



# **State of Science for the Bay-Delta System**

**CALFED Science Program Staff  
Report and Proposal**

# SOSBDS Report Background

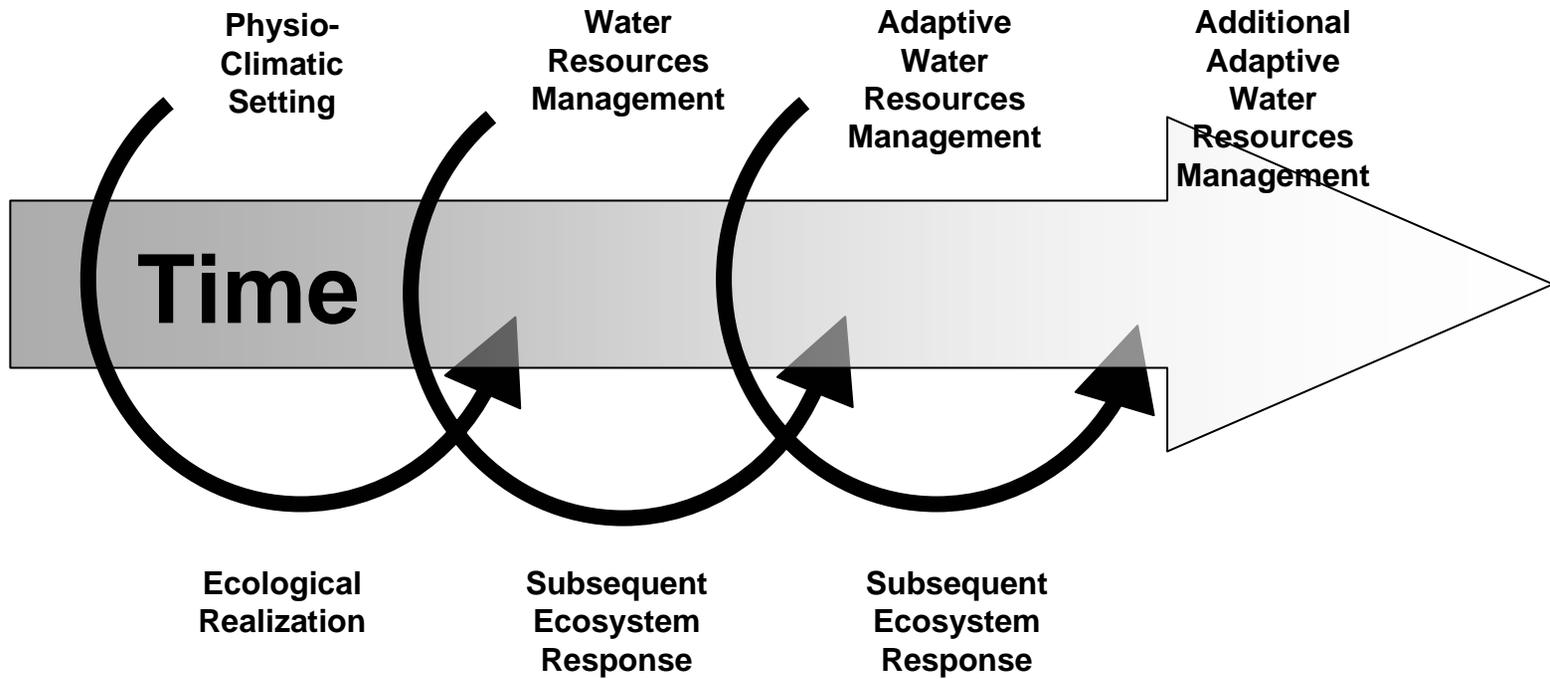
- August proposal = Technical Appendices-based approach
- ISB Recommendation = Draft Report-based approach
- Staff Progress for November = Draft Report outline

# ISB SOSBDS-related Task

- Review and Comment on Draft Report outline and document development

# Draft Document

- Relational diagram of component chapters (outline elements I-V)
- Conceptual Document Approach (three-tiered organization)
- Proposed “level of effort” (page counts)



**30,000' View**

# Physical Forcing

Climate (I.)

