Defining Assessment Factors (e.g., exclusion/inclusion criteria)



Science Policy Council



"[Assessment factors] can also be used as part of a broader evaluation of a body of evidence that is collectively evaluated through a process typically referred to as a weight-of-evidence approach."

"When EPA considers using information for a particular purpose, careful judgment is applied to evaluate the information for quality and relevance in the context of the specific Agency action being developed."

Tier 1: applicability and utility

- Did the study evaluate effects of the chemical of interest or its metabolites known to be formed in humans?
- 2. Did the study evaluate effects in the tissue (organ) of interest or cells derived from this tissue?
- 3. Did the study evaluate cellular, biochemical or molecular effects relevant to the mechanism under consideration?
- 4. Did the study include information sufficient to determine what species were studied?
- 5. Does the publication include original data?

Tier 2: clarity, completeness, soundness

- 6. Did the study employ dose-/concentrationresponse design?
- 7. Does the study contain sufficient number of replicates within each experimental group to evaluate significance of the effect?
- 8. Does the study report variability within each experimental group/condition?
- 9. To what extent the study clearly and completely describes both the experimental details and results?