

# UIC/ADC Air Quality Scenario Workshop Report to User Interface Committee

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Gary Foley (UIC)

Jay Pearlman (UIC and ADC)

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Rudolf Husar (UIC and ADC)

David McCabe (AAAS)



# Agenda AM

- 9:00 Welcome and Introduction - Ellsworth LeDrew
- 9:15 Overview by UIC - Gary Foley and Ellsworth LeDrew
- 9:45 Overview by ADC - Jay Pearlman and Hans-Peter Plag
- 10:15 Break
- 10:45 Scenario Introduction - Rudolf Husar: Users, Applications and the Community of Practice for the Air Quality Scenario.
- 11:25 Development of 'working groups' - David McCabe: The GEOSS AIP Air Quality Scenario
- 12:00 Lunch



# Agenda: PM

- 13:00 'working group' interaction
- 15:00 Interval assessment - Gary Foley Chair
- 15:30 break
- 16:00 Re-engage 'working groups'
- 17:00 Plenary Assessment - Ellsworth LeDrew Chair
- 18:00 End



# Resources

- [http://wiki.esipfed.org/index.php/GEOSS\\_AIP\\_AQ\\_Scenario](http://wiki.esipfed.org/index.php/GEOSS_AIP_AQ_Scenario)
- Rudolf B. Husar, (rhusar@me.wustl.edu)
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# Objectives

- Determine User Requirements for one of the GEO Societal Benefit Areas
- Evaluate the Structure of the GEOSS Information Infrastructure to provide these data in operational environment
- Users range from data collectors, to modelers, to synthesis analysts, to policy makers.
- Create and enter one or more best practices into the GEO Best Practices Wiki
- Assess this workshop concept as a model for future workshops on other SBAs or components of SBAs.



# Concept

- Overview of one aspect of an SBA – Air Quality (one theme of an upcoming Call for Participation for ADC/UIC activity and theme of two additional workshops in 2008 in Boston and Beijing)
- Break individual groups into roles according to skill sets
- Have the following as roles in the process (as suggestions)
  - Data collection analysis, quality control
  - Modeller
  - Scenario Builder
  - Policy analyst
  - National/local political decision maker
  - International political decision maker
  - Citizen affected by process



# Concept (con't)

- Each role
  - identifies what data is required at that level
  - Determines how data should be packaged by GEO
  - Determines what is the customer base, what is the 'chain of information'
- Includes data type, format, unit conversion, time resolution, quality control process, required fields, optional fields (Hans-Peter Plag: GEOSS User Needs and System Performance Utility: Functional Specifications and Database Structure)



# Concept (con't)

- Team works through possible decision process to determine whether, if GEO provided the information, the system will work as required.
- Product will be entries in tables and a narrative of processes
- A product would be a list of best practices, one or more of which will be entered into the GEO Best Practice Wiki ([wiki.ieee-earth.org](http://wiki.ieee-earth.org)) .



# Results

- Thirteen participants
- Excellent participation and discussion
- Agreement that this is a good model for future analysis
- Feedback to process of developing Call for Participation for the Air Quality Scenario on behalf of ADC/UIC
- Rudi Husar and Hans-Peter Plag will work on a new design of the tables that will reflect developments in thinking as a result of yesterday's breakout sessions.