


Enabling Environmental Data Exchange – EPA's Exchange Network

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What is the Exchange Network?

- ▶ Collaboration between EPA, States, and Tribes to develop standard approaches for sharing environmental information
 - Provides standard communication protocols and data standards to define how data can be shared
 - Meant to be a computer-to-computer way of exchanging data
 - Historically, it has typically been for state-to-EPA exchanges (i.e. water quality monitoring data, water permit data, RCRA hazardous waste data)

Where are data exchanges going?

- ▶ The Exchange Network is moving toward a ‘publishing’ model very similar to the way WaDE is designed
 - ▶ EPA is embracing a new vision on information called ‘E-Enterprise’ to streamline reporting, reduce burden, and provide more transparency on environmental information
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Relevance to WaDE

- ▶ WaDE is partially funded through an Exchange Network Grant from EPA
 - ▶ WaDE has always envisioned incorporating other federal data (i.e. stream gaging, snow water equivalent, reservoir height, etc.)
 - ▶ There's an opportunity to begin that discussion of how to enable a national data sharing network for sensor data
 - ▶ Exchange Network publishing and E-Enterprise concepts are a great fit for some of this future thinking on data sharing
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