Metadata in CHAOS

How researchers tag and annotate radio broadcasts

Marianne Lykke, Aalborg University
Haakon Lund, RSLIS, Copenhagen University
Mette Skov, Aalborg University





LAKIM AUDIO RESEARCH ARCHIVE

- LARM Audio Research Archive
 - Digital research infrastructure for radio and auditory cultural heritage, 2010-2014
 - Funded by the Danish Ministry of Science, Technology and Innovation
- A consortium of 13 Danish research institutions and archives
 - University partners
 - Danish Broadcast Corporation
 - The State and University Library
 - Danish Research Network
 - The Danish Media Museum
 - Roskilde Museum of Contemporary Art

Royal School of Library and

Information Science

University of Copenhagen

Roskilde University

University of Aarhus

University of Aalborg

University of Southern Denmark



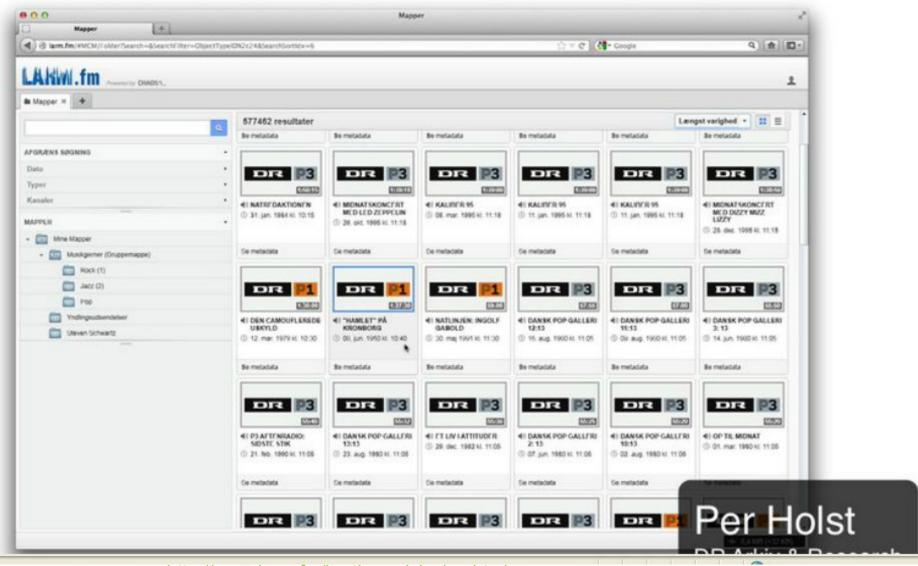
Access to radio broadcast



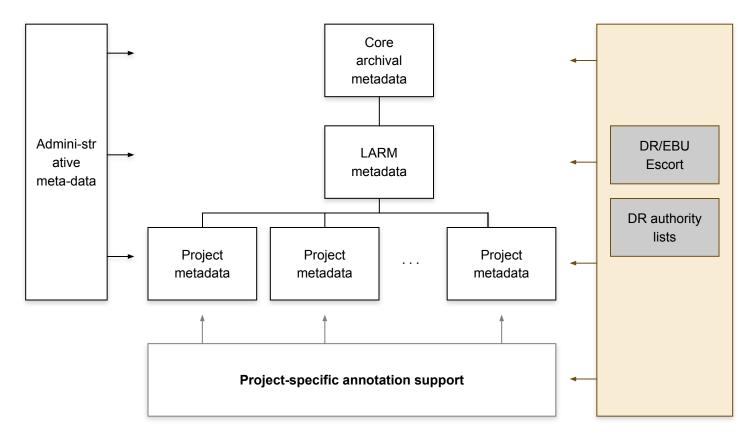
- Challenges:
 - Amount of data, 1+ mill. programme hours
 - Access, technical and legal issues
 - Different archives with different principles for selection and metadata
 - How to search for sound?
- Focus of the present study: how researchers apply the metadata scheme in their research work
- Earlier studies show interesting results on user tagging in the cultural heritage domain (Hollink et al. 2004, Gligorov et al. 2011, Oomen et al. 2010)



