

Societal risk: Background and Challenges

Stuart Reston

HSE Chemical Industries Division

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Background 2002 - 2006

- 1100 COMAH sites (370 top tier)
- COMAH sites ranked order 'societal risk'
 - Quick FN and RI_{COMAH}
- Cross-government task group on societal risk
- Issues:
 - Incremental development
 - Large scale development
 - Legacy situations
- IChemE review of HSE methodology
- Public consultation

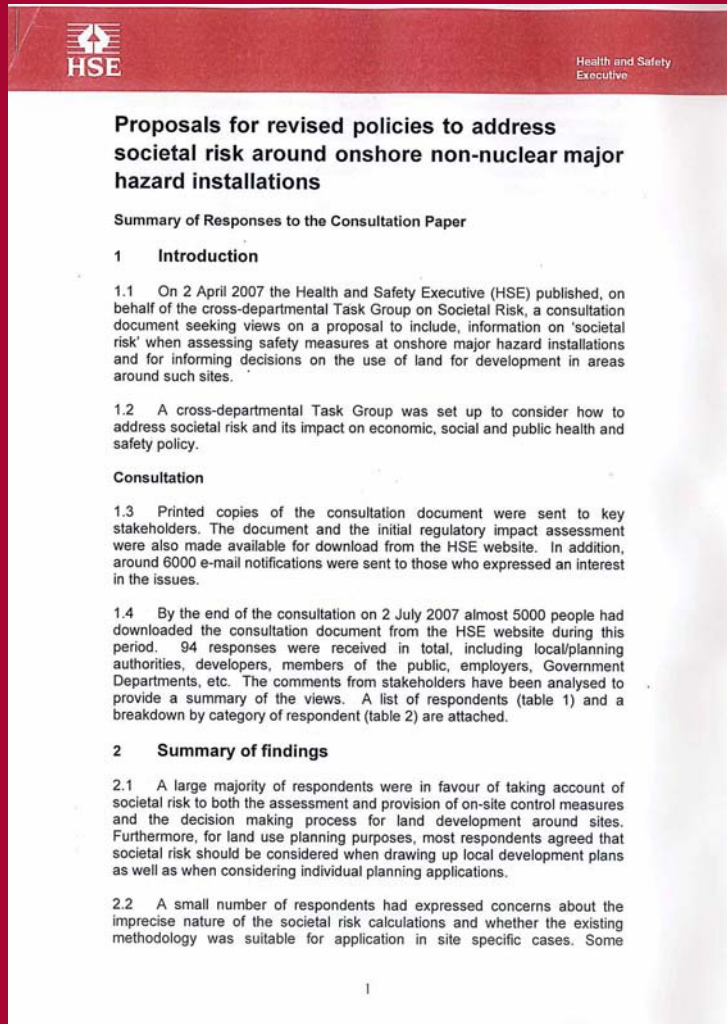
CD 212



The image shows the front cover of a consultative document. At the top left is the HSE logo. At the top right, the text 'Health and Safety Executive' is printed. The main title is 'Proposals for revised policies to address societal risk around onshore non-nuclear major hazard installations'. Below the title, there is a paragraph stating the document is issued by the Health and Safety Executive. This is followed by contact information for the Consultation Administrator, including an address in Merton Road, Bootle, Merseyside, a fax number, and an email address. A deadline of 2 July 2007 is mentioned. There are three paragraphs of explanatory text regarding the consultation process, confidentiality, and how to respond. At the bottom right, there is a dark box with the text 'CD212 Consultative Document'.

- List of 55 sites published
- Is 'Societal risk' an issue for:
 - Land use control?
 - Suitability of on-site controls?
 - How?
- Policy objectives
 - Worker and public safety
 - Effective use of land
 - Sustainable industry

CD 212 – response



- Measuring societal risk
 - Populations?
 - Consent or actual?
 - Harm?
 - Scale aversion?
- Scope of the new policy
 - Existing populations?
 - Reverse COMAH?
- Issues of mechanism
 - Clear, simple, unambiguous?
 - Cost sharing?

