

Public Perceptions of the Social and Ethical Implications of AI

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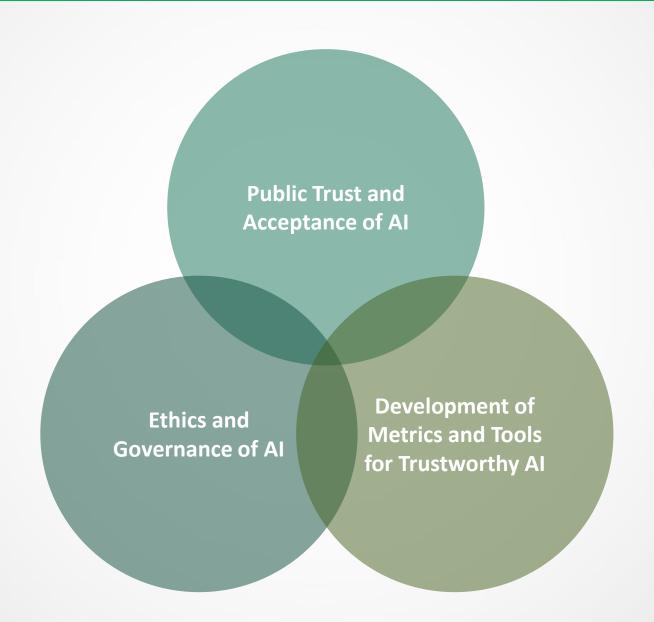
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Key Research Areas & Insights





Ethical Requirements & Governance Framework

Ethics Guidelines for Trustworthy AI

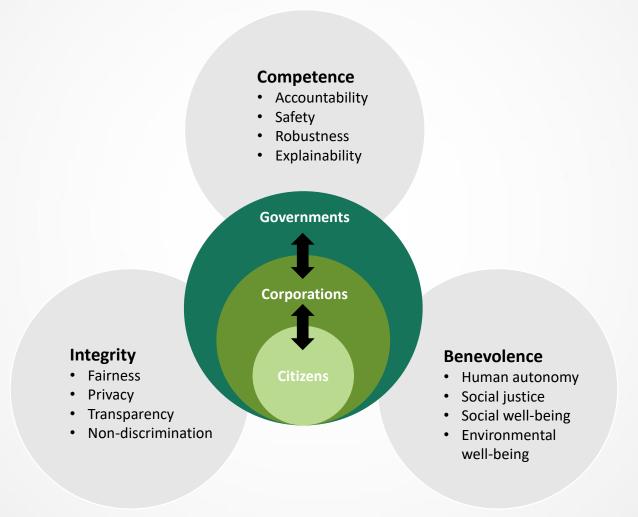
(European Commission, 2019)

Ethics requirements for trustworthy Al	Description
1. Accountability	AI mechanisms should be put in place to ensure responsibility and accountability for AI systems and their outcomes.
2. Transparency	Al systems and business models should be transparent, and the Al systems' decisions should be explainable to the stakeholders. People need to be informed about the systems' capabilities and limitations.
3. Privacy and data governance	Ensure privacy and data protection, which requires adequate data governance framework.
 Diversity, non- discrimination, and fairness 	Al systems should be accessible to all, and unfair biases should be avoided. Minimizing algorithmic bias is also important.
5. Technical robustness and safety	Al systems should be safe, reliable, and reproducible to minimize unintended harm.
6. Human agency and oversight	Al systems should allow people to make informed decisions. There should be a human oversight mechanism through a "human-in-the-loop" approach.
7. Societal and environmental well-being	Al systems should benefit human beings and they should take into account the social impact and environmental consequences.



Ethical Requirements & Governance Framework

The Framework of Multilevel Governance and Trust in Al





From Principled Approach to Virtue-based Approach

Principled Approach

Based on deontology

– focuses on
principles

Focus on "doing" (act-centered)

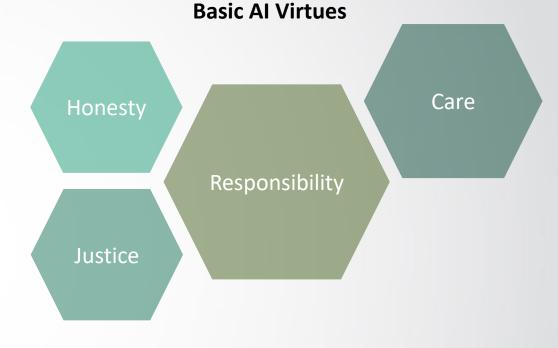
Development of action-guiding principles

Virtue-based Approach

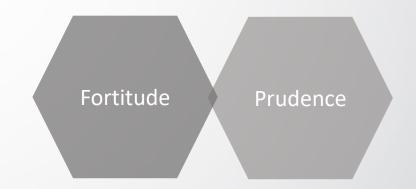
Treat characters as fundamental to ethics

Focus on "being" (agent-centered)

Development of specific positive dispositions



Second-order AI Virtues



Hagendorff, T. (2022). A virtue-based framework to support putting AI ethics into practice.



Thank you!

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