Introduction to Session 831

Particulate Matter Research, Science Policy, & Evaluation for Air Quality Decisions

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American Evaluation Association
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• Electronic copy of session presentations
  ▪ [http://www.wren-network.net/resources.htm](http://www.wren-network.net/resources.htm)
  ▪ Available ~January 2008
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Key Questions

• Why is it important to forge strong links between research, science policy, decision-making, and evaluation for federal research programs?

  ▪ What program design, implementation, and evaluation concepts are illustrated here?
Response to Key Questions
Session Presentations & Discussion

- Particulate Matter Research, Science Policy, & Evaluation for Air Quality Decisions
  - Research, Science Policy, & Evaluation
  - Paradigm for Federal Research on Particulate Matter
  - Assessing Research Progress
  - Example Frameworks for Review of Research Progress
  - Example Application:
    - The Use of Research and Science to Estimate Human Health and Environmental Benefits
Response to Key Questions
Illustrated by Session Presentations

Why is it important to forge strong links between research, science policy, decision-making, and evaluation for federal research programs?

Federal research programs, science policy, decision-making, and evaluation benefit from a systematic and iterative process.

Demonstrating research progress and measuring public health impact depend on forging these critical links.
Response to Questions
Illustrated by Session Presentations

What program planning, implementation, and evaluation concepts are illustrated and applied here?

1. Development & application of explicit scientific theory about research program contributions to decisions & outcomes

2. Development & application of theory about how program organization & implementation contribute to new knowledge, applications, decisions, and outcomes

3. Development & application of evaluation approaches (frameworks) for independent expert panels
   - Essential to help respond to federal legislation
   - Best practice for evaluating federal research programs
How are these program planning, implementation, and evaluation concepts described in recent publications?

1. Development & application of explicit scientific theory about program contributions to decisions & outcomes and
2. Development & application of theory about how program organization & implementation contribute to new knowledge, applications, decisions, and outcomes

Examples of discussion in recent publications:

How are these program planning, implementation, and evaluation concepts described in recent publications?

3. Development & application of evaluation approaches (frameworks) for independent expert panels

- Examples of discussion in recent publications:


