

TrustLLM

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TRUSTLLM

DEMOCRATIZING TRUSTWORTHY AND EFFICIENT
LARGE LANGUAGE MODEL TECHNOLOGY FOR EUROPE

Call: HORIZON-CL4-2023-HUMAN-01-CNECT
Duration: November 2023 > October 2026
Project ID: 101135671

OBJECTIVES

The main objective of TrustLLM is the development of an open, trustworthy, and sustainable Large Language Model: LLM, initially targeting the Germanic languages. This will create the foundation for an advanced open ecosystem for next generation modular and extensible European trustworthy, sustainable, and democratized large language models.

The TrustLLM and the surrounding ecosystem will enable, support, and improve context-aware human-machine interaction in a wide range of applications, such as in smart assistants, conversational and dialogue systems, text processing, information extraction, and content generation services.

This ecosystem is based on existing Natural language processing: NLP and LLM initiatives, such as GPT-SW3, OpenGPT-X, SPEAKER, GPT-NL, DFM, NorGLM and will be leveraged by the European AI-on-Demand Platform.

The project will foster LLM technologies to the European AI research ecosystem, academic and industrial, and will maximise the scientific, social, and economical impact while integrating other projects, platforms, and solutions.

EXPECTED IMPACT

IMPACT 1: Development of natural language understanding and interaction in advanced language technologies based on context-aware language models able to further integrate long-term general knowledge and derive meaning in order to develop automated reasoning and enhanced interaction skills.

IMPACT 2: Effective multilingual and bias-controlled language models, capable of learning from smaller language corpora, efficient in computing and respectful of European values (i.e., privacy, non-discrimination, robustness in legal, ethical and technical terms, reliability and trustworthiness, interpretability and explainability, security and safety).

IMPACT 3: AI systems and solutions based on novel multilingual pre-trained language models that have assimilated cross-language and cross-cultural knowledge through textual and speech input.

IMPACT 4: Higher uptake of innovative language technology solutions by European companies, providing extensive language coverage of AI-enabled applications and services in Europe