Tides

Oceanic Oscillations

Watershed Geology

Geomorphology

**State of Science for the Bay-Delta System Report Framework**

# Physical Forcing

Climate (I.)  
Tides  
Oceanic Oscillations  
Watershed Geology  
Geomorphology

## Management

Dam Operations (II.)  
Exports & Diversions  
Levees  
Land Use/BMPs  
Restoration  
Urbanization  
Agriculture



# Physical Forcing

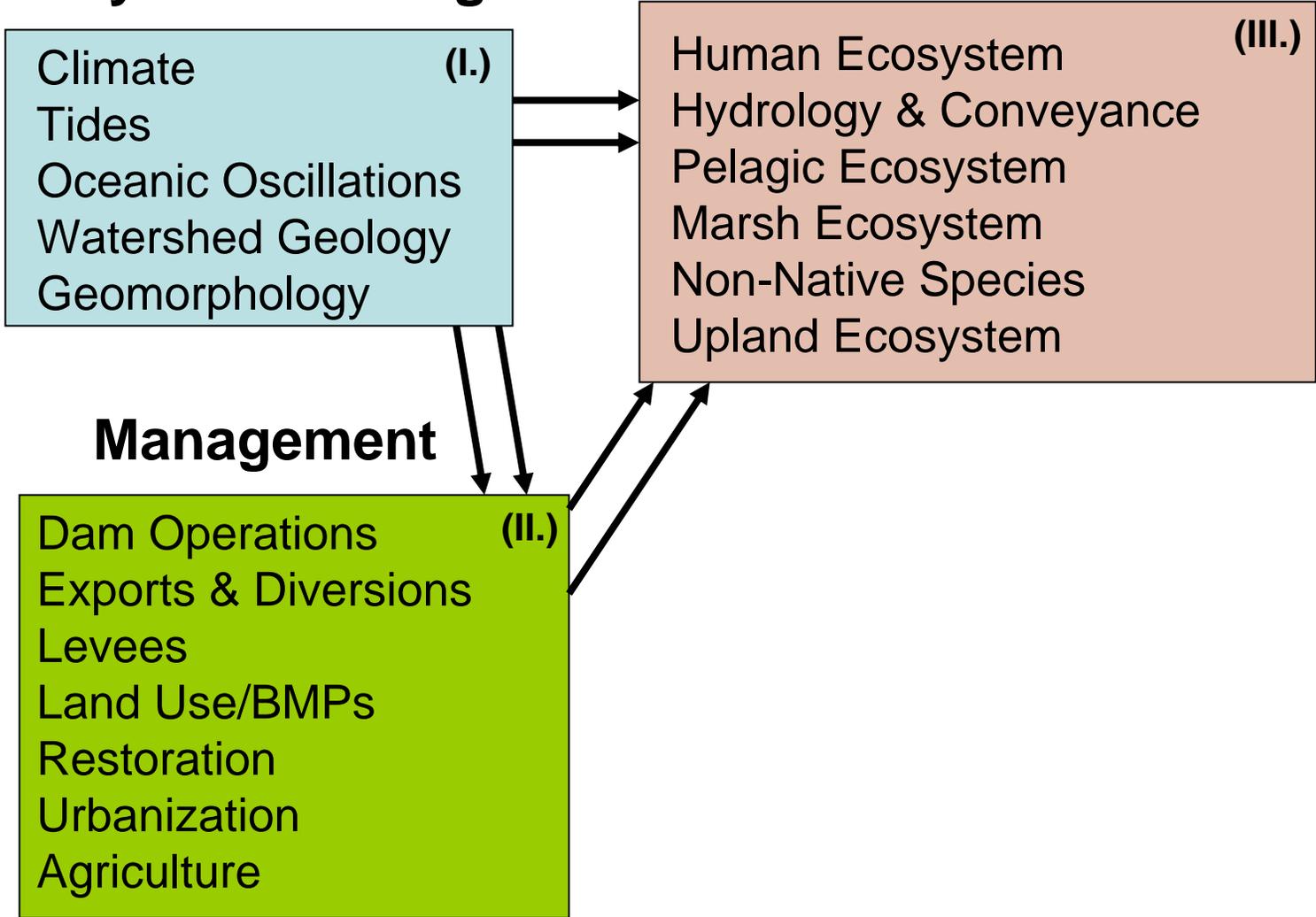
(I.)  
Climate  
Tides  
Oceanic Oscillations  
Watershed Geology  
Geomorphology

