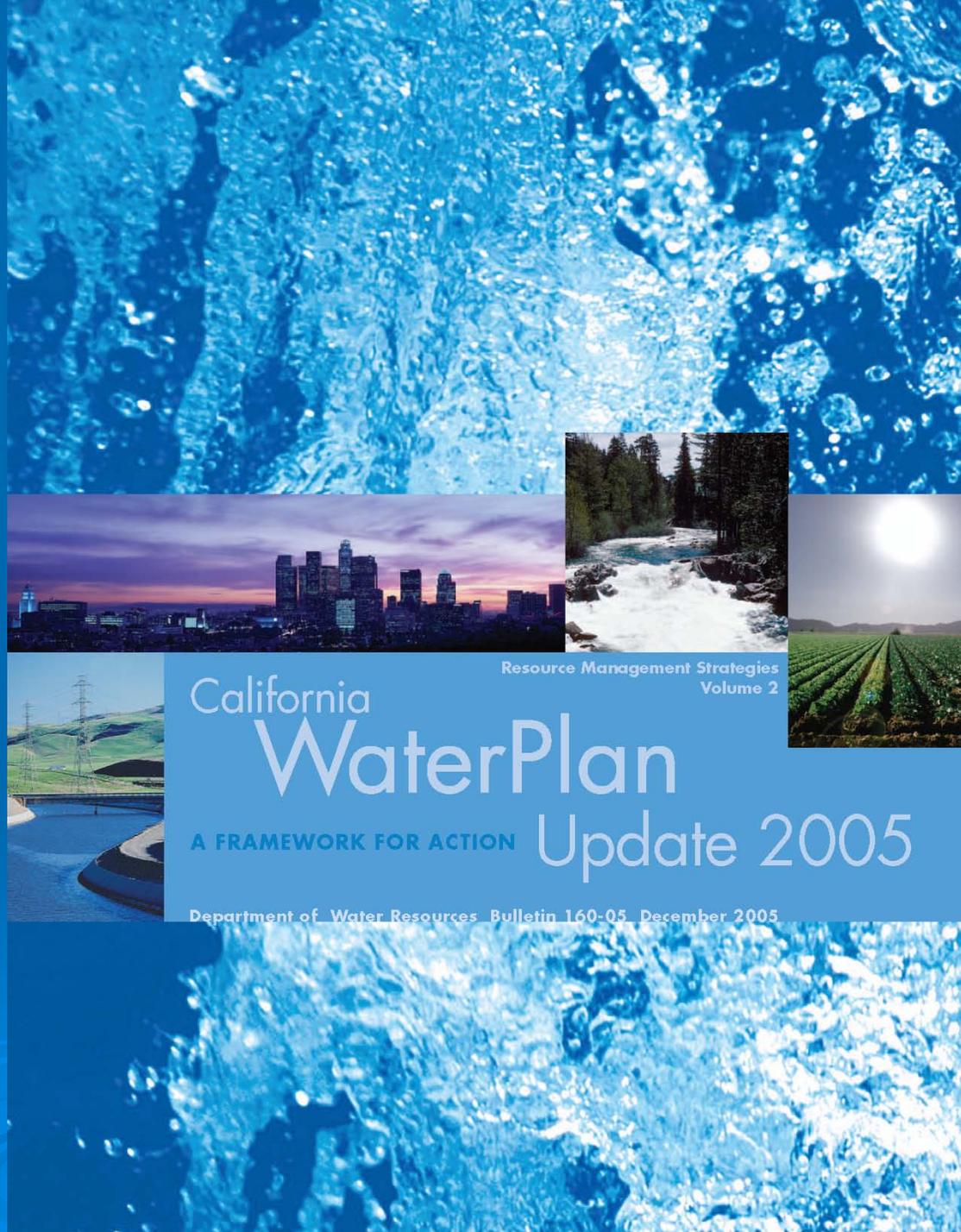


# California Water Plan Update 2009

**We Are Here =>  
Work Plan Recap**

**1<sup>st</sup> Plenary Meeting  
Sacramento  
October 22-23, 2007**



Resource Management Strategies  
Volume 2

# California WaterPlan

A FRAMEWORK FOR ACTION Update 2005

Department of Water Resources Bulletin 160-05 December 2005

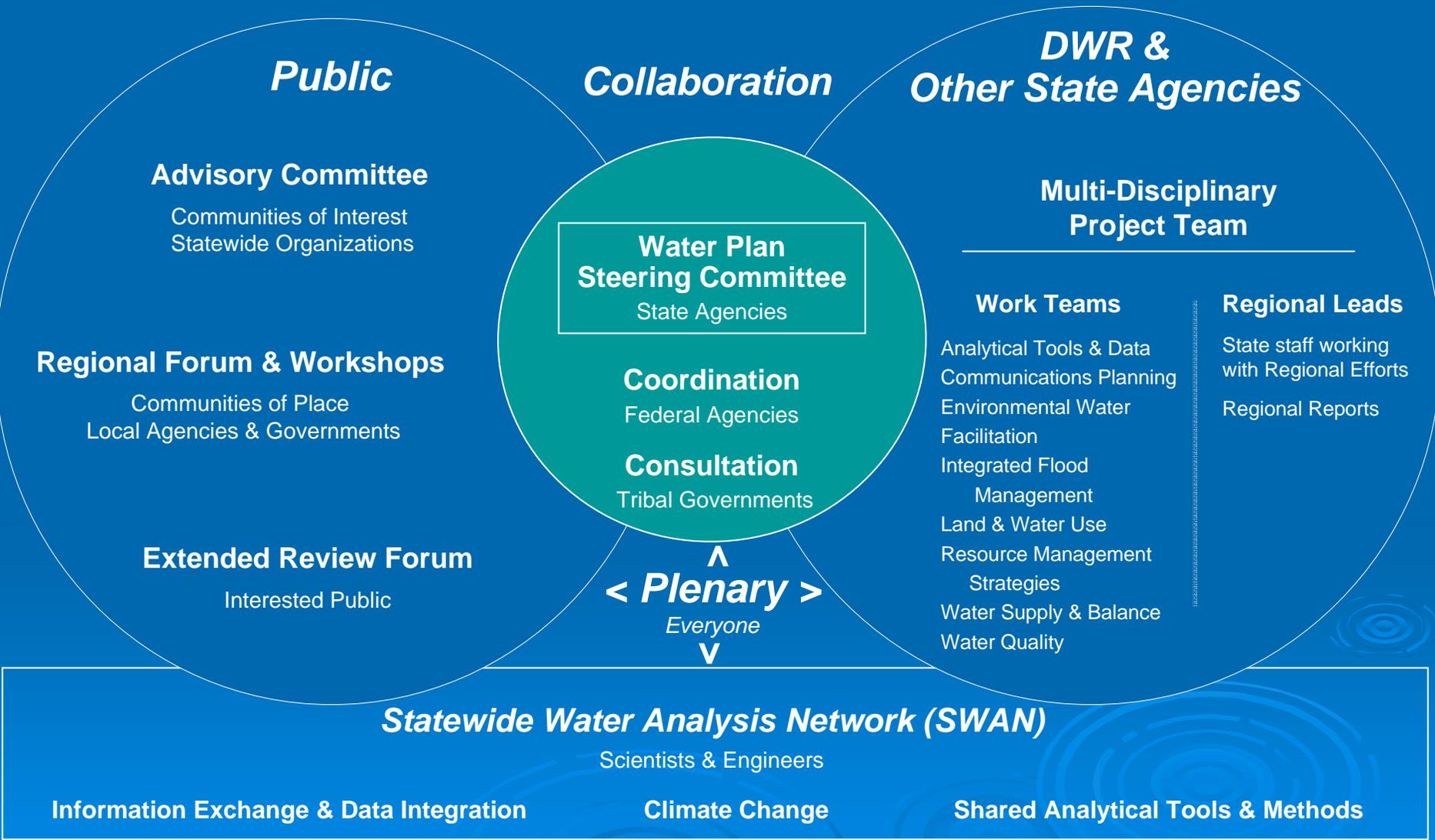
# Topics

- Update 2009 Process Recap
  - Multiple venues
  - Key Activities, Documents & Schedule
- Accomplishments
- Looking Ahead -- the Work Plan
- Intended Outcomes of 1<sup>st</sup> Plenary Meeting

