Funded DFF-for-Research & Development 2025 (1/2)

Audio Anonymizer: Towards Ethical Audio Sharing

We develop a tool that anonymizes voice recordings by removing identifiable vocal features while preserving content, intonation, and emotion. This enables ethical data sharing in research and digital applications, safeguarding speaker privacy without losing crucial expressive information.

Projektverantwortung: Patrick Giedemann (T)

What's my house made of? AI for Urban Mining and Circular Design

Circular Design through advanced AI data collection. The project analyzes demolition sites and develops an AI model to assess the quantity and quality of reusable materials in existing buildings. Using data from demolition sites, we aim to create a MVP for rapid construction and material evaluation.

Projektverantwortung: Guido Brandi (A)

Digital Partizipieren: Potenziale der digitalen Aktenführung im Heim

Das Projekt untersucht digitale Aktenführung im Heim und adressiert bestehende Probleme mangelnder Partizipation und einseitiger Darstellung biografischer Verläufe. Ziel ist, digitale Potenziale für Teilhabe und Erinnerungsarbeit Jugendlicher, die im Heim aufwachsen, zu nutzen und weiterzuentwickeln.

Projektverantwortung: Rahel Bühler (S)

Let's put an end to multiple choice!

Effective student assessment requires individual feedback and grading, challenging for tight lecturer schedules. This project builds on our previous research to create an AI-assisted assessment method. We will build and evaluate our system in practice with actual students and their feedback.

Projektverantwortung: Gerome Laurin Meyer (T)

SimCity Switzerland: A System Dynamics Model for Swiss Municipalities

This project develops a System Dynamics model for Swiss municipalities based on the ZHAW-IVM municipality database. The model enables local governments to simulate policies and understand complex system behaviour, supporting data-driven planning and simulation of municipalities.

Projektverantwortung: Alma Ramsden (W)