

# Enhancing CBP Monitoring to Improve Data Driven Decision Making: Wrap UP

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Chesapeake Bay Program

*Science. Restoration. Partnership.*

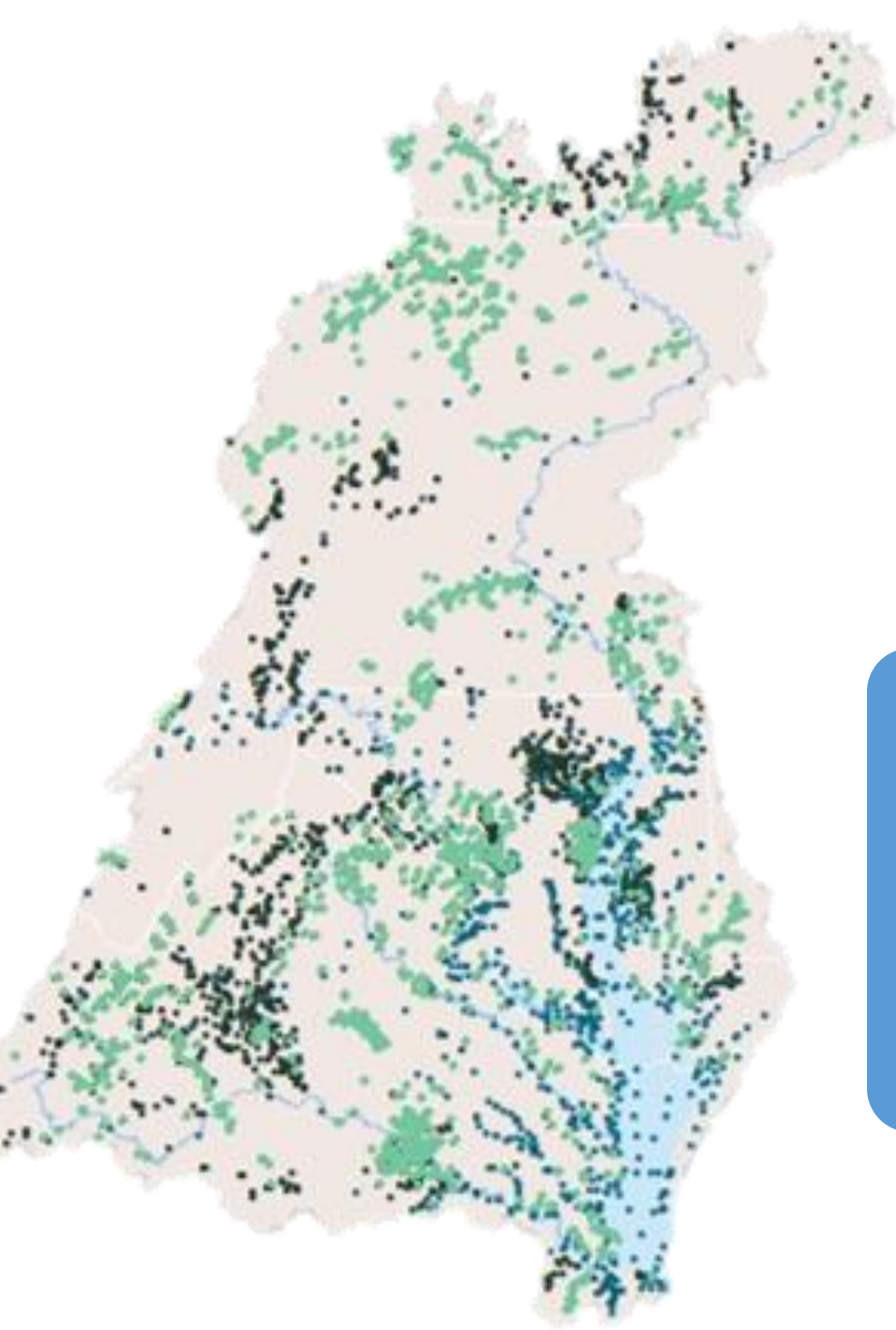
# Chesapeake Bay Program Monitoring

- Core CBP Monitoring Networks
- Monitoring to address outcomes in *Chesapeake Bay Watershed Agreement*.
- Steps forward to continue enhancement of CBP monitoring

