Indicators, ChesapeakeProgress, and Adaptive Management

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Overview

1. What types of indicators can we use?

2. How do these types of indicators fit into the Adaptive Management process?

3. What is needed for indicators to be useful in Adaptive Management at the CBP?

4. What marks a good indicator?

5. How are new indicators developed?

6. How are indicators toward the Chesapeake Bay Watershed Agreement outcomes reported at the CBP?

What are indicators?

Indicators: *A summary measure that provides information on the state of, or change in, the system that is being measured.*
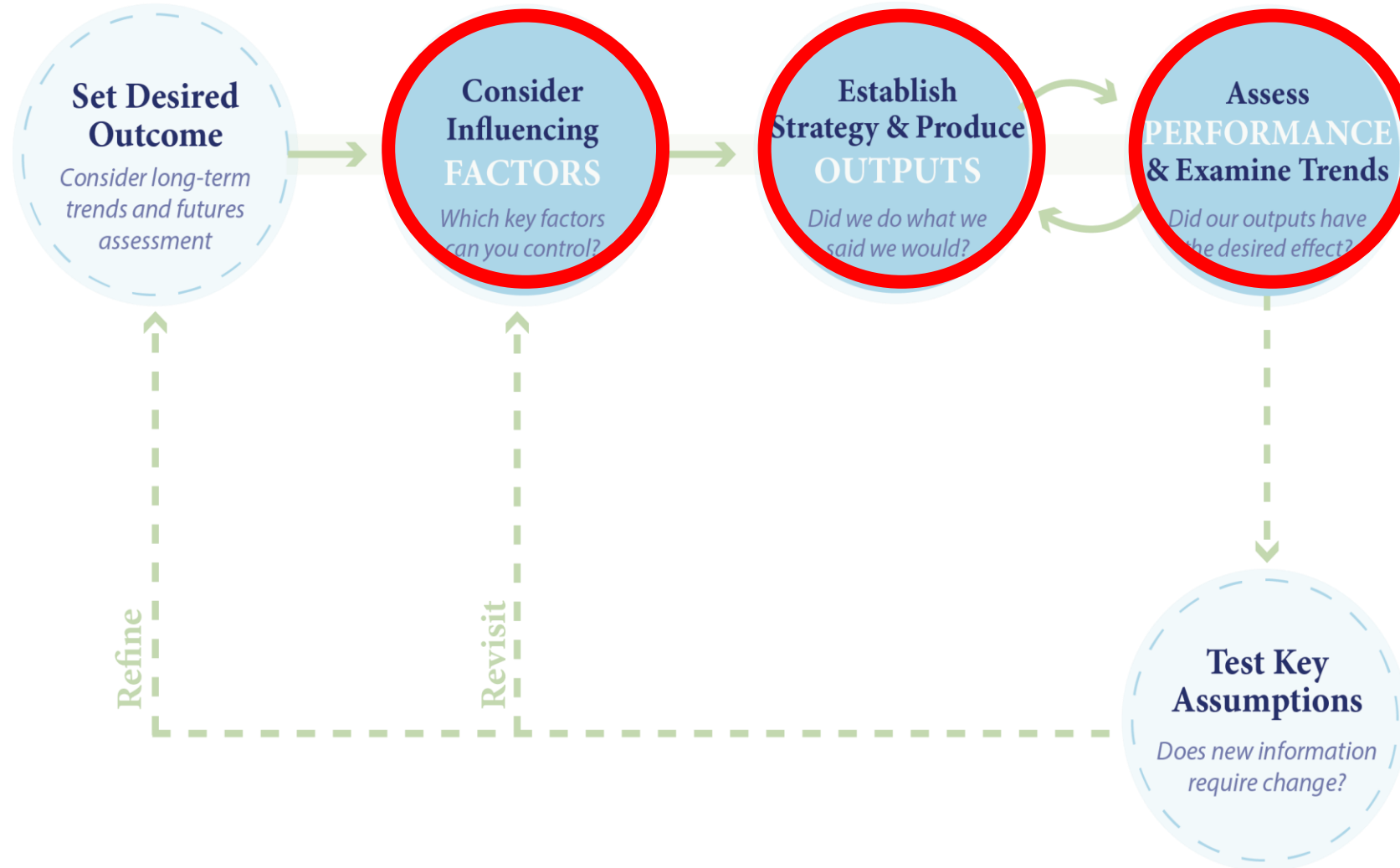
What are the different forms of indicators?

Influencing Factors – What KEY influencing factors are impacting the achievement of an outcome?

Outputs – Are we doing what we said we would do in our work plans and management strategies?

Performance – Are we achieving the outcome?

Indicators and Adaptive Management

Set Desired Outcome

Consider long-term trends and futures assessment

Consider Influencing FACTORS

Which key factors can you control?

Establish Strategy & Produce OUTPUTS

Did we do what we said we would?

Assess PERFORMANCE & Examine Trends

Did our outputs have the desired effect?

Refine

Revisit

Test Key Assumptions

Does new information require change?

Important Indicator Qualities*

Simple and easy to understand

Be scientifically well-founded

Have a reference or threshold value of significance

Be responsive to changes in the environment

Show trends over time

Feasible to measure and report (reasonable cost/benefit ratio)

Updated regularly with reliable procedures (timely with support of a monitoring program)

Adequately documented, known quality

Be useable by the community

Policy relevant

*From Peter Tango's 2019 presentation "2019IndicatorsOVERVIEW PPT Reference"

Developing New Indicators

Described on page 3 of the Indicators Framework

Summary of steps, as relevant to outcome representatives*

1. GIT coordinator identifies monitoring/tracking need
2. Work with indicators coordinator to identify possible indicators to meet need
3. GIT approval (utilizing STAR when needed)
4. STWG approval
5. GIT coordinator and staffer collate and send monitoring and tracking data, analysis and methods to indicators Coordinator
6. Indicators coordinator works with SMEs, web content specialist, GIS team, Communications team, and Web team to complete indicator update

*Not all steps independent of outcome/GIT representatives are included in slide for brevity. For full process, please see Indicators Framework document on the STWG page

Role of ChesapeakeProgress.com

A Partnership tool to track the work we do and how we measure it

- Accountability and transparency about the above

Adds depth of information we are portraying

- Information on metrics

Ensures we are communicating outcome progress in a meaningful and useful way

Thank you!

Any other questions on these topics?