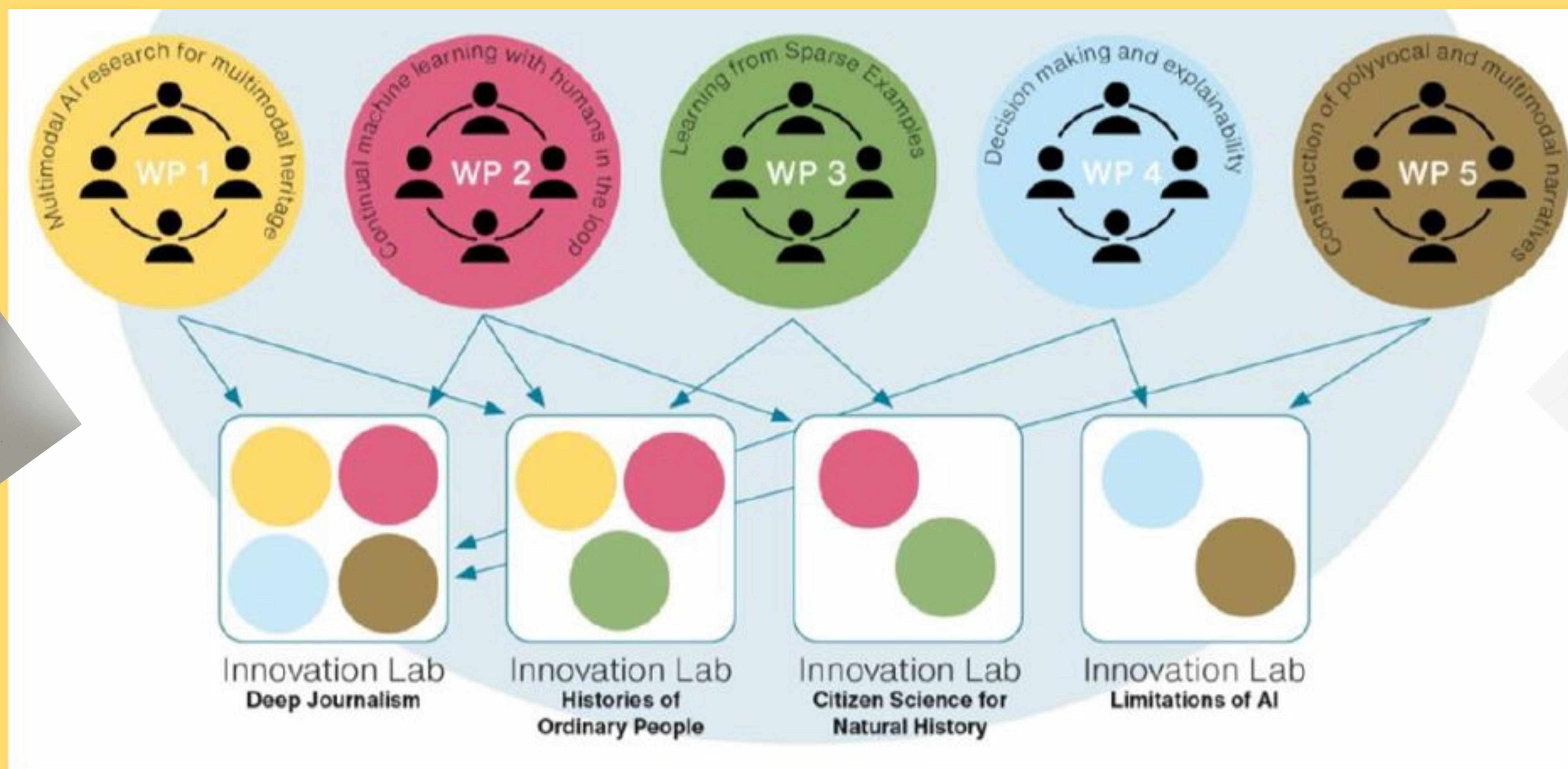


HAICu's Innovation Labs:

Bridging Technology and Heritage through Collaborative Problem-Solving

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The HAICU project in short:

The **HAICu project** (digital **H**umanities and **A**rtificial Intelligence for **C**ultural **H**eritage) develops AI methods for multimodal heritage collections - text, image, audio, and video - together with cultural institutions and societal stakeholders in the Netherlands.

Instead of using technology in heritage practice, the project's **Innovation Labs** address real challenges from the heritage sector, focusing on improving **accessibility, interconnection, and relevance together with diverse audiences - from citizen scientists to journalists**. The Labs function as collaborative problem-solving spaces, where researchers and heritage professionals can work together, encouraging interdisciplinary exchange and supporting sustainable implementation of results.



