

AQS Outputs – Getting and Understanding the Data

AQS Users Conference 2008

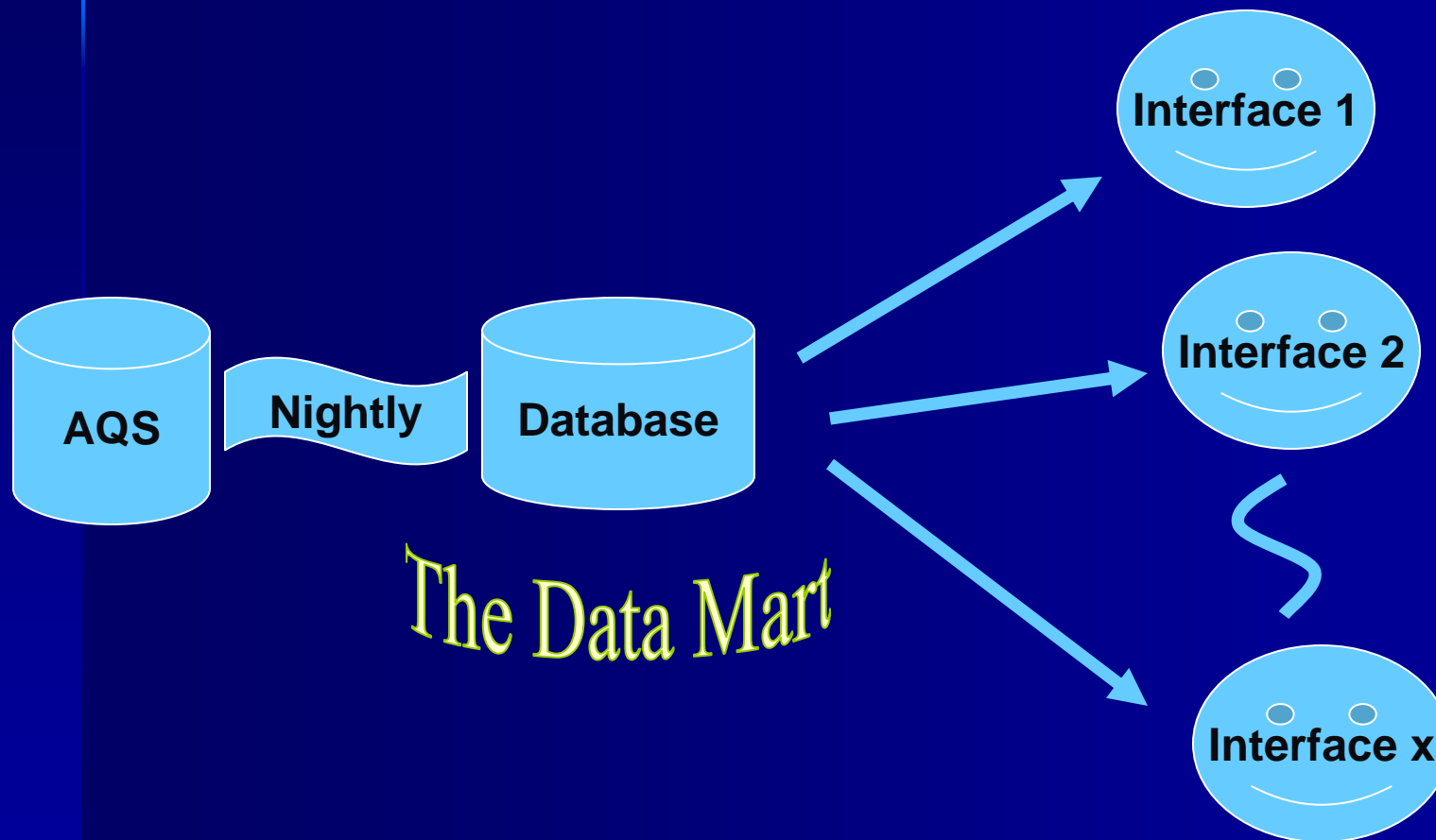
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US EPA / OAR / OAQPS

AQS Data Mart – what is it?

- It's a database with all the data (since 1980) from AQS in it
 - Copied from AQS to keep AQS fast for loading
 - 1.72 Billion raw and NAAQS average values (as of 7/21/08)
 - Commensurate daily and annual summaries
- Targeted for application builders and health researchers
- It's on the "public" side of the EPA firewall
 - To keep AQS safe
- It allows for applications to be connected to it
 - Like Google Earth!

Conceptual Diagram



Connected Applications

- AQS Data Mart Direct Interface (750/mo)
- AirCompare (8,000/mo)
- KML Files (1,800 in first 3 weeks - of KML)
- RSIG (can't yet track)
- EPHT (EPA → CDC project) (can't yet track)
- AirNow + VIEWS exchange (in progress)*
- AirExplorer (planned)
- Exchange Network (planned)

*Air Quality Data Summit

- Meeting held in RTP in February
- Be smarter and more efficient with data systems
- Representatives from various communities and data systems
 - Regulatory AQ, AQ forecasting, model evaluation, trends, health research, satellite based instruments, data collectors, data integrators, data users
- Follow up projects focused on sharing, integrating, and explaining data
- AQS (Data Mart) + AirNow + VIEWS pilot

Tools to Help with Understanding Data

■ The "Field Guide"

- Available at the Data Mart website
- Documentation Section
- <http://www.epa.gov/ttn/airs/aqsdatamart/documentation>
- 2200+ entries
- Pretty dry and some areas need improvement
- ~ 25 downloads per month this year

■ A wiki may be in the works

- Wiki = user edited content
- Does this worry you?