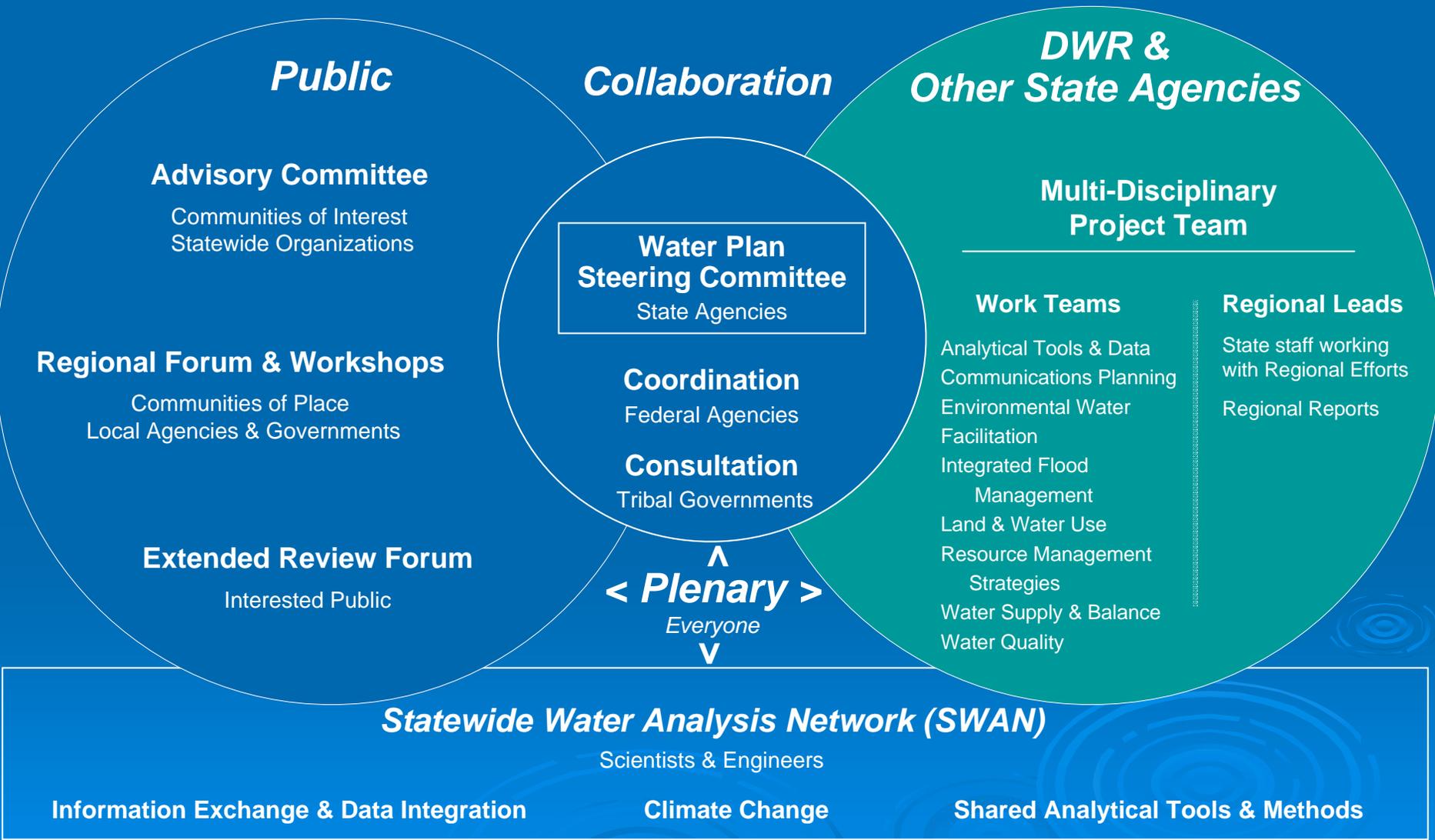
# Update 2009

# Process Recap

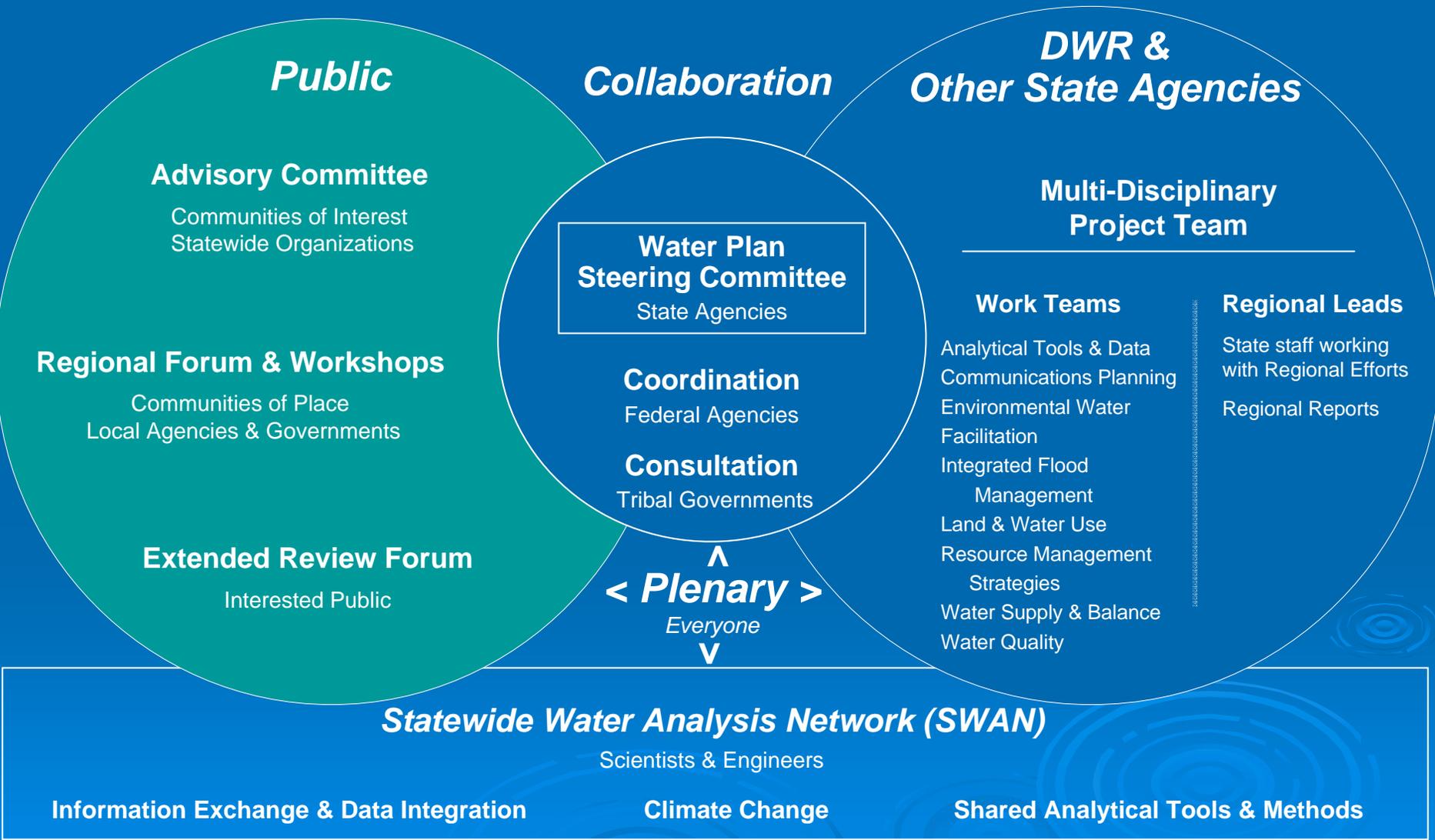