Four thematic Innovation Labs, each anchored at a major heritage institution:

1. *Citizen Science for Natural History (Naturalis)*:

The Natural History Innovation Lab connects citizen scientists, researchers and AI-tools to study fossils from the North Sea beaches. The goal is to use these fossils to reconstruct biodiversity of the last Ice Ages. That data will allow us to map changes in climate, sea level, and biodiversity.

Natural history and AI experts will develop new forms of recognition and interpretation of Ice Age fossils.

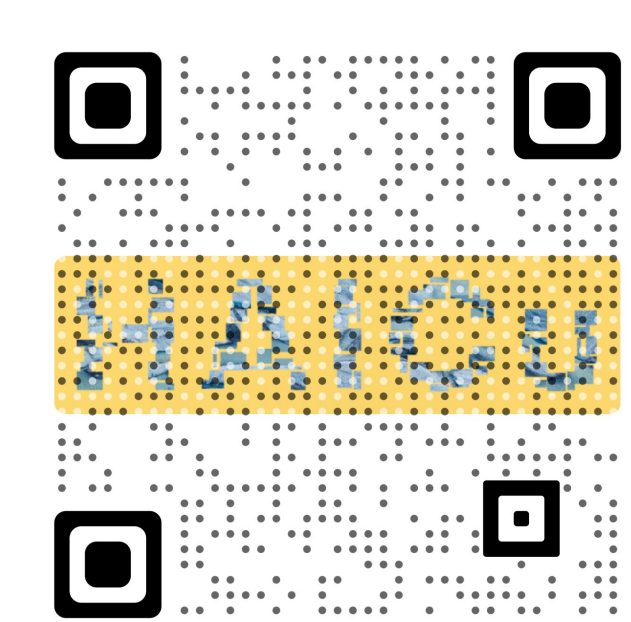
In this Lab, large-scale volunteer involvement enhances the data on which AI models build. This in turn will improve the information we can gather from the fossil records.

Labs in development

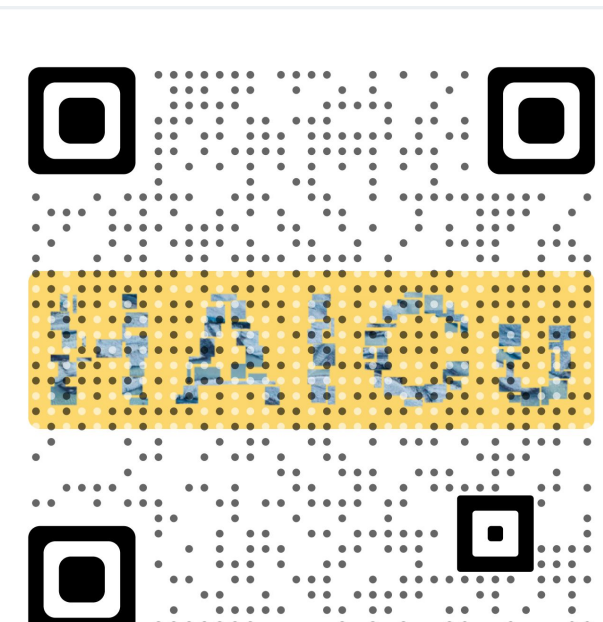
2. *Deep Journalism (Sound & Vision)*: co-creation sessions where journalists, heritage professionals, and researchers explore archival practices and prototype workflows supported by AI.

3. *Ordinary People (Groningen Archives)*: winter school with problem solving for archival issues (e.g. finding certain layout elements) and development of a microtasks-app.

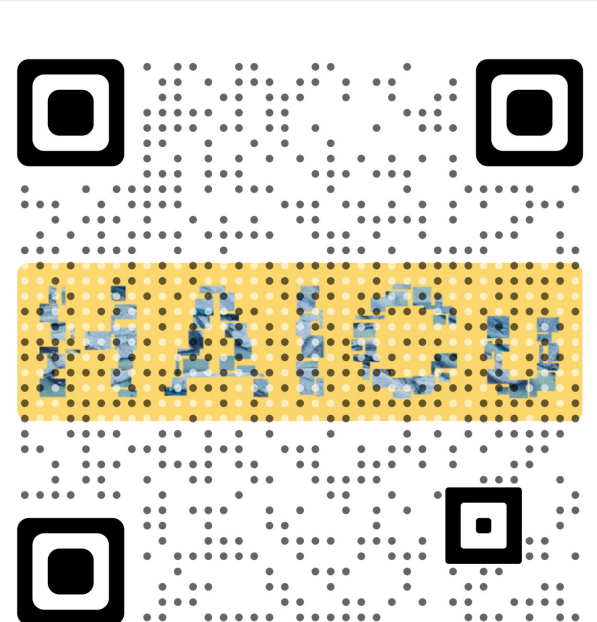
4. *Limitations of AI (KB)*: interactive sessions with heritage institutions and researchers to tackle challenges in automation of processing and data sharing of digital collections.



HAICu website



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