



# HRA as a mature discipline

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# Strengths & Weaknesses

- Small, committed community
- Capable methods exist and applied, serving a purpose and having impact
- Good researchers and research programmes
- Applicability to many industries and societal issues – HRA has a role to play; a niche
- Fragmented
- Incoherent methodology (viewed from outside); arbitrariness in approaches
- Memory failure, lack of disciplinary learning or progression
- Disciplinary Vision and organisation missing; people outside are bewildered by HRA



# Vision

- HRA accepted and applied in many HR-sensitive industrial contexts including energy, defence, transport, and medical applications (but also space, service sector and finance)
- Mission as a discipline is to assess and improve human reliability in systems
- Generic HRA Framework plus Toolbox of ratified techniques
- Focused Research Agenda
- Reference Body - HRA development overseen by a High Level Group



# Roadmap

- Set up reference group
  - PSAM 9 as starting point
  - HRA Mission, Framework
- Consolidate methodology
  - Quantitative methods; Qualitative methods; Integration with System Reliability and with Human Factors
- HRA as a Competent, Mature, Professional Discipline
  - Guidance on approach; Practitioner Register; Research Resources
- Expand into new areas
- HRA Society