Cluster of Excellence
ASIA AND EUROPE
IN A GLOBAL CONTEXT

UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

Workshop:
Annotation of audio-visual data

Matthias Arnold | Heidelberg University | HCH19 | 2019-07-17

Centre for Asian and Transcultural Studies

Foto: © Rothe / RNZ 16.05.2019

https://cats.uni-heidelberg.de

Video annotation systems - Requirements

Group work

- What is video annotation?

- What should it do (for you and in general)?
- What do you expect?

- Form groups and note down keywords (no sentences)

A diverse field

Linguistic analysis: *ELAN, ANVIL, Advene, EXMARaLDA*

Media institutes/Archives: *LinkedTV, MediaGlobe*

E-Learning, Portals: *Catool, AAV/Opencast Matterhorn, Alexander Street*

Streaming Plattforms: *Kaltura, (AV Portal)*

Music/Performance: *trAVis, MyStoryPlayer, PM2GO*

Video: *Mediathread, Pan.do/ra*

Interactive storytelling: *Klynt, HyperImage*

Subtitling: *Speedtrans, DotSub*

Service based analysis*: Semex, Videana*

=> All tools offer annotation functions; most are tailored for specific tasks; no one-for-all solution.

Arnold, Wübbena, Decker 2014

N	O	P
notes	**Self-statement (from website)**	**developed by**
cf. pan.do/ra	Movie database with full text search within movies, and instant previews of search results.	
entwine + SWITCH; based on and for the open source media capture platform Matterhorn, player adapter API on GitHub: https://github.com/entwinemedia/annotations/	Since January 2012, Entwine has collaborated with SWITCH on the Annotating Academic Video (AAV) project with the goal of creating a standardized, open and flexible tool/framework to enable Swiss University faculty, staff and students to annotate video across a mix of platforms including players, video management and learning management systems.	Entwine; funded by SWITCH, the S research and education network org
	It aims at providing a model and a format to share annotations about digital video documents (movies, courses, conferences...), as well as tools to edit and visualize the hypervideos generated from both the annotations and the audiovisual documents.	
HyperVideo, on GitHub: ht		ersity Claude
qualitative so		, Lehrstuhl Ro
Crossmedia SPARQL		Technologies
client/server		hic Video for In l Archive Proje iversity of Mich
originally dev		12
TIB Hannove		for Non-Textua ary of Science nover) and Has
on GitHub, P		chnology Grou
	browser based, one-stop, self contained system for creating and viewing subtitles for videos in multiple languages across all platforms. developed own player for embedding Watch videos with subtitles in any language, •upload your videos, •create your own subtitles; free basic version, also enterprise solution	Dotsub
	create, edit, visualize and search annotations for video and audio data language, sign language, and gesture	ycholingu Nijmegen

