

ARII

Air Research Information Infrastructure

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What ARII Will Do

- Streamline data access and analysis for TexAQS II data.
- Provide links to emissions data, observations, model predictions, and trajectory tools.
- Provide an easy, non-GIS graphical interface based on Google Maps and Google Earth tools.
- Use Data Warehousing/On-line Analytical Processing (OLAP) tools for archiving, merging, and organizing data.
- Use data mining algorithms for analyses.

Audiences

■ Research Scientists and Regulators

- Current interface originally built by Perry Samson of U. of Michigan for a national website.
- Intended to facilitate a VOC source attribution study funded by the USEPA through UH.

■ General Public

- Alternative implementation developed by Nimbatech.
- Intended to be browser independent.
- More intuitive and attractive interface with a tour guide for average citizens.

Database Content

- ARII database currently captures information for 2006 from:
 - Continuous ambient monitoring stations (CAMS)
 - Auto-GC monitoring sites
 - TCEQ emission events database
 - TCEQ 2006 Special Point Source Emission Inventory
 - Trajectory data from U. of Houston