

CERTAIN – A Center for Trustworthy Artificial Intelligence

The Center for European Research in Trusted AI (CERTAIN) is an initiative of the German Research Center for Artificial Intelligence (DFKI). The objective is to establish reliable Artificial Intelligence (AI) in Europe through the implementation of scientifically founded, practically applicable and socially accepted certification and testing procedures for AI systems. CERTAIN brings together stakeholders from science, business, politics and civil society in an open consortium to work together on standards, methods and tools for 'Trusted AI'.

The focus is on the development of guarantees about the behaviour of AI - especially as an integral part of system design instead of a purely technical testing mechanism. In this context, CERTAIN is pursuing a comprehensive approach: trustworthiness should already be built into the design through robust, comprehensible and fair system architectures. In addition, technical procedures for verification and validation are developed that enable reliable statements to be made about performance, security and limits. Transparency is seen as a key prerequisite for accountability and traceability - not just through disclosure, but through genuine explainability. CERTAIN also focuses on human-centred interaction: users should be empowered to understand and classify AI systems and intervene to correct them if necessary.

This multidimensional approach clarifies: CERTAIN does not create labels, but real orientation. The aim is not to assume trust in AI, but to systematically establish it through verifiable criteria - technically sound, institutionally secured and communicable.

In accordance with the regulatory requirements of the European AI Regulation (EU AI Act), CERTAIN is developing a modular training programme for the trustworthy use of AI. The objective is to convey essential requirements such as risk management, transparency, fairness and technical robustness in a pragmatic manner, particularly for stakeholders involved in the development, operation or evaluation of AI systems. The training modules are designed to provide a solid foundation for future specialised training and certification, thereby contributing to the broader implementation of the EU AI Act.

CERTAIN is transdisciplinary and networked. The initiative combines expertise from computer science, law, ethics, governance and standardisation work. At the same time, CERTAIN pursues a modern approach to science communication: complex content is communicated in a clear, accessible and visually appealing way - in order to anchor trust not only technically, but also socially.

Based in Saarland, CERTAIN contributes to the strategic positioning of Germany and Europe as a location for safe and responsible AI. The clear goal: Trusted AI - not just promised but guaranteed.

For further information and enquiries, please contact the CERTAIN team at the following address:

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About DFKI

The German Research Center for Artificial Intelligence (DFKI) is one of the world's leading research institutions in the field of Artificial Intelligence. With locations in Kaiserslautern, Saarbrücken, Bremen, Osnabrück, Berlin, Darmstadt and Lübeck, DFKI covers a broad spectrum of research topics and works closely with industry, science and society.

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