AI STANDARDS HUB

Introduction to the AI Standards Hub

7 February

Overview of the AI Standards Hub

The AI Standard Hub's mission

Advancing responsible AI by unlocking the potential of **standards as governance tools innovation enablers**

Empowering stakeholders to become actively involved in the international AI standardisation landscape

- Participation in the **development** of standards

- **Informed use** of published standards

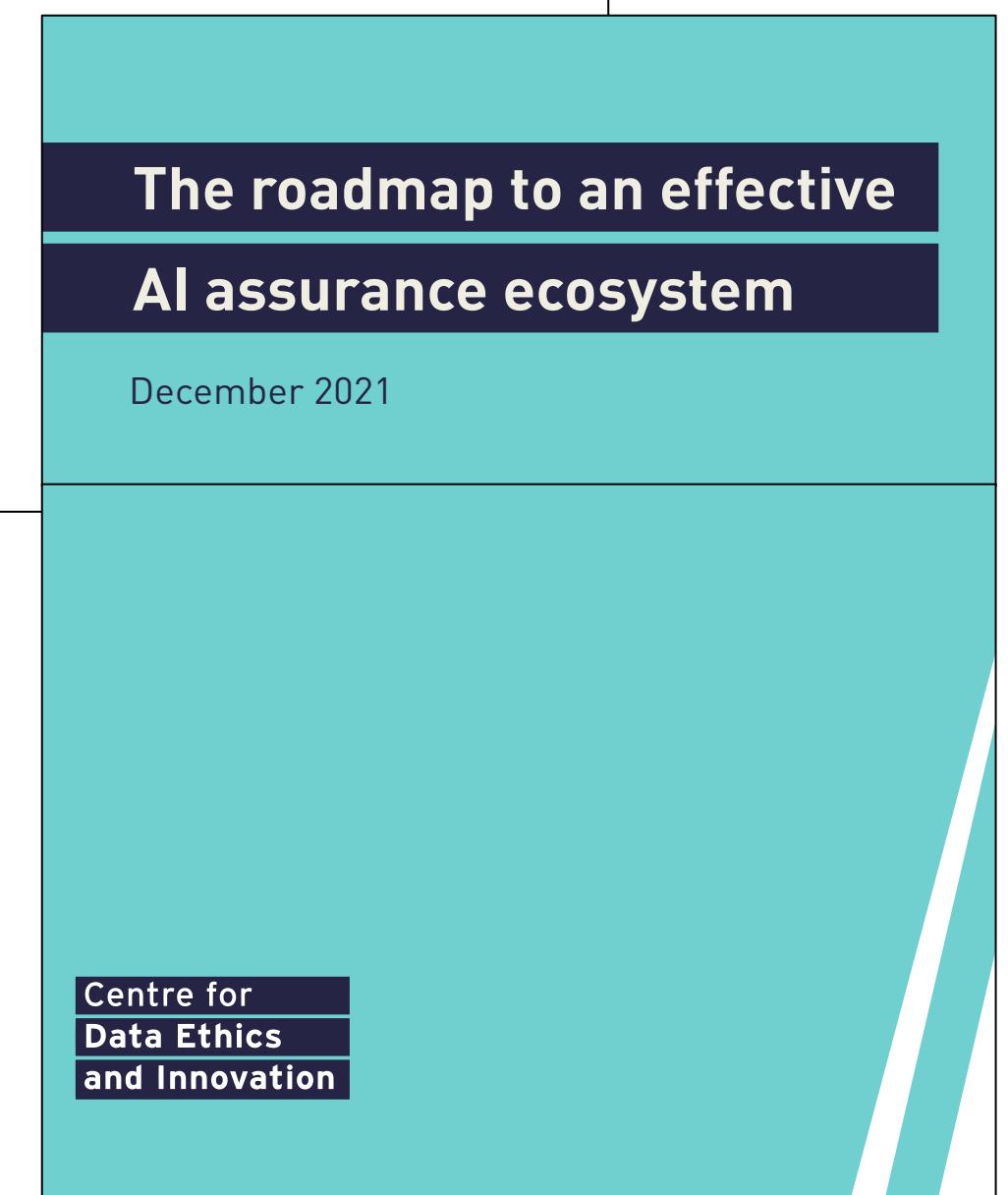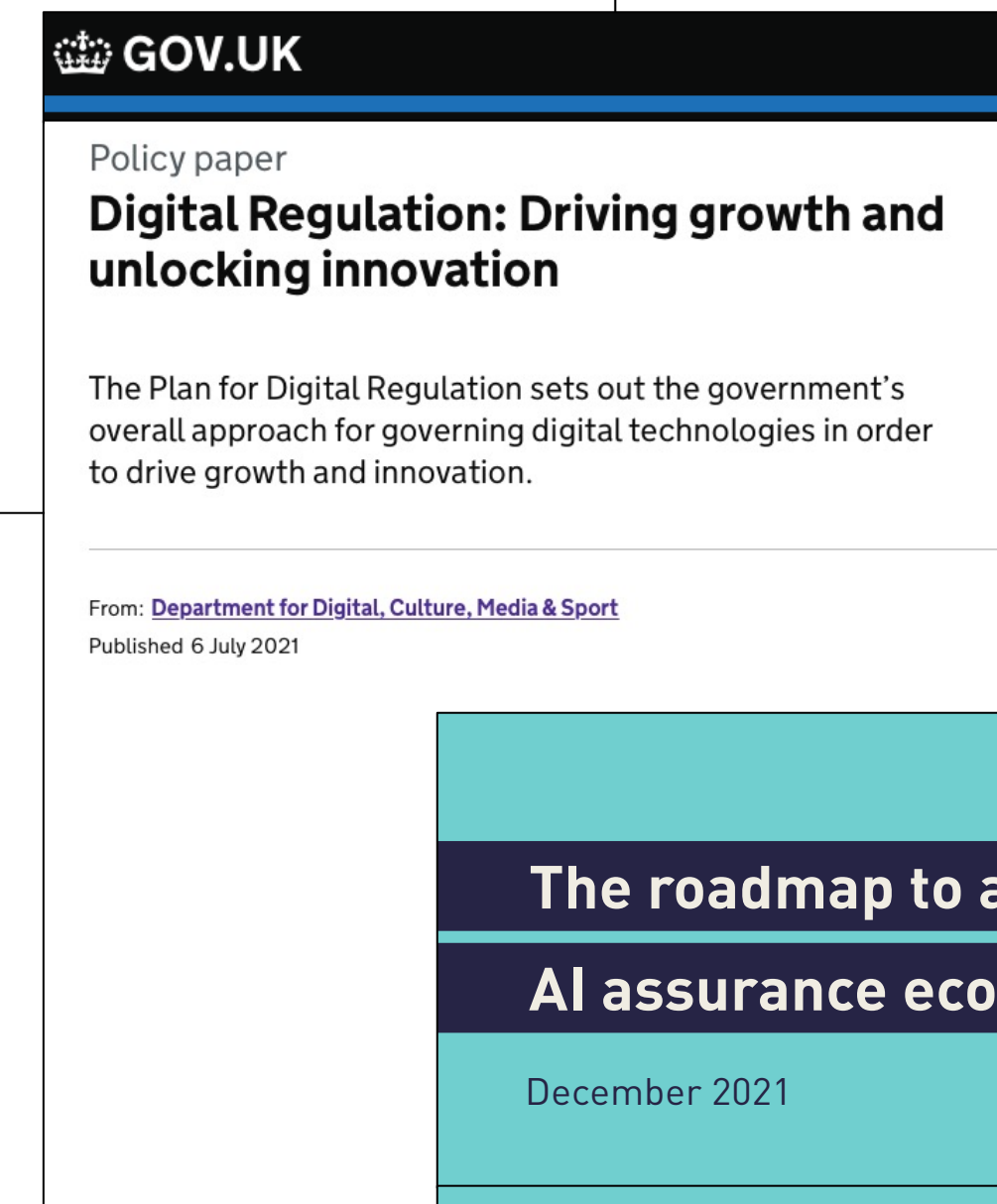Focus on standards developed in international SDOs

Why standardisation for AI?

