



In Plain Sight: Assuring the whole-life safety of infrastructure

In Plain Sight: The start

Grenfell
Tower
Disaster

In plain sight- Interim

Task and Finish Groups

**Competence
Governance
Lesson sharing**

Morandi
Bridge
disaster

In plain sight- Final

**Jun
17**



22/09/2020

**Nov
17**



Institution of Civil Engineers

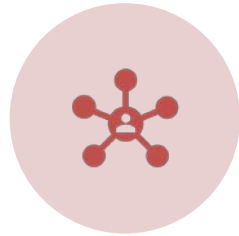
**Oct
18**



Industry-wide challenge



ERODED PUBLIC CONFIDENCE
IN THE INDUSTRY



PUBLIC UNAWARE OF THE
BREADTH AND REACH OF
INFRASTRUCTURE AND THE
ROLE OF COMPETENT, MULTI-
DISCIPLINARY ENGINEERS



PERFORMANCE: STATISTICS,
FACTS, INFORMING
PERCEPTIONS AND
EXPECTATIONS



ATTITUDES OF AND TO THE
PROFESSION



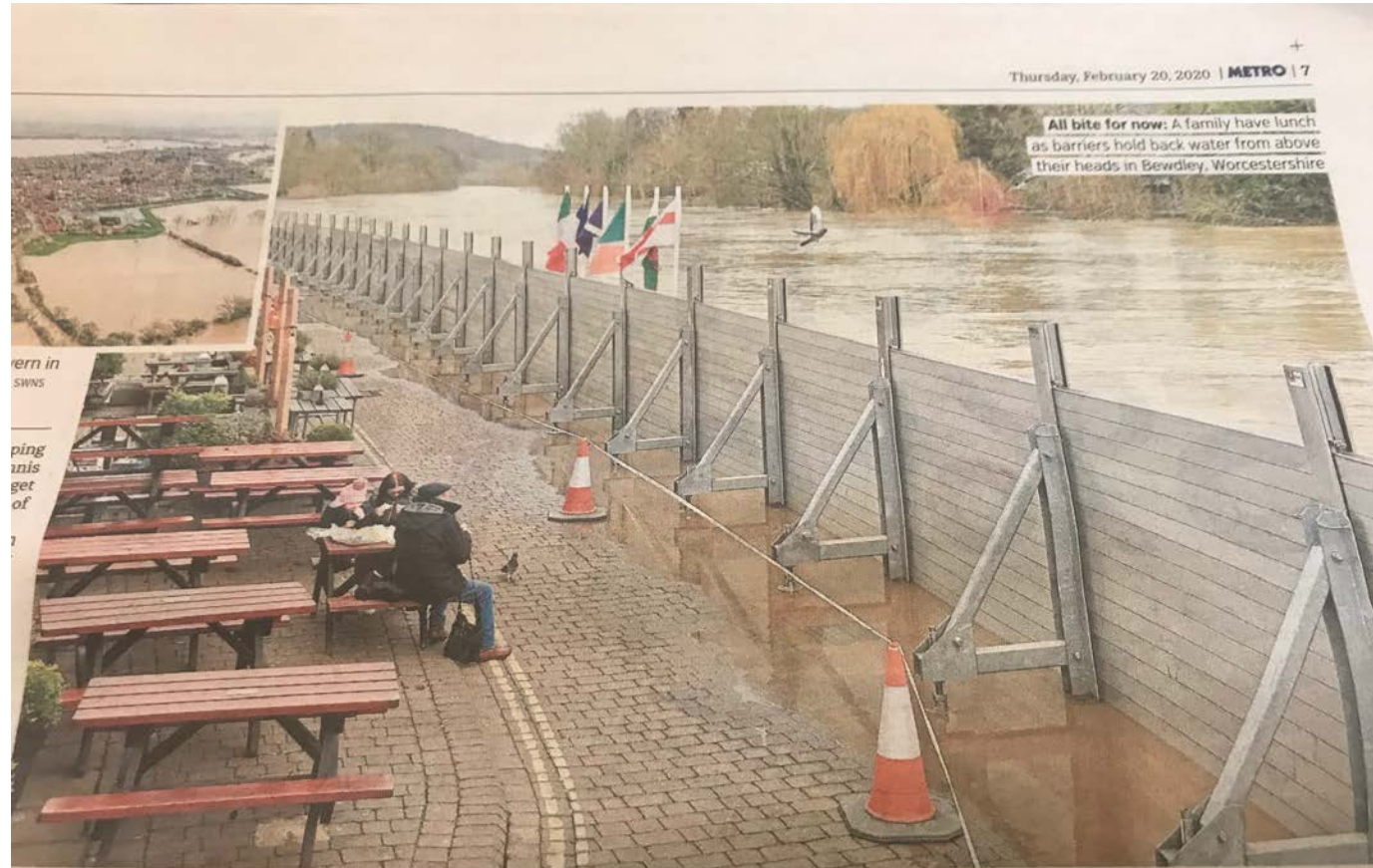
A BIG SECTOR- SOME
PROFESSIONALLY QUALIFIED-
MANY ARE NOT

Trust

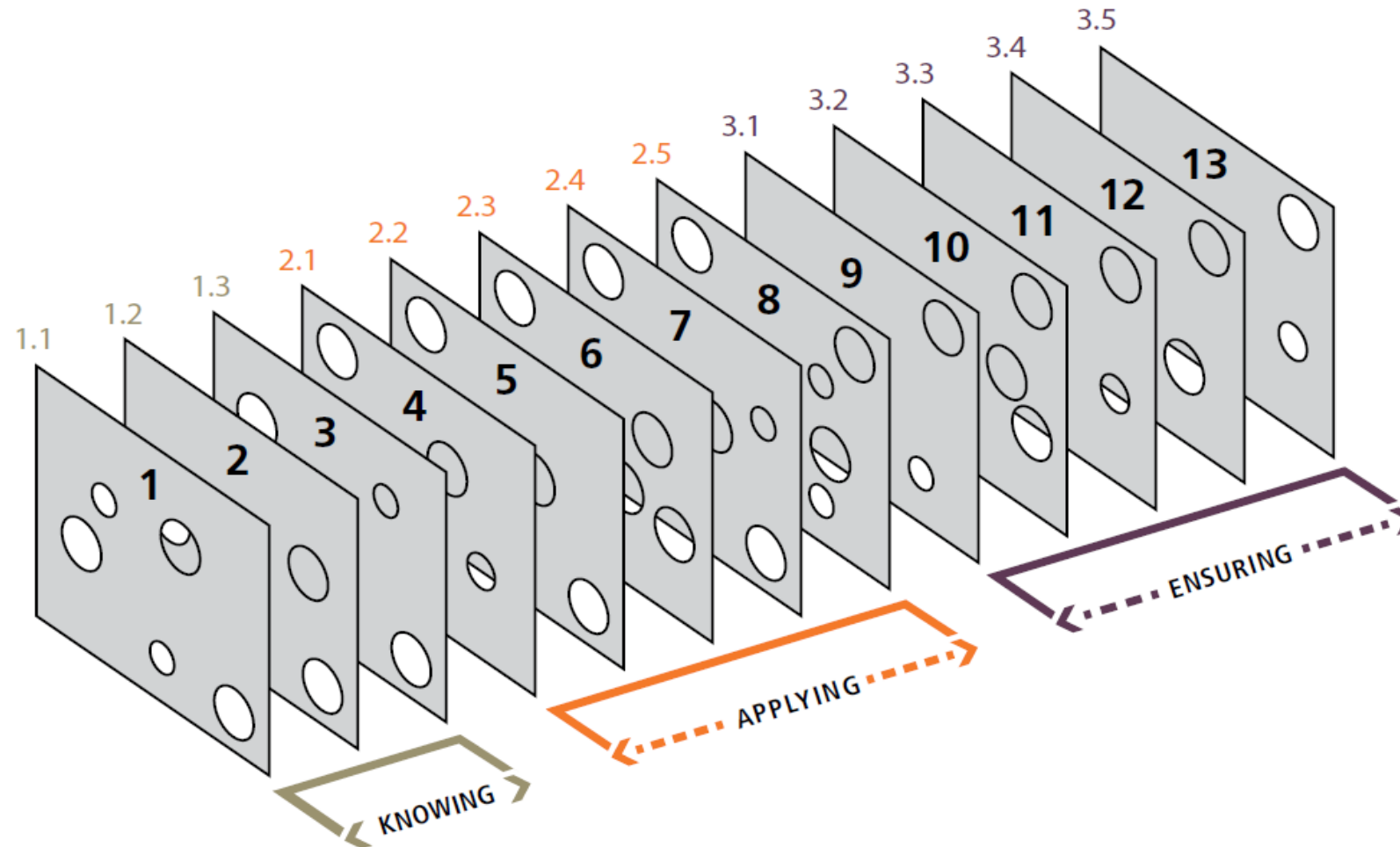
Definition:

Noun

‘firm belief in the reliability, truth, or ability of someone or something’



