KT4D
Knowledge Technologies for Democracy

FACTSHEET #6

Digital Democracy Lab Demonstrator Platform

Hybrid Core develops the software modules of the KT4D Digital Democracy Lab Demonstrator Platform.

This output enables users to (i) upload and store user-provided data, (ii) retrieve the most relevant data from different data sources using Retrieval-Augmented Generation (RAG), (iii) view and apply profiling cases, (iv) propose and use profiling in test cases combined with retrieved data from different data sources, and (v) generate a single-page policy paper and compare policy papers generated using adjusted prompts.

i. Upload and Store Data: You can easily upload your data into the system and store it securely for future use.
ii. Retrieve Relevant Data: Retrieve the most pertinent information from diverse data sources using RAG to enhance the output's accuracy and relevance.
iii. Apply Profiling Cases: View and apply profiling cases to tailor system responses and outputs.
iv. Combine Profiling and Testing: Propose and use profiling in test cases, integrating retrieved data from multiple sources.
v. Generate and Compare Policy Papers: Create a single-page policy paper and compare various policy papers generated by adjusting prompts.

Who is involved in the development process

Hybrid Core creates software modules enabling users to (i) upload and store data, (ii) retrieve the most pertinent information from diverse data sources, (iii) apply profiling cases, (iv) propose test cases, and (v) create single-page policy papers by entering a prompt. Democratic Society (DemSoc) ensures citizen engagement and integration into the Digital Democracy Lab's design. Instytut Rozwoju Miast I Regionow (IRMiR), Trinity College Dublin (TCD), Fundacion Cibervoluntarios (CIB), and Demos Helsinki (Demos) adapt lab components for their specific use cases, considering language, culture, and expertise. KT4D Use Cases' second interaction involves a one-day Digital Democracy Lab experience, transparently constructed and explainable. DemSoc leads, emphasising citizen engagement and ethical AI use. Hybrid Core refines components for diverse user needs. IRMIR, TCD, CIB, and Demos adjust lab parts for their unique use cases' requirements. This enhances civic interaction, fostering democratic debate while mitigating ethical concerns.

Stakeholders

The external stakeholders are policy makers, software developers and CSOs. The inclusive involvement of a variety of stakeholders serves to make the process experimental, innovative and participative, inspiring both new modes of civic engagnement as well as new AI/big data design guidelines and possible business models.

CHALLENGES / Why is it important?

The Digital Democracy Lab Demonstrator is all about using the power of AI and Big Data to enhance how people participate in democracy.

It is about updating and improving how we engage in democratic processes, while still staying true to the effective ways people have been involved in their communities in the past.

Even though there are uncertainties and questions about how AI fits into social sciences, this project is crucial because it shows what AI can achieve in this context. One of the main challenges the KT4D partners face is the handling of individual data collection responsibly, considering privacy concerns. However, the consortium is committed to following ethical guidelines and ensuring that people's personal data is handled with care and respect in compliance with the European Union and National legislative frameworks.

Luckily, from a technical standpoint, processing the data is not a major obstacle. The KT4D project consortium is making it a priority to navigate ethical dilemmas, prioritise data privacy, and harness the full potential of technology.

The objective is to boost democratic engagement and demonstrate that AI can enhance participatory democracy while upholding high ethical standards. Ultimately, the KT4D partners want to prove that AI can play a positive role in making democracy more participatory and inclusive.

Funded by the European Union

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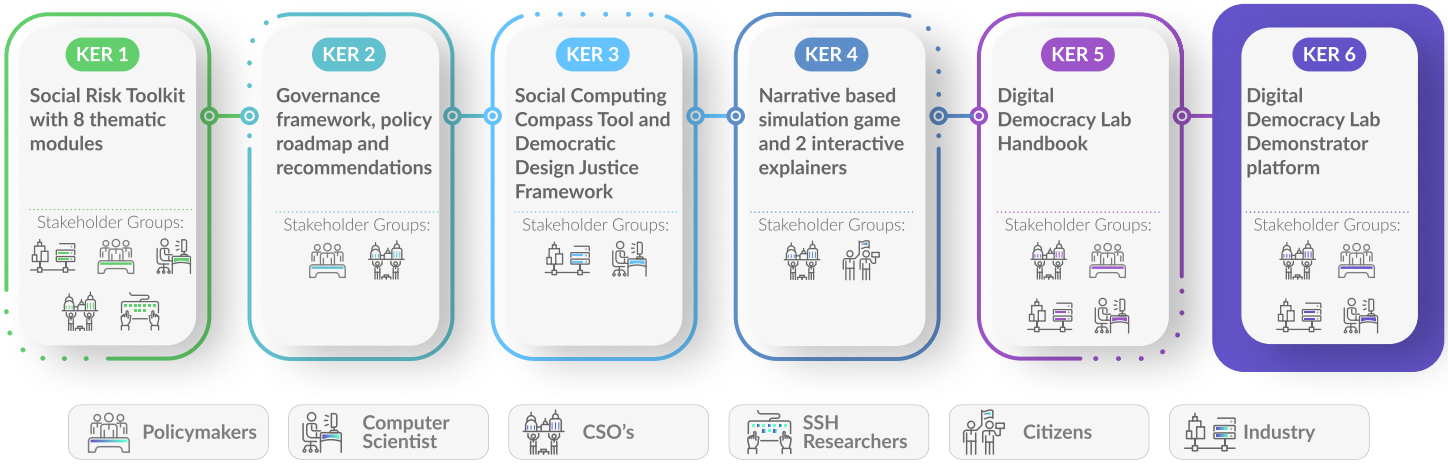
Digital Democracy Lab Demonstrator

Benefits and beneficiaries

The demonstrator deploys AI/big data with the aim of enhancing democratic exchanges in line with established, analogue best practices for civic participation.

Through this work KT4D will use values-based frameworks to enhance existing and nascent laws and regulations (General Data Protection Regulation, AI Act, Data Governance Act, national policies) to inform data governance and support trustworthy and fair use of AI and Big Data. Target Groups: Software developers, policymakers and Civil Society Organisations.



Hybrid Core: Pioneering the Integration of Advanced AI, Big Data, and Secure Decision-Making Technologies to Drive Innovation, Empower Progress, and Shape a Smarter, Sustainable Future While Prioritizing Data Privacy and Ethical Solutions for Communities and Industries Worldwide.

Joseph Vural, Project Manager and HR specialist, coordinates the efforts of Hybrid Core in this KER.

JOIN OUR COMMUNITY

We will publish contents and materials and host webinars to harness the benefits of knowledge technologies to foster more inclusive civic participation in democracy.

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