Photo Credit: William  
Parsons (Alliance for the CB)







# Additional CBP Monitoring Networks

Community  
Science

Tidal Benthic

Land Use and  
Land Change

# Community Science (CS) Monitoring Network

CBP NETWORK	Project	CATEGORY	Award Entity	FUNDING				
				Year 1	Year 2	Year 3	Year 4	Year 5
CS	Under-represented community (5) monitoring equipment	Infrastructure	RFA		\$10,000			
Funder					EPA			
CS	SAV database API improving	Infrastructure	RFA		\$50,000			
Funder					EPA			
CS	SAV Watchers database development	Infrastructure	RFA		\$30,000			
Funder					EPA			
CS	Volunteer/Community Science SAV Watchers & Nitrate Monitoring program	Operation & Maintenance	RFA		\$211,150	\$217,485	\$224,010	\$230,730
Funder					EPA	EPA	EPA	EPA
CS	SAV Watchers database management	Operation & Maintenance	RFA		\$10,300	\$10,609	\$10,927	\$11,255
Funder					EPA	EPA	EPA	EPA

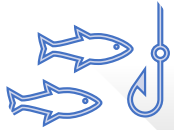
## *Tidal Benthic Monitoring Network*

CBP NETWORK	Project	CATEGORY	Award Entity	FUNDING				
				Year 1	Year 2	Year 3	Year 4	Year 5
Benthic	VA Benthic Monitoring Program COLA	Operations & Maintenance	funded through separate line of IIJA	3%	3%	3%	3%	3%
Funder				VA DEQ				

## *Land Use Land Cover (LULC) Monitoring Network*

CBP NETWORK	Project	CATEGORY	Award Entity	FUNDING				
				Year 1	Year 2	Year 3	Year 4	Year 5
LULC	Annual high resolution image acquisition and processing	Operations & Maintenance	NA	\$1,000,000 from the base budget				
Funder				EPA				

