QUARTERLY PROGRESS MEETING – February 2021
Chesapeake Bay Program

Land Use Options Evaluation

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Through the Chesapeake Bay Watershed Agreement*, the Chesapeake Bay Program has committed to…*

Goal: *Land Conservation*

Outcome: By the end of 2017, with the direct involvement of local governments or their representatives, evaluate policy options, incentives and planning tools that could assist them in continually improving their capacity to reduce the rate of conversion of agricultural lands, forests and wetlands as well as the rate of changing landscapes from more natural lands that soak up pollutants to those that are paved over, hardscaped or otherwise impervious.

Land Use Options Evaluation - Context

2014 – This outcome was included in the Agreement to provide tools and support to local governments to ensure their capacity to plan for and mitigate land change impact. – source

2014 “Current” condition? – WIP process shed light on the differences between CBP land use and local-scale information

•Why this Outcome? – This outcome responds to public comments related to the need to address the extent and impact of land use change (the Land Use Workgroup and the Water Quality GIT were instrumental in this outcome)

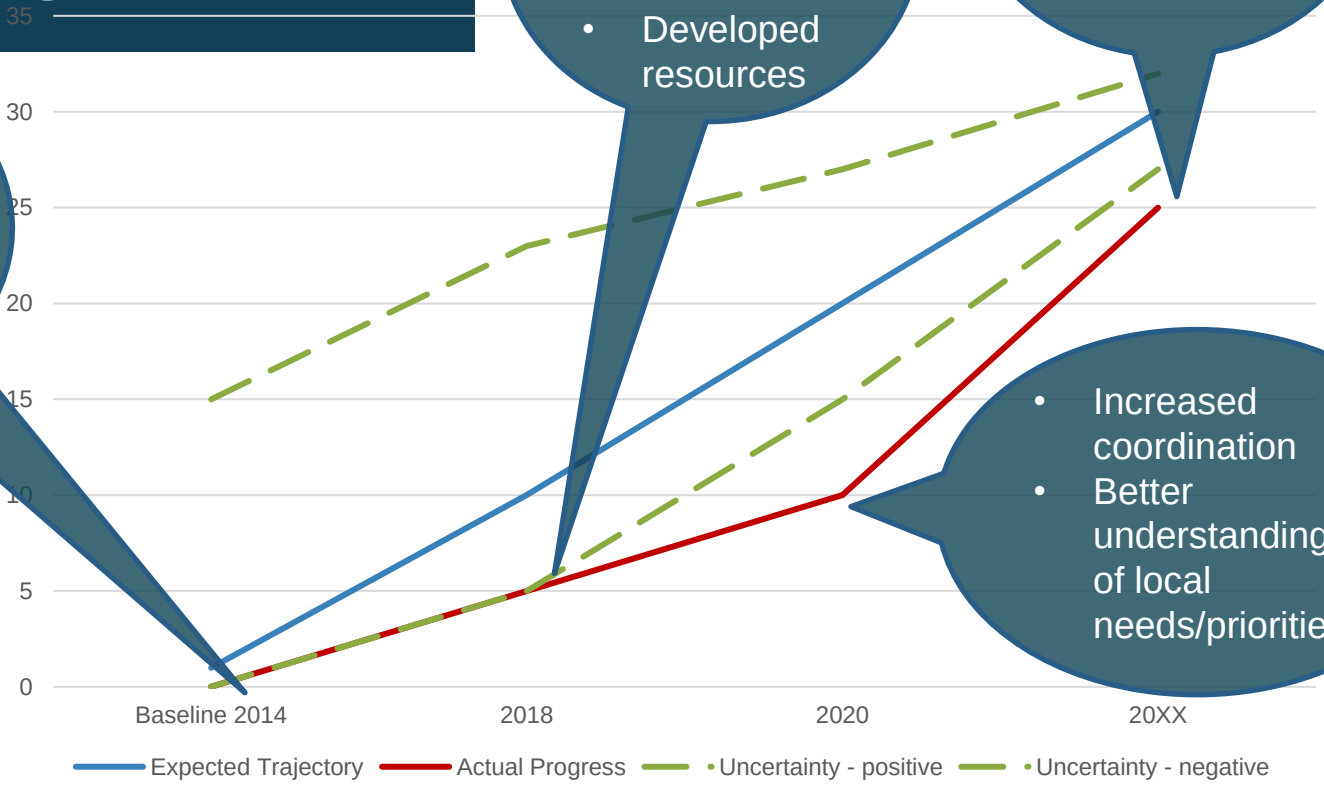
What is our Expected and Actual Progress?

