



Proportionate regulation: A critical enabler of fusion in the UK

US NRC Annual Regulatory Information
Conference

12 March 2026

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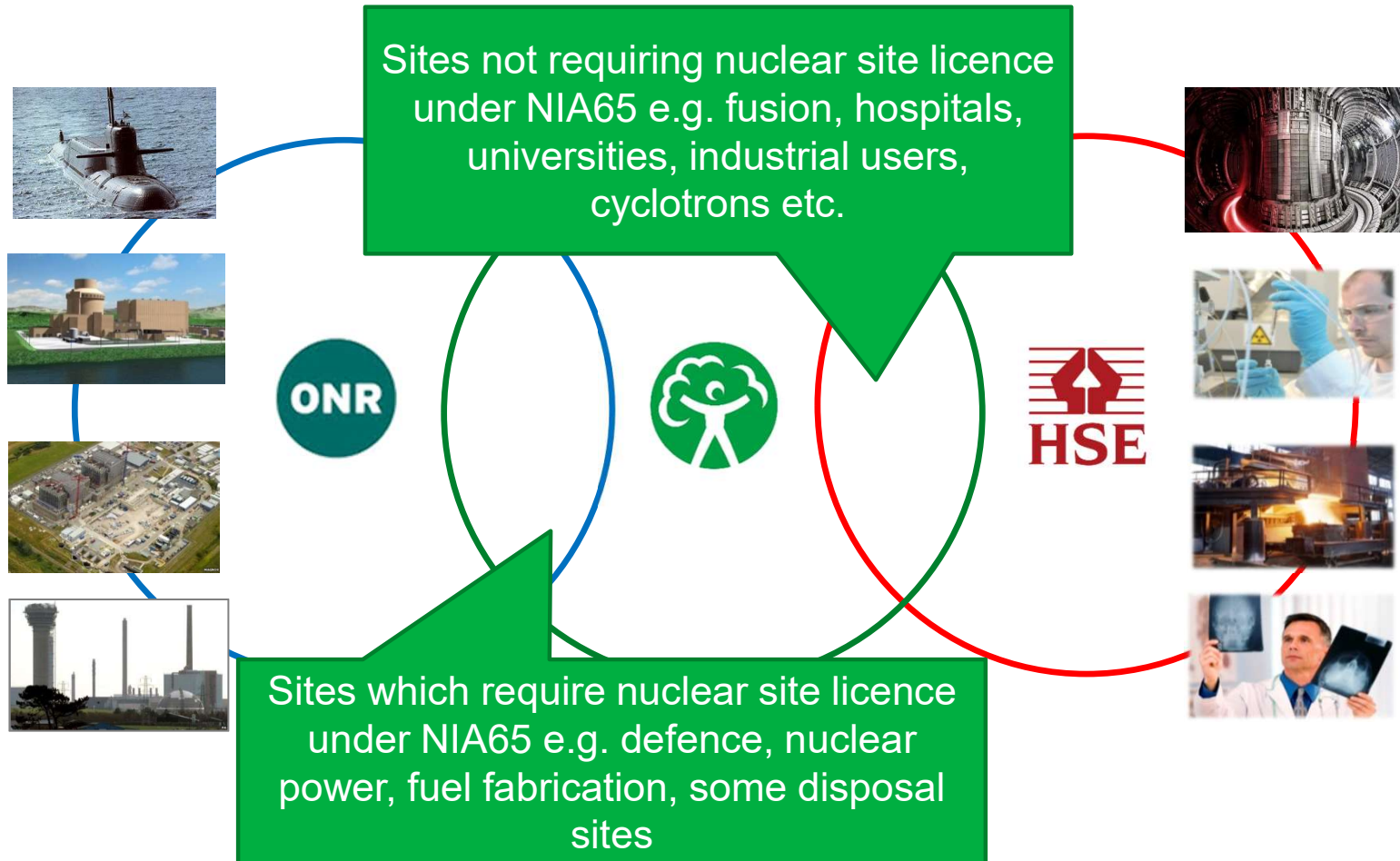
The Environment Agency



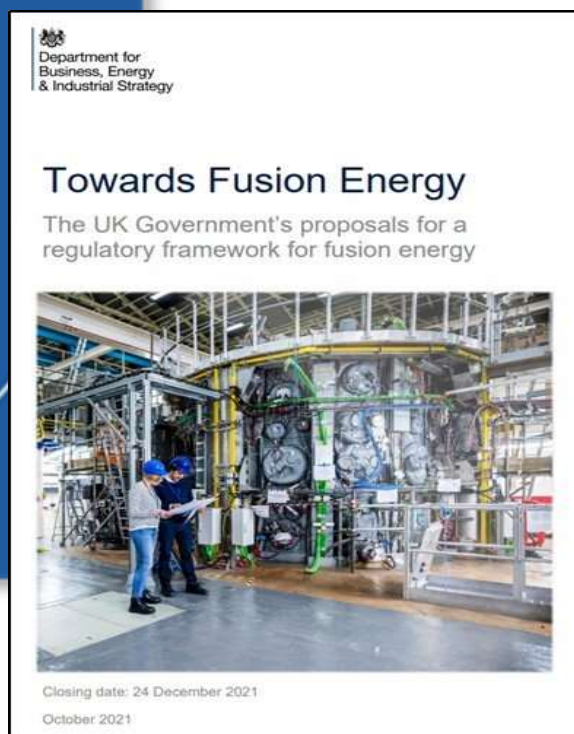
- Environmental regulator and adviser in England including incident response and recovery
- Dual mission to **protect and enhance the environment as a whole and to contribute to sustainable development** including economic growth, low carbon energy, etc
- Independent



UK regulation of nuclear fission and fusion



Fusion regulation – UK Government review



2022 - Government decided:

- regulators of fusion R&D facilities will retain responsibility for fusion:
 - Environment Agency and
 - Health and Safety Executive
- Applies to all fusion prototype energy facilities in the UK.
- Fusion not to be subject to nuclear site licensing regime for fission

Fusion in the UK



UK Atomic
Energy
Authority

Joint European
Torus operations

JET Decommissioning

UKAEA R&D facilities



STEP demo project



Private fusion vendors

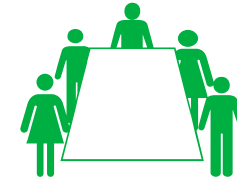
Enabling fusion and its benefits through proportionate regulation



We have regulated UKAEA fusion activities for many years



UK Government has confirmed fusion regulatory framework



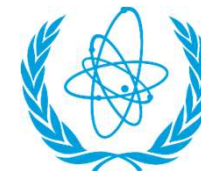
We recognise fusion technology is evolving - we are listening to industry



We are working with international regulators to streamline processes



We are building our capability & capacity



IAEA

We are engaging internationally to contribute to fusion guidance and standards