Importance of international standards for the evolution of the UK's AI sector

- Quality and safety assurance
- Ethical development and use
- Knowledge and technology transfer
- Interoperability
- Market access

Links to other governance mechanisms

- Third-party certification
- Designated/harmonised standards
- UKCA/CE marking

Department for Business, Energy & Industrial Strategy · bsi. · NPL National Physical Laboratory · UKAS United Kingdom Accreditation Service

Standards for the Fourth Industrial Revolution

HMG-NQI Action Plan to unlock the value of standards for innovation

July 2021

GOV.UK

Policy paper

Digital Regulation: Driving growth and unlocking innovation

The Plan for Digital Regulation sets out the government's overall approach for governing digital technologies in order to drive growth and innovation.

From: Department for Digital, Culture, Media & Sport
Published 6 July 2021

The roadmap to an effective AI assurance ecosystem

December 2021

Centre for Data Ethics and Innovation

The role of stakeholder diversity

- **AI standardisation touches on the interests of many stakeholder groups**
  - AI developers
  - Procurers of AI
  - Users of AI
  - Civil society / consumers
  - Regulators & policymakers
  - Academic researchers

- **Importance of inclusion and participation**

- **Increasing complexity and rapidly evolving landscape**
  - Challenges for stakeholders in navigating AI standardisation
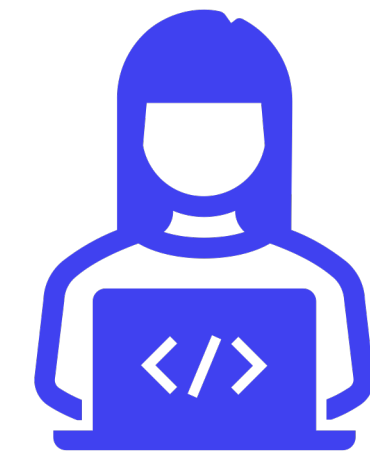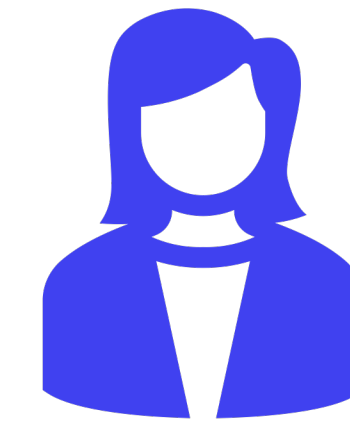
Four pillars of activity

1) Observatory

- Interactive databases for AI standards and AI policy with update & notification features

2) Community & collaboration

- Connection, exchange of ideas, and problem-solving online and through live events

3) Knowledge & training

- E-learning and in-person training focused on skills for engaging with AI standardisation

