What are Maturity Models?

- Models are widely used in the industry.
- Intended to help companies appraise their process maturity and develop it.
- Serve as points of reference for different stages of maturity in an area from the selected viewpoints.

Why Maturity Models?

- Guidelines alone cannot guarantee ethical AI systems.
- Tools for industry adoption.
- Ethical AI in practical way on organizational level.
- Links AI Ethics to Software engineering by using existing practices.

What do we need?

AI Ethics Maturity Model
Or
AI Maturity Model?

Ethical requirements

- Understanding stakeholders
- Accountability
- Data privacy
- Fairness
- Human Agency
- Safety & Security
- System Oversight
- Transparency
- Wellbeing

Automated

- Ethics as part of process
- Actions are planned, optimized, & automated
- Proactive approach
- Self-measuring

Maturity model steps and step requirements

Ad hoc

Level of Maturity

Time for AI (Ethics) Maturity Model Is Now?

Access the full paper: bit.ly/ai-maturity-model-now
Time for AI (Ethics) Maturity Model Is Now

**Ethical requirements**
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Maturity model steps and step requirements

**Level of Maturity**

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Call for Action

- **Maturity model** to cover the entire sphere of technical and ethical quality requirements of AI
- The model should not be an effort for a single researcher or research group
- **Multidisciplinary project**
- **Participate** in the development of an AI maturity model!
- **Sign-up link:**


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**The Key Concepts of Ethics of Artificial Intelligence**

[arxiv.org/abs/1809.07027](https://arxiv.org/abs/1809.07027)

**ECCOLA -- a Method for Implementing Ethically Aligned AI Systems**


**The Current State of Industrial Practice in Artificial Intelligence Ethics**


**Ethically Aligned Design: An empirical evaluation of the RESOLVEDD-strategy**


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Thank you!