

Three core competing regulatory models



The EU Rights/Values Model

The AI Act primarily focuses on regulating digital markets, while advancing Eu-

ropean integration...

AI Act

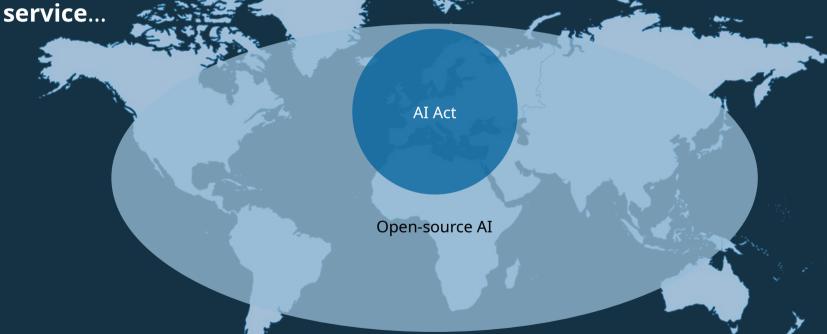
International Trade

...,based on health, safety, fundamental rights (democracy, rule of law, environ-

ment)

Open-source AI

The AI Act primarily focuses on AI systems placed on the EU market or put into



...but Open-source AI generally does not fit this definition because it is freely shared

EU AI Board Agenda

Supporting compliance and simplification

Supporting Compliance and Simplification

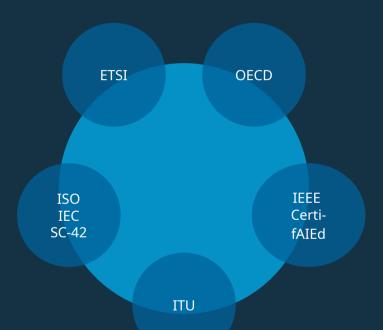
Things to reflect

- Values based Ethical Design: How do we ensure values based ethical design?
- Regulatory Compliance: How do we ensure regulatory compliance?
- Business practices: How do we
- migrate nicely from legacy systems to new ones?
- Universal Design: How can we achieve global relevance?



EU AI Board Standards Subgroup

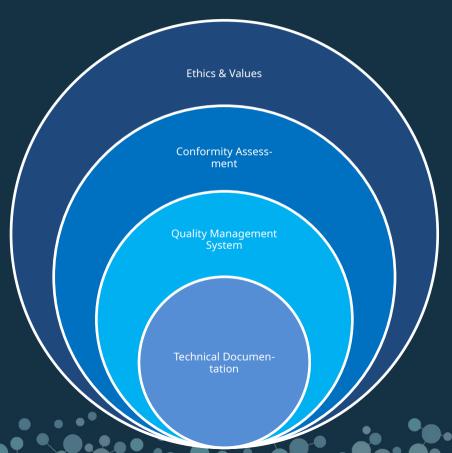
Report on the ongoing standardization activities in other international fora...



...and the relevance of those international activities for hENs and the implemen-

the AI Act

The AI Act & Ethics Interplay



IEEE CertifAIEd: Integral to Building Trust and Societal Well-being





Aligns with Global Regulation:

AI Regulations being implemented in US, China, EU, Canada, UK and other countries



Human values & IEEE CertifAIEd

4 grounding principles of Human Values

Respect for human autonomy

Prevention of harm

Fairness Explicability

IEEE CertifAIEd supports these principles through the Ethical Foundational Requirements (E-FRs) promoting

- Human agency and oversight
- Technical robustness and safety
- Privacy and data governance
- Transparency
- Diversity, non-discrimination and fairness
- Societal and environmental wellbeing
- Accountability



IEEE CertifAIEd™ CRITERIA SUITES

Principal Suites of Criteria

Ethical Transparency

Preservation of openness, self-determination, communication, disclosure of information regarding an AI, the organization and its processes.

Ethical Accountability

Answerability, liability, the expectation of account-giving and assumption of responsibility for actions, products, decisions, and policies.

Ethical Algorithmic Bias

Human centric, avoidance of harmful bias, established boundaries of acceptance of bias.

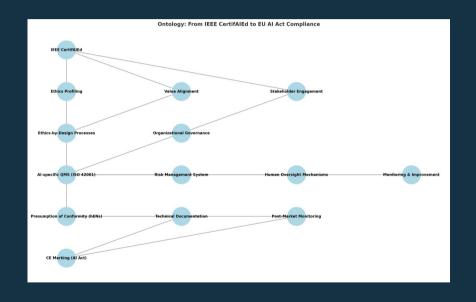
Ethical Privacy

Using data with the **per- mission** of stakeholder
and extracting outcomes
with **respect to individ- ual's private sphere.**



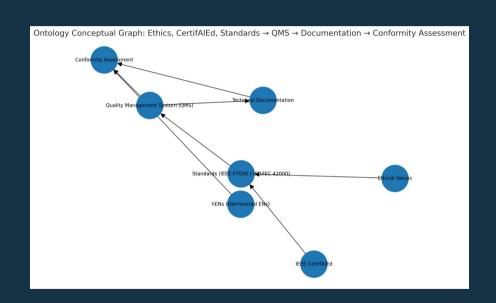
The Standardisation ontology towards compliance

- IEEE CertifAIEd: Values based ethical design
- AI Act requirements: High Risk AI systems (Art. 8-15)
- Legacy Frameworks: ISO 42000 series, 9000 series, IEEE P7000 series, ETSI
- hENs: Presumption of conformity



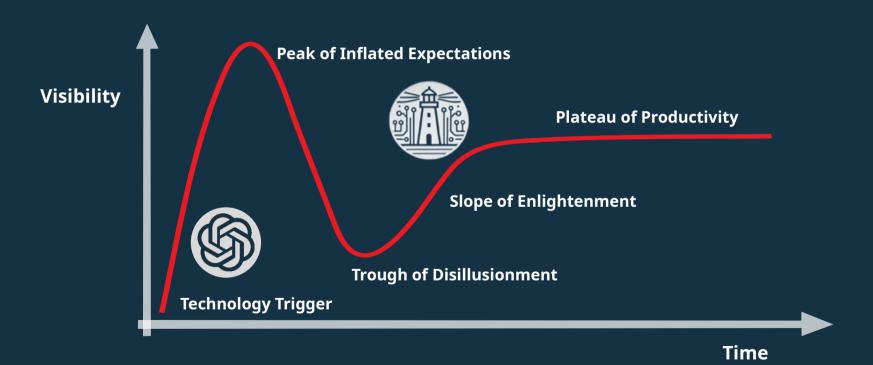
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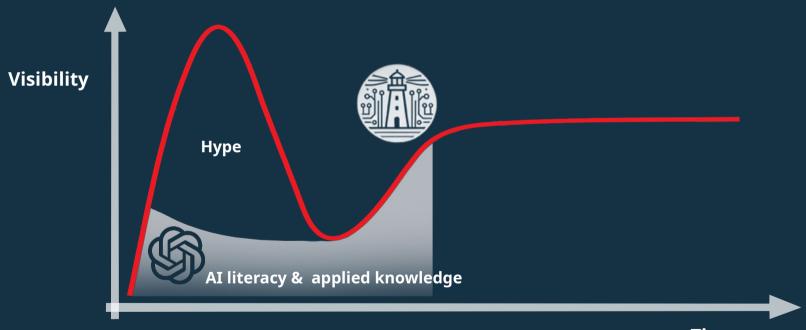
Amara's law

We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run



Amara's law

It takes a lot of time to apply knowledge in a productive way, beyond the initial hype





Thank You

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