

HSL: What do we do?

- Since 1911
- 350+ staff
- 550 acre site in Buxton, UK
- HSL set up to assist UK Health and Safety Executive (HSE) to minimise risks to people's health and safety at work
- Also work with a wide range of other public and private-sector organisations, conducting detailed, bespoke research and development work on their behalf.



CCS: Where does health & safety fit?

- Research/early concepts
- Planning permission/licensing
- Design and construction
- Operation and maintenance
- Decommissioning
- Long term stewardship

50+ years



Why does health and safety matter?



HSE's regulatory role

CO₂ Capture
Intermediate Storage

Pipeline transport
on & offshore

Injection offshore

Research

HSE encourages and gets involved

Licensing /
Planning

HSE gives a view

Design &
Construction

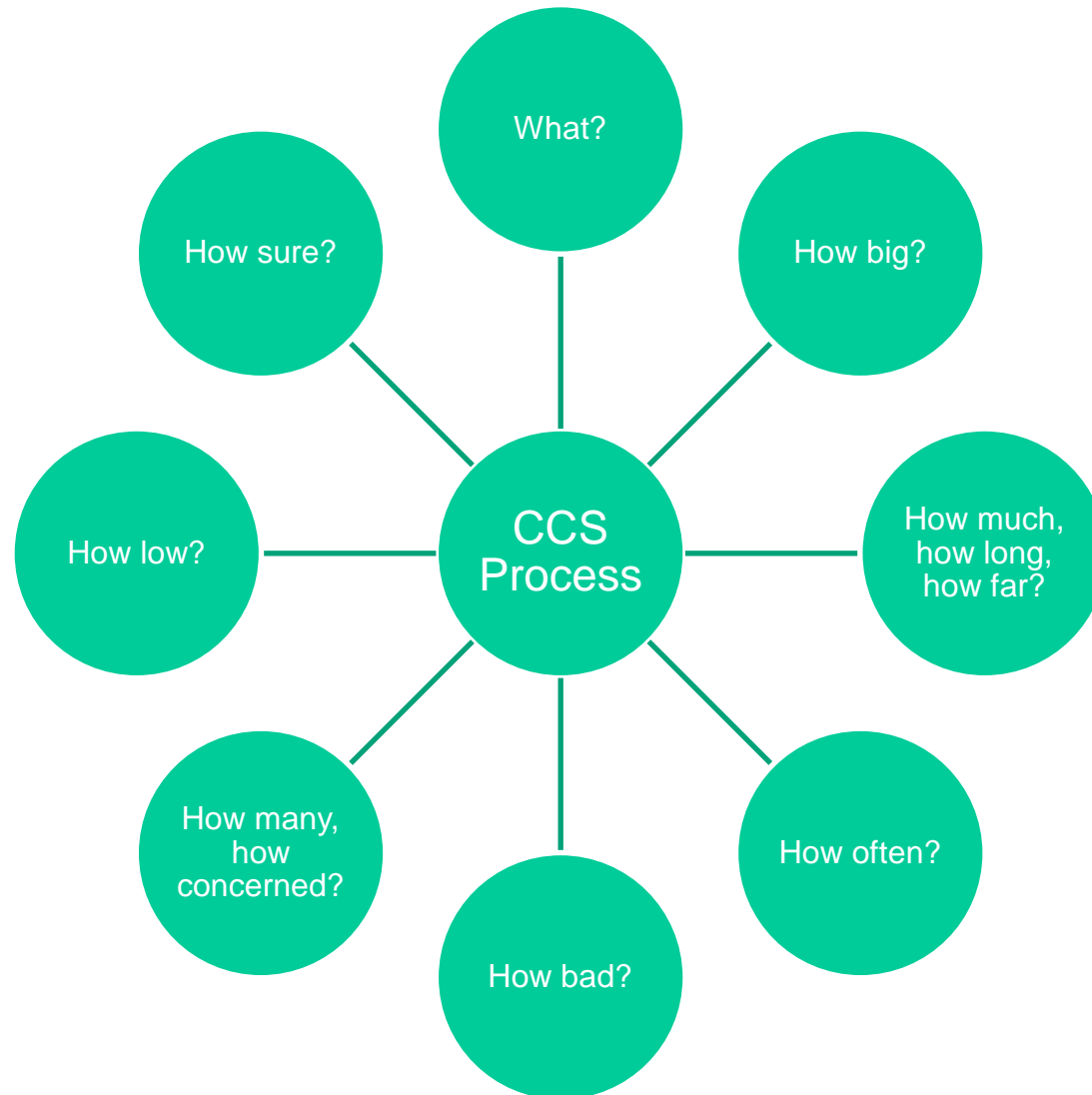
HSE gives advice

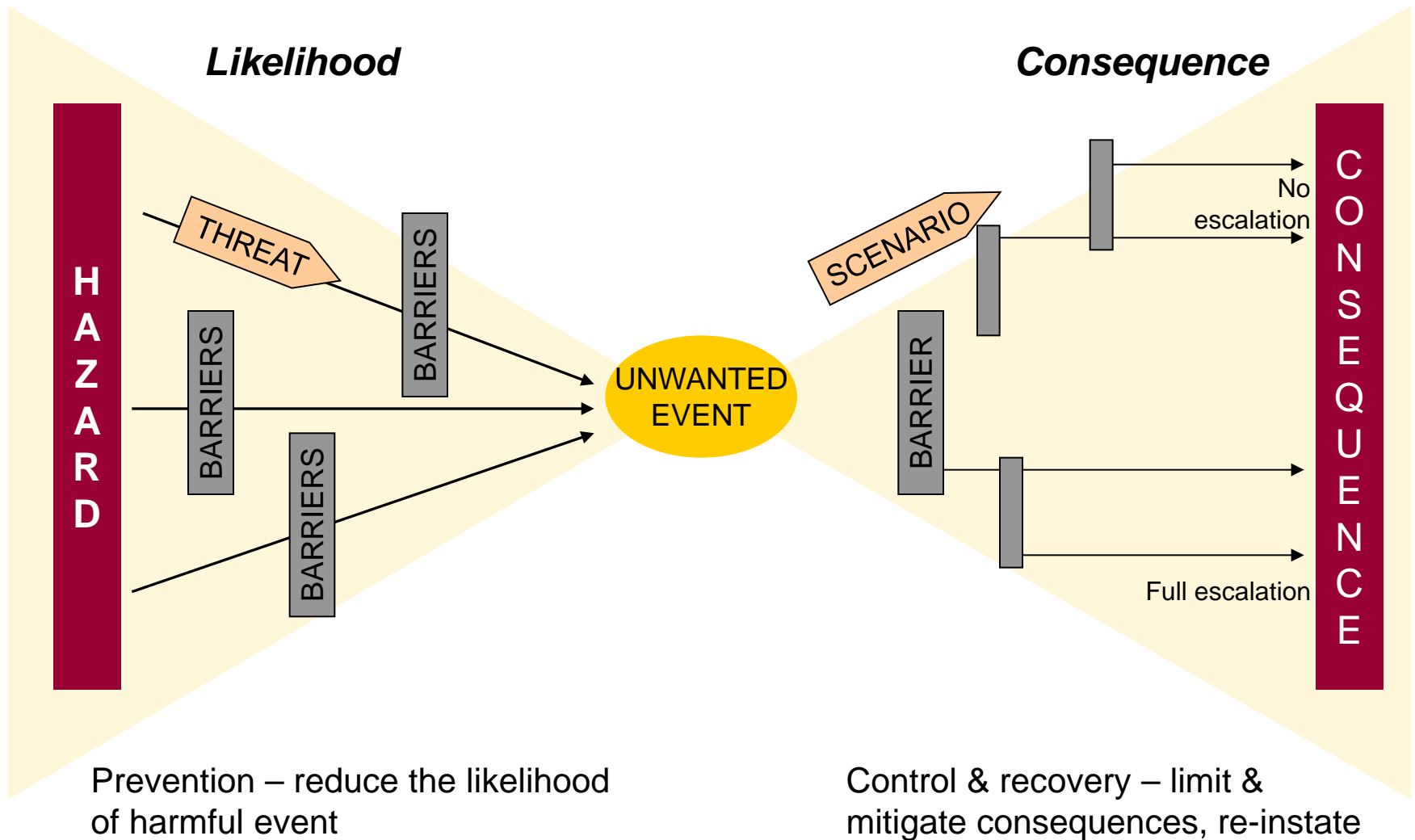
Operation &
Maintenance

HSE verifies compliance
(adequacy of risk control measures)

De-
commissioning

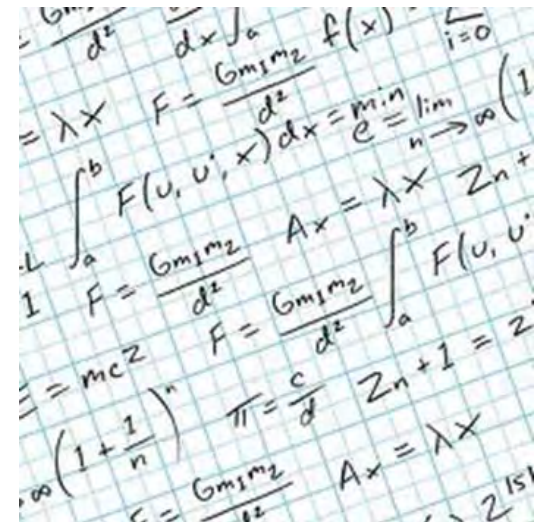
Evidence based policy





Compliance demonstrations

- I know this activity is safe because:
- I understand the hazard and risks
 - I know what control measures are in place to manage the hazards and risks
 - I know what control measures are in place to mitigate the consequences of a major accident
 - I have evidence that these control measures are working



A few thoughts on issues for offshore

- What are the credible accident scenarios?
- Reusing existing infrastructure?
- Emergency response arrangements?
- What is the business / operating model?
- Regulatory framework?