Need:
- Local land use data
- Increase capacity to reduce conversion

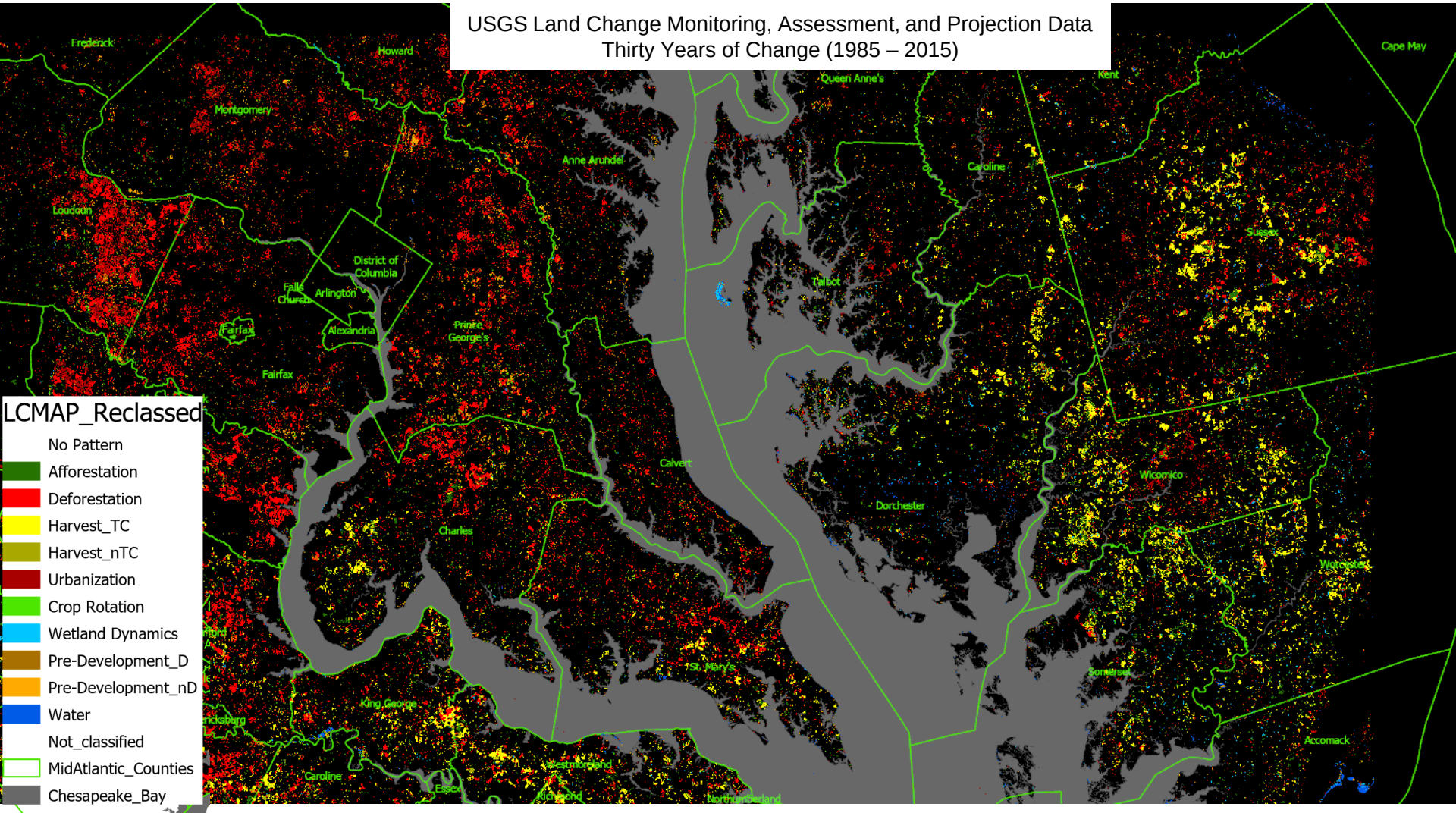
- High resolution land use/land cover
- Developed resources