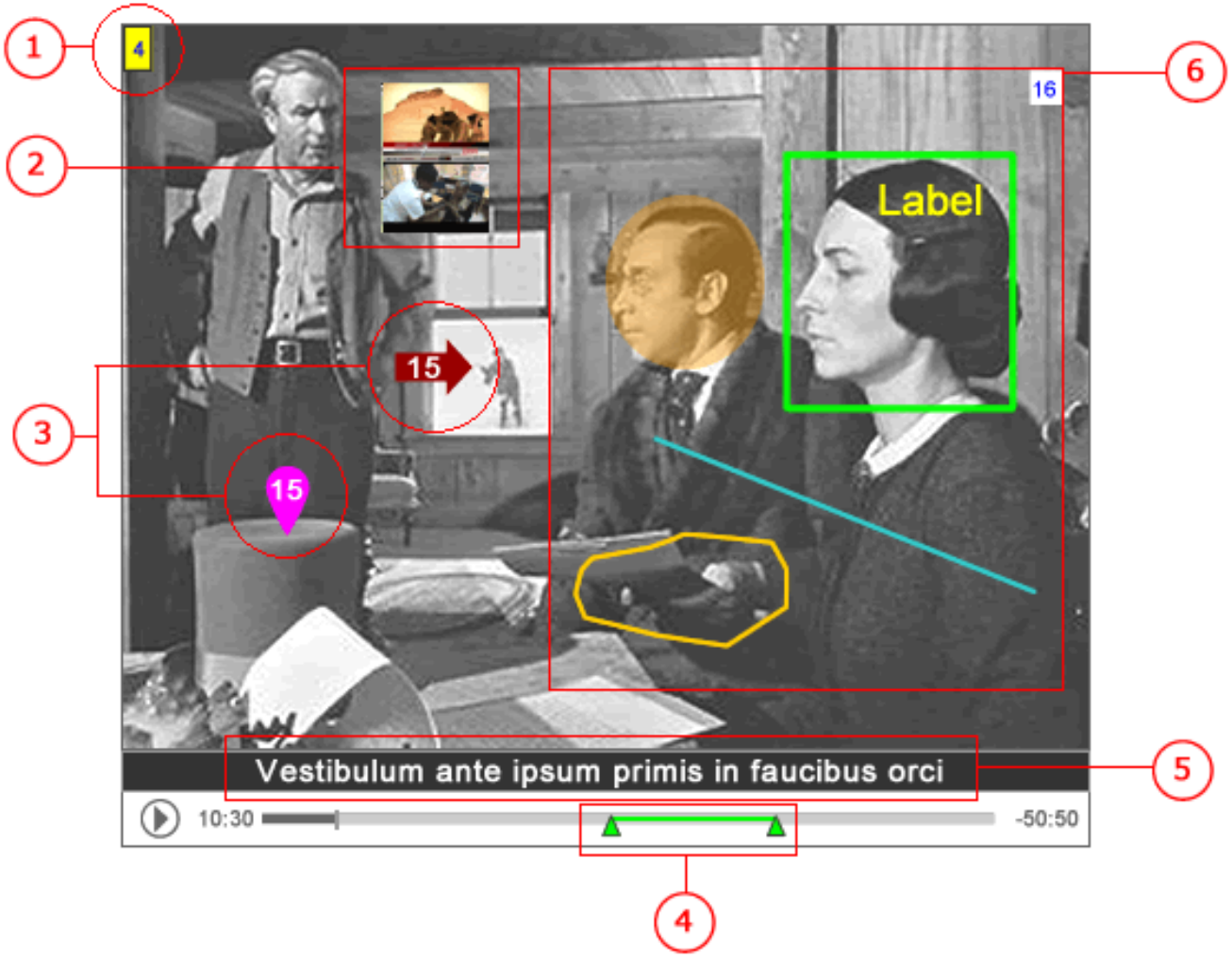
List of 50+ programs/platforms related to video annotation

References used

Bamboo	http://dirt.projectbamboo.org/tags/video	2011-12
Harvard	http://www.annotations.harvard.edu/icb/icb.do?keyword=k80243&pageid=icb.page466612	2010
Jost et al. 2013	Jost, Christofer, Daniel Klug, Axel Schmidt, Klaus Neumann-Braun, and Armin Reautschnig. Computergestützte Analyse von audiovisuellen Medienprodukten. Qualitative Sozialforschung 22. Springer Fachmedien Wiesbaden, 2013. http://link.springer.com/book/10.1007%2F978-3-531-19459-2.	2013
Linked TV	LinkedTV, Evlampios Apostolidis, Michail Dimopoulos, Vasileios Mezaris, Daniel Stein, Jaap Blom, Ivo Lasek, et al. State of The Art and Requirements Analysis for Hypervideo. Pdf. LinkedTV - Television Linked To The Web, September 30, 2012. http://www.slideshare.net/linkedtv/linked-tv-d11state-of-the-art-and-requirements-analysis-for-hypervideo.	2012
UCLA-KB	http://kb.ucla.edu/articles/video-annotation-tools	28.04.2009

Access (please comment / expand!): http://bit.ly/1oUYPNH

Arnold, Wübbena, Decker 2014



1 – Annotation of entire video
2 – Sound visualisation (detail highlights)
3 - User-defined custom annotation markers
4 - A time range for each annotation
5 - Automatic captioning of spoken word as baseline annotations
6 - Overlays of user-generated annotation:
• graphics for basic shapes
• stroke and fill properties
• short text tags with formatting
• placement and positioning of graphic objects should be dependent upon the graphed waveform and zooming level
[MA: Text altered]

Requirements of a Video Annotation System (Annotations at Harvard, 2010)
http://www.annotations.harvard.edu/icb/icb.do?keyword=k80243&pageid=icb.page

