



**foaf:workplace**  
Homepage

**dc:contributor**



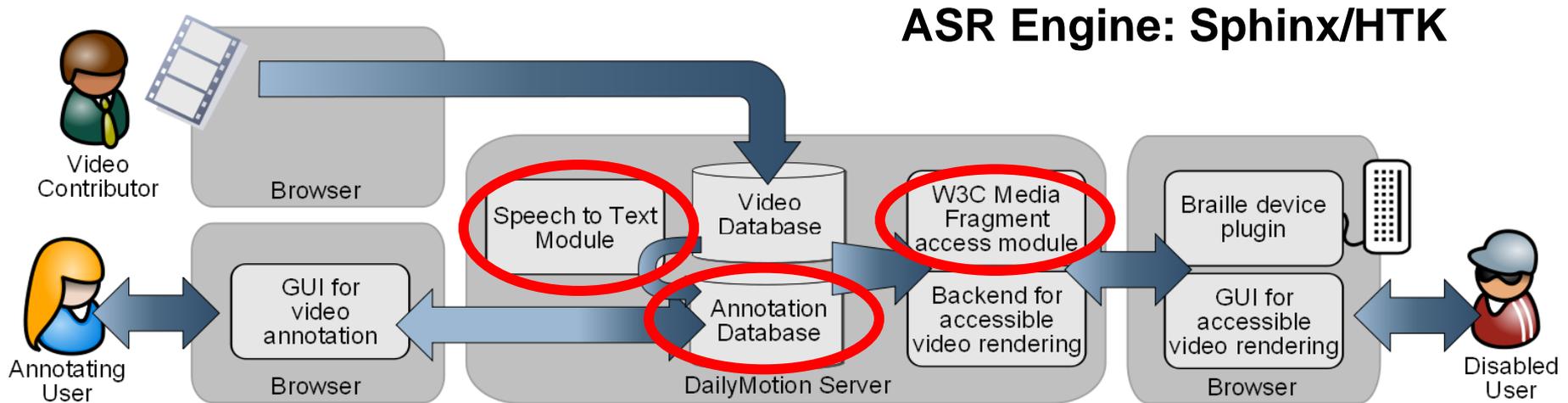
**foaf:current**  
Project

**foaf:interest**

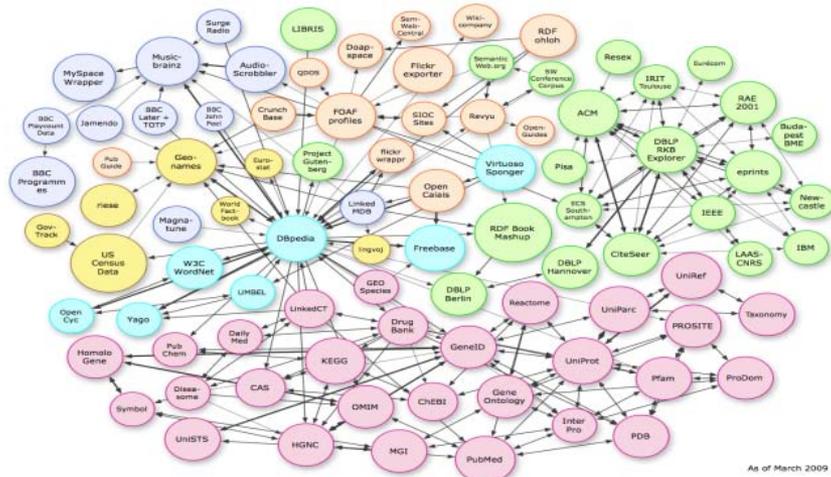


Semantic: Ontology Engineering, KR  
Web: Web of Data, Social Media, Web Science  
Multimedia: metadata format, interoperability  
Human-Computer Interaction: Interface, Design

# ACAV: Collaborative Annotation for Video Accessibility



## ASR Engine: Sphinx/HTK



- **NER + full text index with the transcription**
- **Interlinking with the Linked Data Cloud to enable semantic search**



