Applied Risk Management Specialty Group

Making the expertise of the SRA community more accessible and usable to real-world practitioners

Willy Røed
Chair of Applied Risk Management Specialty Group

Concepts/ **Ecological Risk** Assessment Tools Dose Response **Engineering** and Infrastructure Exposure Assessment Occupational Health Applied Risk and Safety **Decision Analysis** and Risk Management Risk Policy and Law Foundational Issues in Risk Analysis Specialty Security and Defense **Economics** and Group **Benefit Analysis** Advanced Materials and Technologies **Risk Communication** Risk and Development Resilience Analysis Microbial Risk **Analysis Applications**

Example – Work in Progress: Analysis Quality Tests

Tests that can be used to evaluate the quality of risk analyses

Section A - Framing the Analysis and Decision Making

- 1. Clarity of the goal of the analysis.
 - a. Is the goal of the analysis clear and clearly announced?
 - b. Is the risk/cost of falling short of that goal described?
- 2. Are the decisions to be supported by this risk analysis clearly identified?
 - a. For example, to ensure a safe design; to determine acceptable design
- Is the risk analysis positioned appropriately in the organization chart of the client?
 Points in the organization chart may range from tactical to strategic, from risk management to management to enterprise management, etc.
 - a. E.g., does the risk analysis deliver results to points in that chart (perhaps several points), such that for each point, it has the appropriate funding, timing and credibility?
- 4. Embedding in the Decision Process
 - a. Is the risk analysis fully and effectively engaged with the risk management decision makers?
 - b. Does the risk analysis timeline support specific points in decision making?
- 5. Decision Maker Focus
 - a. Does the risk analysis give decision maker(s) risk information customized to their perspectives?
 - i. i.e., Is the analysis shaped to the risk manager's ability to address the risk?
 - b. Does the risk analysis support the decision maker(s) to:
 - i. Understand the limitations of the analyses, and the implications of those limitations for their decisions?
 - ii. Make tradeoffs against "Other Decision Factors?
 - iii Address sub-ontimalities in the risk management processes?

The Analysis Quality Test Document

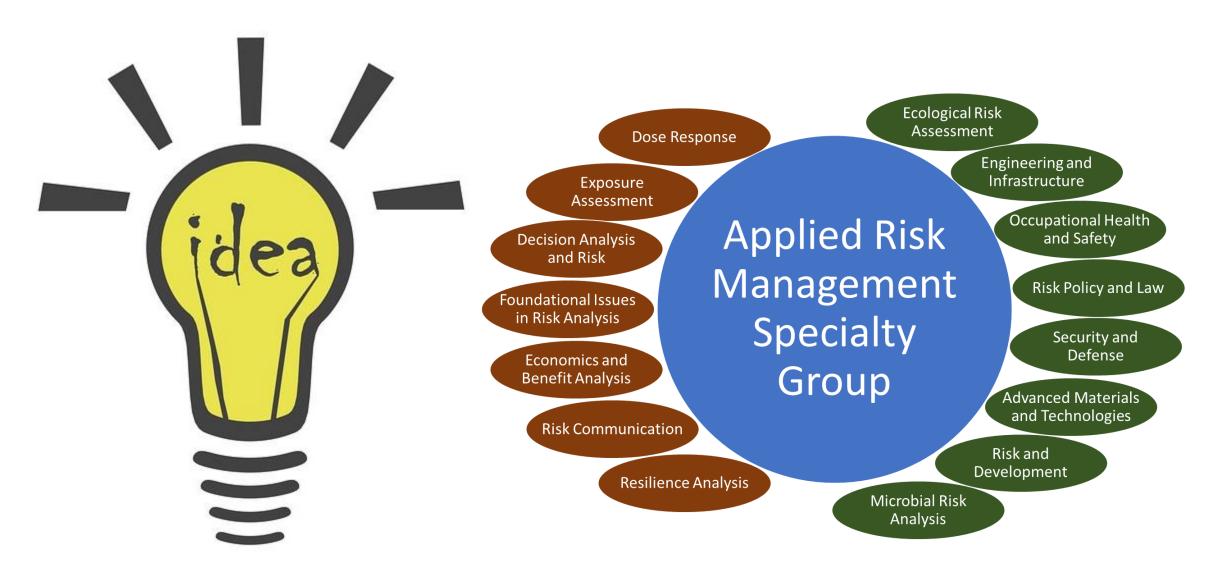
GeneralAnalysis Quality Tests

14 sections

Domain Specific
Analysis Quality Tests

One section for each domain

Abstract Submission: SRA Annual Meeting 2019



Webinar September 4th 2019

Interactive webinar related to our ongoing activities

Questions or comments?

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- Past Chair: John Lathrop
- Secretary: Patricia Larkin
- Advisors: Steve Ackerlund, Ronald Dyer and Rob Waller