More recent developments

Type	Domain in which the tool originated	Tools[a]	Film/TV studies reporting use of these tools
Professional video annotation tool	Communication studies/linguistics	ANVIL,* ELAN,* EXMARaLDA*	b,c
	Computer science (discipline agnostic)	YUMA	Not found
	Education/research (several domains)	Advene, Clipper*	Not found
	Film/media studies	Cinemetrics,* Lignes de temps, Videana	d,e
	Oral history	OHMS: Oral History Metadata Synchronizer*	Not found
	Performative arts	Rekall,* PM2Go*	Not found
QDA software	Social sciences	Atlas.ti,* MaxQDA,* NVivo,* Transana*	f
Nonlinear editing systems	Media production	Adobe Premiere ProCC*[g]	h
Automatic image and video analysis tools	Information and computer science, media studies, scientific domain	ImageJ,* MATLAB*	i,j,k,l
Audiovisual collection–specific browsers and/or web publishing platforms[m]	Film/media studies	YouTube,* LinkedTV Editor Tool,* MyEUscreen,* Semantic Annotation Tool (SAT),* MediaThread,[n] INA Video Dataset for Research,* CLARIAH MediaSuite*	o,p
Customized applications for crowdsourcing projects	Information sciences, cultural heritage	Waisda	q,r

Estrada et al. “Film Analysis as Annotation: Exploring Current Tools” In: *The Moving Image*, 17.2 (2017), p. 40–70.

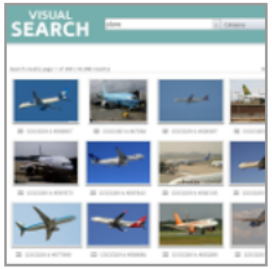
Software

New & Popular

VGG Face Finder
A web-based engine for running on-the-fly face searches over user-defined datasets.

You said that?
Synthesising talking faces from video.

VGG Image Annotator
An standalone image annotator application packaged as a single HTML file (< 200 KB) that runs on most modern web browsers.



VGG Image Classification Engine
A web-based engine for running on-the-fly image classification queries over user-defined datasets.

VGG Image Search Engine
A standalone application that can be used to make a large
by using image regions as
query.

VGG Face Descriptor
Software to train the VGG face network. The software contains
Cascade DPM based face detector
descri
2015

Lip synchronisation
Software for correcting lip sync

Personalizing Human Video Pose Estimation

https://www.robots.ox.ac.uk/~vgg/software/

Distant Viewing Lab

PAPERS

Distant Viewing: Analyzing Large Visual Corpora

Visual Style in Two Network-Era Sitcoms

SOFTWARE

Distant Viewing Toolkit (DVT) for Moving Images

TUTORIALS

Deep Learning for Analyzing Large Image Corpora

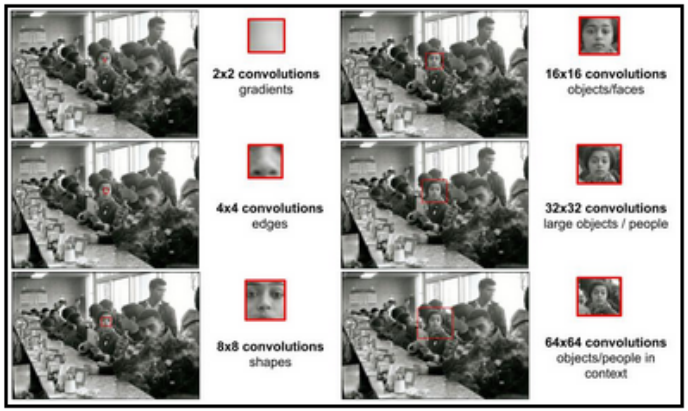
HILT2019: Image Analysis with Deep Learning

With support from:

NATIONAL ENDOWMENT FOR THE HUMANITIES

RICHMOND

Distant Viewing with Deep Learning: An Introduction to Analyzing Large Corpora of Images



Original image: [Dany Lyon. "Atlanta, Georgia. A Toddle House sit-in." (1960)]

This page contains materials related to the workshop that Taylor Arnold and Lauren Tilton gave at CMU and DH2018 - Mexico City. All of the materials for the workshop are available here. The abstract for the workshop is as follows.