# California Water Plan Update 2009 Process Guide



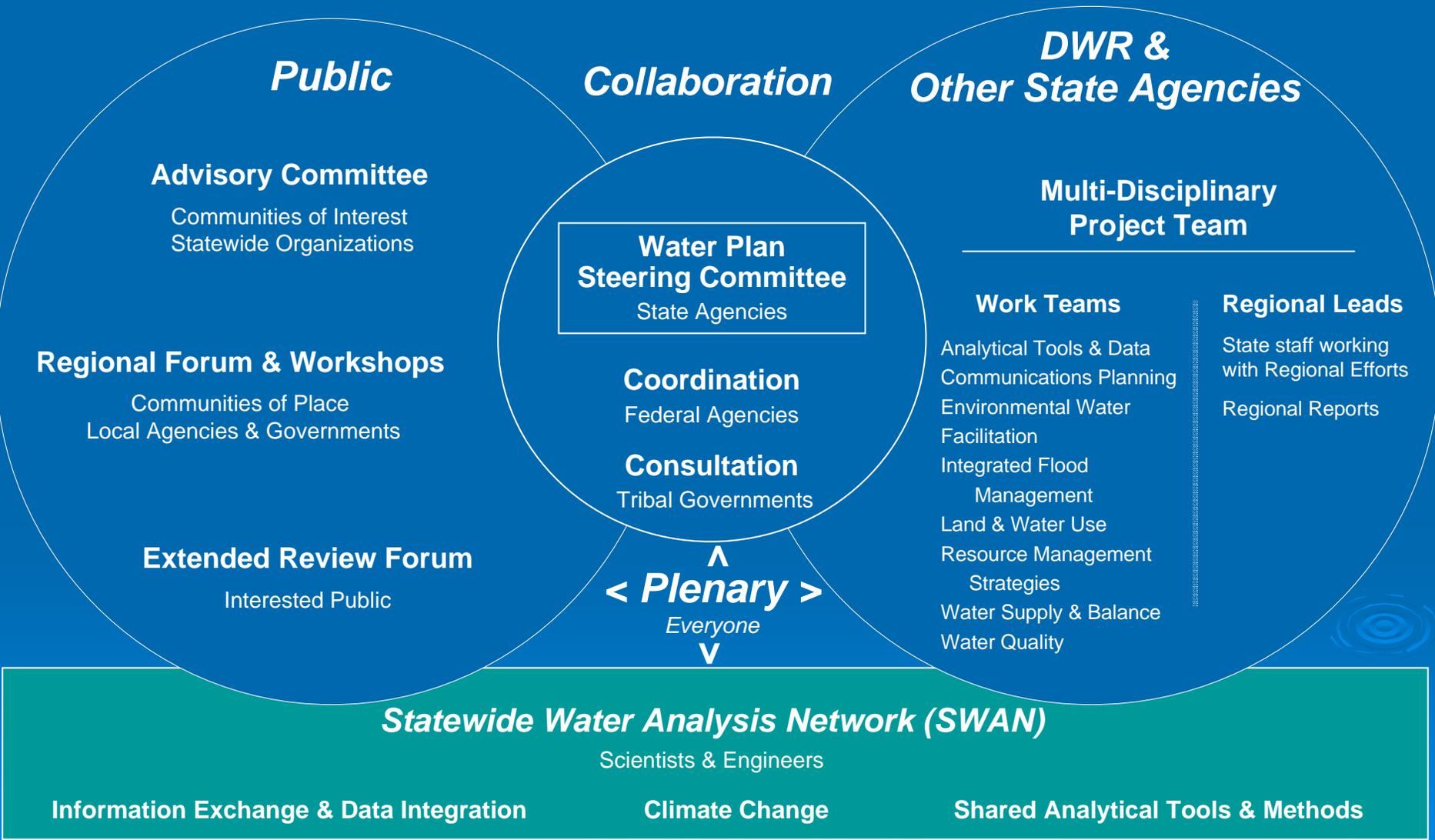
# California Water Plan Update 2009 Process Guide



