

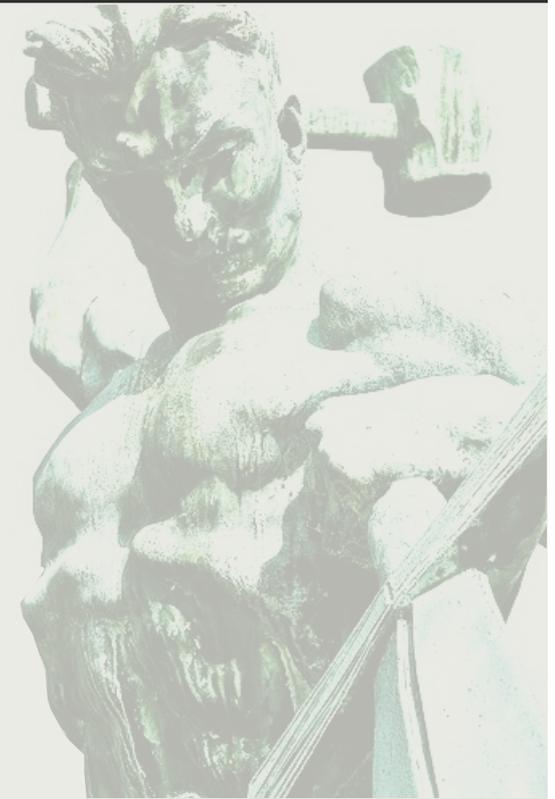
Collaborative Science and Adaptive Management Program (CSAMP)

Overview for the DSP
External Peer Review Panel –
Delta Smelt Entrainment

Valerie Connor, CAMT Co-Chair
Leo Winternitz, CAMT Co-Chair

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Acronym Lesson

- **CSAMP** is the Collaborative Science and Adaptive Management Program
- **CAMT** is the Collaborative Adaptive Management Team
- CSAMP was created in April 2013 by a Court Order when the agencies involved in litigation over the Biological Opinions for Delta Smelt and salmonids requested that the Court allow them to develop a collaborative science effort.

Court Order (Doc. 1106)

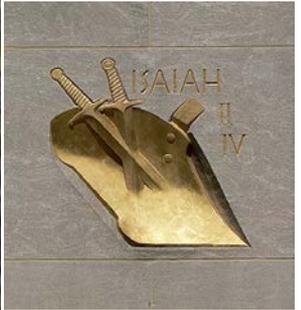
Section II.B.1.a. **General Description of the CSAMP Process.**

. . . The stated goal of the CSAMP is to “**develop a robust science and adaptive management program**, with collaboration of the scientists and experts from Public Water Agencies (PWAs) and the NGO community, that will inform the development and implementation of the BiOps, [the Bay Delta Conservation Program (“BDCP”)], and other programs.”

Court Order (Doc. 1106)

