

Water Quality Portal

Panel: National Water Quality Portals- do we need more than one?

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Background

2003 USGS-EPA

Memorandum of Understanding

“Working with the National Water Quality Monitoring Council (NWQMC), [USGS and EPA] will develop a geospatial internet based query tool. This tool should be designed to facilitate the greatest possible sharing of data from all sources to all users...”

Background

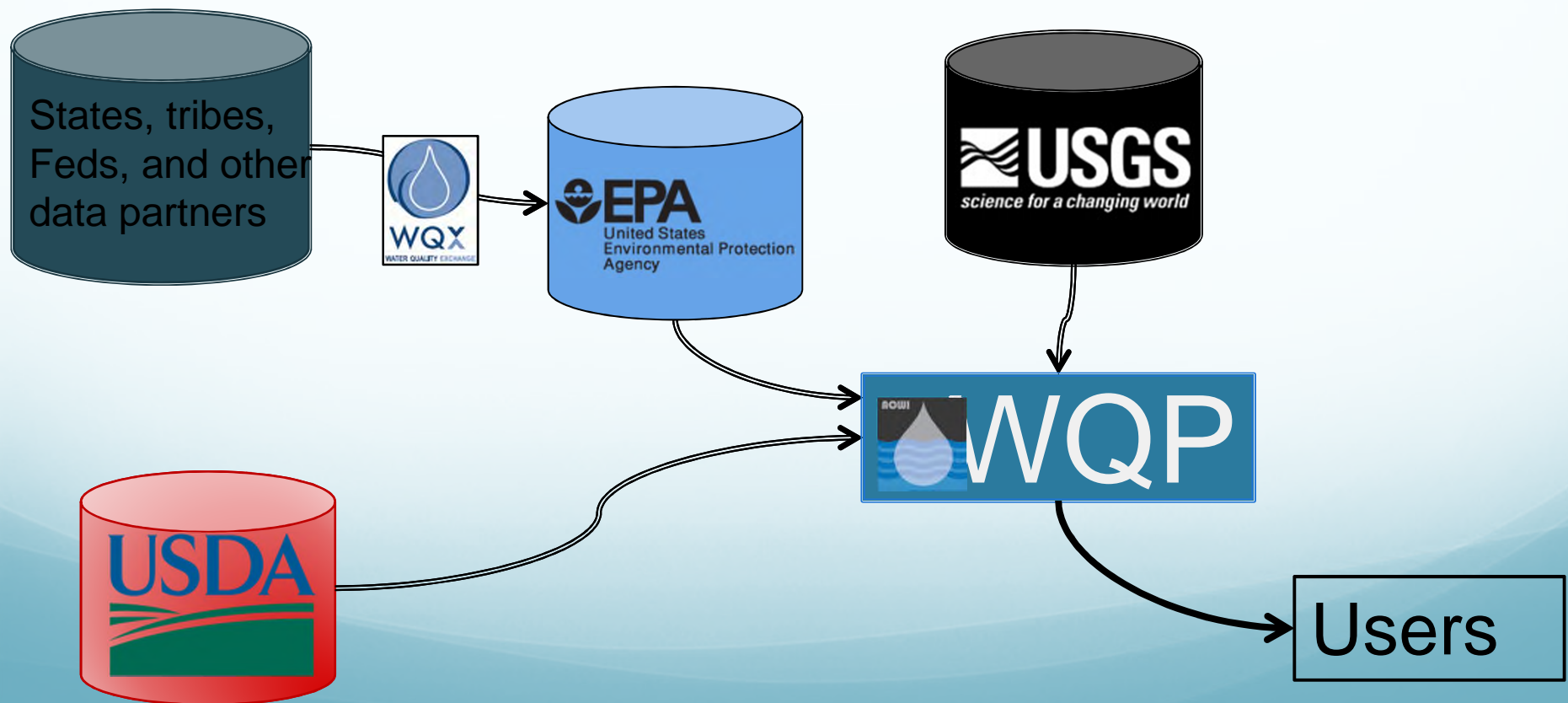
- Started with “Mini Portals”
- WQP Launched at 2012 NWQMC
 - STORET and NWIS
- USDA Agricultural Research service added in February 2014

Background

- Over 200 million samples
- 2 million sites
- Can download directly
 - Can stream entire dataset if you so desire
- Web services
 - Allow for mash-up with other datasets
 - Support other applications and tools

