# A Study of Narrative Creation by Means of Crowds and Niches
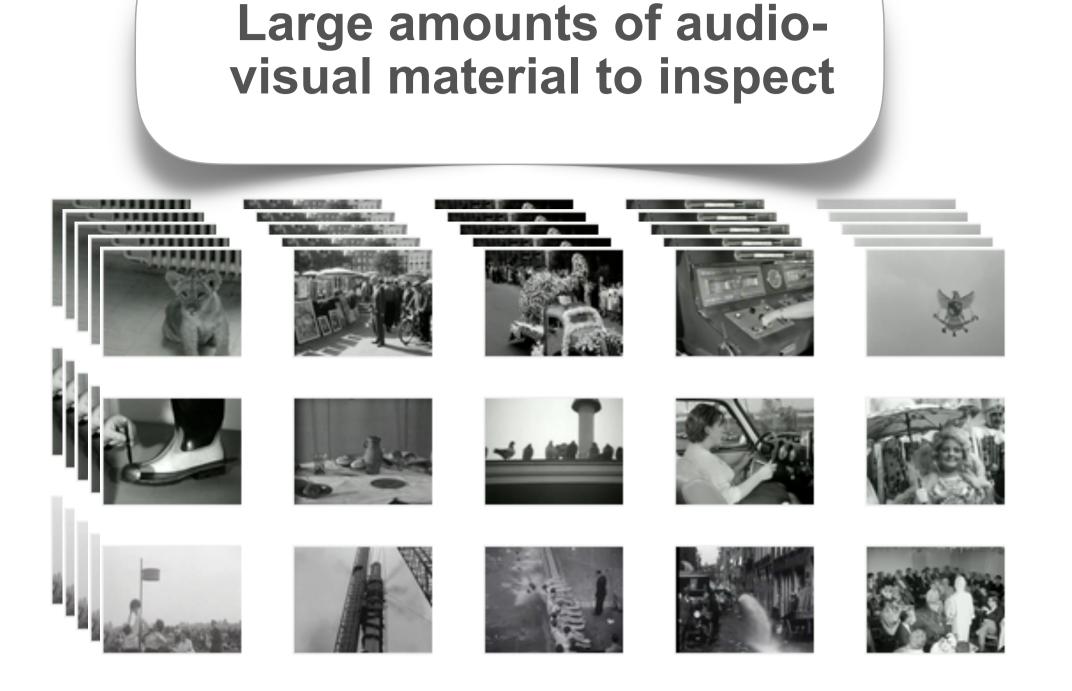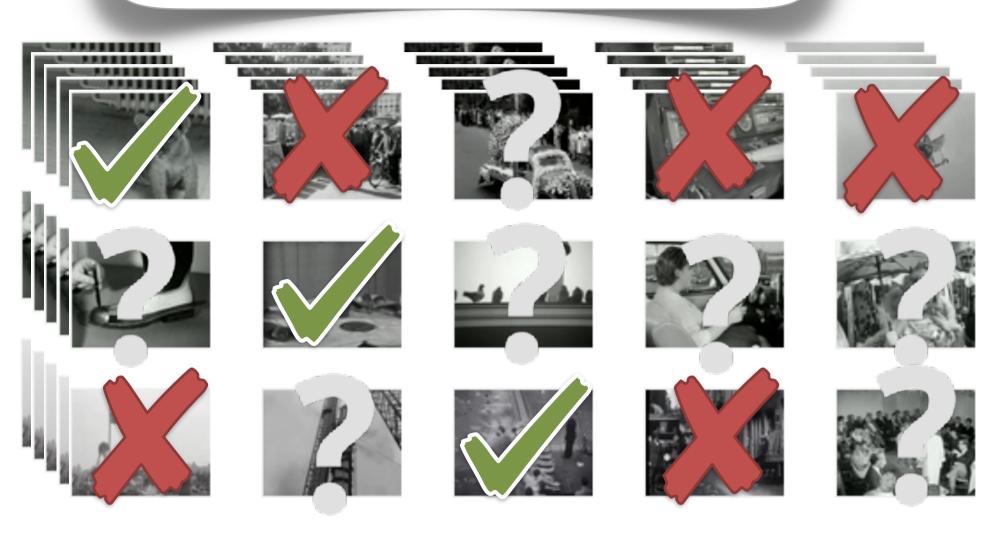
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## REMIXING AUDIO-VISUAL ARCHIVES INTO NARRATIVES