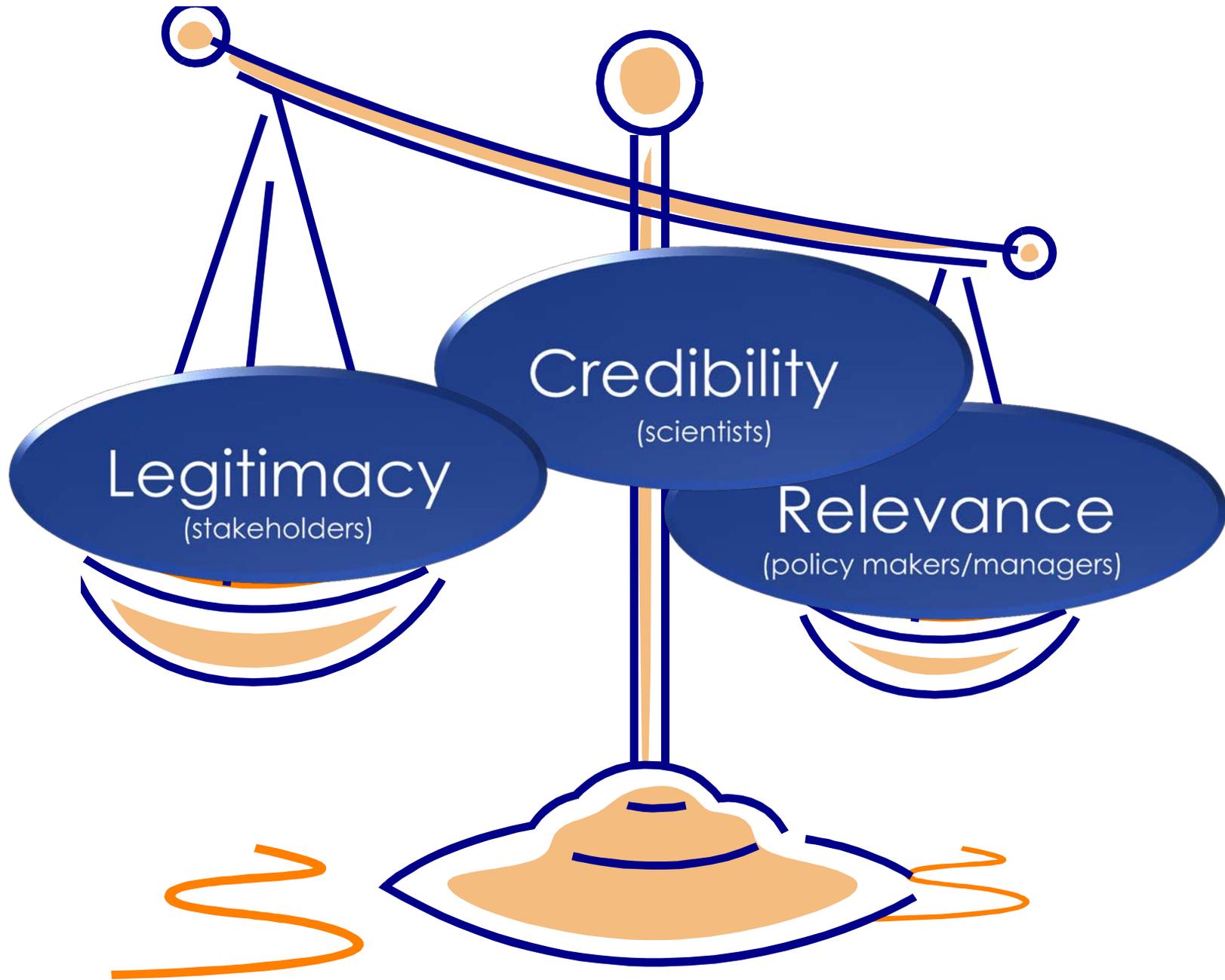
Section II.B.1.a. **General Description of the CSAMP Process.**

Movants believe that the implementation of CSAMP “will result in a halt to the counter-productive litigation cycle through the **development of common understandings of the science, joint fact-finding, increased transparency through information sharing, and a commitment to work together** so that the parties develop trust and no longer use the courts to solve disputed scientific and technical issues.”



“They shall beat their swords into plowshares, and their spears into pruning hooks.”

