FY20 GIT-Funding Ideas - Climate Resilience Connections

STAR

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Chesapeake Bay Watershed Agreement

II. Goal, Outcomes and Baseline

This management strategy identifies approaches for achieving the following goal and outcomes:

Climate Resiliency Goal

Increase the resiliency of the Chesapeake Bay watershed, including its living resources, habitats, public infrastructure and communities, to withstand adverse impacts from changing environmental and climate conditions.

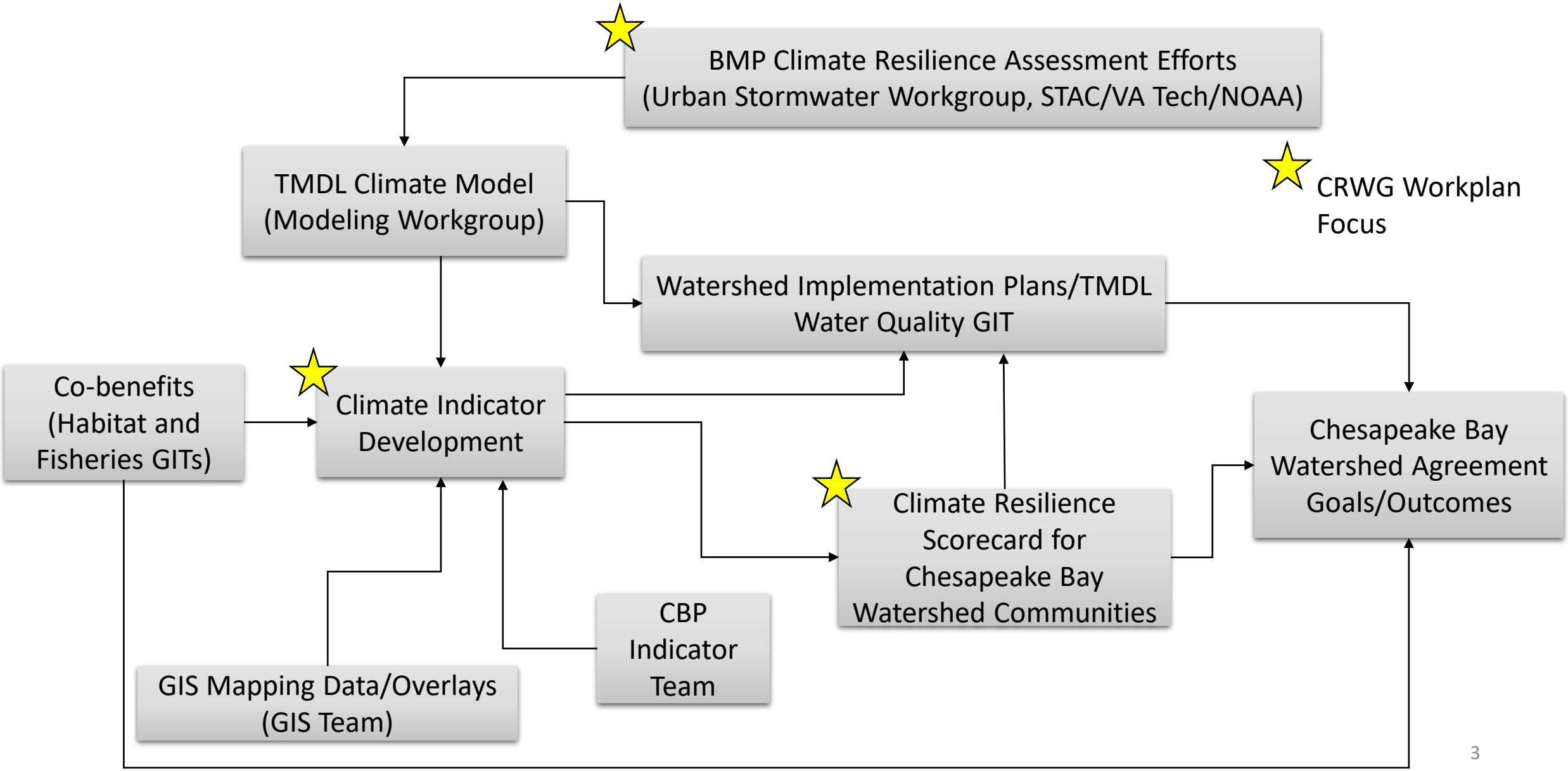
Monitoring and Assessment Outcome

Continually monitor and assess the trends and likely impacts of changing climatic and sea level conditions on the Chesapeake Bay ecosystem, including the effectiveness of restoration and protection policies, programs and projects.

Adaptation Outcome

Continually pursue, design and construct restoration and protection projects to enhance the resiliency of Bay and aquatic ecosystems from the impacts of coastal erosion, coastal flooding, more intense and more frequent storms and sea level rise.

Climate Resiliency Workgroup (CRWG) Focus



Monitoring and Assessment Outcome

GIT	Proposal Title	Climate Resilience Connection
STAR (#1)	Modeling climate impacts on submerged aquatic grasses (SAV) in Chesapeake Bay	Addresses science need to better understand changing climate conditions and their impacts on SAV – interactions between nutrient loading and climate stressors to determine species and community-level tipping points.
Habitat	Chesapeake Bay SAV Sentinel Site Program Implementation	Sentinel sites can provide datasets to track climate change trends on SAV and provide data to validate models; pilot program can test implementation of sentinel site protocols to assess feasibility of program for long-term application.
Fisheries (#1)	Forage Indicator Development: Using Environmental Drivers to Assess Forage Status	Connects with climate indicator development related to living resources – springtime warming and large-scale climate indices effects on forage populations.

#1 indicates top priority projects identified by the submitting GIT (will likely be funded)

Adaptation Outcome – Science Needs

GIT	Proposal Title	Climate Resilience Connection
Habitat (#1)	Synthesis of Shoreline, Sea Level Rise, and Marsh Migration Data for Wetland Restoration Targeting	Addresses science need to better understand sea level rise impacts to shorelines and marsh habitat for improved wetland restoration targeting under changing climatic conditions.
Stewardship	Update Important Conservation Habitat Dataset for the Chesapeake Bay Watershed	Dataset depicts network for sustaining large natural areas and corridors needed to sustain native wildlife and responding to climate change – the inclusion of new climate resiliency data mentioned. CRWG interested in consulting on project – could potentially support design plans for climate adaptation.
Stewardship	Convene a Land Conservation GIS Summit	Possible opportunity to connect the climate mapping data repository to management and cross-workgroup needs.

#1 indicates top priority projects identified by the submitting GIT (will likely be funded)

Adaptation Outcome – Local Engagement Needs

GIT	Proposal Title	Climate Resilience Connection
Water Quality	Tree Canopy and Environmental Justice Peer Learning Forum	Advance stakeholder engagement related to climate change impacts to public health and supports action for building resilience for underserved communities.
Stewardship	Chesapeake Bay Program Social Science Assessment and Integration Road Map Development	CRWG interested in outcome of this project to help us identify social science strategies to better engage with stakeholders to support climate resilience action.
GIT 6 (#1)	Planning for Clean Water: Local Government Workshops	CRWG interested in project to engage with local planners, particularly if there are climate adaptation elements incorporated into the workshops.

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