




SRA 2017
RISK ANALYSIS
The Profession · The Practitioners · The Research
December 10 - 14 · Arlington, VA

Plenary Session

**Risk Analysis:
An Obsolete Profession?
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Risk Analysis: An Obsolete Profession?

Of course not

- More groups are using RA in daily decisions.
- However, many folks do not know what is going on, and
- Some groups are being disingenuous.

What is your profession, field or science?

Board certified toxicologist with 38 years in human health chemical safety assessment in the government, NGO, or university.



Is risk analysis a science?

Not really. Rather, RA is a logic problem that blends judgments in different scientific disciplines to make decisions based on given problem formulations.

However, many folks do not know what is going on in...

exposure

toxicology

communication

engineering



And some groups are being disingenuous.

**To a politician they will come across as
a scientist; to a physician, as an
exposure expert; to an engineer as a
toxicologist...**

**And how would the politician, physician
or engineer ever know the difference?
Would we?**

Risk Assessor Certification

风险认证

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Abstract (摘要)

- Risk analysis (RA) integrates results of different disciplines to solve a variety of problems.
- RA has been practiced for centuries, but only recently formalized; scientists skilled in RA have been trained.
- Unfortunately, such training has been haphazard; also, some analyses are uninformed, leading to confusion.
- Certification in risk assessment will:
 - promote better training (促进更好的训练),
 - allow managers to gain confidence (是满足的) in risk analysis,
 - give members of the public a way to separate sound advice from uninformed statements (区分好与坏).

Summary of Certifications (汇总)

- Course-completion assurance, for example, certificate programs based on completing selected CE courses (e.g. OSHA Certificate)
- Activity-based demonstration, for example, showing expertise via experience and CE activities (e.g. European Registered Toxicologist)
- Knowledge verification, for example, completion of examination (e.g. ABIH)
- Skill-based acknowledgement, for example, ability to complete tasks assigned by a certified risk assessor.

