



# Shaping Harmonisation through Guidance: Insights from the EI Approach

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# The Energy Institute

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Innovation



## Who we are

The chartered professional membership body for people who work across the energy sector



**Global Impact**



**Royal Charter • 100+ Years**

## Our Purpose

Creating a better energy future for our members and society by accelerating a just global energy transition to net zero.



Attracting, developing and equipping the diverse future energy workforce



Informing energy decision-making through convening expertise and advice



Enabling industry and consumers to make energy lower carbon, safer and more efficient

# EI approach to developing guidance

Enabling industry alignment without prescribing solutions



- Provide technical expertise across global energy sector
- Develop standards and good practice
- Work across the full energy system
- Convene industry, regulators and academia
- Independent, multi-stakeholder collaboration
- Non-prescriptive, risk-based approach
- Rigorous, transparent development and review
- Knowledge sharing across the industry
- Shared, evidence-based understanding of industry good practice
- Alignment on risks and system interfaces
- Harmonised outcomes without prescribing solutions

**What we do**

**How we work**

**What this enables**

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# What are we learning about harmonisation?

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## **1. Harmonisation does not require uniformity**

Compatibility matters more than identical solutions

## **2. Risk-based alignment as useful framework**

Shared understanding of CCS risk profile is fundamental

## **3. Need to allow for innovation**

Key research areas still evolving (e.g. impurities, corrosion mechanisms, stream measurement)

## **4. Opportunity to build on existing knowledge**

Embed alignment early; collaboration across industry and regulators

## **5. Harmonisation can be iterative**

Alignment develops over time, consensus is rarely fast or easy

# Implications for North Sea CCS

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Core assumptions across diverse projects need to align



Opportunity to leverage existing oil & gas expertise while recognising CO<sub>2</sub> is different



Standardisation will continue to evolve as projects and research continue

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