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