VIDEO METADATA @ CORNELL: IMPLEMENTING KALTURA

Jason Kovari
Metadata Librarian
Cornell University
jak473@cornell.edu
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
KALeTURA
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**

```xml
<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 – Kuali
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
Why needed:
- Batch embed code
- Traditional arguments
WHAT IS NEEDED?

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

Jason Kovari
Metadata Librarian
Cornell University
jak473@cornell.edu