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Filmoteka Narodowa
Instytut Audiowizualny

How AI can improve workflows in Film and Audiovisual Archives

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National Film Archive – Audiovisual Institute (FINA)

Digital Preservation – 1 year of digital work at FINA

**150 000 metadata
records / year**

**Estimated~
800 TB - 1 PB of file
data / year**

How can we respond to the growing volume of data with limited processing power?

Why are archives interested in AI based solutions?

- Metadata enrichment – improving metadata quality for better search and reuse
- Increasing the efficiency and speed of data conversion processes
- Improving data handling for preserved audiovisual and film collections

**Interoperable
data
processing**

**Speed of data
processing and
effective support
for Data
Analysts**

**Better sharing
and accessibility
options for
published content**

**Distorted and
biased
information
created with
wrong AI models**

**Safety of used
data**

**Need for a high
level
quality-check for
artificially
generated data**

**Transparency issue for
AI generated data**

Immersed in Culture project by FINA and CSW Z-Ujazdowski

- Implementation of AI-based solutions to the internal workflow – in connection with FINA's MAM System:
 - Face and object recognition tools
 - OCR tools powered by AI solutions
 - Speech-to-text AI enriched tools
- Enrichment of 360 000 data records, especially with descriptive metadata and better tagging
- Increasing accessibility of shared content
 - Via transcripts, subtitles & audio descriptions



Still from the „Man of Marble” by Andrzej Wajda,
photo: Renata Pajchel



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Thank you!

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