# Delta Ecosystems

(III.)  
Human Ecosystem  
Hydrology & Conveyance  
Pelagic Ecosystem  
Marsh Ecosystem  
Non-Native Species  
Upland Ecosystem

# Management

(II.)  
Dam Operations  
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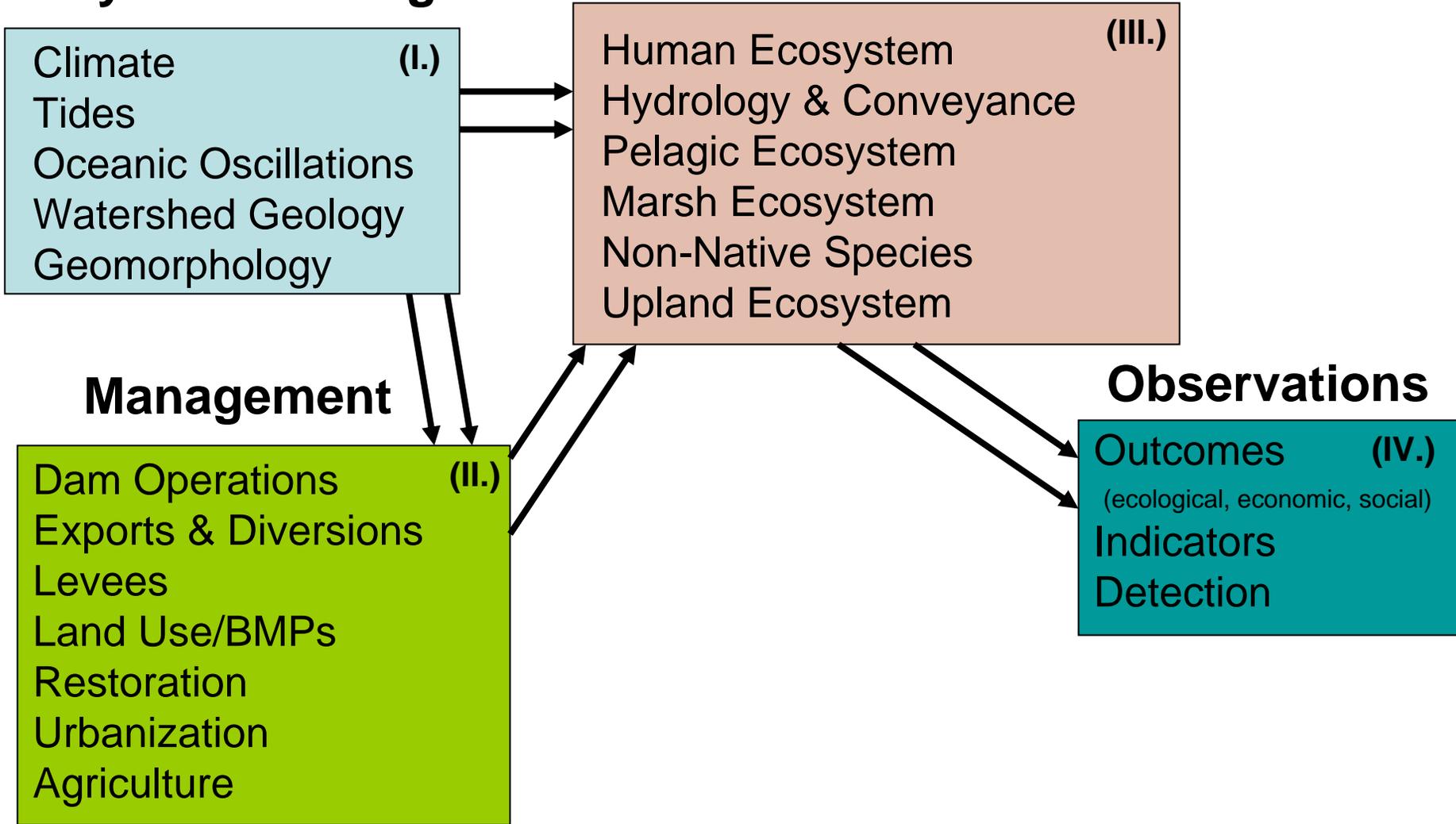
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Agriculture

