Air Data Systems Assessment &
Draft OAQPS Data Systems Strategy

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Air Data Systems Assessment

- Completed Nov 2008 (Ross & Associates)

- Systems Assessed
  - AirNow, AirQuest, AQS & AQS DataMart, CASTNet EIS, RSIG, VIEWS, DataFed, GIOVANNI, HEI

- Based on
  - Sustainability, Interoperability, Uniqueness, Governance

- General Findings
  - Not too many systems - existing systems are operating independently without a common vision
  - Basic, technical infrastructure is being implemented already, but with limited coordination

- Assessment Recommendations for OAQPS
  - Fundamental responsibilities as a data provider
  - Formal partnership with the AQ data community
  - Strategy for OAQPS
  - OAQPS Data Coordinator role
Draft OAQPS Data Systems Strategy

- Establish how OAQPS will make decisions about data systems and processes
- Identify and summarize the primary needs of OAQPS and its stakeholders
- Map out existing data systems
- Identify and prioritize actions to align systems to meet needs efficiently
Data Governance Framework

- Guiding Principles
  - What we value, base decisions on
  - All revolve around quality, efficiency, consistency

- Governance Body
  - How we make decisions

- Communication Plan
  - How we work with stakeholders

- Performance Measures
  - How we assess what’s working well
Needs Assessment

- Data & Product Needs Inventory
- Case Studies
  - National Air Toxics Assessment
  - Regulatory Impact Analysis
  - Risk and Exposure Analysis
  - Episode Analysis
  - Sector Analysis
Priority Activities for Better Aligning Systems

- Make AQS and AirNow share data in a more automated fashion
- Get CASTNet data into AQS
- Develop a consistent, accessible, updated repository of meteorological data
- Merge AirData and AirExplorer into one tool geared towards external (public) data access
- Other products (e.g. KML, netCDF output) related to needs assessment
Next Steps

- Briefing OAQPS managers
- Finalize strategy by July 15
- Share with stakeholders

Pending approval
- Establish Data Governance Council
- Develop communication plan & performance measures
- Help facilitate/champion recommended activities