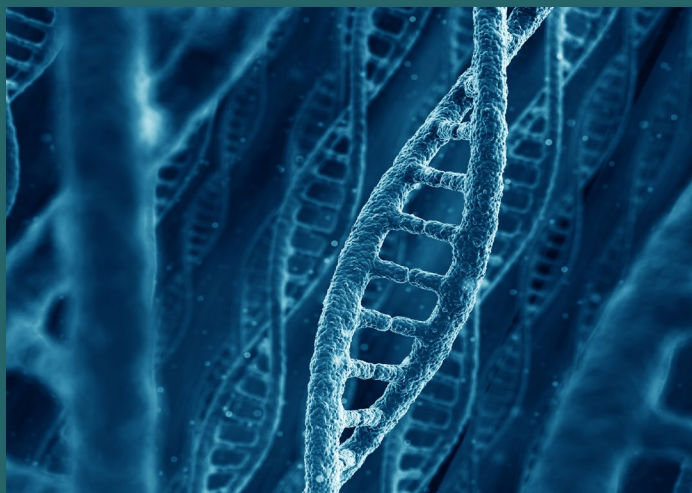


Summary and Conclusions

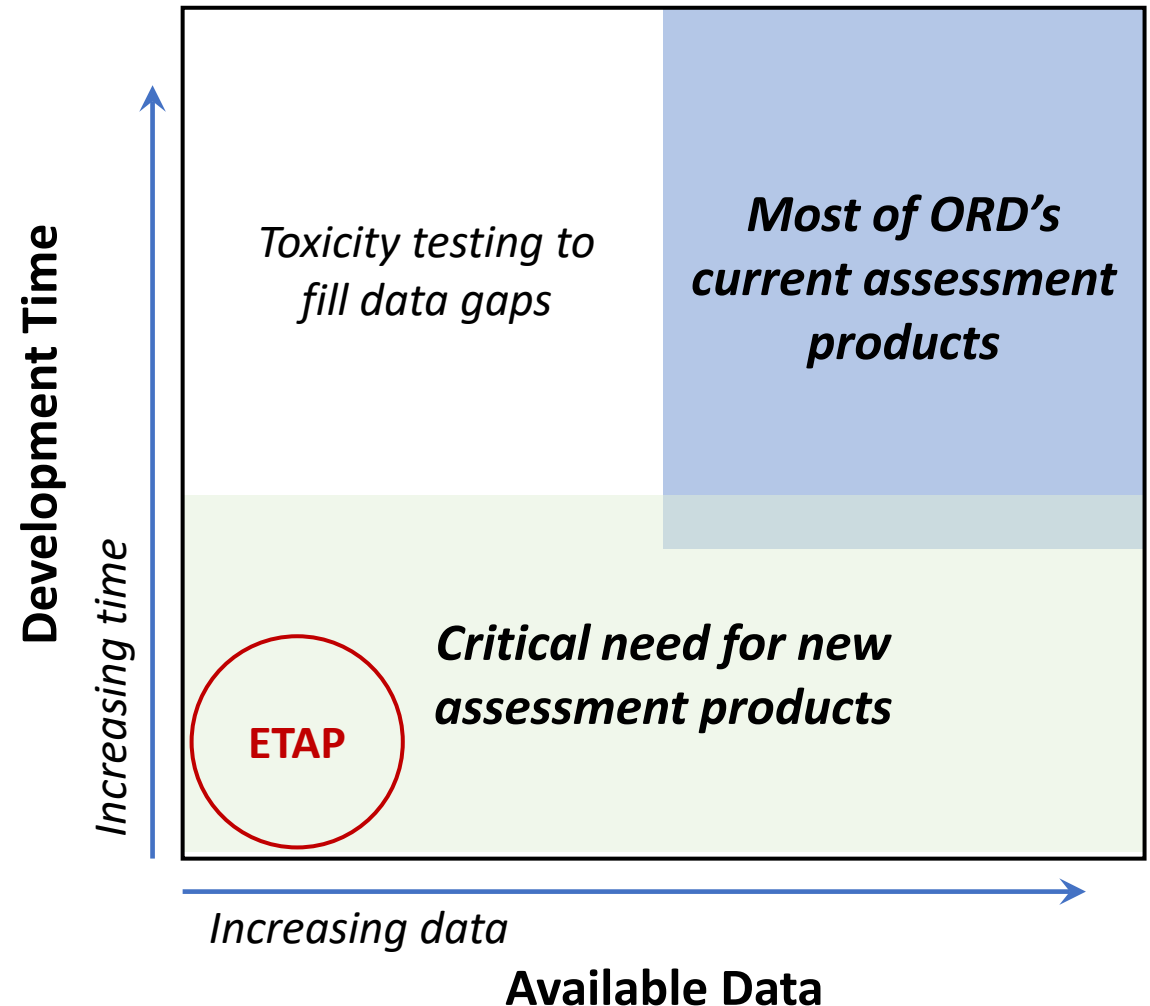
Alison Harrill, Ph.D. – Associate Director for Toxicology