# 10 Watershed Agreement Goals



Sustainable Fisheries



Climate Resiliency



Vital Habitats



Land Conservation



Water Quality



Stewardship



Toxic Contaminants



Public Access



Healthy Watersheds



Environmental Literacy

## *Maintain* Success of Existing Monitoring Network

# 12 Outcomes

Examples
Blue Crabs
Oysters



## *Enhance* Efficiency and Capacity of Monitoring Network

# 12 Outcomes

Examples
Wetlands
Stream Health

## *Establish* a New Coordinated Monitoring Network

# 7 Outcomes

Examples
Climate
Local Leadership

# Next Steps: Outcomes Needing Coordinated Monitoring



## Interact with GITs

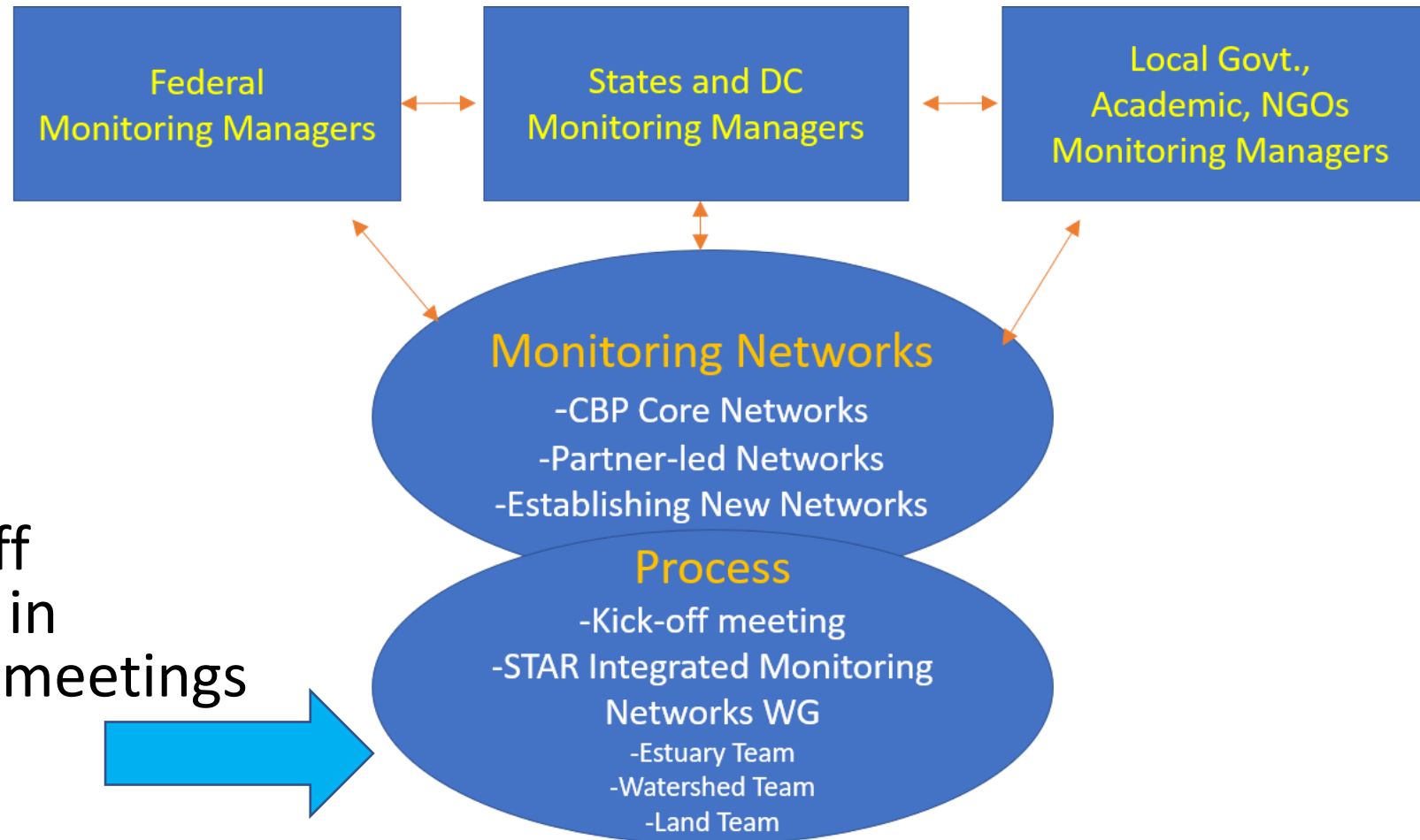
- Prepare a list of existing partner networks addressing the outcome could
- Partners for closely related outcomes could work together to explore changes to existing networks.
- Track status of current and future monitoring needs through the Strategic Science and Research Framework (SSRF)
- Develop Monitoring Plan

## Develop Monitoring Plan

- Identify the metric(s) to assess progress towards achieving the outcome
- Inventory of existing monitoring that could be considered
- Assess the remaining gaps that must be addressed
- Design monitoring strategy to address gaps
- Ensure resources to fill the gaps and establish a new data collection network
- Ensure data analysis, assessment and reporting protocols are in place
- Support capacity to maintain new network.



# Process moving forward for sustaining and enhancing networks



- Agency staff participate in partnering meetings on funding strategies



# Next Steps:

- Fill in gaps for the funding accounting of each network
- Update CBP Workgroups on interested partners for recommendations of core CBP monitoring networks
- Equip interested partners with additional information they need to support enhancement of monitoring
- Begin discussion on developing funding strategies for long-term support