

The Value of Environmental Evaluation: When Does Data Become Information?

PugetSoundPartnership

our sound, our community, our chance

Scenarios to consider in today's presentation:

- 1. Decision makers wanting information to make decisions about investments in a data rich, information light environment: Puget Sound Partnership
- 2. A decision made with information and stakeholder involvement: Oneida Nation
- 3. Decision support for decision makers and citizens with information from a watershed report card: State of Massachusetts

Today's Presenters:

Mary Beth Brown, Puget Sound Partnership, Washington

Jennifer Falck, Oneida Nation, Wisconsin

Warren Kimball, Dept. of Environmental Protection, State of Massachussetts

IN WASHINGTON STATE, THE GOVERNOR AND THE LEGISLATURE SAID:

BUILD AN ACTION AGENDA: ACHIEVE A HEALTHY PUGET SOUND BY 2020

Include outcomes and how you will measure them....

LEARN! MONITOR! ADAPT!

 The council shall revise the Action Agenda as needed and revise the implementation strategies every two years using an adaptive management process informed by tracking actions and monitoring results in the Puget Sound. (RCW 90.71.310)

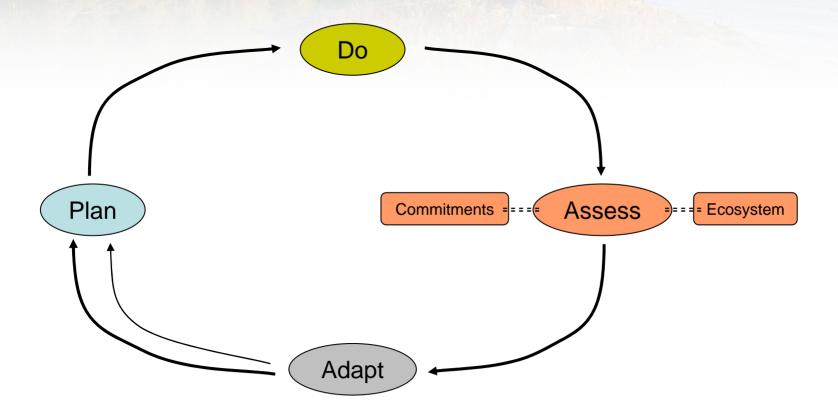
Establishing Indicators and Benchmarks

The science panel shall:

- Identify environmental indicators measuring the health of Puget Sound;
- Recommend environmental benchmarks that need to be achieved to meet the goals of the Action Agenda.

(RCW 90.71.280)

Implementation Framework



Here's what we said we needed for Accountability in April and July...



- A goal that can be measured
- A set of activities that can be tracked
- Logic links between goals and activities
- Buy in from implementers
- Information management strategy

Do

- Implementers who can track and report progress
- A system to hold the data

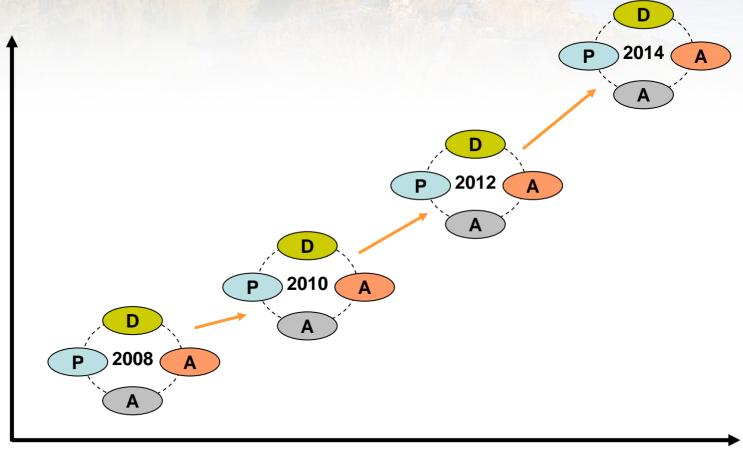


- Capacity for analysis
- Forum and format for reporting out findings
- Capacity to change strategies and actions based on analysis

Adapt

Improving the Action Agenda





Time

Key Linkages

Ultimate Policy Intent

...so that...

Water Quality improvements achieved

Indicator data

More LID projects

Ultimate Outcome

are implemented

% of projects using LID

Immediate Outcome

Degree of Influence/Control by individual entity

...so that...

Activity: We assist governments to

governments assisted

adopt LID regs

Outputs

.so that...

Governments adopt regulations

% of governments

assisted who adopt LID regulations

Process

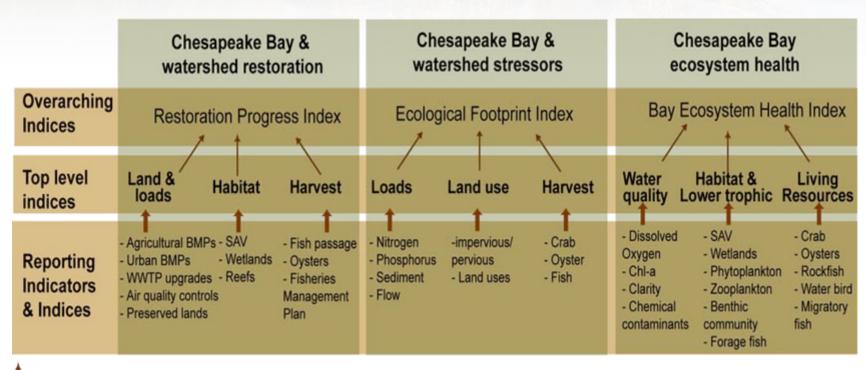
Progress depends on organizational capacity