Interagency cooperation

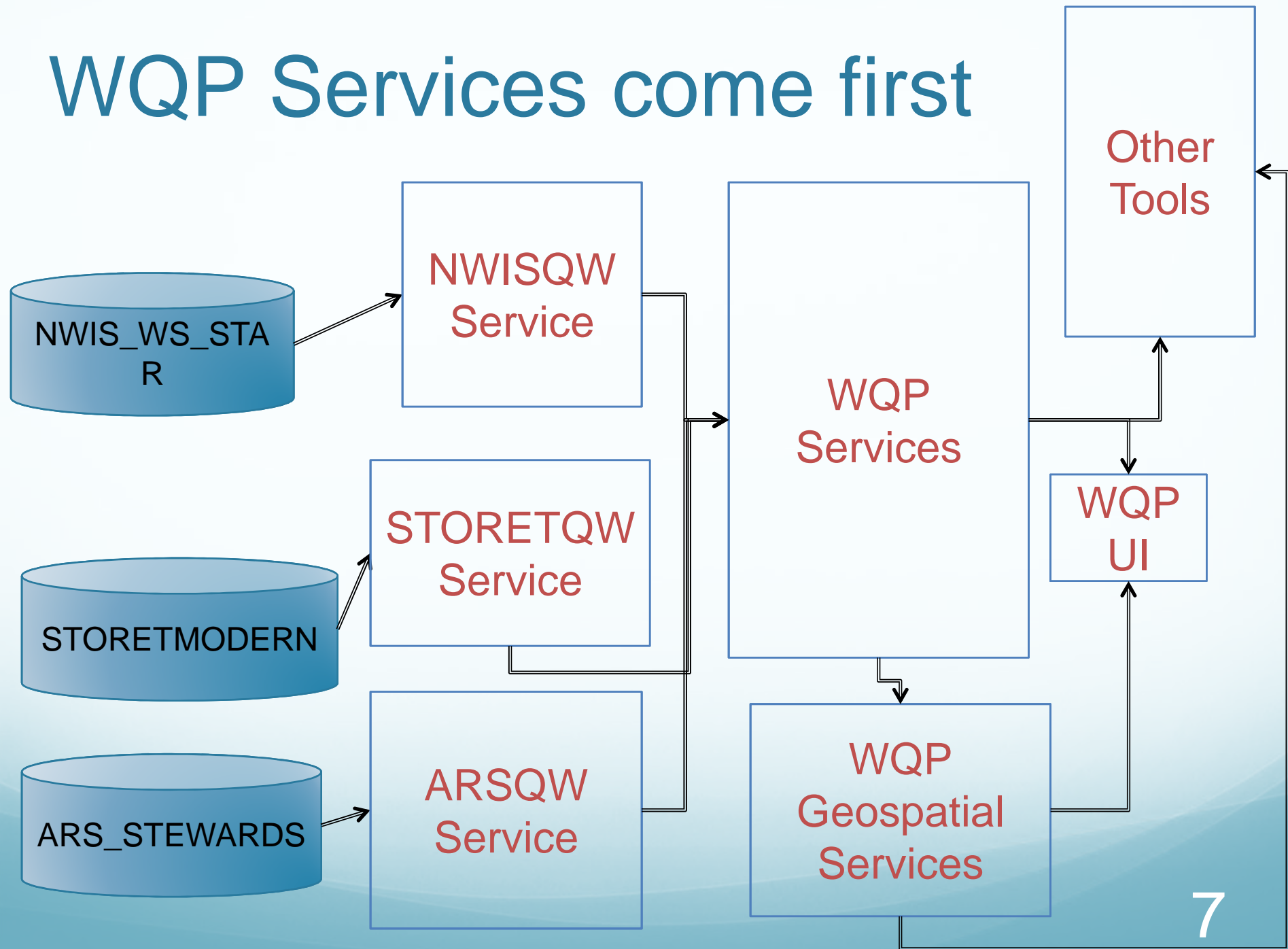
The WQP integrates publicly available water-quality data from the USGS National Water Information System (**NWIS**), the EPA STORage and RETrieval (**STORET**) Data Warehouse and the USDA Agricultural Research Service STEWARDS Database (**STEWARDS**).



WQP is a Big Tent



WQP Services come first



Future

- Improved services
 - OGC Mapping services
 - True REST services for data consumption
 - Services to serve sensor data
- More integration with other tools
 - Extend NEMI integration
 - National Reference watersheds
 - NWIS
- Reporting and discoverability