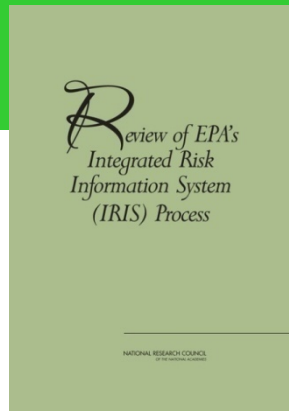# IRIS Workshop on the NRC Recommendations

Session 3b

Advancing Dose-Response Analysis:

Uncertainty Analysis

For users of IRIS assessments:

- How do you use estimates of uncertainty and variability?
- What information would be most useful in your decisions?

For analysts:

- What practical approaches would meet these user needs?
- How to derive appropriate and defensible confidence bounds?

Session 3b: Advancing Dose-Response Analysis: Uncertainty Analysis

- (For users of IRIS assessments) How are estimates of uncertainty and variability used? What dose-response information would be most useful in subsequent risk assessment and risk management decisions?

- (For analysts) What are some practical approaches for characterizing uncertainty and variability, separately or jointly, taking into consideration the degree of sophistication needed based on the level of concern for the problem and the feasibility of conducting the analysis?

- How can bounds (lower bounds for reference values and upper bounds for cancer slope factors) be derived that reflect scientific uncertainty and population variability without being overly conservative?