- Tie pieces together
- Did we meet needs??

- Increased coordination
- Better understanding of local needs/priorities.



USGS Land Change Monitoring, Assessment, and Projection Data
Thirty Years of Change (1985 – 2015)



Chesapeake Bay 1-Meter Resolution Data

1. Land cover (12 classes): 2013/14, 2017/18, 2021/22
2. Land use (58 classes): 2013/14, 2017/18, 2021/22
3. Streams/ditches: best available LiDAR vintage
    - Stream channel and floodplain attributes

Source: Peter Claggett, USGS, LMGWSC, CBP 2021
("USGS Presentations" folder on internal drive G:)

USGS

Potential Metrics to measure progress

- Land Use Metrics: rate of farm, forest, and wetland conversion through time
- Assess the rate of conversion against key policies (in selected jurisdictions) to determine if the policies, incentives, planning and tools are having the intended effect.
- Number of projects, presentations tools – total people reached
- Survey of key audience needs? / Does what we have developed meet their needs?
- Web Analytics: Total downloads, site visits, use of resources, tools and information provided on websites.
- Provide a mechanism for feedback directly on the web support tools (to demonstrate direct involvement)

Learn

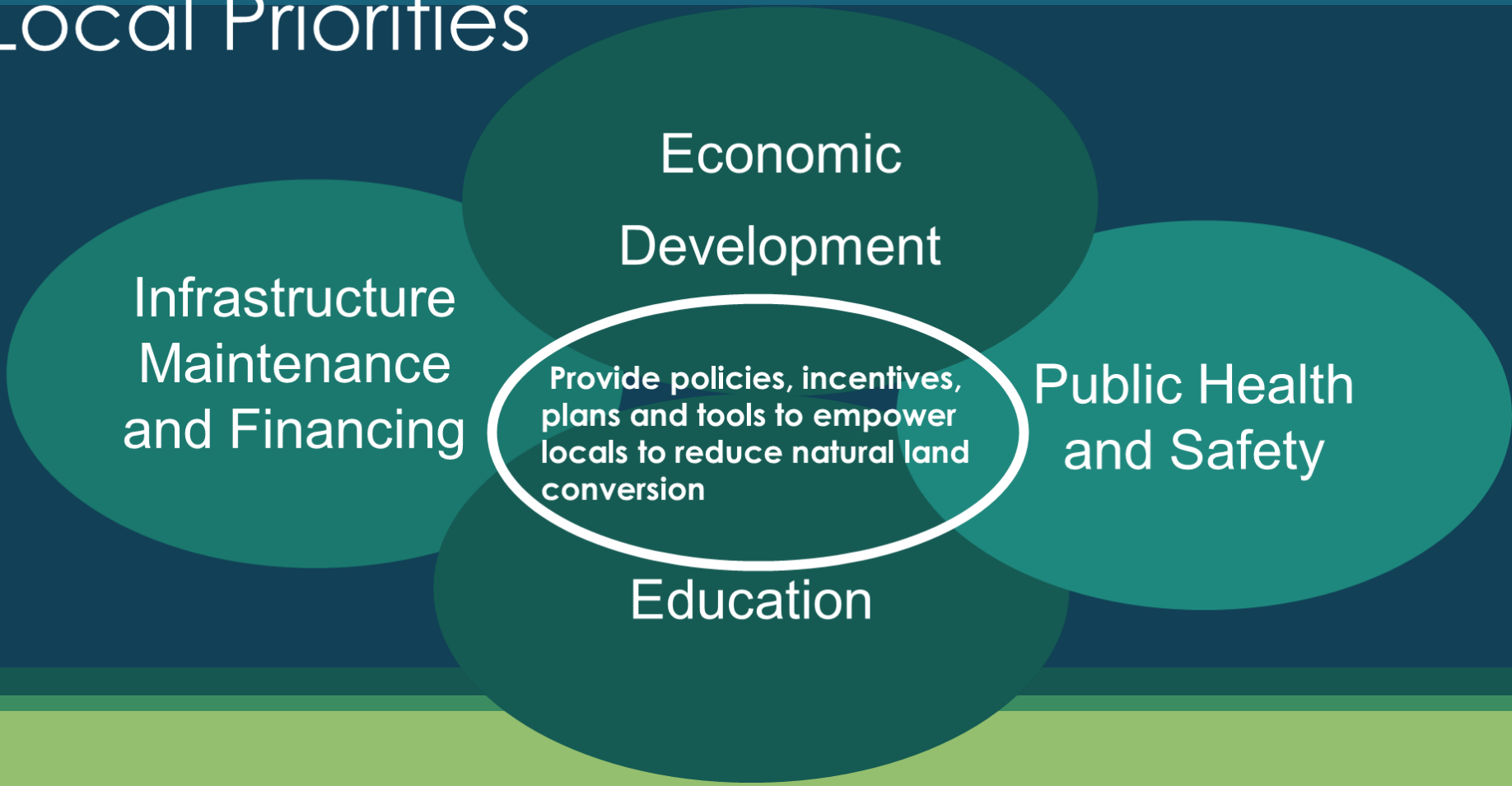
What have we learned in the last two years?