# Observations

(IV.)  
Outcomes  
(ecological, economic, social)  
Indicators  
Detection



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Tides  
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Geomorphology

# Delta Ecosystems (III.)

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Upland Ecosystem

# Management (II.)

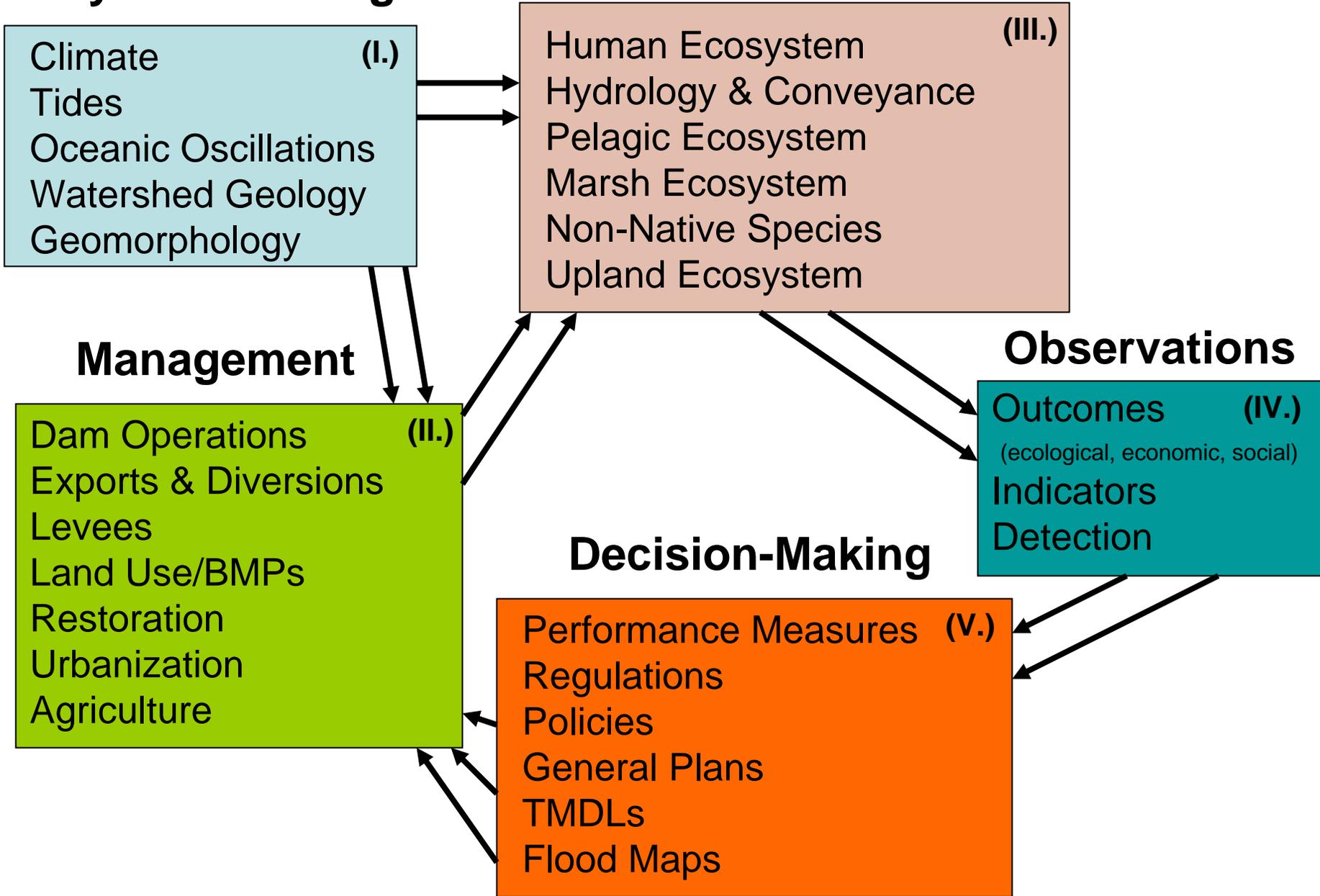
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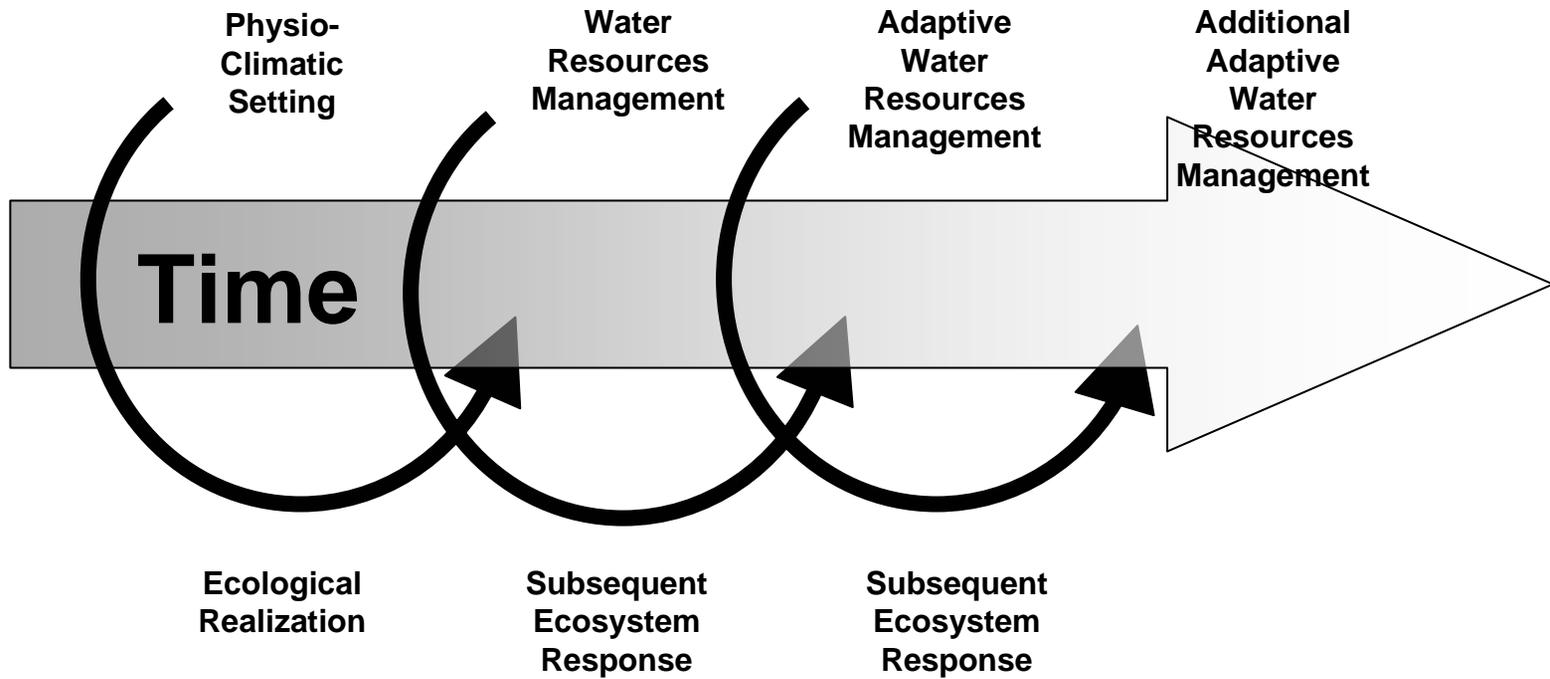
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Outcomes (ecological, economic, social)  
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# Decision-Making (V.)

