

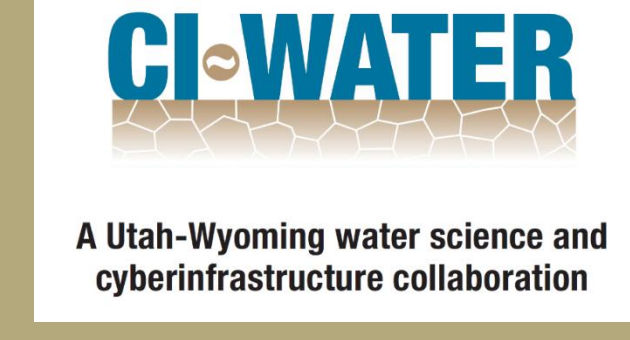
WaM-DaM: A Data Model to Synthesize and Organize Water Management Data

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Contributions

- Propose a Water Management Data Model (WaM-DaM) to organize and synthesize network-based water management data
- Organize multiple data formats like time series, text, multi-column, and parameters from different sources
- Overcome semantic and syntactic heterogeneity in water management data
- Foster integrated analysis and understandings of water systems

Prior Approaches

#	Feature	HEC-DSS	Arc Hydro	ODM	Hydro Platform	WEAP	WaM-DaM
1	Generic, relational, and open source environment			x			x
2	Create dynamic networks	x	x		x	x	x
3	Uses controlled vocabulary	x	x	x		x	x
4	Enforces descriptive and explicit metadata			x			x
5	Supports multiple data types like time series, tabular, text, and parameters	x	x		x	x	x

Further Work

- Populate models and automate the ability to discover, transform, and publish data
- How can WaM-DaM organize and serve your water management model data?
- Your suggestions and feedback?

