



The importance of ethics in AI development

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Public

Agenda

Introduction to AI

Importance of ethics

EU ethics guidelines on trustworthy AI

AI deployment: practical steps

Q&A

"The best way to predict the future is to create it" – Abraham Lincoln



What is AI?

Core elements of AI definitions:

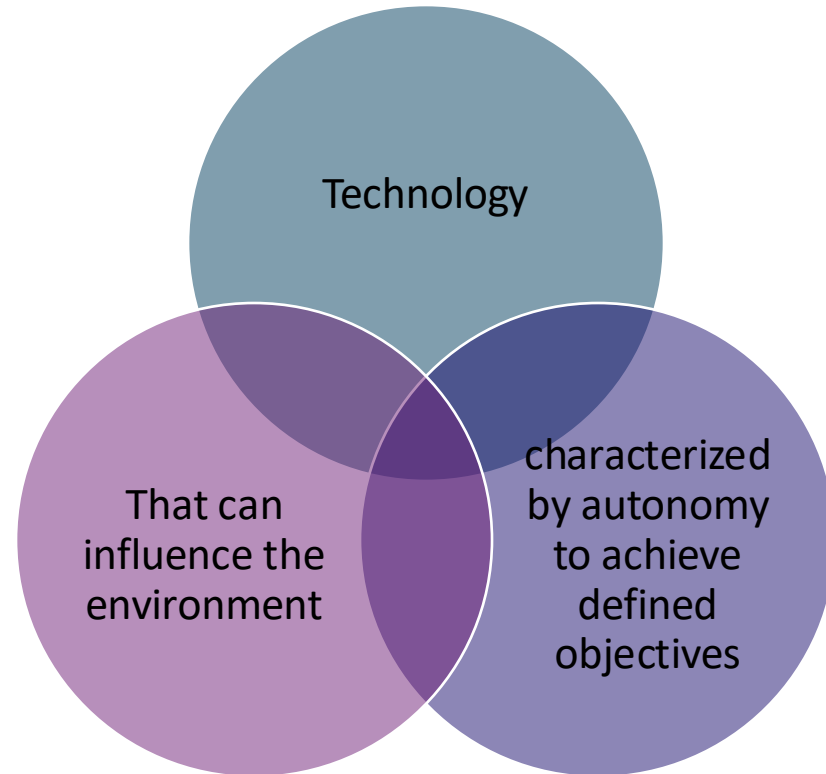


Image generated by <https://gencraft.com/generate>

Why ethics is important in AI development and use? And critical thinking?



Chat bot example:

- Ethical design & ethical use
- Terms and conditions

Deepfakes

Cloning voices

“Coded bias”

Image generated by <https://gencraft.com/generate>



Ethics in AI

In no other field is the ethical compass more relevant than in artificial intelligence. These general-purpose technologies are re-shaping the way we work, interact, and live. The world is set to change at a pace not seen since the deployment of the printing press six centuries ago. AI technology brings major benefits in many areas, but without the **ethical guardrails**, it risks reproducing real world biases and discrimination, fueling divisions and threatening fundamental human rights and freedoms.



Gabriela Ramos
Assistant Director-General for
Social and Human Sciences of
UNESCO

Source: <https://www.unesco.org/en/artificial-intelligence/recommendation-ethics>



Focus on use case of AI

Analysis of benefits (for the organisations, for the people, environment)

