
VideoCLEF

Classification of Dual Language Audio-Visual Content

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Goals of VideoCLEF

- Promote research on intelligent access to multilingual video collections
- Encourage exploitation of:
 - speech transcripts (2008)
 - video metadata (2008)
 - visual features (concepts)
 - audio features (event detection)

2008 Subtasks

Classification Task (Main Task)

- Assign videos to thematic classes

Translation Task

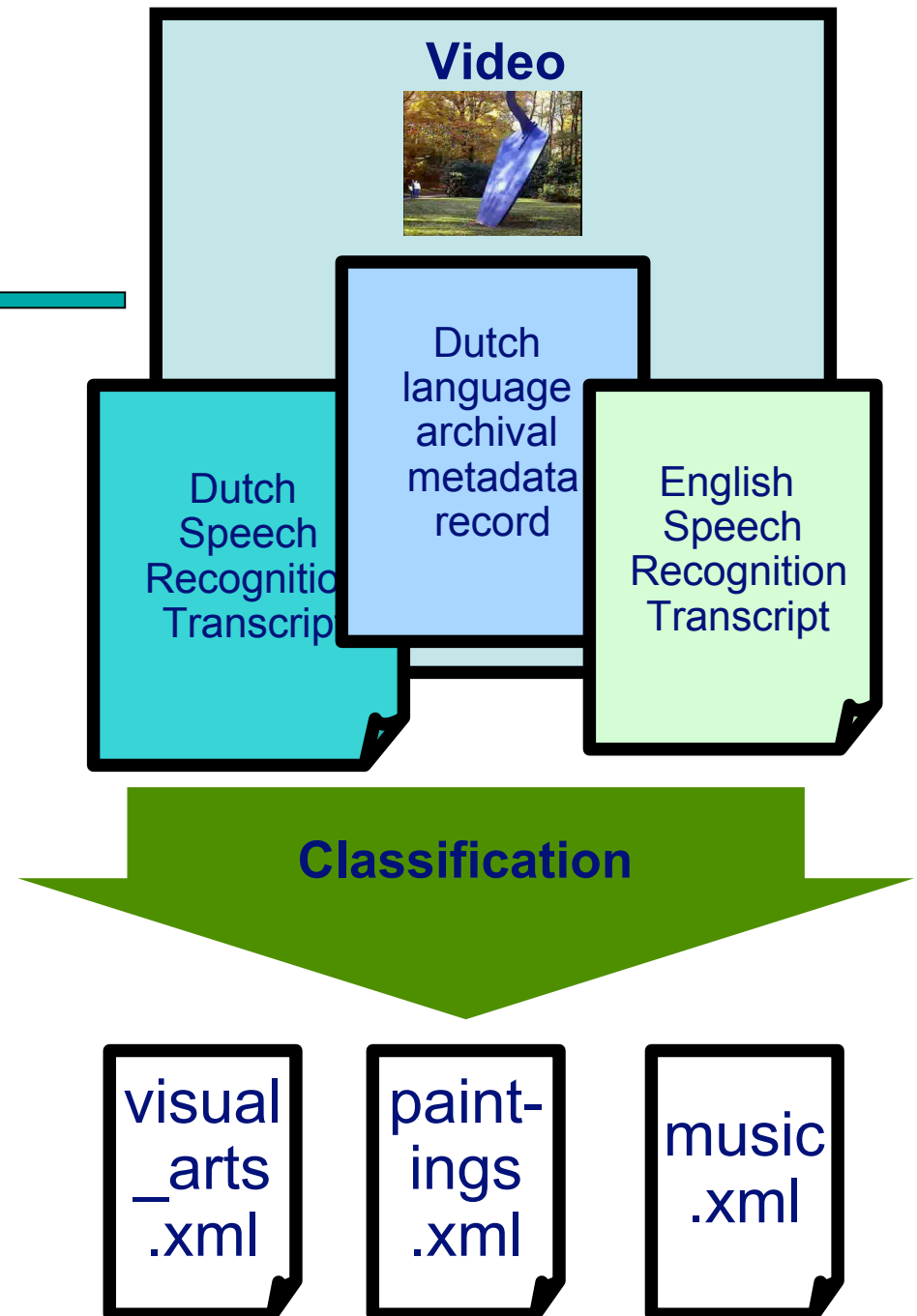
- Translate output RSS-feeds (e.g., into English)

Keyframe Extraction Task

- Select a keyframe to provide a semantic representation of the entire video

Classification

- Continue in 2009
 - Well motivated
 - Room for improvement
 - Ground truth available
- Changes in 2009
 - More data
 - More languages
 - Provide training data
 - More labels
 - Encourage visual features



Keyframe Extraction

- Probably continue in 2009
- Use multiple keyframes per video
- Personalized/query-biased keyframe extraction
- Need to develop an evaluation method

New: Affect and Appeal I

- Classify video with respect to characteristics other than semantic content
- Use for browsing, for pivots, as priors, as Art
- Exploit speech, concepts, audio events, metadata
- Start with a simple task

New: Affect and Appeal II

- **Input:** Sets of 3 videos belonging to the same thematic subject class (i.e., Opera)
- **Output:** For each video triplet, identify the video that users are most likely to mark as "boring", "outdated" or "superficial"

Other New Tasks

Quote Retrieval

Example topics:

`<description>Some one speaking in Italian about supporting Mussolini</description>`

`<quote language="Italian">I supported Mussolini</quote>`

Finding related resources

Background material supporting understanding of a video