

CMML: Activity

- Project aim:
 - Streamable metadata for Ogg files
 - Hyperlinks (“Continuous Media Web”)
- Features:
 - Separation of content and presentation hints
 - Specification for retrieving CMML table-of-contents over HTTP



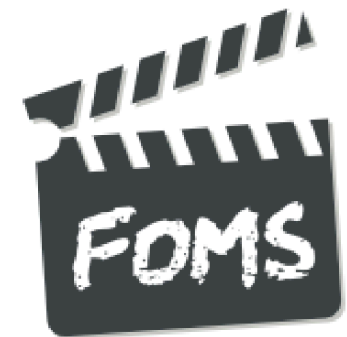
CMML: Challenges

- There is a large demand for handling subtitles
 - It is important to correctly differentiate between captions, transcripts and subtitles
- Temporally overlapping metadata
 - Muxing CMML “<track>”s into separate Ogg logical bitstreams works, but you lose information of which data is common across tracks



CMMML: Support

- Projects that write CMMML:
 - libcmml, libannodex: mod_annodex etc.
 - OggCodecs
- Projects that read CMMML:
 - oggplay
 - xine, vlc, gstreamer
 - anxrip, anxgrep etc.



CMML: Next Steps

- Define handling of captions, subtitles, and transcripts
- Stylesheets for layout of supers / subs
- Create tools for multi-language support
- Encourage support in more browsers and players

