

Center for Advancing Microbial Risk Assessment



Co Directors

- Joan B. Rose, MSU (lead)
- Charles N. Haas, Drexel

Key Missions

- to develop of models, tools and information that will be used in a credible risk assessment framework to reduce or eliminate health impacts from deliberate use of biological agents of concern in the indoor and outdoor environment.
- to build a national network for microbial risk knowledge management, learning and transfer, for the community of scientists, and students via educational programs and community of professionals in the field and in our communities.



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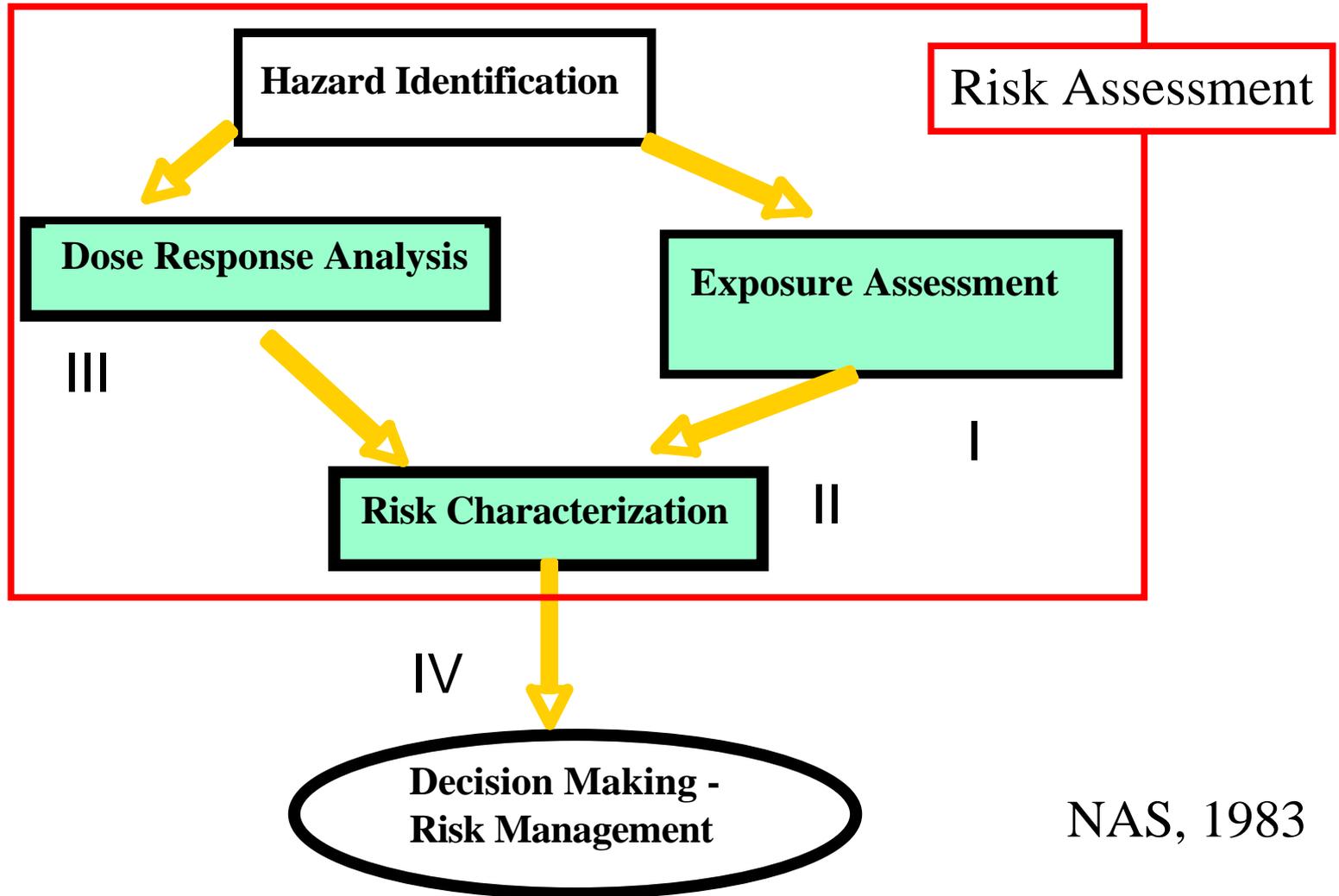
Key Tasks (I)

- Task I: Develop and validate methods to quantify exposure to biological agents of concern.
 - Chuck Gerba*-Univ of Arizona
 - Chris Choi - Univ of Arizona
 - Mark Nicas (Rachel Jones) - Univ of California/Berkeley
 - Joan Rose - MSU
 - Syed Hashsham - MSU
 - Paul Keim - NAU
- Task II: Develop appropriate dynamic disease transmission models and explore their use for policy setting.
 - Joe Eisenberg*, Jim Koopman - (Univ of Michigan)

Key Tasks (II)

- Task III: Develop and validate dose response models for microbial agents of concern
 - Chuck Haas* - Drexel
 - Carole Bolin - MSU
- Task IV: Enumerate key factors involved in perception of risks from the agents of concern and develop models for modification of perceived risk
 - Pat Gurian*-Drexel
 - Liz Casman - CMU
- Task V: Implement effective methods to enhance the understanding of microbial risk assessment (MRA) as a body of knowledge by other researchers, users and the public -- including knowledge leveraging, management, transfer and learning
 - Rosina Weber*-Drexel
 - Ewen Todd - MSU*

The Risk Analysis Process



NAS, 1983