Panel Discussion on Air Quality and Associated Health Effects

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Framework for Protecting Public Health and the Environment

Is mitigation necessary?

EPA Policy/Regulation

Risk Assessment (Receptor Impact)

Source

Environmental Concentration/Condition

Compliance Monitoring

Risk Management (Stressor/Exposure Reduction)

Stressor

Exposure

Outcome

Dose

How best to mitigate?

Was mitigation successful?
Science Questions

- Is exposure different from ambient concentrations?
- What are the key drivers influencing exposure?
- How can these key drivers be integrated into air quality models?
- How do we design integrated air quality-exposure modeling systems that are practical to use in the regulatory context?
- How do we demonstrate the impact of regulations on human health within the framework of accountability?
- What are the research gaps along the source to outcome continuum?