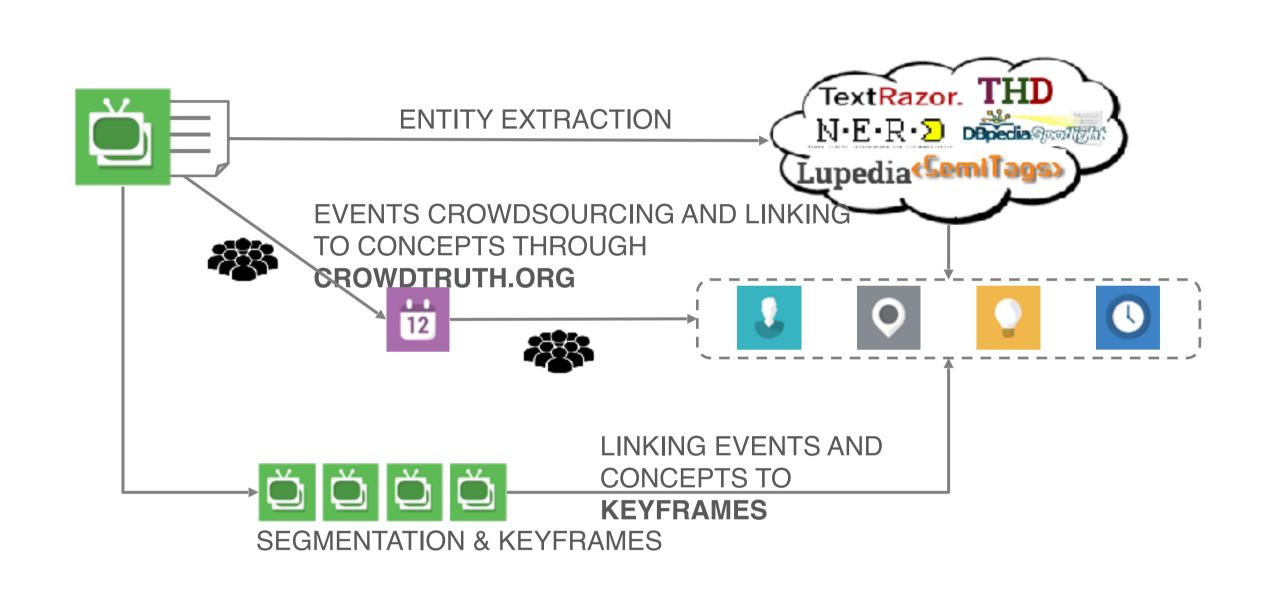Large amounts of audio-visual material to inspect

Assessing the relevance of a video is a difficult and time consuming process.

Audio-visual material miss fine-grained semantics such as: what? where? when? who? how?

## CROWDSOURCING PROTO-NARRATIVES IN VIDEO DESCRIPTIONS



ENTITY EXTRACTION

TextRazor. THD N·E·R·D DBpedia Spotlight Lupedia SemiTags

EVENTS CROWDSOURCING AND LINKING TO CONCEPTS THROUGH CROWDTRUTH.ORG

LINKING EVENTS AND CONCEPTS TO KEYFRAMES

SEGMENTATION & KEYFRAMES

- HYBRID CROWD-MACHINE PIPELINE FOR EVENT EXTRACTION AND ENTITY LINKING
- AUTOMATIC MACHINE ENRICHMENT THROUGH VARIOUS NAMED ENTITY RECOGNITION TOOLS
- CROWD-DRIVEN CURATION OF MACHINE ENRICHMENT
- CROWD-DRIVEN ENRICHMENT WITH EVENTS AND LINKS BETWEEN EVENTS AND PARTICIPATING ENTITIES

CrowdTruth
The framework for crowdsourcing ground truth data

**CROWDTRUTH.ORG**

## NICHESOURCING NARRATIVES IN DIGITAL HUMANITIES

- **DATASET:** AMSTERDAM RELATED VIDEOS FROM THE NETHERLANDS INSTITUTE FOR SOUND AND VISION
- **PARTICIPANTS:** INTERNATIONAL HUMANITIES MASTER STUDENTS
- **TASK:** EXPLORE THE AV MATERIAL AND CONSTRUCT OVERARCHING MICRO-STORIES IN THE SHAPE OF SEQUENCES OF GIFS

- From Destruction to Improvement -
Experiencing the space through contrasting crowds and emotions



| | | | |
|---|---|---|---|
| Topics | riot, protest, vandalism | protest, police violence | littering, polluted city | painting buildings, working together for the city |
| Keywords | anger, destruction | fear, crowd | mess, pollution, lifeless | community, collaboration, neighbourhood |

## EXPLORATORY-BASED NARRATIVES



DIVE:MEDIA OBJECT  SEM:EVENT  OA:ANNOTATION  SEM:PLACE  SKOS:CONCEPT  SEM:ACTOR  SEM:TIME

- FINE-GRAINED VIDEO SEMANTICS (KEYFRAME OR VIDEO FRAGMENT LEVEL) PLAY A CRUCIAL ROLE IN THE NARRATIVE CREATION PROCESS
- THE ORIGINAL TEMPORAL SEQUENCE OF THE VIDEO IS NOT RELEVANT WHEN REMIXING VIDEO FOOTAGE FOR CREATIVE STORYTELLING
- EVENTS AND OBJECTS ARE THE MOST RELEVANT SEMANTICS WHEN BUILDING NARRATIVES
- GENERAL VIDEO METADATA OR PROFESSIONAL VIDEO TAGS PLAY A LESS MEANINGFUL ROLE COMPARED TO CROWDSOURCED IMPLICIT AND EXPLICIT VIDEO CONCEPTS AND PERSPECTIVES

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