Informing Regulatory Reasoning on Algorithmic Systems in Societal Communication with STEAM - The Socio-Technical Ecosystem Architecture Method

Initiative: Künstliche Intelligenz – Ihre Auswirkungen auf die Gesellschaft von morgen

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In the course of progressive digitization, public communication has also undergone profound changes, so far without adequate reflection in the concepts and instruments of media law covering the whole chain of news distribution. New actors, complex actor constellations and the use of algorithmic systems require novel approaches. The project's goal is to create a socio-technical ecosystem architecture methodology that provides a holistic perspective on the systems and the actors embedded in them. The methodology builds on existing architecture concepts and integrates normative reasoning from a legal and ethical perspective. Three case studies will be conducted on i. Facebook News, ii. the microblogging platform Parler, and iii. another case yet to be determined via horizon scanning. External expertise is involved in the research process regarding risk identification and evaluation. The consortium expects to reveal new types of risks to public communication and to identify suitable starting points for regulatory countermeasures.

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