Performance Measures  
Regulations  
Policies  
General Plans  
TMDLs  
Flood Maps





**30,000' View**

# Physical Forcing

(I.)  
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# Delta Ecosystems

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# Observations

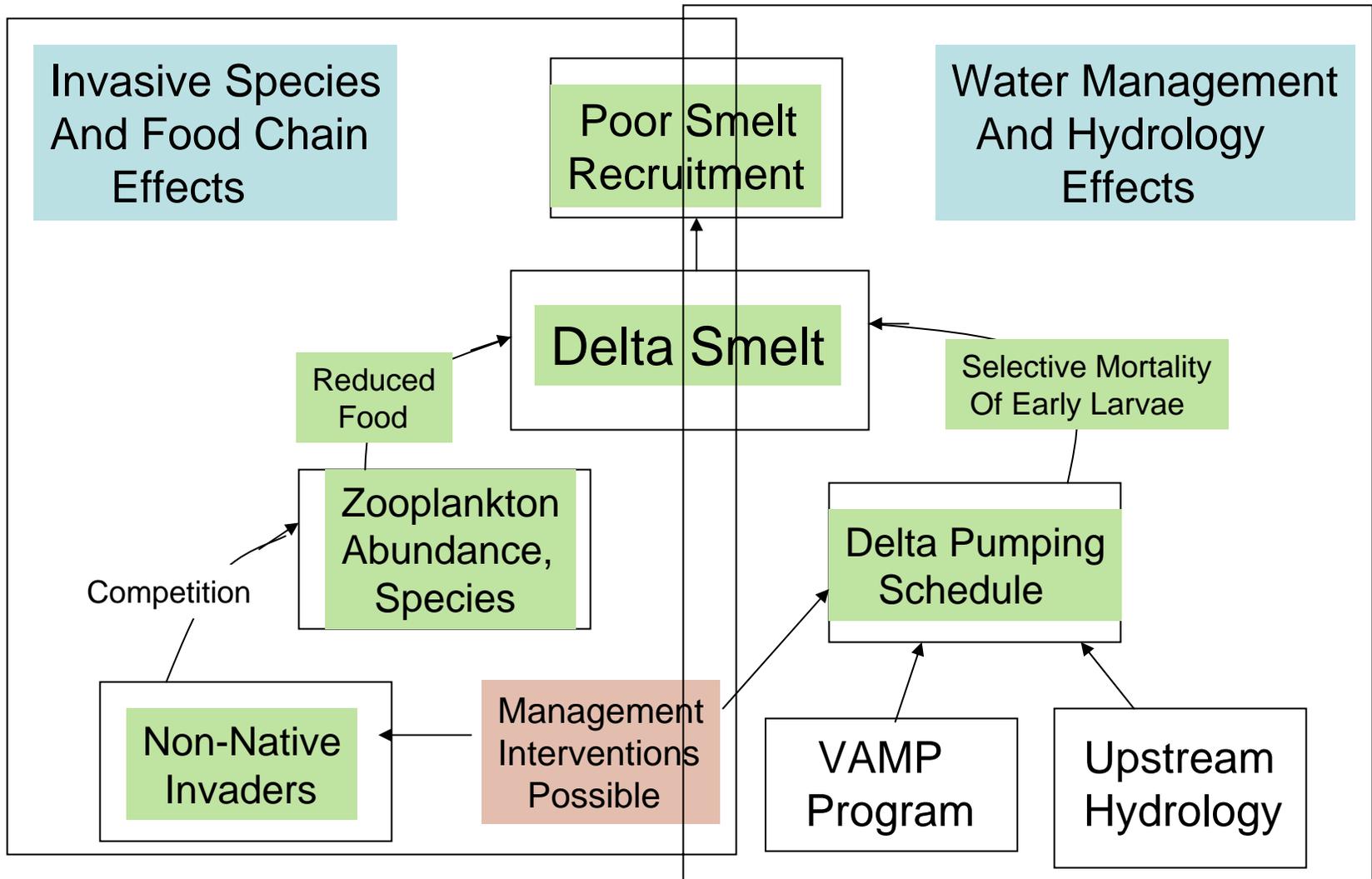
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# Decision-Making

(V.)  
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**3,000' View**

# Two Hypotheses About Decline in Delta Smelt



XXXXX

Potential for Performance Evaluation

**300' View**

**30,000' View**

**Executive Summary  
(5 pages)**



**3,000' View**

**State of Science Report  
(50 pages)**



**300' View**

**Technical Appendices  
(500 pages)**



# Timeline

- Draft Report & Compilation of Technical Appendices
  - May 2007
- Independent Technical Review
  - August 2007
- Final Draft for ISB approval
  - November 2007



Questions?