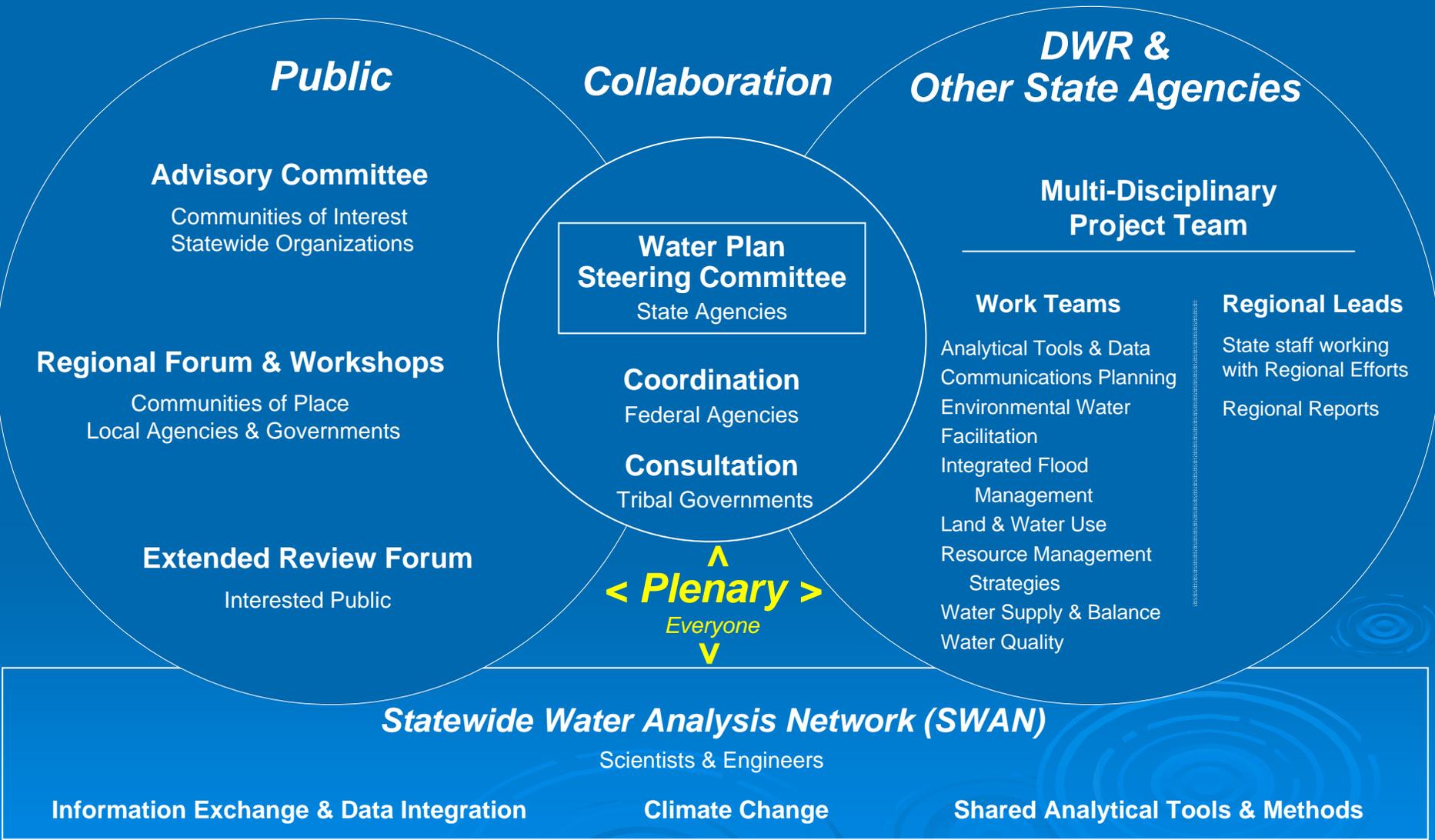
# California Water Plan Update 2009 Process Guide



