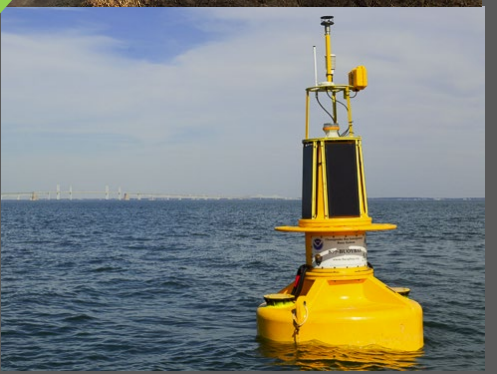

Project Update

Climate Data and Mapping Repository

February 25, 2019

Chris Lamie, ERG

ERG

Project Overview

- **Source:** FY'18 GIT-funded project to support the CRWG
- **Project need:** Provide a "one-stop shopping" solution for internal and external users who seek data to answer questions about climate change in the Chesapeake Bay watershed
- **Solution:** Create and populate a registry/repository that will compile information in one place

What We Will Do

- Create and store mapping layers and geospatial metadata *in cases where these items do not already exist*
  - Case in point: CBP climate change indicators
- Point to datasets (geospatial and non-geospatial) that are already hosted elsewhere
- Capture standardized metadata in a database
  - Fields designed to support search, sort, and filter

Project Timeline

Step	Timeframe
Planning and scoping	Through October
Identify data sources and compile key information	November-January
Curate the data and populate remaining fields	February-March
Gather feedback and revise	April
Create maintenance plan	May
Incorporate into Open Data; keep up to date	Ongoing

Stepwise Process

1. Select topics of interest
   - Tiered approach:
     - **Tier 1:** topics in the proposed suite of 21 climate change indicators
     - **Tier 2:** other topics that CBP or the CRWG specifically identifies as being a high priority for this project
     - **Tier 3:** other topics from the list of ~67 “high-priority” topics that were carried through to our “value-added” scoring exercises
     - **Tier 4:** other topics from the master list of ~210 topics
     - **Tier 5:** any additional topics that we have time to capture

Stepwise Process

2. Locate data sources
3. Populate key parts of our matrix to inform the next step
4. Apply data quality criteria to curate the data
   - Criterion #1: The data are publicly accessible.
   - Criterion #2: We have a reasonable expectation that the data source will continue to be updated.
   - Criterion #3: The data come from a credible source.
   - Criterion #4: The dataset provides unique value.
5. Populate the remainder of the matrix
   - Review the matrix…

Results to Date

- Located and catalogued 128 data sources
- Refined metadata fields
  - Capture useful detail from user's point of view
  - Minimize maintenance burden
- Conducted QC/consistency review
- Partway through criteria evaluation and scoring

Next Steps

- Finish scoring
- Fill gaps
- Share with CRWG for input (April)

Questions?

Thank you!