Isaiah 2-4

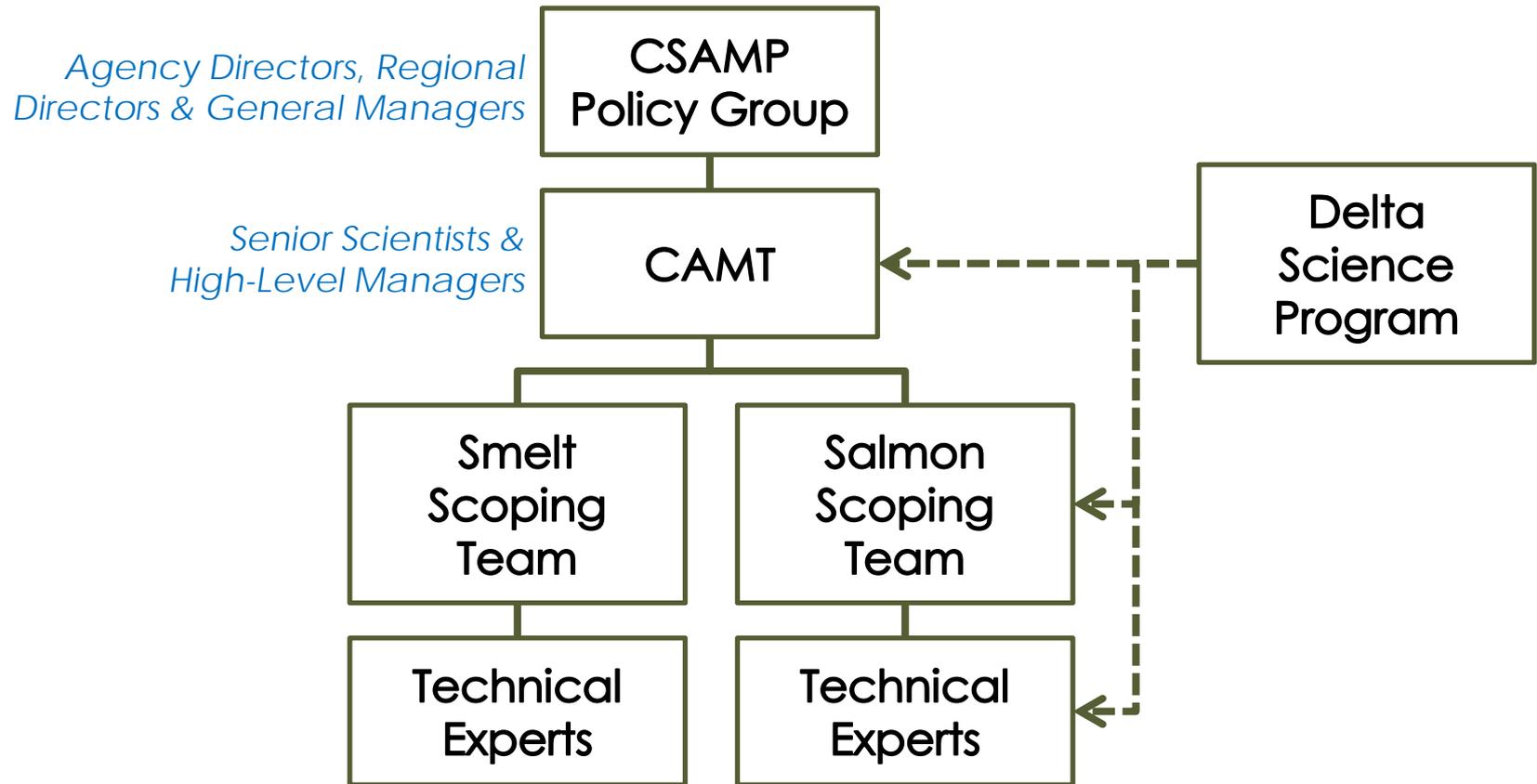


Legitimacy
(stakeholders)

Credibility
(scientists)

Relevance
(policy makers/managers)

Structure and Process



Phase 1 Accomplishments

- Prioritized areas of focus
 - Fall Outflow for Delta Smelt
 - **OMR Management and Entrainment**
 - South Delta Salmonid Survival
 - (Ecosystem Restoration Effectiveness)
- Compared conceptual models
- Identified key questions and hypotheses
- Developed initial 2014 workplans

Delta Smelt Scoping Team

- Completed study plan outlines:
 - **3-2-1 Factors Affecting Adult Delta Smelt Entrainment**
 - **3-2-2 Population Effects of Entrainment**
 - 3-1-3 Effects of Fall Outflow/X2 on Delta Smelt
 - (3-1-3 Delta Smelt Sampling Methods)
- Engaged independent investigative teams for preparation of detailed study proposals for first three
- Study proposals transmitted to DSP for design level peer reviews

Next Steps

- Revise proposal based on external review
- Fund
- Conduct Investigations
- Panel reviews products
- Complete Analyses
- Inform management actions

Lessons Learned

▣ Maintaining Relevance

Relevance to key management issues requires careful deliberation and input from many parties

▣ Building Trust

Trust is fundamental for effective collaboration and it takes time and resources to build this foundation

▣ Preserving Credibility

- ▣ Support from the Delta Science Program has been critical to ensuring the process is viewed as credible.
- ▣ External reviews of proposals and products is essential –Thank you!

CAMT reports, agendas, minutes and notes are posted at SFCWA.org

Thank you!