# Demo: <http://semantics.eurecom.fr/acav/>

ACAV Captions Service

ACAV

dgcis

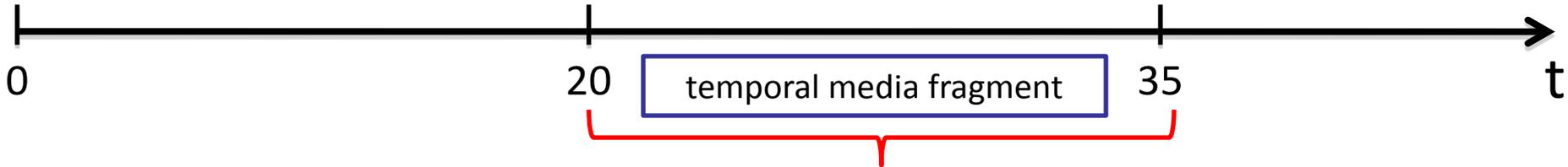
Home Download Annotate Play

01:45 dans ce domaine  
01:47 ce jeune cadre  
01:48 jeudi le texte  
01:50  
01:53 dans un fief  
01:55 ces joueurs  
01:56 j'ai plein de choses  
01:58 on  
02:00 est  
02:00 rennes

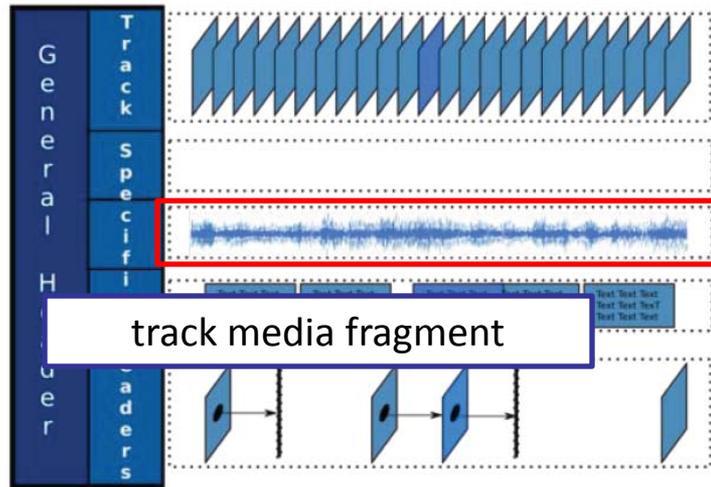
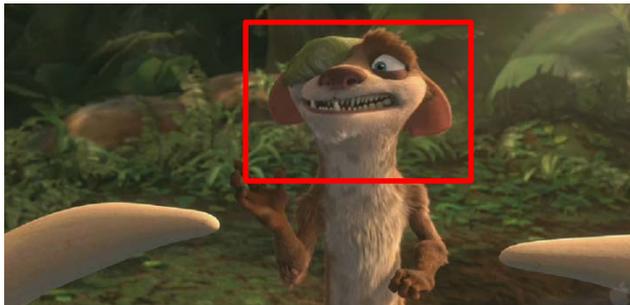
View Mode  Edit Mode

<http://acav.eurecom.fr>, EURECOM, 2010  
Collaborative Annotation for Video Accessibility" (ACAV) is a project supported by the French Ministry of Industry (Innovative Web call) that aims to develop a collaborative annotation tool for the manual correction of automatically derived transcriptions and for the enriching of content with semantic metadata.

# What are Media Fragments?



spatial media fragment



Example VIDEO Track  
(Constant Frame Rate)

OTHER Tracks Types  
(Further tracks possible)

Example AUDIO Track  
(Constant Sampling Rate)

Example TEXT Track  
(Discontinuous,  
Overlapping in time)

Example IMAGE Track  
(Discontinuous in time)

# Media Fragments (temporal) + Demo



Original resource length

Fragment beginning

Playback progress

Fragment end

# Challenges

- **Generate multimodal presentation of annotated content**
  - Subtitles / Surtitles / Close captioning
  - Braille output / Auditory icons / Audio description
- **Provide a URI-based mechanism for retrieving part of an image or a video on the web**
  - How to modify a video element which is **not** embedded in a web page? How to attach custom playback controls?
  - How to render a spatial fragment?
  - How to get Media Fragments URI work on other browsers? Natively?

