KENOM

Artificial intelligence in museums - indexing collections with the help of AI

Frank Dührkohp
Head Office of the Common Library Network (GBV/VZG)

27th Berlin EVA Conference
TRANSFORM
November 30th 2023
cooperative capture

Museums collect and preserve society's cultural heritage and have large collections with numerous cultural treasures.

The challenge is to be able to preserve and secure these cultural treasures in the long term and at the same time make them accessible for use.
cooperative capture
For this reason, cultural assets are increasingly being digitised. The digitised items need to be indexed in order to make them digitally discoverable. Indexing involves a great deal of work, as the information has to be researched individually and entered manually.
Due to the often limited human and financial resources, this is hardly feasible for museums, making indexing an immense challenge...
Artificial intelligence in museums - indexing collections with the help of AI

database easydb
normed vocabulary
Presentation via goobi-viewer

Artificial intelligence in museums - indexing collections with the help of AI
licences + persistent identifier
export via OAI (LIDO)
Artificial intelligence in museums - indexing collections with the help of AI
so far so good but here is the problem

- **KENOM**
  - 96,043 Objekte Erfassung
  - 37 Einrichtungen
  - 26,427 Objekte Portal

- **Kulturerbe Niedersachsen**
  - 48,556 Objekte
  - 52 Einrichtungen

- **kuniweb**
  - 496,433 Objekte
  - 147 Einrichtungen
  - 127 Kunstschaffende
Pilot project AI in museums

Goals:

• Digitization within museums by institutions for people with disabilities

• Predetermination through AI-supported image recognition
Vision

The project focuses on museums, but the results are also transferable to other cultural institutions such as libraries and archives. The similarity search can be extended to other stamp type objects, such as banknotes, stamps or seals.
The project was funded by Stiftung Niedersachsen, Niedersächsische Sparkassenstiftung, Sparkasse Göttingen, Sparkasse Hannover, Landessparkasse zu Oldenburg, VGH-Stiftung and the Lower Saxony Ministry of Science and Culture.
The project was initiated by the Central Office of the Common Library Network (VZG) and Dataport AöR. A consortium consisting of the Landschaftsverband Südniedersachsen, Lower Saxony’s State museums, my.worX GmbH and Programmfabrik Berlin was formed to implement the project.
The Integration of Numismatic Data into Research Data Infrastructures
Step 2: data analysis
Step 3: data ingestion
Thank You for Your attention

Frank Dührkohp / Sonja Potter
Verbundzentrale des GBV (VZG)
Platz der Göttinger Sieben 1
37073 Göttingen

frank.duehrkohp@gbv.de
sonja.potter@gbv.de