Concrete measures to operationalize AI ethics principles and tensions

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10 septembre 2026

Ten use cases across different industrial sectors have been studied in the AIOLIA project. We gained important insights into AI ethics principles, specifically their interlinkages and contextual components. Our findings align well with the overarching HLEG ALTAI framework but also show important deviations. The status and meaning of ethics principles may be much more fluid in actual design practice than in the abstract AI ethics frameworks. We have also elicited and narrativized many tensions between principles. The core of AIOLIA findings is a portfolio of technical and organisational measures to implement each principle and address trade-offs. Based on these empirical measures, AIOLIA is now building pedagogical materials and offering pilot training sessions in AI ethics.