RESEARCH ARCHIVE



Implemented metadata schema



(See Lund et al. 2013 and Skov et al. 2012)

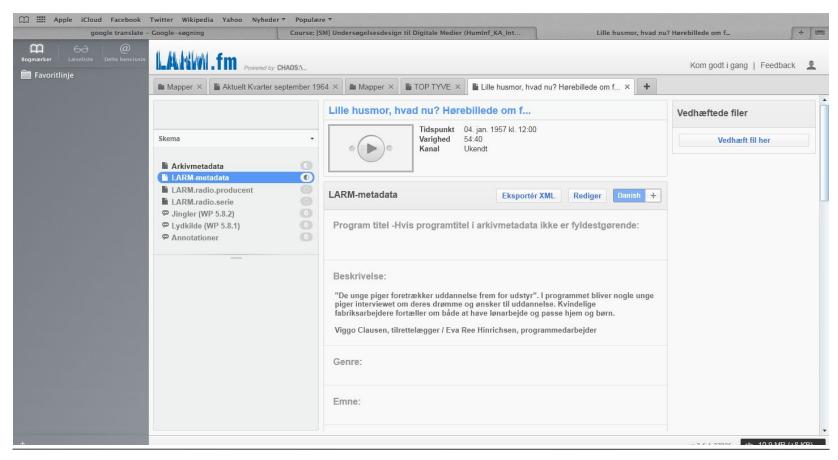


Research question and design

- RQ: How and with what purpose do LARM researchers apply metadata and annotations to radio broadcasts as part of their research work?
- A practice-oriented study focusing on researchers' incorporation, adoption, and adaption of metadata into working practice (Dourish 2003).
- The analysis is based on two studies:
 - A qualitative study of subjects and vocabulary of the applied metadata and annotations and,
 - 5 semi-structured interviews with researchers about their goals for tagging.



Example of a LARM metadata description in Larm.fm



Findings: LARM metadata

- Metadata assigned to 480 broadcasts
- Most frequently to Title, followed by Tag, Genre, Description, and Subject
- Many metadata is often placed incorrectly
- Researchers aim at providing neutral, descriptive LARM metadata
- High level of trust in metadata provided by other users

Findings: Project metadata and annotations

- Project metadata are primarily content metadata
- The Project metadata have several forms, e.g. single terms, transcriptions, citations, long and short annotations, and annotations in form of headlines.
- Applying annotations is intertwined in the individual scholars research process
- Annotations can support the different steps in the research process
- The researchers mainly view their annotations as descriptive and aim at objectivity.



Types of annotations



Types of annotations	Examples of annotations
Indicatative summary	Introduction to broadcast. Mr. Lindum says good evening in English
Informative summary	Talked about his adventures during the 1864 war. Talked again about his missionary work.
Analytical summary	WW2: Wives of Danish soldiers invited by Himmler to visit husbands in Germany.
Sound elements	Car. Door slam. Driving. Speaker voice.
Transcription	Ladies and gentlemen. A new year begins and we leave the old year without sorrow. ()
Incomplete or inaudible broadcast	Error in sound file (loud noise)
Reserch related information	Various test data
Formal composition	Jingle: separator #2 followed by separator #1.

Conclusion

- Tagging in LARM.fm is not collaborative. Instead assigned metadata are individual and research specific
- The main purpose is to administer personal scientific analysis
- A secondary purpose is to apply more general metadata for the benefit of the community
- The primary role of the LARM.fm archive is to provide access to broadcasts and provide tools
- Knowledge organization tools and methods can continuously play an important role in improving the research infrastructure





Thank you for listening

Questions?

Read more about LARM: http://www.larm-archive.org/about-larm/

References

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