



CEDEN

CALIFORNIA ENVIRONMENTAL DATA EXCHANGE NETWORK



California Environmental Data Exchange Network Update

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Presented to SCCWRP Commission
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Background

- The State Board relies on ambient water quality data to make decisions
- These data come from many sources in many forms, making them hard to access
- CEDEN was established as a means for collecting and making these data available

The Problem

- The State took a “Field of Dreams” approach to building the system
 - Build it and they will come...
 - They weren't coming
- Asked SCCWRP for assistance in managing the project and to hire a project manager

Keys to Success

- We identified a client for the program
- Learned about and addressed their needs
- Built out the infrastructure to support them
- Got data into the system that serves their needs

The Client Is Key

- Provides a focus for our technical activities
- Gives an incentive to data providers knowing data will be used
- Our client is State Board staff responsible for the 303(d) list
 - Our measure of success is their identifying CEDEN as the definition of readily available data

Building Data Structure

- Underlying database structure was not too far off
- Focused on improvements specific to the client
 - Developed minimum data requirements
 - Added some additional data constituents and types
 - Developed data submission templates

Getting the Data

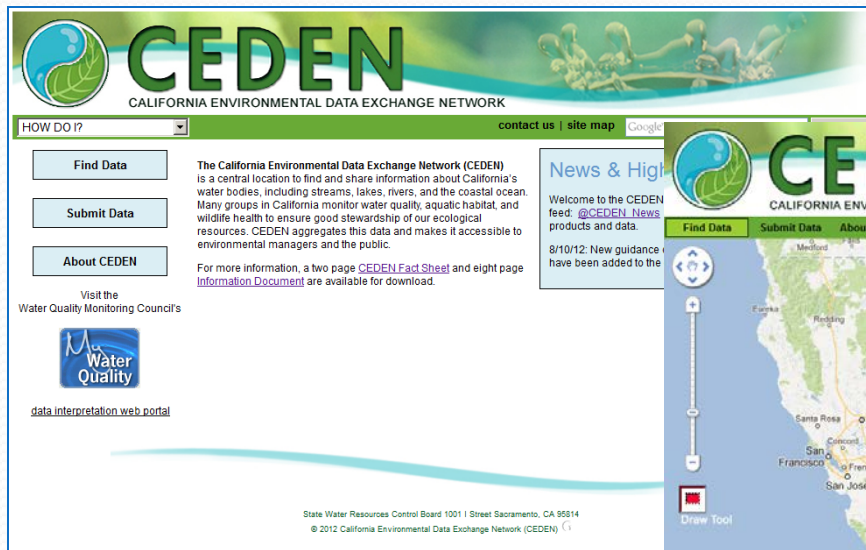
- Our client provided us with a list of ~100 high priority data providers
- We agreed that success was getting 80% of them into CEDEN
- We also agreed to incorporate data from 50 new providers
- We achieved this

How We Achieved This

- We established Regional Data Centers to work with providers across the State
- Leveraged organizations with experience in monitoring and connected to data providers
- Data centers worked collaboratively to bring data into CEDEN

Data Output

- Once data was in, we had a mechanism to get it out via the web site



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Future Vision

- CEDEN output allows access to raw data
- Additional capabilities will enhance CEDEN's value:
 - Implement tools to compute indices
 - Geographic data searches (by region, watershed)
 - Develop data quality filters

Our Ultimate Goal

- Provide transparency to view data in the same manner that the State Board does
 - Provides consistency statewide
 - Save time
 - Improve the dialogue



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Questions?

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