# California Water Plan Update 2009 Process Guide



# California Water Plan Update 2009 Process Guide



# Key Activities & Documents

# 1. Evaluate Progress on Update 2005 & Revise the Strategic Plan

Vision

Mission

Goals

Recommendations

Implementation Plan

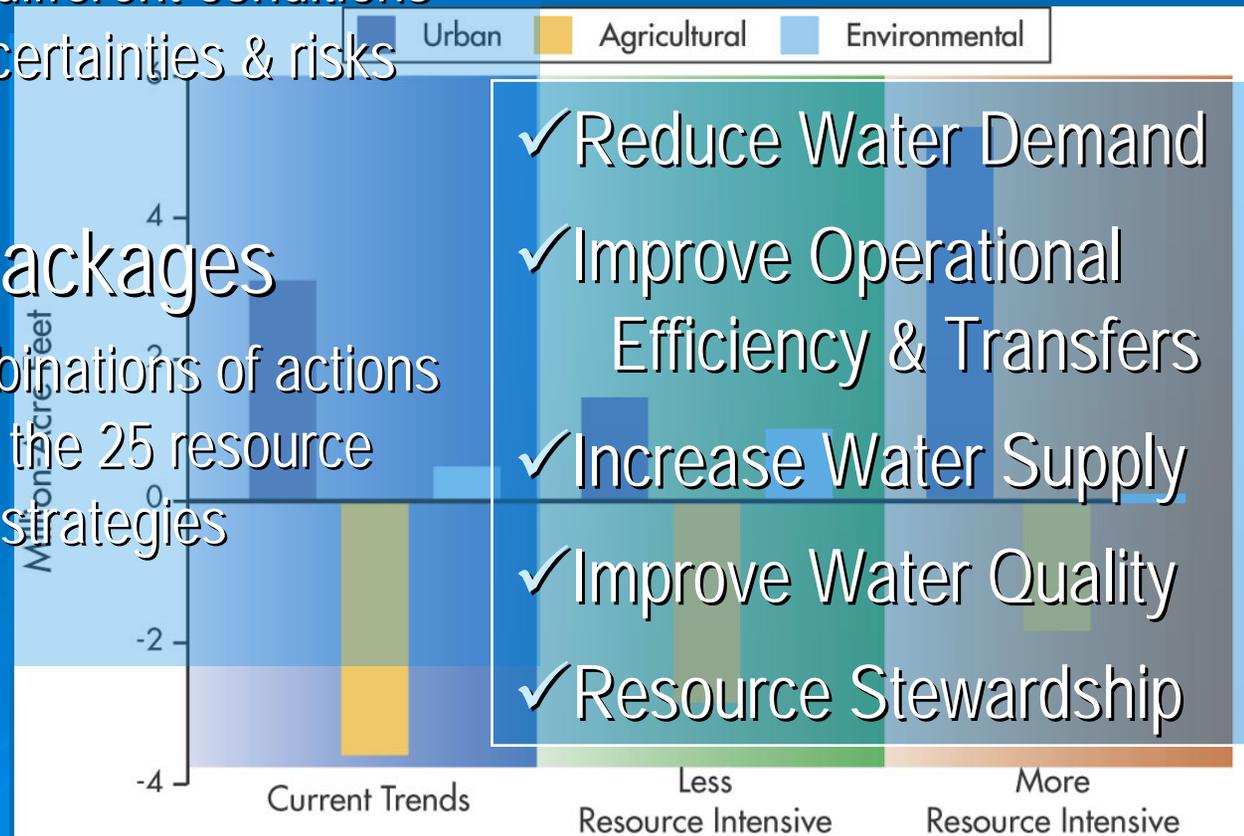
## 2. Update the Future Scenarios & Develop Response Packages

### ➤ Multiple Future Scenarios

- Plausible yet different conditions to plan for uncertainties & risks

### ➤ Response Packages

- Different combinations of actions selected from the 25 resource management strategies



### 3. Quantify Climate Change Impacts & Recommend Adaptation Actions

What risks does climate change pose for the management of California's water resources?





## 4. Update & Expand 12 Regional Reports

- Build on Update 2005 reports
- Engage regional water planning efforts
- Utilize integrated regional water management plans
- Include regional scenarios and response packages

# 5. Update Resource Management Strategies

## Reduce Water Demand

- Agricultural Water Use Efficiency
- Urban Water Use Efficiency

## Improve Operational Efficiency & Transfers

- Conveyance
- System Reoperation
- Water Transfers

## Increase Water Supply

- Conjunctive Management & Groundwater Storage
- Desalination –Brackish & Seawater
- Precipitation Enhancement
- Recycled Municipal Water
- Surface Storage – CALFED
- Surface Storage - Regional/Local

## Improve Water Quality

- Drinking Water Treatment and Distribution
- Groundwater/Aquifer Remediation
- Matching Quality to Use
- Pollution Prevention
- Urban Runoff Management

