot fish habitat assessment; 4. conduct watershed regional assessment; 5. ID/develop spatial tools useful to partners' for Need. The fourth row shows 'Sustainable Fisheries' for Goal, 'Fish Habitat' for Primary Outcome, 'Monitoring' for Category, and 'Maintaining a telemetry network tracking fish movements at mouth of Chesapeake Bay' for Need. The fifth row shows 'Sustainable Fisheries' for Goal, 'Fish Habitat' for Primary Outcome, 'Monitoring' for Category, and 'Explore cost-effective methods/approaches to phytoplankton and zooplankton monitoring' for Need. Each row has a 'Det...' link in the rightmost column.

Goal	Primary Outcome	Category	Need	
All	All	Analysis, Data Gathering	Ecosystem services identification, quantification and valuation	Det...
Sustainable Fisheries	Fish Habitat	Analysis	Regional Fish Habitat Assessment: 1. compile habitat and environmental, stressor, biological dataset; 2. analyze biological response data for relevance; 3. pilot fish habitat assessment; 4. conduct watershed regional assessment; 5. ID/develop spatial tools useful to partners	Det...
Sustainable Fisheries	Fish Habitat	Monitoring	Maintaining a telemetry network tracking fish movements at mouth of Chesapeake Bay	Det...
Sustainable Fisheries	Fish Habitat	Monitoring	Explore cost-effective methods/approaches to phytoplankton and zooplankton monitoring	Det...

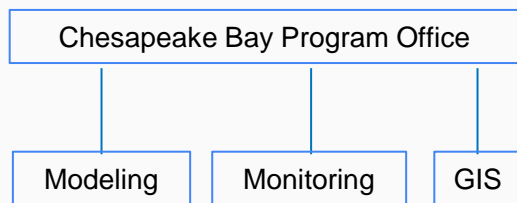


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