



ni4culture

An AI platform for the data space for cultural heritage

EUscreen Symposium 2024

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Consortium

Partners from the ICT sector

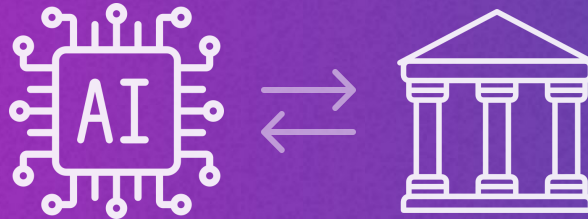
National Technical University of Athens	GR
Fondazione Bruno Kessler	IT
Austrian Institute of Technology	AU
CrossLang	BE
Datable	BE
Translated	IT
Datoptron	GR
Pangeanic	SP

Partners from the CH and digital humanities sector

Europeana Foundation	NL
Katholieke Universiteit Leuven	BE
European Fashion Heritage Association	IT
Netherlands Institute for Sound and Vision	NL

AI4Culture Platform

Online capacity building hub for the application of AI technologies in the CH sector



Barriers to the uptake of AI in the Cultural Heritage sector



Lack and fragmentation of knowledge about how AI can be applied in the CH sector



Limitations of existing tools



Complexities of interconnecting AI tools with other digital components and with the Europeana platform



Lack of labelled datasets for domain adaptation



Difficulty to demonstrate and convince about the benefits of applying AI in the sector

<https://ai4culture.eu/>

ai4culture



AI Tools

Easily reusable and deployable



Open Datasets

Open labelled datasets amenable for training and testing AI models



Upskilling Material

Technical material (e.g. API documentation) and resources for professionals with lower IT skills (e.g. success stories)

Suite of tools




- Focus on a number of scenarios with high interest from CHIs
- Customised, extended, and re-packaged versions of existing tools developed in previous projects
- Offered both as in-house technologies as well as openly available online services
- Can be applied either independently from the Europeana platform or in interconnection with it

AI4Culture

|| TOOL

AI4C Color detection tool



The color detection tool is a web based tool that can detect the type and the color of objects depicted on...


Creator Datable

License MIT

AI4Culture

|| TOOL

OCCAM



Tool for automatically transcribing and translating printed or handwritten documents and automatically...

Creator CrossLang NV (Bel...

License MIT

Open Datasets

Human-validated and -annotated datasets to be evaluated, cleaned, and normalised so that they become amenable for AI training and validation

1

Annotated datasets for multilingual handwritten text recognition

2

Textual metadata with human or human-validated translations

3

Datasets with image annotations

4

Annotated datasets with semantic enrichments

Upskilling Material

Materials

- Inventory of existing AI tools and initiatives
- Q&A section
- Video tutorials; Wikis
- Guidelines and recommendations
- Best practices and success stories

Target Groups

- CHIs and aggregators
- ICT actors (developers, researchers, service providers)
- Researchers (from social sciences, arts history, cultural studies etc) and creatives
- Senior managers, decision and policy makers

Activities

- Workshops with hands-on sessions using the platform and the AI tools
- Hackathon bringing together CH professionals and technology experts
- Requirements selection and evaluation activities
- Conference

Capacity building events

- Mixture of physical and digital events
- 5 workshops with presentations, demos and hands-on sessions using the AI4Culture platform and its tools
- 1 hackathon engaging CH professionals and developers/technology experts on the 12th of February 2025 in Leuven
- International Conference in March 2025 in Hilversum

Register on ai4culture.eu to co-shape the AI4Culture platform!



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<https://www.linkedin.com/company/ai4culture/>



<https://twitter.com/AI4Culture>