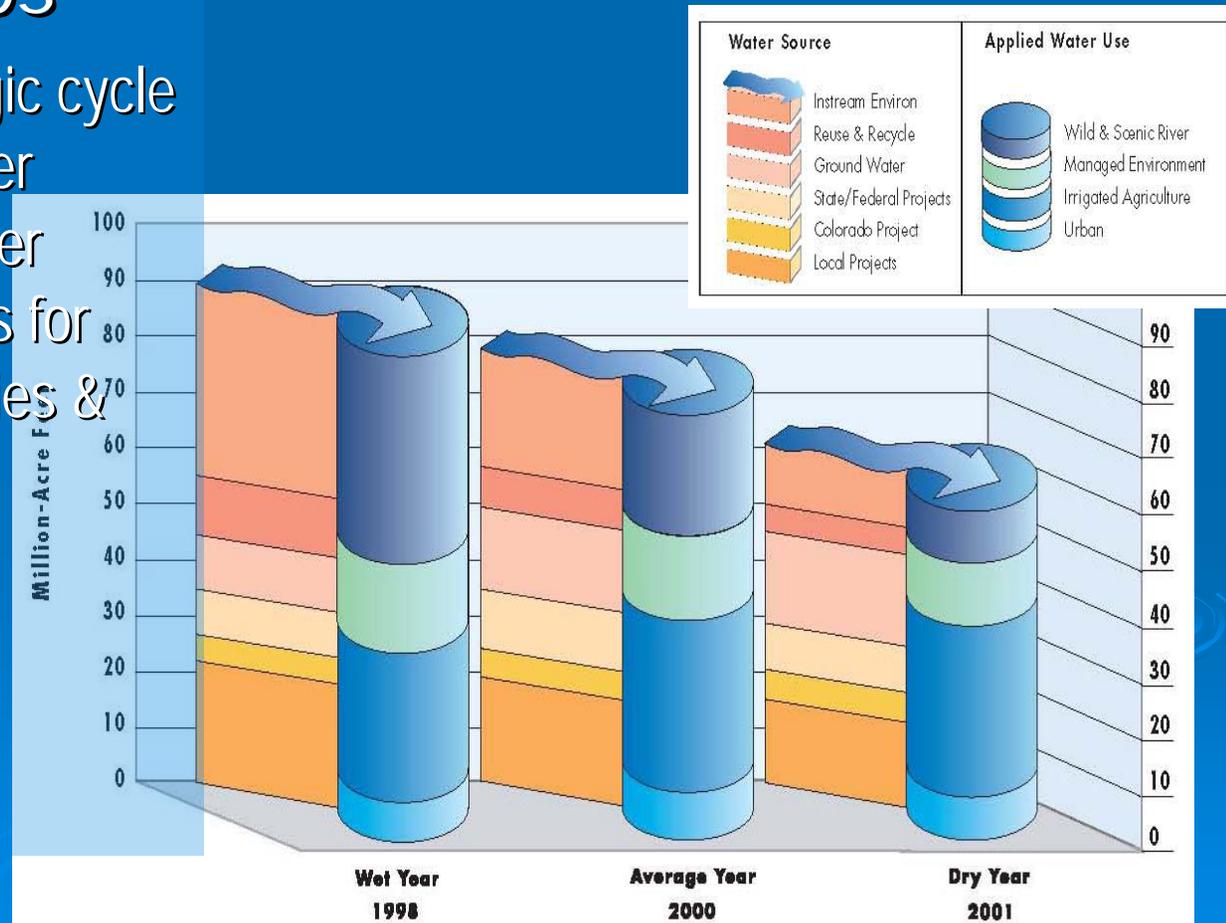
## Practice Resource Stewardship

- Agricultural Lands Stewardship
- Economic Incentives (Loans, Grants, and Water Pricing)
- Ecosystem Restoration
- Floodplain Management
- Recharge Areas Protection
- Urban Land Use Management
- Water-Dependent Recreation
- Watershed Management

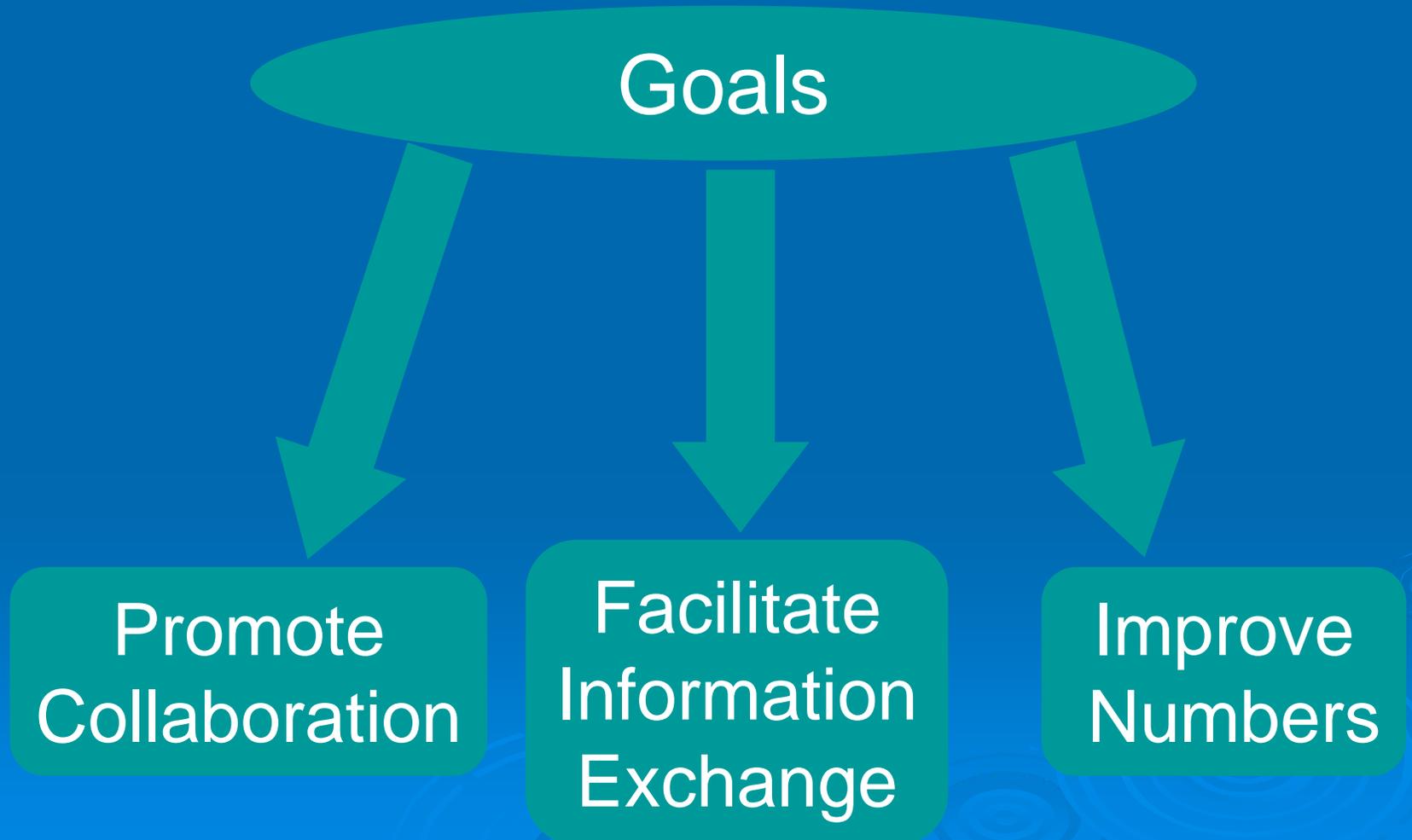
# 6. Add Water Portfolio Data for 5 years: 1999, 2002 – 2005

## ➤ Water Portfolios

- Describe hydrologic cycle and historical water conditions with over 80 data categories for water uses, supplies & water quality



# 7. Improve Analytical Tools, Data & Data Exchange

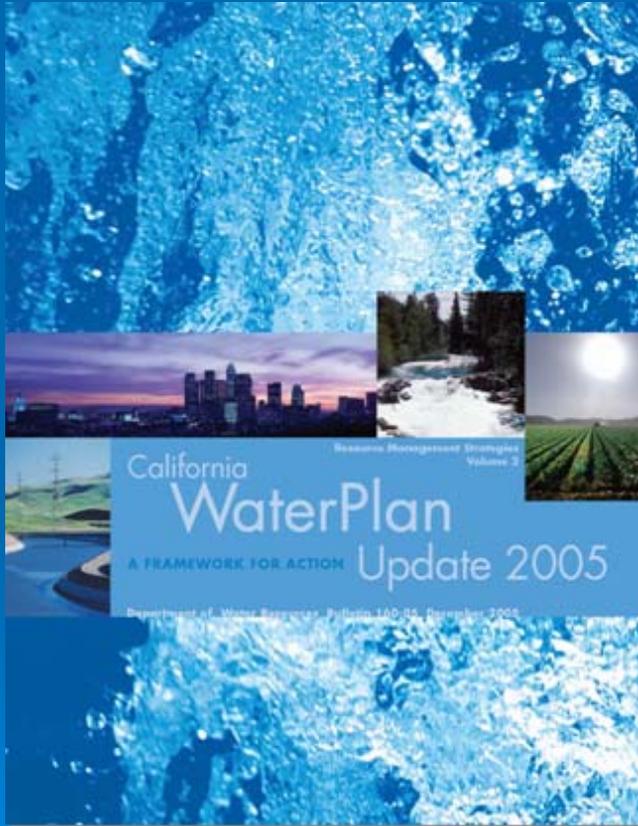


## 8. Incorporate State Companion Plans

- Water Boards Basin Plans
- FloodSafe Strategic Plan
- Delta Vision & Strategic Plan
- CALTRANS CA Transportation Plan & Regional Blueprint Plans
- CEC Integrated Energy Policy Report
- CPUC Water Action Plan
- DFG Ecosystem Restoration Plan
- OES Emergency Response Plan
- OPR General Plan Guidelines
- And Others