Knowing, Applying and Ensuring

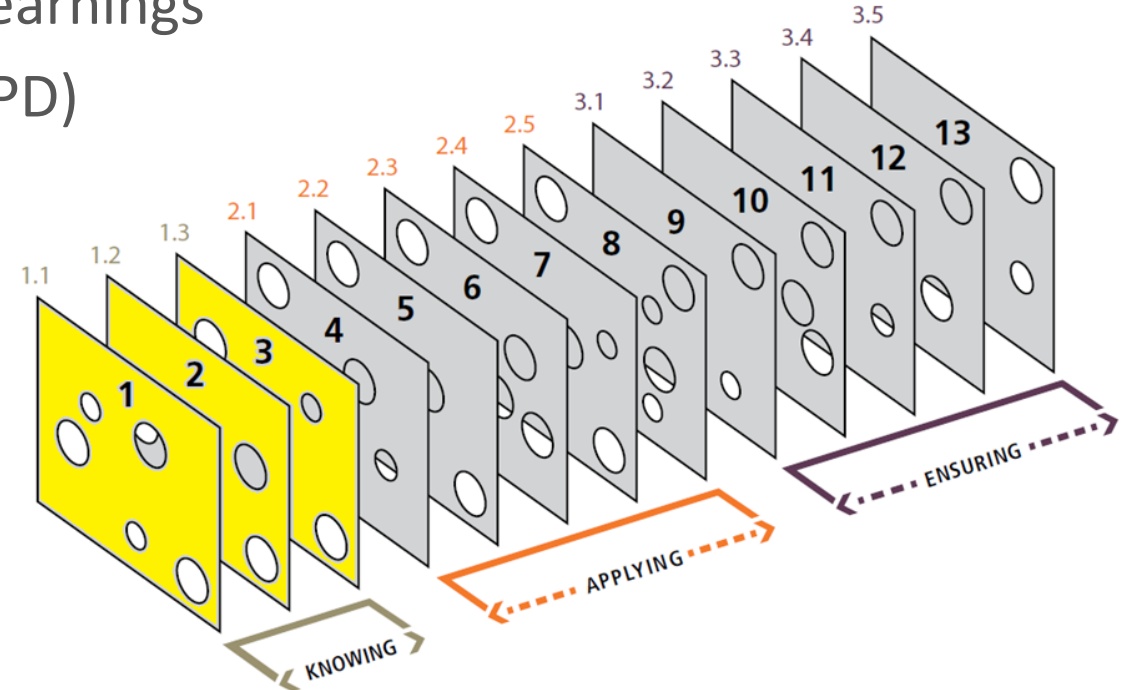


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Lines of defence: Knowing

**Link to CROSS
and sharing
learning**

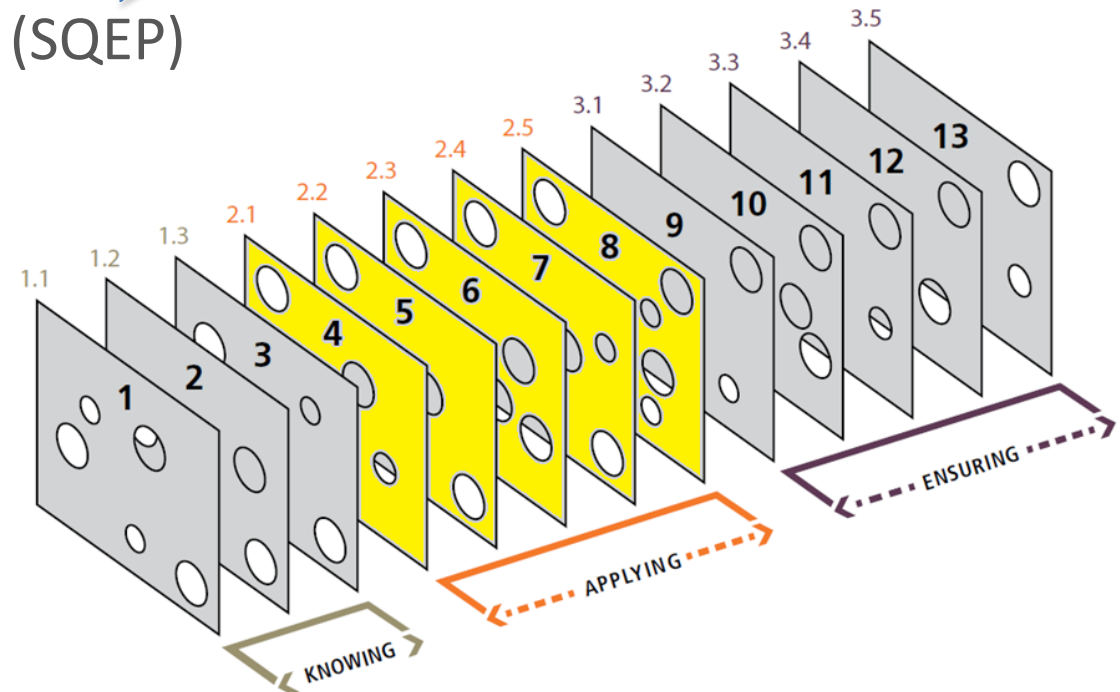
1. Asset condition data
2. Incident reporting and dissemination of learnings
3. Continuous Professional Development (CPD)



