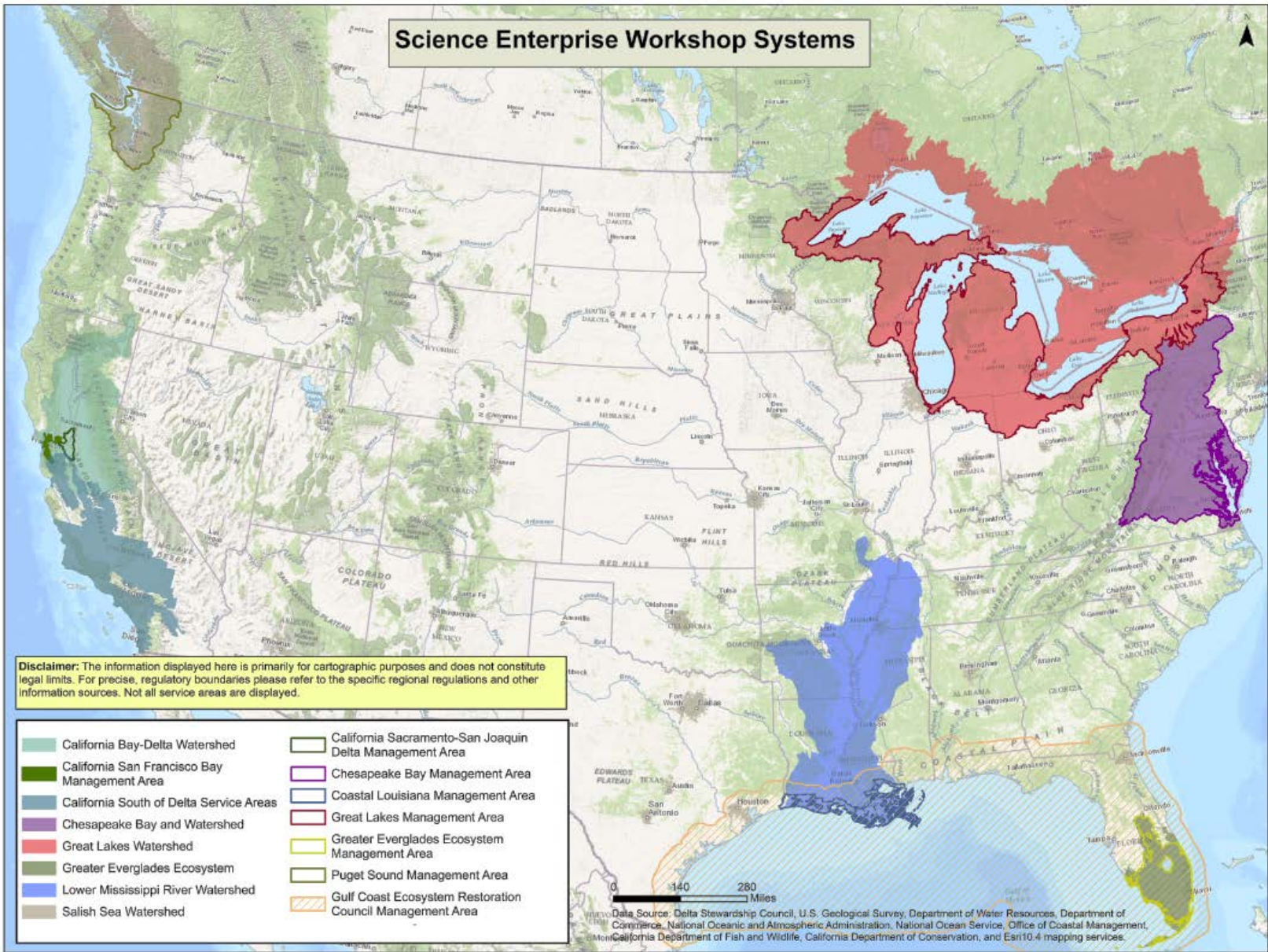


A Quick Recap of the 2016 Science Enterprises Workshop as Motivation for this Session

Mike Chotkowski, Jessica Law, Scott Phillips, Nick
Aumen

The Science Enterprise Workshop
 November 1-2, 2016
 Davis, California



Workshop Objectives:

- Avoid reinventing the reinvention of the wheel
- Better science governance and management
- Better management of resources for science
- What makes research “legitimate” to skeptical stakeholders and the public?
- Enhance networking among programs

Watershed	Size (sq km)	States , Districts, and Provinces	# People Relying on Water System (x 1,000,000)	Dependent Economic Output (Billions)**
CA Bay-Delta Watershed	118,000	CA	27	\$2,200
Chesapeake Bay & Watershed	166,000	DE, MD, NY, PA, VA, WV, DC	18	\$107
Coastal Louisiana	21,400	LA	2	\$36
Great Lakes	764,000	IL, IN, MI, MN, NY, OH, PA, WI, ON, QC	30	\$4,600
Greater Everglades Ecosystem	47,000	FL	8	\$394
Puget Sound	35,500	WA, BC	4.8 (US side)	\$194



Photo Credit: California Department of Water Resources

Regional Program Comparisons The Science Enterprise Workshop

November 1-2, 2016

Davis, California

Regional Program Presentations

Coastal Louisiana Denise Reed (Water Institute of the Gulf)

Puget Sound Bill Labiosa (USGS)

Scott Redman (Puget Sound Partnership)

Chesapeake Bay Scott Phillips (USGS)

Florida Everglades Nick Aumen (USGS)

Great Lakes Jon Hortness (USGS)

California Bay-Delta Ted Sommer (DWR)

Josh Collins (SFEI)

Points of Comparison

- History of Regional Program Development
- Major Resources Management Issues
- Current Science Enterprise Structure
- Funding for Science
- Important Tools for Implementing Science
- Communications and Co-Production

Panel Discussions

- Science Strategies in Large Programs
- Governance and Adaptive Management
- Funding and Resource Allocation
- Legitimacy, Co-Production, and Communication

Executive Summary, Proceedings, Video Record

<http://deltacouncil.ca.gov/events/implementation-committee-event/science-enterprise-workshop>

Strong Agreement

Ensure effective leadership

Know and use resources wisely

Credibility and legitimacy are crucial

Strong Agreement

Leadership

- Ensure clearly defined leadership and decision-making structures with active engagement at the highest level
- Adopt real adaptive management (or don't call what you're doing AM)

Strong Agreement

Wise use of resources

- Aggressively review programs, including monitoring
- Use Competitive funding mechanisms to attract the best and brightest
- Increase emphasis on synthesis and forecasting

Strong Agreement

Credibility and Legitimacy

- Collaboration, co-production
- Improve communication and discussion of scientific methods and findings
- Emphasize independent review processes
- Foster clear separation of science from policy

Follow-up?

- **Tools for planning and evaluating science programs that support resource management**
- **Some specific to-dos in CA**

Chesapeake Program vs Others

- **Pre-eminent federal role**
- **Comprehensive and watershed-scale**
- **Surface water supply not as prominent an issue**

Session 23

Chesapeake Bay Adaptive Management and Decision-Making

David Goshorn – “The Chesapeake Bay Partnership’s Strategy Review System: Developing an Adaptive Management System for Restoring the Chesapeake Bay”

Laura Drescher – “Is it Working? Evaluating Successes and Challenges in Implementing Adaptive Management in the Chesapeake Bay Program Partnership”

Lucinda Power – “A Changing Chesapeake Bay: A New paradigm for Stakeholder Engagement”