Learning on screen: Latest Developments and Current Issues in Audiovisual Metadata Standards

This workshop aims to introduce key concepts around emerging digital technologies for documenting audiovisual collections. While much cataloguing work is based on long established principles of standardisation and interoperability, the documentation of collections can also involve cutting edge and data intensive technologies such as machine learning and computer vision. Acknowledging that no one day course could comprehensively cover these topics in detail, we instead aim to give a flavour of what's technically possible, what may soon be possible and what the practical implications might be for collection managers.

Target audience

The workshop is targeted at archivists and cataloguers in production companies, HE librarians and learning resource officers and IT managers responsible for moving image content. It is intended to be of particular interest to those wishing to either create or further develop an existing digital video collection.

Learning outcomes

By the end of this workshop attendees are expected to be able to:

- Assess the importance of metadata modelling from a personal perspective, with a particular focus on the role of metadata aggregation in federated initiatives
- Understand the fundamentals of linked open data and identify some of the benefits and drawbacks of exposing metadata as linked open data
- Appreciate how the general concepts of linked open data might be applied more specifically to digital video resources
- Grasp the basics of automated metadata generation from digital video, by making use of computer vision and machine learning based tools
- Understand that automation technologies are still developing, albeit at an accelerated pace, and so can have significant limitations when they are applied in real world situations
- Have knowledge of how Digital Object Identifiers can be used to formally cite digital audiovisual resources

Time	Activity	Activity type	Duration
10.00	INTRODUCTION Overview of the day's schedule Who is the workshop for? What will we be focusing on? Discussion of individual and group motivations	Presentation, group discussion	45min
10.45	METADATA MODELLING Overview of approaches to modelling Presentation: content sharing infrastructures & federated repositories Exercise: OAI-PMH querying the Library of Congress catalogue followed by group discussion Exercise: Identifying metadata strengths - group discussion	Presentation, practical activity, group discussion	60min
11.45	BREAK		15min
12.00	LINKED OPEN DATA Presentation - linked data Exercise: Linked data ontologies Exercise: Ontologies group discussion	Presentation, practical activity, group discussion	45min
12.45	LUNCH		60min

1.45	LINKED OPEN VIDEO DATA Presentation - linked open video data Exercise: HTML5 video testing	Presentation, practical activity	60min
2.45	BREAK		
3.00	AUTOMATED METADATA EXTRACTION Presentation - automated metadata Exercise: Automated metadata extraction tool testing	Presentation, practical activity	90min
4.30	ROUND UP Recap Future plans	Presentation, group discussion	30min
5.00	END		