



California Water and Environmental Modeling Forum

Ten Years of Promoting Excellence and Consensus in Water and Environmental Modeling

Nigel Quinn, Convenor / Rich Satkowski, Executive Director

Officers / Exec. Director

Convenor

2002-03 Nigel Quinn (LBNL, USBR)
 2001 Richard Satkowski (SWRCB)
 2000 Rob Tull (CH2M Hill)
 1999 Spreck Rosekrans (Env. Defense)
 1998 Richard Denton (CCWD)
 1996-97 Jay Lund (U.C. Davis)
 1995 Jeff Lefkoff (Hydrologic Consultants)
 1994 Greg Gartrell (CCWD)

Vice-Convenor

2003 K.T. Shum (EBMUD)
 2002 Rob Tull (CH2M Hill)
 2000-01 Lloyd Peterson (USBR)
 1999 George Barnes (DWR)
 1998 Spreck Rosekrans (Env. Defense)
 1996-97 Richard Denton (CCWD)
 1995 Jay Lund (U.C. Davis)
 1994 Jeff Lefkoff (Hydrologic Consultants)

Treasurer

2002-03 Lisa Holm (CCWD)
 2001 Kevin Long (SWRCB)
 1994-00 Margaret Johnston (SFEI)

Secretary

2001-03 George Nichol (SWRCB)
 2000 George Nichol (CVRWQCB)
 1994-99 George Nichol (U.S. COE)

Executive Director

2003 Richard Satkowski
 1997-02 John Williams

CWEMF / P.O. Box 488 / Sacramento, CA 95812
 (916) 607-0435 / cwemf@cwemf.org

The California Water and Environmental Modeling Forum (CWEMF) is a non-profit, "consensus" organization whose mission is to increase the usefulness of models for analyzing California's water-related problems with emphasis in the San Francisco Bay-Delta watershed. The CWEMF, which was formed in 1994 as the Bay-Delta Modeling Forum, is celebrating its 10-year anniversary at its 2004 Annual Meeting on February 24-26, 2004. Over the past ten years, the CWEMF has promoted excellence and consensus in water and environmental modeling by doing the following:

- Providing a consensus-building atmosphere on water-related issues;
- Maintaining a modeling clearinghouse that provides an open forum for the exchange, improvement, and pooling of models, modeling information, and professional resources;
- Assisting in mediating technical disputes involving physical, chemical, biological, and economic modeling;
- Conducting impartial peer reviews of models in order to document strengths and weaknesses, suggest improvements, and identify appropriate applications;
- Seeking input from California water stakeholders and decision makers about their modeling needs; and
- Providing educational opportunities through technical conferences and workshops.

California Water and Environmental Modeling Forum
 "Promoting Excellence and Consensus in Water and Environmental Modeling"

The California Water and Environmental Modeling Forum is a non-profit, non-partisan organization whose mission is to increase the usefulness of models for analyzing California's water-related problems. The Forum, which was formed in 1994, carries out this mission by:

- facilitating an open exchange of information on California water issues;
- resolving technical disagreements in a non-adversarial setting; and
- ensuring that technical work continues to take into account the needs of stakeholders and decision makers.

What's New with the Forum

- Mar 19, 2004 Steering Committee Meeting, Davis
- Feb 24-26, 2004 Annual Meeting, Mortenville, California

Water Community Events in California

- Dec 1-3, 2004, ACWA Fall Conference, Palm Springs
- Aug 25-27, 2004, UWSI So. California Urban Water Conference, San Diego
- Jul 15-18, 2004, WEF Water Law & Policy Briefing, San Diego
- Jun 26-30, 2004, AWRA Riparian Ecosystems and Buffers Specialty Conference, Cortez, Vero
- Jun 14-18, 2004, HEC Real Time Water Management Meeting with CWEMF Location TBD
- May 6-7, 2004, ACWA Spring Conference, Monterey
- Apr 22-26, 2004, CWMA Annual Conference, Fresno
- Apr 21-24, 2004, ACSA CAN Meeting, Redding
- Mar 21-24, 2004, ASAQ International Drainage Symposium, Sacramento
- Mar 17-20, 2004, California SRF Symposium, Reston, VA
- Mar 11-12, 2004, WEF Executive Briefing, Sacramento
- Feb 25-27, 2004, WRA CA Water Reuse Conference, Universal City
- Feb 17-18, 2004, 6th Annual Workshop, Los Angeles
- Other Water Events

Forum Activities

- Technical Workshops
- Model Users Group Meetings
- Peer Reviews
- Steering Committee Meetings
- Annual Meeting

Modeling Clearinghouse

- Publications
- Model/DATA
- Links to Forum Organizations
- Links to Consulting Member Organizations
- Links to Other Water Organizations

www.cwemf.org / Kevin Long, Webmaster

BAY-DELTA Modeling Forum

In 1994, the Modeling Forum started out as the **Bay-Delta Modeling Forum**. During the 2000 Annual Meeting, members voted to change the Forum's name to the **California Water and Environmental Modeling Forum** to reflect member's interest in modeling applications outside the Bay-Delta Watershed.