Societal Risk – moving forward



Departments &
Ministers

Cross Govt. Working
Group - Societal Risk

LPA focus group
(land use planning)

Societal Risk Technical
Advisory Group

LPA Focus Group Meetings



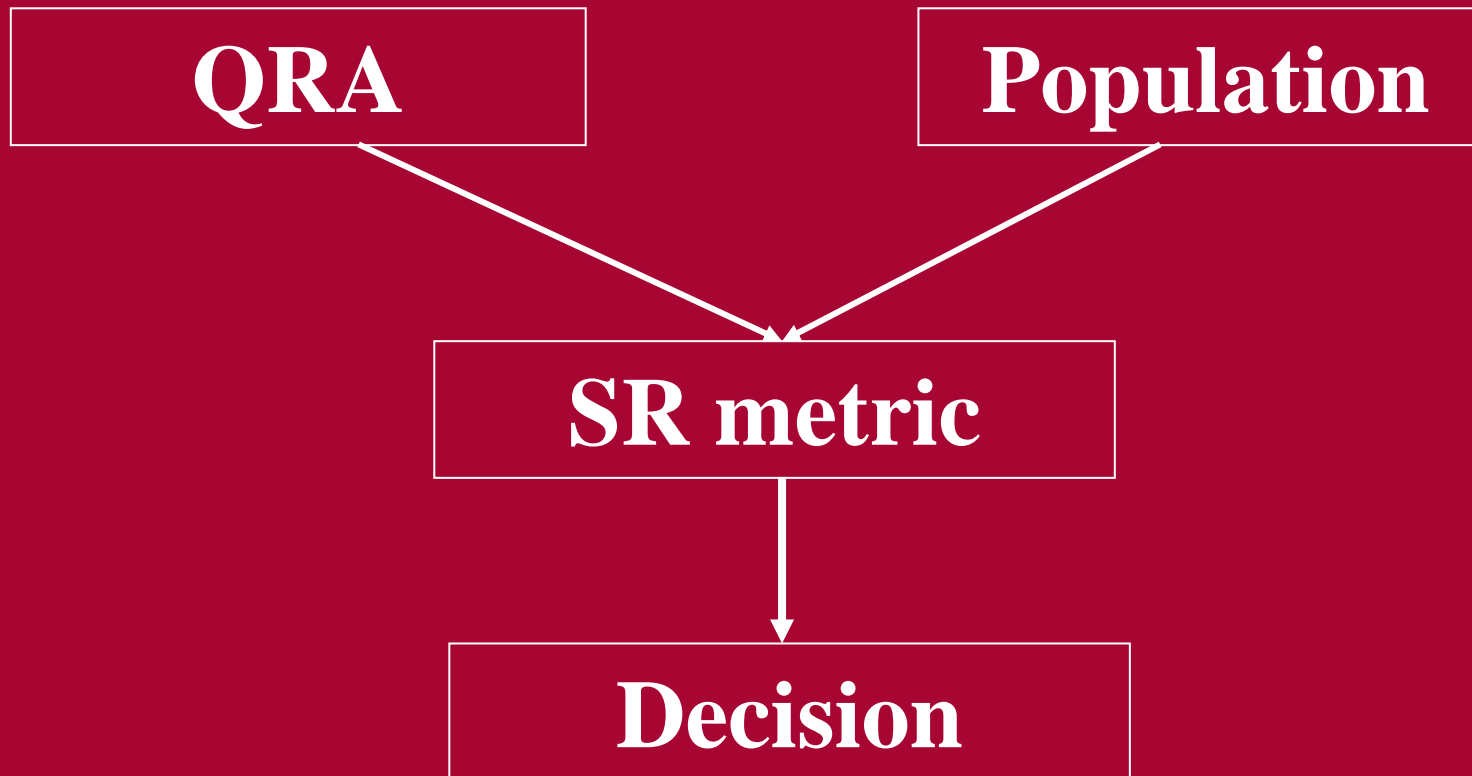
- At what point in the development planning process does HSE need to give SR advice?
- How and in what form should HSE's advice be?
- Where and how will LAs choose to present and keep information?