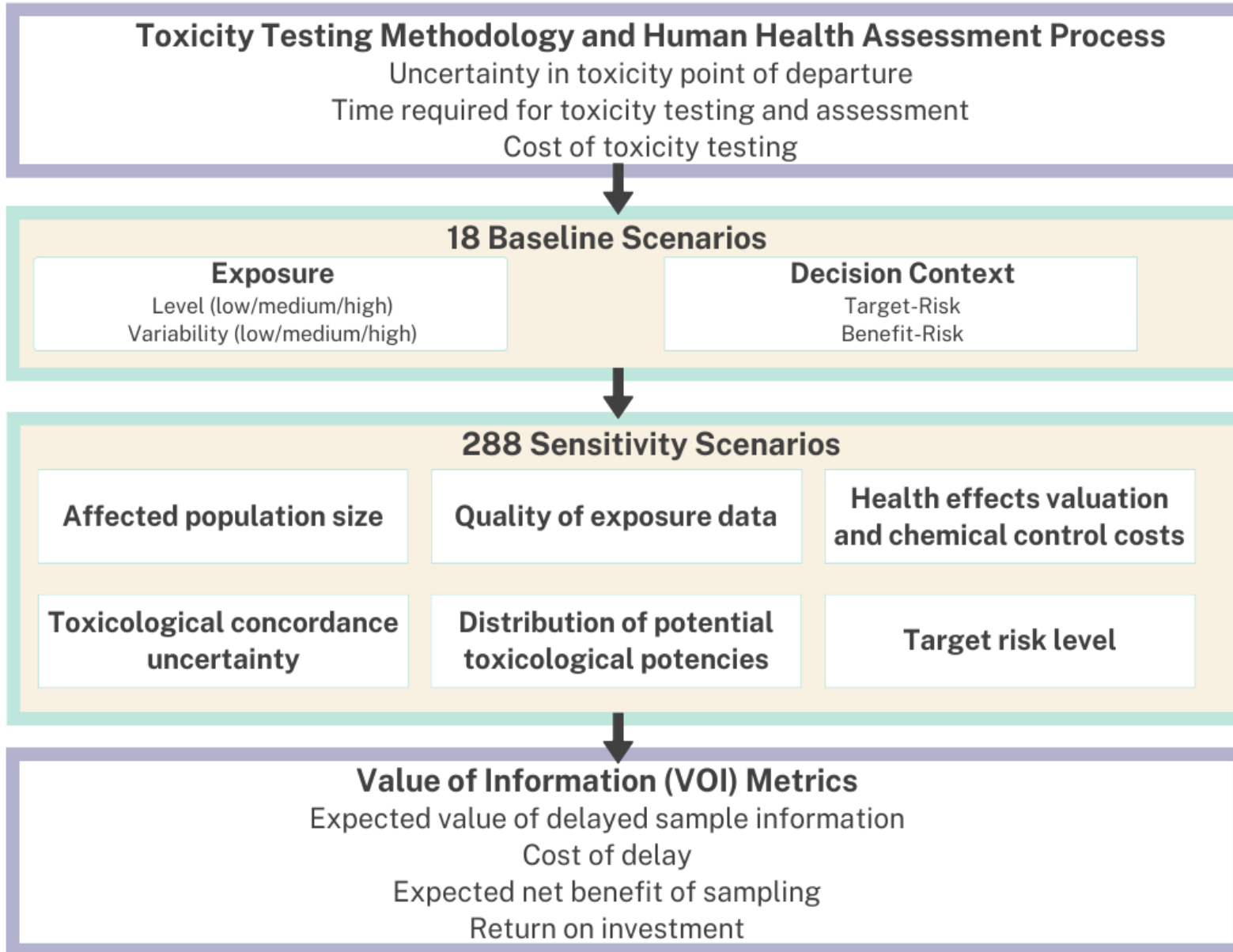
The views expressed in this presentation are those of the presenter and do not necessarily reflect the views or policies of the U.S. EPA

VOI Case Study on ETAP

- The VOI case study provided an opportunity to
 - Evaluate the value of a new human health assessment product, and
 - Evaluate the utility of the VOI framework
- Using the VOI framework, ORD was able to contextualize a new testing and assessment paradigm by evaluating trade-offs in timeliness, uncertainty reduction, and costs associated with the new processes



Case Study Summary



VOI analysis demonstrated that - under the exposure scenarios and assumptions considered - **the ETAP is the most frequently preferred approach** to evaluating data-poor chemicals with no existing toxicity or human health data.

The case study results emphasized the importance of ***timely decision making***.

Future Directions



<https://www.epa.gov/bosc/voi-july-25-26-2023-meeting>

- Applied to a significant number of chemicals lacking toxicity testing and human health assessments, the results of the case study indicate public health benefits of conducting ETAP would become multiplicative as more chemicals are evaluated
- Application of the framework to other case studies and decision contexts should further build confidence in the utility and approach of VOI
 - Valuing the determination of low-risk scenarios
 - Including more decision-making contexts, such as chemical substitutions, tiered testing approaches
 - Evaluating emerging exposure assessment methods

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