

DATA MANAGEMENT WORKGROUP (DMWG)



An update reported to the California
Water Quality Monitoring Council

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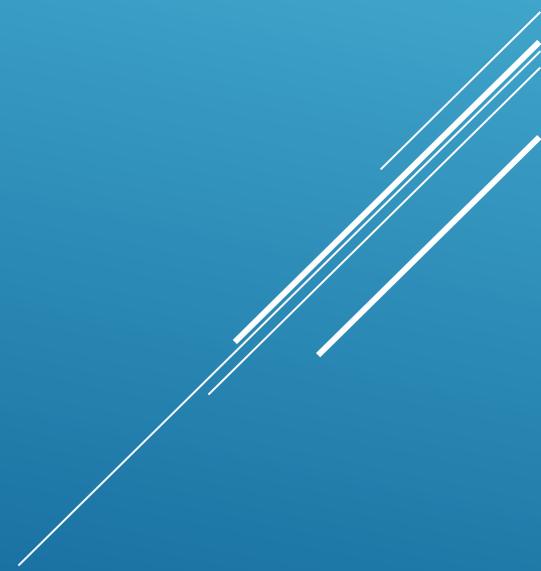
- Provide an update on recent activities
- Solicit input on future plans

PRESENTATION AGENDA



- Serve as a coordinating and information resource for other workgroups
- Advance data and information sharing among resource agencies
- Coordinate information technology-related efforts and opportunities

MISSION FOR THE DMWG



- **Nov 2014** - CWQMC endorses the Vision Document, still in draft form
- **Sept 2015** - “Enhancing the Vision” published
- **Feb 2016** - CWQMC endorses the formation of a steering committee for the Data Management Workgroup (DMWG) to facilitate implementation of the white paper recommendations
- **July 2016** - Solicitation letter sent
- **Sept 2016** - First meeting scheduled

TIMELINE



- Convened three DMWG meetings
- Presented the “vision document” at the DUWG and CEMW
- Drafted solicitation letter
- Selected Steering Committee representatives
- Prepared “Fact Sheets” for the Steering Committee
 - Web services
 - Data Management Plans
 - Data Federation

RECENT ACTIVITIES

Fact Sheet: Data Management Plans
SUMMER | 2016
Contact: Assistant Director Kristopher Jones, PhD
www.nrcwaterquality.ca.gov

Fact Sheet: Web Services
SPRING | 2016
Contact: Assistant Director Kristopher Jones, PhD
E-mail: k.jones@nrcwater.ca.gov
Phone: 916.376.9766
A COLLABORATION BETWEEN THE CALIFORNIA ENVIRONMENTAL PROTECTION AND NATURAL RESOURCES AGENCY AND www.nrcwaterquality.ca.gov

Fact Sheet: Data Federation
FALL | 2015
Contact: Assistant Director Kristopher Jones, PhD
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Enhancing Data Sharing through Web Services
In September 2015, the Delta Stewardship Council's white paper *Enhancing the Vision for Managing California's Environmental Information* offered a broadly shared vision for the advancement of environmental data sharing. Associated with the paper's recommendations are key concepts that we hope to explain further in a series of "fact sheets." These brief documents each address a different mechanism within a broader data-sharing strategy: Data Management Plans, Web Services, and Data Federation (will have links).

We invite you to review each of these fact sheets, recognizing the range of subjects from fairly basic to highly complex and coordinated (Data Federation). Working together, these technologies can help to modernize public data distribution. But a shared understanding of the underlying concepts, and of their respective value, is vital.

What are the benefits of web services?
Benefits associated with providing web services include the ability to:

- Maintain individual business practices
- Perform own QA/QC data procedures
- Respond to data requests more efficiently

Benefits associated with using web services include:

- **Cost savings.** Web services are vendor agnostic, meaning that multiple platforms can connect without complicated and exclusive requirements, and eliminate the need to deploy a server or purchase special infrastructure or systems.
- **Increased efficiencies.** Data are accessible for visualizations and QA/QC data management performed by data stewards.
- **Greater ease of integration.** Web services permit data to be easily consumed by visualization and analytical applications, making dynamic integration easier, feasible, and less labor intensive
- **Non-duplication of data with only one authoritative source.**
- **Improved accessibility to data from separate organizations for policy decisions.**
- **Better transparency of data sources.**
- **Critical stepping stone to highly advanced data integration through data federation.**

How would web services help promote better decision-making?

- Continued to facilitate outreach from organizations with data sharing initiatives. Recent presenters:
 - DWR, Integrated Water Data Management and Tools - Abdul Kahn
 - California Data Collaborative - Patrick Atwater
 - Interagency Ecological Program, Data Utilization Workgroup - Sakura Evans
 - Groundwater Monitoring Program, GeoTracker GAMA - Dorian Bellan

RECENT ACTIVITIES

Constituting a steering committee

- Will provide authoritative guidance on workgroup activities in support of the Vision Document recommendations and related goals
- Will comprise mid- and high-level decision makers within Natural Resources, DWR, DFW, SWRCB, Delta Conservancy, and Delta Stewardship Council
- Will help promote resources for interagency coordination (and communication) regarding new and ongoing technology initiatives
- Will ensure consistent and broadly representative meeting attendance and initiative support

UPCOMING PLANS

Questions?

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THANK YOU

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