Hugo B. Fischer Award

The Hugo B. Fischer Award, which is made in honor of the late Professor Hugo B. Fischer's pioneering work on San Francisco Bay-Delta water quality modeling, is given annually for (1) the development, refinement or innovative application of a computer model or (2) furtherance of the effective use of models in planning or regulatory functions. Dr. Fischer was a recognized authority in salt-water intrusion, water pollution, heat dispersion in waterways, and the mixing of rivers and oceans. The award was conceived and endowed in 1995 by Lyle Hoag, retired Executive Director of California Urban Water Agencies, who was a co-founder of the Modeling Forum. The Hugo B. Fischer award is presented each February at the Modeling Forum's Annual Meeting.

Hugo B. Fischer Award Winners

2003	Dr. Emin C. Dogrul—California Department of Water Resources
2002	Dr. Gerald Orlob—University of California, Davis
2001	Armin Munevar—California Department of Water Resources
2000	Kamyar Guivetchi—California Department of Water Resources
	Dwight Russell—California Department of Water Resources
1999	Walter Bourez III—Surface Water Resources, Inc. Jack Rowell—U.S. Bureau of Reclamation
1998	No award given.
1997	Dr. Francis Chung—California Department of Water Resources Dr. Gregory Gartrell—Contra Costa Water District
1996	Dr. Ralph Cheng—U.S. Geological Survey
1995	Dr. Richard Denton—Contra Costa Water District Dr. Alan Jassby—University of California, Davis

California Water and Environmental Modeling Forum
 Promoting Excellence and Consensus in Water and Environmental Modeling
 P.O. Box 488, Sacramento, CA 95812 • 916-607-0435 • cwemf@cwemf.org • cwemf.org

Technical Workshops by Date 1995-2003

Year	Workshop	Date(s)
2003	Integrated Groundwater Surface Water Model (IGSM2) Basic and Advanced Training	Dec 15-19, 2003
	Climate Change and its Impacts on Water Supply and Water Quality in California	Nov 21, 2003
	CALSIM II Operations Model Training	Oct 21-24, 2003
	Analytical Tools for the California Water Plan	Sep 25, 2003
2002	DWR Hydrodynamic and Transport Model Developments	Aug 19, 2003
	Identifying and Managing Uncertainty in Ground and Surface Water Models	Apr 28, 2003
	Integrated Groundwater Surface Water Model (IGSM2) Basic Training	Dec 17-19, 2002
	Fish Bypass Flows for Coastal Watersheds	May 1, 2002
2001	Streamflow and Water Availability Estimates in Ungaged Streams (w/ SWRCB)	Nov 29, 2001
	Optimization of California Water Supplies using the CALVIN Model	Nov 29, 2001
	Implications of Climate Change for the CALFED Restoration Program	Oct 5, 2001
2000	Elements of a Surface-Ground Water Modeling for Conjunctive Management	Oct 18, 2000
	Model Integration	Aug 2000
	Carnegie Water Technical Review	Apr 26, 2000
	Real-Time Hydrodynamics	Feb 4, 2000
1999	Riparian Restoration Projects on the Flood Conveyance Capacity of Stream Channels	Jan 13, 2000
	Operation of Upstream Hydroelectric Projects	Dec 5, 1999
	Delta Simulation Model (DWRDSM) 2D Hydrodynamics Training (4 days)	Jul 12-15, 1999
1998	Modeling Dam Removal: Tools for Decision-makers	Jun 30, 1999
	Temperature Modeling	Oct 22, 1998
	Legal and Technical Issues Related to Surface and Groundwater Interaction (w/GRAC)	May 19, 1998
	Approaches and Problems for Long-Term Regional Water Use Planning	Feb 18, 1998
1997	Modeling X2 (co-sponsored with IEP)	Jan 18, 1998
	Statistical Analysis of Coded-Wire Tag Data	Dec 4, 1997
	Adaptive Management	Nov 11, 1997
1996	Modeling Implementation of the Anadromous Fish Restoration Plan (3 days)	Jul-Sep, 1997
	Water Data Availability and Accuracy	Jul 1997
	Delta Simulation Model (DWRDSM) Hydrodynamics Training (5 days)	Apr 1997
	Development of Modeling Protocols	Mar 21, 1997
	Advances in Hydrodynamic Research in San Francisco Bay	Dec 10, 1996
	Review of Basic Estuarine Hydrodynamics	Dec 9, 1996
	San Joaquin River Agricultural Drainage	Nov 26, 1996
	Modeling the CALFED Bay-Delta Alternatives	Nov 22, 1996
	Water Reliability Economics	Nov 7, 1996
	Habitat Restoration Modeling	Sep 25, 1996
Managing Water Resources in Real-Time	Aug 29, 1996	
1995	Central Valley Groundwater Modeling	Apr 12, 1996
	Biological Models: Current Status and Possibilities	Dec 12, 1995
	Delta Modeling For End Users	Nov 30, 1995
	Drinking Water Quality from the Bay-Delta	Oct 3, 1995
	Statewide Operations Modeling	Sep 21-22, 1995
1994	Toxics and Water Quality Modeling in the Bay-Delta & Upstream Areas	Aug 25, 1995
	Bay-Delta Monitoring	Aug 1, 1995
	Economics Modeling Related to Bay-Delta Management	Jun 21, 1995
	Bay-Delta Standards Agreement	May 23, 1995
	Delta Carnage Water	May 4, 1995