

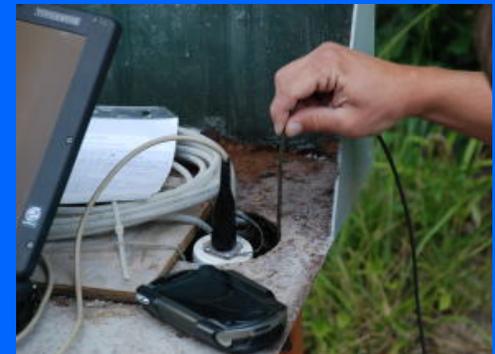
Advisory Committee on Water Information Subcommittee on Ground Water Data Standards & Data Mgt Work Group

Co-chairs

Chuck Job – US Environmental Protection Agency
Scott Andres – Delaware Geological Survey



**Presented at the
NWQMC Meeting
May 21, 2008**

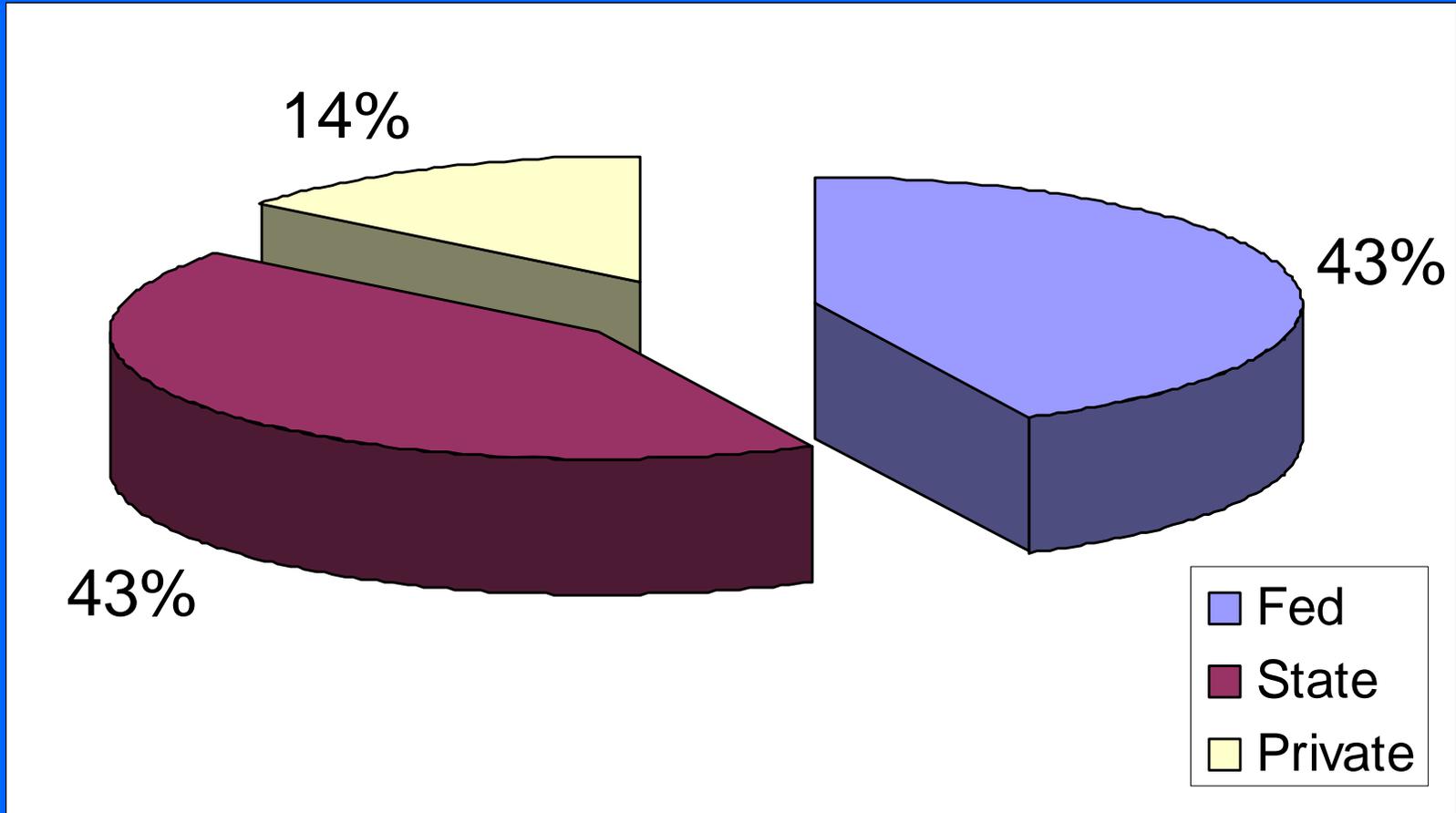


Data Standards & Data Management Work Group Charge

Goal - Recommend methods to archive and access ground water data on a national scale

- Review related products and activities
- Address consistency and redundancy in data management
- Identify data retrieval approaches

DSDM Work Group Membership*



*As of 04/30/08

Major Data Models and Standards

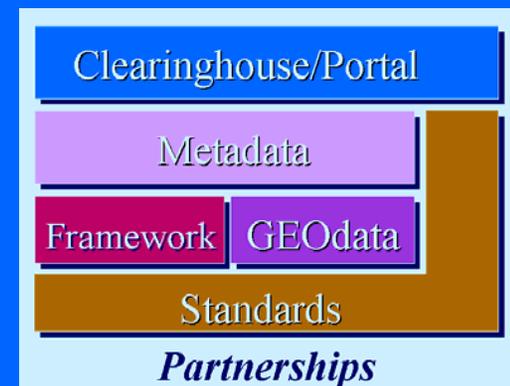
- Primarily Water Level and Quality Data

- USGS's NWIS
- USEPA's WQX
- EDSC's approved data standards
- ASTM standards D 5409 & D 5410



- Primarily Locational Data

- FGDC NSDI
- ASTM standards D 5254 & D 5408
- ISO Standard 19139



DSDM Work Group Status

- Final draft being edited for assimilation into SOGW report
- “Absolute” minimal list of required data elements being finalized – (between 60 and 75)
- Elements fit into site, construction, collection, and analyses categories
- See us on Tue evening for a list of these elements

DSDM Work Group Draft Recommendations (I)

- Multiple data models and sources are the norm – do not create a “master db”
- Multiple standards are largely compatible
- Use translation tools and portals to assemble data from multiple sources
- Pare down the list of required data elements