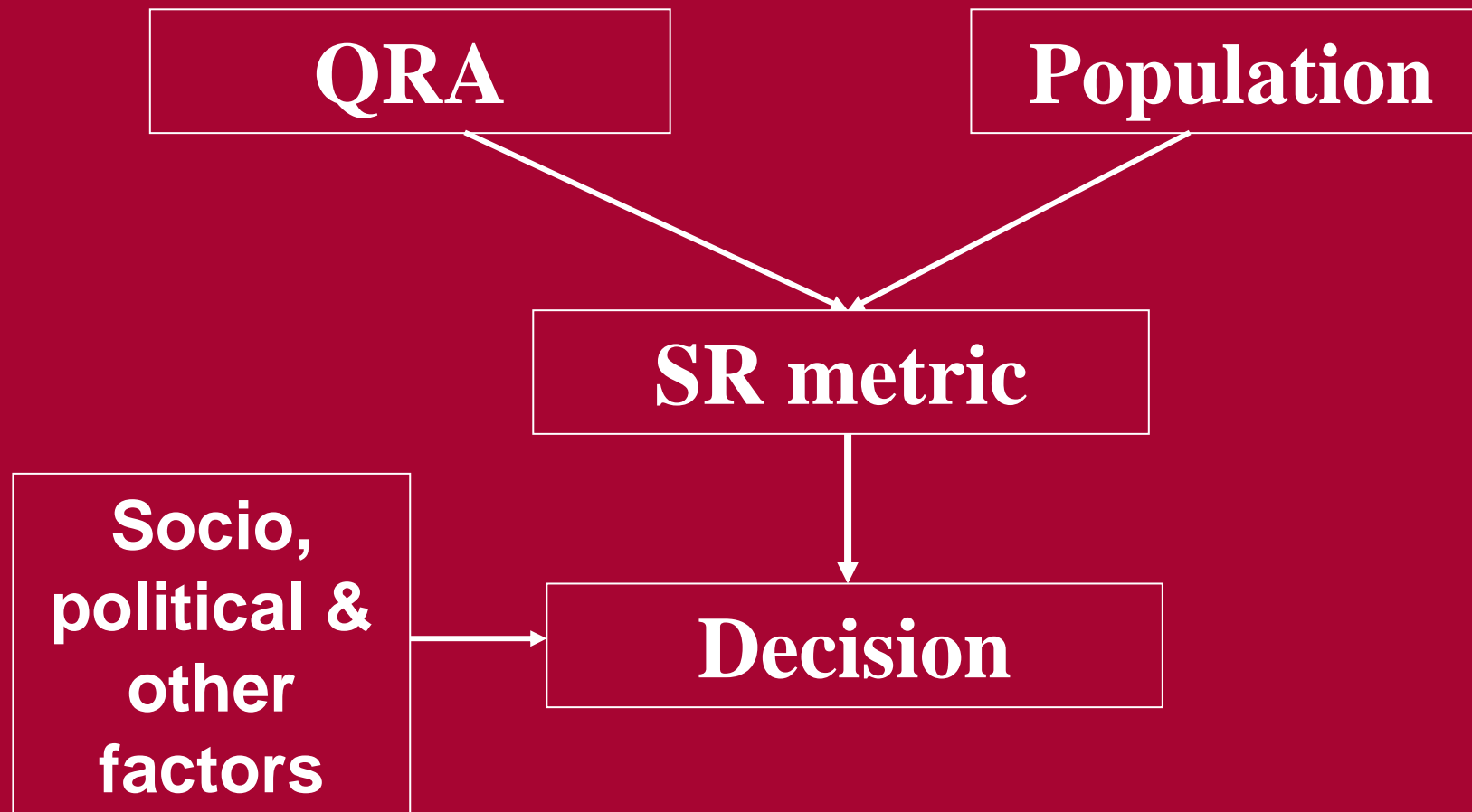
Technical Advisory Group



To advise, challenge and support the development of societal risk methodology, criteria and delivery mechanism.

- Prof. David Ball,
- Prof. Andrew Evans,
- Dr Mark Scanlon (Energy Institute),
- Mr John Galbraith (Sabic UK)
- Dr Paul Davies (Lloyds Register)
- HSE, DCLG and BERR officials





23 Technical Issues: (1 to 11)

1. How to represent societal risk? #
2. As is or consents?
3. Scale aversion? #
4. Onsite & industrial populations
5. Transient populations
6. How far to 'look' for LUP and COMAH
7. How far to intervene?
8. Fatality or all harms?
9. Building damage? #
10. Vulnerable populations and weighting
11. Risk reduction, passive and active include?

23 Technical Issues: 12 -23

12. Mitigation & building design
13. Emergency response?
14. Reality checks (on site and populations)
15. Topography?
16. Past performance of site?
17. Overlapping sites (legal person issue)?
18. Value added?
19. Need to revisit the list?
20. Updating assessments?
21. IR LUP vs SR calcs & differences in approach?
22. Legacy and existing populations?
23. Pipelines?

HSE's Societal Risk Program



- Research....
 - Re-examine case for scale aversion,
 - Other end points and factors (e.g. building damage)
 - Lessons from others (EU)
 - Refine inputs to the societal risk assessment methodology(s)
 - Develop a framework of methods, criteria & outputs



HSE's Societal Risk Program

- Land use planning trials
- Publish research and advisory group reports
- Guidance on societal risk & COMAH demonstrations
- Update the 1989 LUP 'Risk Criteria Document
- Implement....