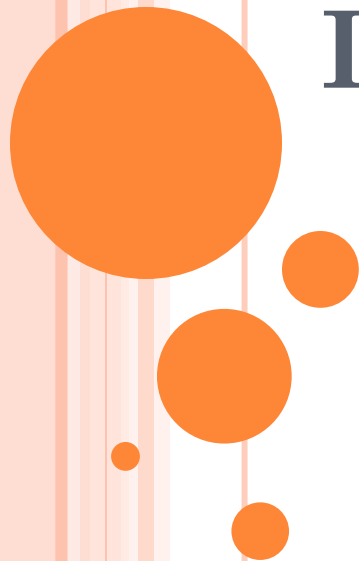


ALCTS
Metadata Interest Group
22 January 2012

**VIDEO METADATA
@ CORNELL:
IMPLEMENTING KALTURA**

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KALTURA

OPEN SOURCE VIDEO STREAMING PLATFORM

- Campus-wide deployment
 - CornellCast (cornell.edu/video/)
 - Lab of Ornithology (birds.cornell.edu/)
 - Blackboard
 - &c.
- Library Instance
 - Work-in-progress



KALTURA

OPEN SOURCE VIDEO STREAMING PLATFORM

- Library provided metadata field-sets:
 - Cornell-wide baseline
 - CUL extended
- Library developed specific use cases



CORNELL'S VIDEO PROJECTS: SOME EXAMPLES

- Müller-Kluge
 - Interviews, well-chaptered & described
- Experimental Television Center
 - Video Art
 - Multiple, (ir- &)related pieces per recording



CORNELL VIDEO METADATA: ELEMENTS OF CONCERN

- Distributed
 - Campus, library & non-Cornell platforms
- Structural Elements
 - Time codes / chaptering
- In-depth segment-level description
- Caption/Transcription (in multiple languages)
 - Current player can switch languages



FIELD-SET: BASELINE

<Title / >

<Description / >

<Categories / >*

<Keywords / >

<CreationDate / >

<Creator / >

 <CreatorLastName / >

 <CreatorFirstName / >

 <CreatorRole / >*

 <CreatorNetID / >

<ContributingUnit / >*

<Language / >*

<Rights / >

Note: formatting & inner-text of these tags does not necessarily reflect that within Kaltura's

*Controlled Field



FIELD-SET: CUL EXTENDED

<Identifier />

<AlternativeTitle />

<Subject />

<Location />

<OriginalFormat />

<SoundType />

<ColorType />

<RecordingNote />

<Collection />

<AccessionNumber />

<Repository />

<ContainerText />

<DigitizationSteps />

<HardwareSoftware />

<MasterFileFormat />

<DerivativeCopy />

<CaptionURL>

<TimeCodeURL>

<ChapterDescription>

Note: formatting & inner-text of these tags does not necessarily reflect that within Kaltura's



FIELD-SET: AUTO-CAPTURED

<Bitrate />

<Framerate />

<Filesize />

<VideoDuration />

<AudioDuration />

<Width />

<Height />

<FileFormat />

<SourceCodec />

<UploadDate />

<LastModifiedDate />

<Thumbnail />

<AssetInternalFlavorsURLs />

<VideoDownloadURL />

<AudioDownloadURL />

Note: formatting & inner-text of these tags does not necessarily reflect that within Kaltura's



CONTROLLED VOCABULARIES

- Kaltura CV – [not easily extensible]
 - Only controlled in baseline fields
- <CreatorRole />
- <Categories />
- <Language />
- <ContributingUnit />
 - Kaltura – VIVO – Kual



KALTURA: METADATA CONCERNS

- Nested Elements
 - unable in Kaltura, currently
 - <CreatorLastName><CreatorFirstName><CreatorRole><CreatorNetID>
- Non-Repeatable
- No underlying *common* schema
 - .xsd per instance
- Harvestability



PBCORE 2.0

- Can crosswalk, if ever needed / available
- `<pbcorePart>...</pbcorePart>`
- URI attributes



URIs

- Why needed:
 - Batch embed code
 - Traditional arguments



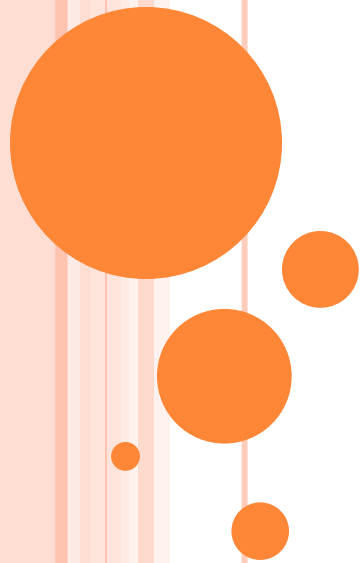
WHAT IS NEEDED?

- Multi-level, hierarchical / structural description
- Integration with DSpace (ecommons.library.cornell.edu)
- Incorporation with discovery environment (Summon, &c.)
- *Integration* with digital archival repository
- Aggregated management of video assets



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THANK YOU!



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