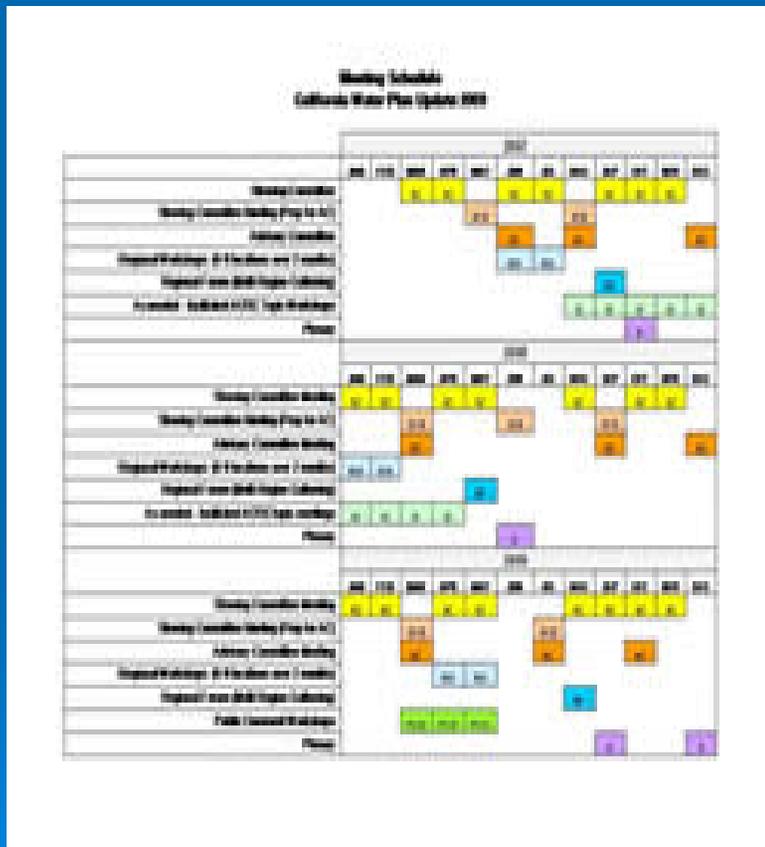


# Mandated Documents & Due Dates



- Dec. 2007 – Draft Assumptions & Estimates Report
- Dec. 2008 – Public Review Draft Final A&E Report
- Dec. 2009 – Final Water Plan

# Meeting Schedule for 2007 - 2009



- 9 Advisory Committee Meetings
- 25 - 30 Regional Workshops
- 3 All-Regions Forums
- 10 - 15 SWAN Workshops
- Topical Workshops (as needed)
- 4 Plenary Summits (Everyone)
- 15 – 20 Steering Committee Mtgs
- Tribal Consultation Meetings
- Federal Coordination Meetings

# Accomplishments

# 7-Month Collaboration Statistics

Mar – Sep 2007

## Comparison

Update 2005

23,300 person-hours  
in 60 months

Update 2009

6,900 person-hours  
in 7 months

Statistic

30% of collaboration in  
12% of the time

Meeting	Number	Person Hours
Steering Committee	5	693
Advisory Committee	2	1507
Regional Workshops	10	2565
All-Regions Forum	1	1040
Plenary	1	???
SWAN Workshops	4	946
Tribal Water Committee	1	154
<b>Totals</b>	<b>24</b>	<b>6905</b>

Does not include Organizational Briefings,  
Conferences & Plenary

# Steering Committee

- Met 5 times since March 2007
- 19 State Agencies are providing policy input, oversight, and program management for Update 2009
- Setting priorities for current and planned work
- Work Topics
  - Improved networking among members
  - Coordinating regional outreach & activities
  - Clarifying role of State & Federal Agencies for implementing Recommendation 13 on Tribal Water & Participation
  - Ways to leverage State Bond Funds for multiple benefits
  - Identified State Companion Plans related to Water Plan

# Tribal Consultation & Outreach

- Informed California tribes of Update 2009 launch & Invited tribes to participate
- Convened a Tribal Water Committee to design tribal outreach & Communication Plan
  - Met on October 3 – meets again November 7
- Plan to organize a California Tribal Water Summit during Update 2009

# Advisory Committee

- 45 members representing statewide organizations (communities of interest)
- Met in June & August 2007
- Work Topics:
  - Reviewed Update 2005 Strategic Plan elements
  - Ways to incorporate Integrated Flood Management
  - Improving Tribal outreach -- goals and outcomes
  - Reviewed Update 2005 Future Scenarios & offered new factors and themes for Update 2009 Scenarios
  - Overview of Climate Change impacts, TAG & work plan
  - SWAN Role, quantitative deliverables & work plan

# Regional Workshops

- Completed 1<sup>st</sup> of 3 cycles – 10 interactive workshops
- Consolidated input posted on Regional Outreach Webpage
- Designated 4 DWR Regional Leads  
+ Regional staffs from State Agencies are attending
- Work Topics:
  - Update 2005 Overview & Update 2009 Process Guide
  - Regional Outreach approach & participants
  - Content & Draft Outline for Regional Reports
  - Related Statewide Initiatives (IRWM, FloodSAFE, SWAN)

# All Regions Forum

- Annual gathering of delegates from all regions (different locations each year)
- 1<sup>st</sup> of 3 on Sept. 17-18, 2007 in Ontario, California
- Work Topics:
  - Reviewed work from Summer 07 Regional Workshops
  - How to apply Future Scenarios in regional planning
  - Discussed 25 Resource Management Strategies -- their regional implementation & priorities