Lines of defence: Applying

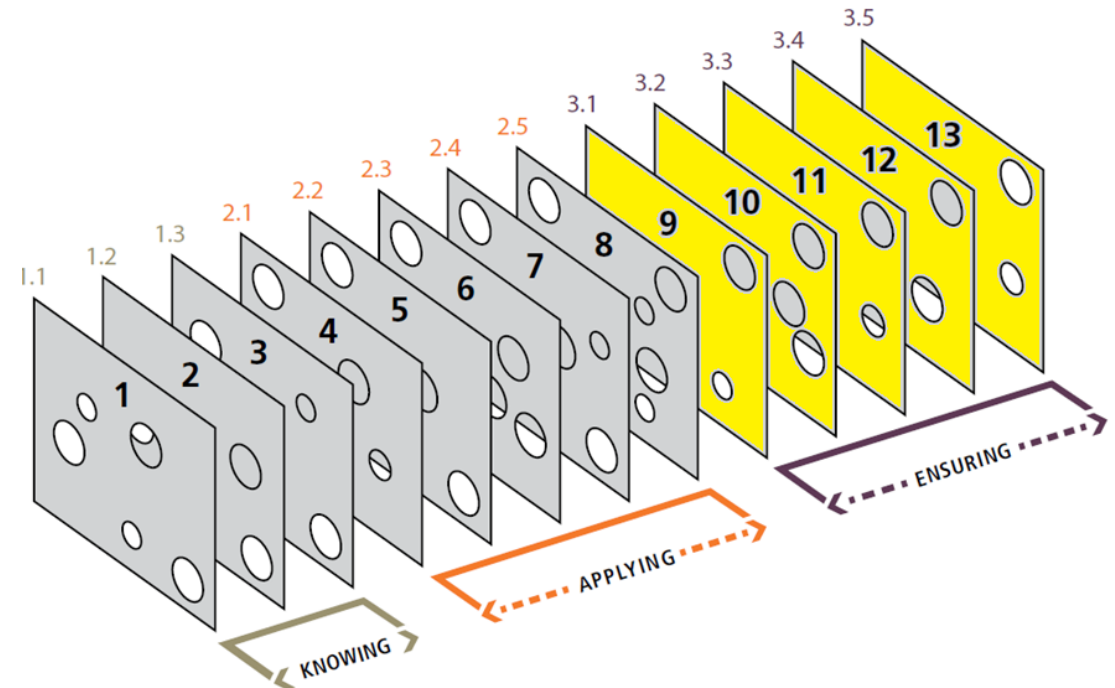
1. Standards and regulations
2. Attention to quality in design and construction
3. Suitably qualified and experienced persons (SQEP)
4. Code of Professional Conduct
5. Client organisations

Link to
'registers'



Lines of defence: Ensuring

1. Governance
2. Investment cases and the Health and Safety File
3. Independent scrutiny and assurance
4. Asset stewardship of infrastructure
5. Cyber security



Implementation: ICE Council discussions

- **In light of recent well publicised infrastructure failures, what should ICE be doing to reassure society at large that infrastructure is safe?**
- Should ICE be driving changes to certification models to improve decision making and oversight at all levels within the industry?
- **How should we review existing codes, standards and professional guidance to minimise the risk of failure?**



- Broad range of individuals, background and information
- Structured interviews covering
 - ‘Safe’- what does this mean in the context of infrastructure, engineering practice, interface with the public and awareness
 - ‘the public’- who are infrastructure’s stakeholders?
 - The role of the ICE: What support is required
 - The professionals delivering infrastructure
 - The landscape in which infrastructure is delivered

Current practices and next steps

- Confidential reporting practices
- Analysis, learning and sharing
- In-depth investigations into failures, when they occur.
- Sharing best practice
- Ownership of data, findings and recommending adjusted industry practices
- What should ideally happen?