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	Toward 2020 and beyond	Strate Syster Foc	matic	Stage 5: Leveraging accountability for strategic outcomes	We do what we said we would do, our actions are integrated and effective, and we can prove results with data	
	A	SOS		Stage 4: Improving the accountability process	 Disciplined funding of effective activities Strategic study of unknowns Progress is made and explained Adaptation is routine. 	
	Implementation and Adaptation	Capacity Increases		Stage 3: Developing a complete accountability portfolio	 Funding and activities follow strategies Activities linked to performance measures Adaptation based on results. 	
_	of Action Agenda 2008 Action			Stage 2: Building an accountability	Goals set.Strategies and outcome measures adopted	
	Agenda 2007-09	Proj		foundation Stage 1: Creating accountability	 Rough alignment of activities and budgets with goals Random acts of kindness 	<u> </u>
	Puget Sound Plan	Cen Foc		awareness	Ad hoc processesFragmentation	11

Status of Identifying Indicators

By April: Indicators work group inventories existing potential indicators April – July: Leadership Council **April - May: Indicators work group** advises on the short list of indicators identifies ecologically important, to identify for reporting in 2008 Action relevant, data-rich indicators **Agenda**

Example Roll Up of Indicators

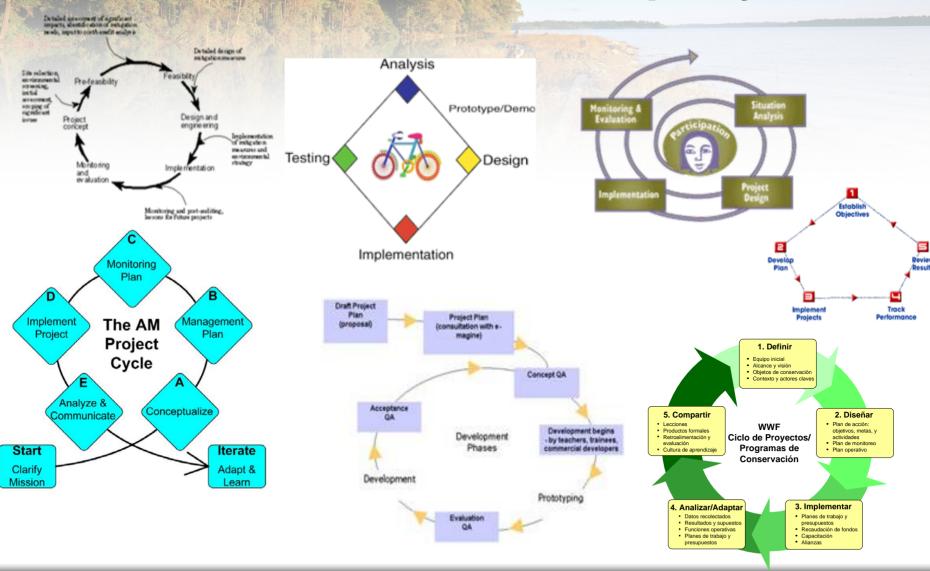


= direct numerical relationship

Examples of Existing Benchmarks for Reporting

- Consumption advisories (servings/month)
- Swimming beaches (bacteria levels)
- Native forest cover (% cover)
- Watershed protection (# management plans)
- Chinook recovery (# adult spawners)
- Airshed health (standards for ozone, particulate matter)
- Water quality index (roll up)

Other Plan-Do-Assess-Adapt Cycles...



www.conservationmeasures.org

1. Conceptualize

- · Define initial team
- · Define scope, vision, targets
- · Identify critical threats
- · Complete situation analysis

5. Capture and Share Learning

- Document learning
- Share learning
- · Create learning environment

Open Standards for the Practice of Conservation Version 2.0

2. Plan Actions and Monitoring

- Develop goals, strategies, assumptions, and objectives
- · Develop monitoring plan
- · Develop operational plan

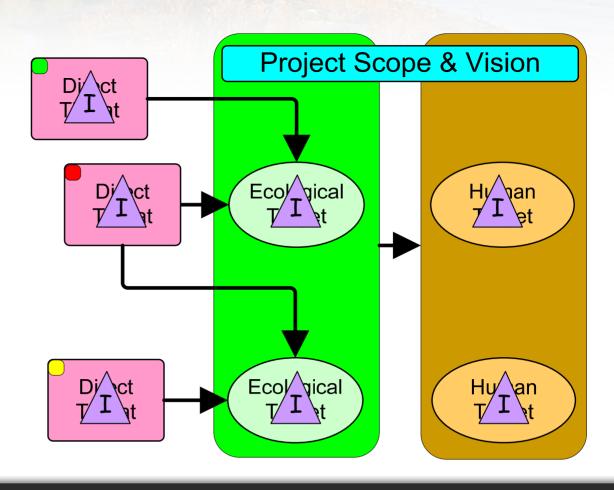
4. Analyze, Use, Adapt

- · Prepare data for analysis
- · Analyze results
- · Adapt strategic plan

3. Implement Actions and Monitoring

- Develop work plan and timeline
- Develop and refine budget
- Implement plans

Step 1 argets & Threats Used to Define "Status Indicators" of the System



Step 2

Identify Strategies to Change Situation