# Statewide Water Analysis Network (SWAN)

➤ Held 4 Workshops since December 2006

➤ Work Topics:

- Shared Vision Planning approach
- Conceptual Analytical Framework
  - Unified Modeling Language (UML)
- SWAN Pilot Studies
- Case Studies for implementing Future Scenarios
- Water Portfolios & new Inflow-Outflow method
  - How to describe current water conditions

# Looking Ahead

Work Plan Showing  
Activities, Document Review  
& Meetings

# Key Activities

Public Venues for  
*Update 2009*

Key Activities	GROUP NAME Table entries are (Month & Year)	Strategic Plan	Scenarios	Climate Change	Regional Reports	Management Strategies & Response Packages	Water Portfolios	Analytical Tools	Companion Plans
	Advisory Committee	Jun 07 Jun 08 Mar 09	Aug 07 Dec 07 Mar 08	Jun 07 Aug 07 Dec 07 Mar 08		Mar 08 Jun 08 Mar 09		Jun 07 Dec 07	Aug 07 Mar 08 Mar 09
	Regional Workshops (In-Region)	Jul 07	Feb 08		Jul 07 Feb 08	Feb 08	Feb 08		Jul 07
	All-Regions Forum (Alternates North & South CA)		Sep 07 May 08	Sep 07	Sep 07 May 08 Aug 09	Sep 07 May 08	May 08		
	Plenary Meeting	Oct 07	Oct 07	Oct 07		Oct 07			Oct 07
	SWAN Workshop		Sep 07 Nov 07	Nov 07			Sep 07	Sep 07	
	Tribal Water Summit	<i>Dates and Agenda for the Summit are being planned. The purpose of the summit is to enable statewide consultation on the Water Plan</i>							

# Key Activities

Content Areas for  
Update 2009

Key Activities	GROUP NAME Table entries are (Month & Year)	Strategic Plan	Scenarios	Climate Change	Regional Reports	Management Strategies & Response Packages	Water Portfolios	Analytical Tools	Companion Plans
	Advisory Committee	Jun 07 Jun 08 Mar 09	Aug 07 Dec 07 Mar 08	Jun 07 Aug 07 Dec 07 Mar 08		Mar 08 Jun 08 Mar 09		Jun 07 Dec 07	Aug 07 Mar 08 Mar 09
	Regional Workshops (In-Region)	Jul 07	Feb 08		Jul 07 Feb 08	Feb 08	Feb 08		Jul 07
	All-Regions Forum (Alternates North & South CA)		Sep 07 May 08	Sep 07	Sep 07 May 08 Aug 09	Sep 07 May 08	May 08		
	Plenary Meeting	Oct 07	Oct 07	Oct 07		Oct 07			Oct 07
	SWAN Workshop		Sep 07 Nov 07	Nov 07			Sep 07	Sep 07	
	Tribal Water Summit	<i>Dates and Agenda for the Summit are being planned. The purpose of the summit is to enable statewide consultation on the Water Plan</i>							

# Key Activities At Plenary Meetings

Key Activities	GROUP NAME Table entries are (Month & Year)	Strategic Plan	Scenarios	Climate Change	Regional Reports	Management Strategies & Response Packages	Water Portfolios	Analytical Tools	Companion Plans	
	Advisory Committee	Jun 07 Jun 08 Mar 09	Aug 07 Dec 07 Mar 08	Jun 07 Aug 07 Dec 07 Mar 08		Mar 08 Jun 08 Mar 09		Jun 07 Dec 07	Aug 07 Mar 08 Mar 09	
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	<b>Plenary Meeting</b>	<b>Oct 07</b>	<b>Oct 07</b>	<b>Oct 07</b>		<b>Oct 07</b>			<b>Oct 07</b>	
	SWAN Workshop		Sep 07 Nov 07	Nov 07			Sep 07	Sep 07		
	Tribal Water Summit	<i>Dates and Agenda for the Summit are being planned. The purpose of the summit is to enable statewide collaboration and consultation on the Water Plan</i>								

Activities covered at the October 2007 Plenary are Strategic Plan, Scenarios, Climate Change, Management Strategies & Response Packages, and Companion Plans

# Document Review

Documents &  
Process Review for  
*Update 2009*

Document Review	GROUP NAME Table entries are (Month . Year)	Assumptions & Estimates Report	Public Review Draft	Review Comments	Final Update 2009	Process Review & Scope U2013
	Advisory Committee	Outline Aug 07 Draft Dec 07 Final Dec 08	Outline Aug 07 Draft Jun 08 Preview Dec 08	Jul 09	Preview Oct 09	Oct 09
	Regional Workshops (In-Region), Public Comments for Public Review Draft		Apr & May 09			
	All-Regions Forum (Alternates North to South CA)			Aug 09	Last Input Aug 09	
	Plenary Meeting	Outline Oct 07	Preview Admin Draft Sep 08	Sep 09	Last Input Sep 09 Preview Dec 09	Dec 09
	SWAN Workshops					

# Document Review At Plenary Meetings

Plenary Track

Document Review	GROUP NAME Table entries are (Month . Year)	Assumptions & Estimates Report	Public Review Draft	Review Comments	Final Update 2009	Process Review & Scope U2013
		Advisory Committee	Outline Aug 07 Draft Dec 07 Final Dec 08	Outline Aug 07 Draft Jun 08 Preview Dec 08	Jul 09	Preview Oct 09
	Regional Workshops (In-Region), Public Comments for Public Review Draft		Apr & May 09			
	All-Regions Forum (Alternates North to South CA)			Aug 09	Last Input Aug 09	
	<b>Plenary Meeting</b>	Outline Oct 07	Preview Admin Draft Sep 08	<b>Sep 09</b>	Last Input Sep 09 Preview Dec 09	<b>Dec 09</b>
	SWAN Workshops					

# Plenary Meeting Outcomes

- Cross-pollinate
  - Share ideas and information among venues
- Thoughtful discussion and feedback to inform Subject Matter Experts as writing begins for Update 2009
  - Sustainability - indicators, metrics & performance measures
  - Water & Energy with Climate Change
  - Themes for Future Scenarios
  - Incorporating Integrated Flood Management
  - The Water Quality dimension
  - Role of State government Companion Plans
  - Updating the Resource Management Strategies

# Questions