4) Research & analysis

- Strategic insights to inform the direction of international AI standardisation efforts
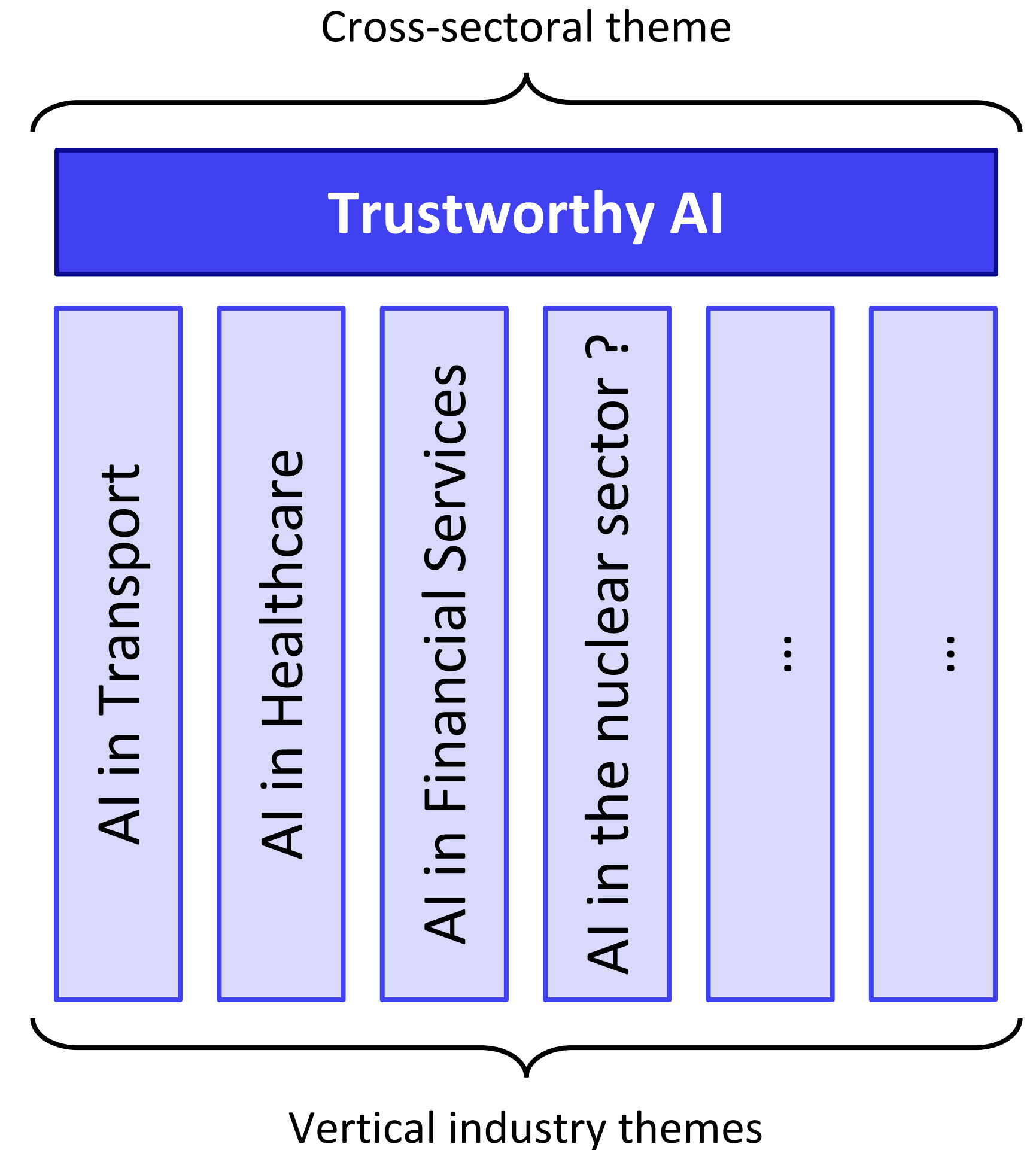
What AI-specific standards are being developed?

Horizontal →

94	**Vertical** ↓↓↓
	66

Published 102

Draft 11

Pre-draft 47

Foundational and terminology	39
Process, management and governance	**85**
Product and performance requirements	21
Measurement and test methods	31
Interface and architecture	45

Thematic areas

- Activities to be structured around a combination of **horizontal** and **vertical thematic areas**

- **Initial focus** on cross-cutting **horizontal theme: Trustworthy AI**

- Addition of thematic areas dedicated to specific **industry verticals** over time

Cross-sectoral theme

Trustworthy AI

AI in Transport

AI in Healthcare

AI in Financial Services

AI in the nuclear sector ?

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⋮

Vertical industry themes
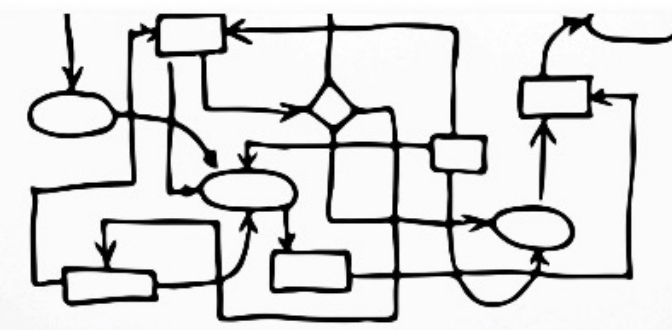
![AI STANDARDS HUB]

Previous events

PAST EVENT

Towards safe, secure and resilient AI: Discovery workshop

See more details

![AI STANDARDS HUB]

PAST EVENT

Towards transparent and explainable AI: Workshop to inform ISO/IEC standards development

See more details

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+ Regular workshop for UK Regulators

Opportunities

OBSERVATORY

Expanding the online databases to better cover the nuclear sector

COLLABORATION

Workshops or other events to support the nuclear community

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Thank you!