Data networks and Portal concept

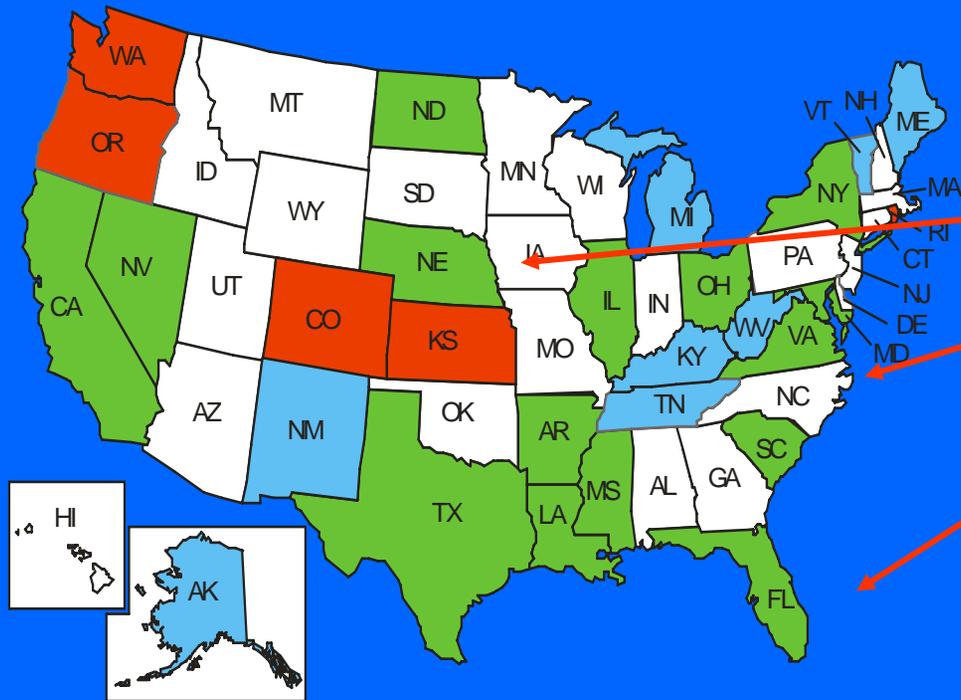


USER REQUESTS



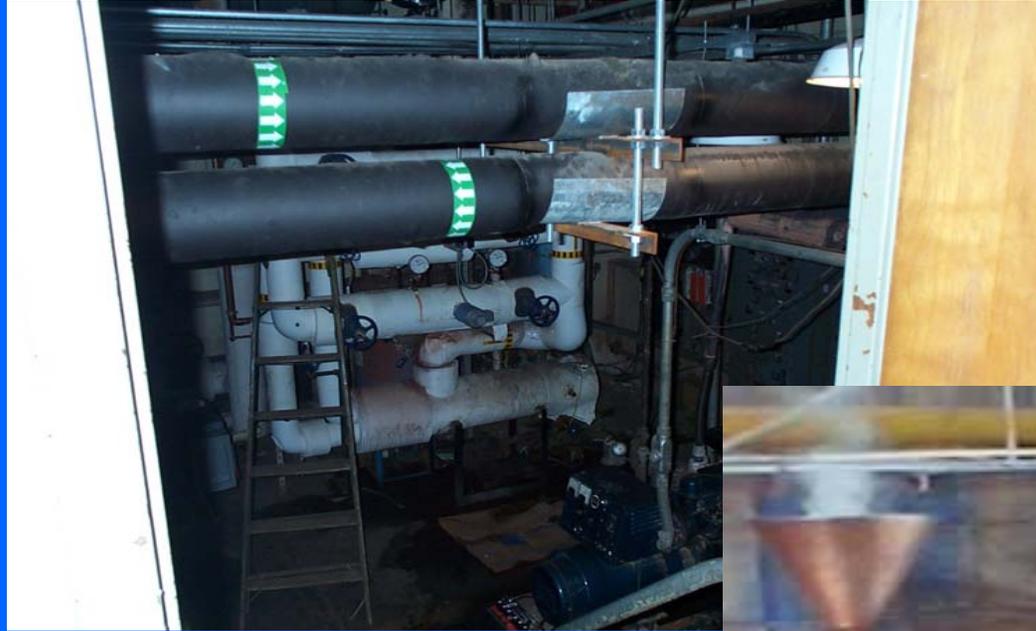
DATA

Figure Q2 Ground water level networks



22	Statewide only (State + US Geological Survey)	15	Statewide + regional	5	Regional only	8	No network
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Move the Data!



DSDM Work Group Draft Recommendations (II)

- Databases can refer to nationally accepted SOPs to define and describe sampling and analytical methods and data management protocols
- Trust the data providers to do their jobs correctly



DSDM Work Group

Data issues needing resolution

- Multiple classifications of hydrostratigraphy
 - AAPG/NACSN “Code of stratigraphy”
- Develop workable procedures for USGS to use data from outside providers
 - Funding and administrative issue

Next Steps:

- May 2008 – Receive feedback at Monitoring Conference – evening session
PLEASE ATTEND
- Summer – Review and comment on SOGW draft report
- Fall – Request ACWI approval of draft recommendations
- Changes in DC may dictate future efforts