Successes and Challenges

- What have we learned?

- We are dependent on the participation of related outcomes and workgroups, as well as their work/products

Local Priorities



Audience

Trusted Sources

Translators

Subject Matter Experts

Factors Influencing

Management Strategy

- Political and Education Challenges *(legislative engagement)*
- Sustaining the Ag and Forestry Industries *(funding and finances)*
- Ability to Engage Local Governments in Conducting the Evaluation *(education and outreach)*
- Technical Challenges

Current Logic and Action table (STAC factors)

- Partner Coordination
- Technical understanding
- Education and outreach
- Local engagement
- Legislative engagement / political challenges.

On the Horizon

- Summarize your answer to Narrative Analysis question #3.

Scientific, Fiscal and Policy-related developments

Scientific:

- ❑ High resolution land cover and related metrics (1m, 10m)
- ❑ LCMAP – Analysis and distillation by Sarah MacDonald, USGS CBP
- ❑ No communication/outreach plan

Scientific, Fiscal and Policy-related developments

Policy:

- ❑ Better incorporate DEIJ and Climate considerations.
- ❑ Integrate climate and DEIJ metrics

Communication, Translation and Engagement:

- ❑ Translate, format, package and flow information through to trusted sources.
- ❑ How to effectively engage locals directly

A

Adapt

How does all of this impact our work?

Based on what we learned, we plan to …

- Summarize your answer to Narrative Analysis question #4.

Engagement, Coordination and Accounting.

- Determine how to “directly involve local governments
- Reinvigorate LUOE and LUMM engagement across the CBP
- Directly engage CBP teams including: HWGIT, LUWG, CCP, FWG, AGWG, Comm, Diversity, Climate, STAC, STAR, LLWG, LGAC as well NGOs and locals.

Help

How can the Management Board lead the Program to adapt?

How You Can Help

- Organization and leadership from the CBP community.
- Update all management documents.
- Gap in knowledge related to the connection to the land use planning process and how it works at the local level.

Help Needed

- ❑ Formation of a LU outcomes action team/workgroup.
- ❑ Resources related to “translation” of CBP resources pursuant to the Local Engagement Strategy.
- ❑ Renewed signatory engagement across living resources and land use related outcomes.

Discussion