Risk and opportunities

DP/Fundamental Rights/ AI Impact Assessment

Cross-functional teams

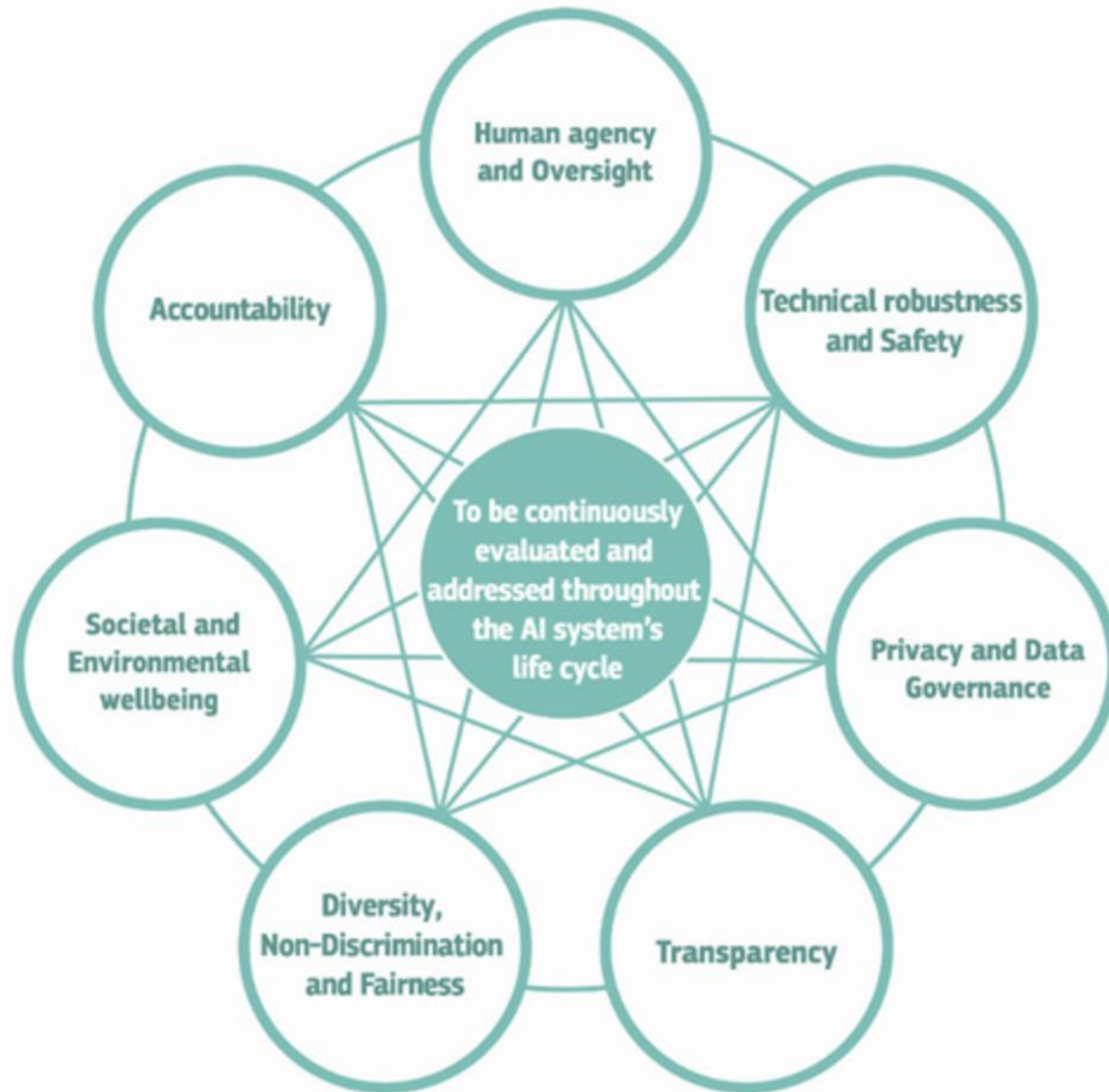
Legal context

EU context: Ethics guidelines on trustworthy AI

According to the Guidelines, trustworthy AI should be:

- lawful - respecting all applicable laws and regulations
- ethical - respecting ethical principles and values
- robust - both from a technical perspective while taking into account its social environment

Trustworthy AI



Source: <https://digital-strategy.ec.europa.eu/en/library/ethics-guidelines-trustworthy-ai>

AI deployment at the organization

Use case/risk
analysis

AI Governance
Committee/Human
oversight

DP/FR/AI impact
assessment

Steps at GÉANT

GÉANT internal guidelines on AI and ML

IP Policy (with relevant provisions regarding AI content)

Working on the creation of the AI Governance Committee

AI awareness

Providing support to the NREN Community

Resources

- **ISO/IEC 23894:2023(en)** Information technology — Artificial intelligence — Guidance on risk management: <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:23894:ed-1:v1:en>
- ISO/IEC 42001:2023 Information technology — Artificial intelligence — Management system: <https://www.iso.org/standard/81230.html>
- **NIST Artificial Intelligence Risk Management Framework:** <https://www.nist.gov/publications/artificial-intelligence-risk-management-framework-ai-rmf-10>
- EU ethics guidelines on trustworthy AI: <https://digital-strategy.ec.europa.eu/en/library/ethics-guidelines-trustworthy-ai>
- Centre for AI Policy Development: <https://www.caidp.org/>
- **AI Clinic:** <https://www.caidp.org/global-academic-network/ai-policy-clinic/>



Q&A

Thank You!



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