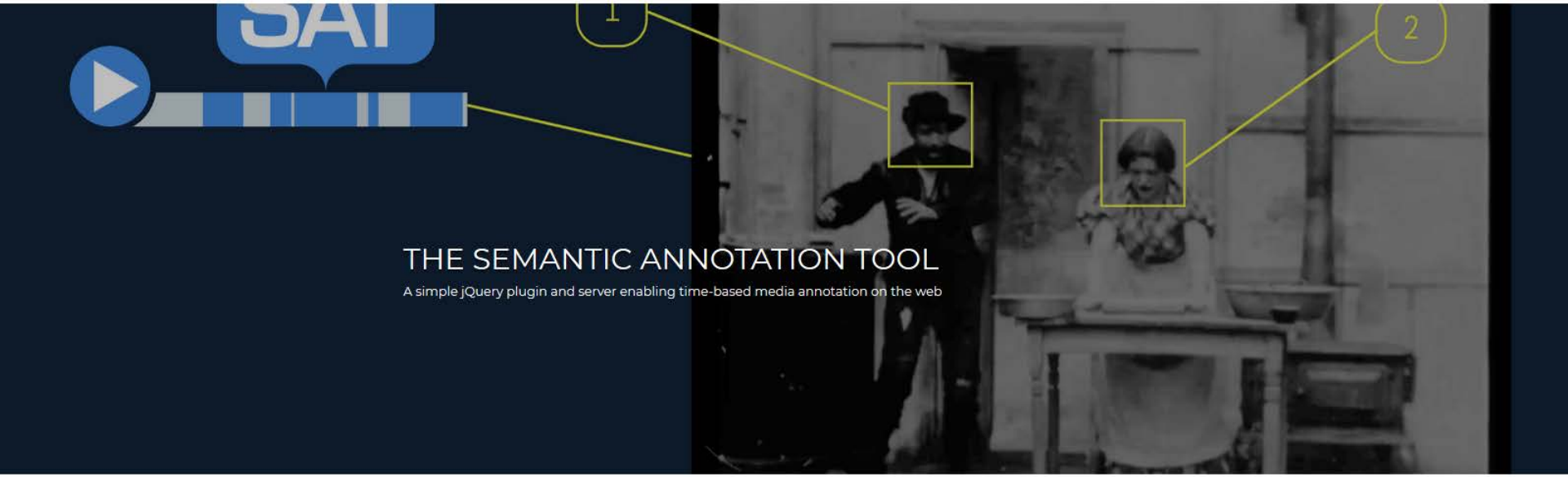
> *This tutorial provides a hands-on introduction to the use of deep learning techniques in the study of large image corpora. The tensorflow and keras libraries within the Python programming language are used to facilitate this analysis. No prior programming experience is required.*

> *Image analysis tasks covered in the tutorial include object detection, facial recognition, image similarity, and image clustering. We will make three [illegible] photographs, still frames from moving images, and scanned works of art) available in order to test these methods. Alternatively, participants may bring and use an image dataset of interest to them. At the conclusion of the tutorial, participants will have created an interactive website running locally on their machines. This website will provide tools for analyzing their selected dataset. Additional instructions for making the website publicly available will be provided.*

https://www.distantviewing.org

Media Ecology Project

HOME PROJECTS PARTNERS NEWS ABOUT



THE SEMANTIC ANNOTATION TOOL

A simple jQuery plugin and server enabling time-based media annotation on the web

The Media Ecology Project (MEP) is a digital lab at Dartmouth College directed by Prof. Mark Williams that enables researcher access to archival moving image collections and contribution of critical analysis back to the archival and research communities. The Media Ecology Project enables new research capacities toward the critical understanding of historical media and facilitates expanded research context bridging technical, disciplinary, and epistemological boundaries.

Latest news from MEP

Digital Tools for Moving Image Analysis Symposium: May 8-10, 2019

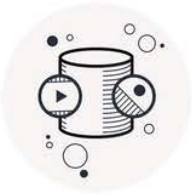
MEP receives NEH grant to build online resource exploring early cinema history

MEP receives NEH grant to make archival civil rights footage accessible

PROJECTS TECHNOLOGY ABOUT US

http://mediaecology.dartmouth.edu/wp/

DARTMOUTH



Data

Access important Dutch audio-visual collections (radio, television, films, oral history interviews) and contextual material. All available collections and their data are registered in a common inventory.

CHECKOUT THE DATA

Tools

Use some of the CLARIAH open source tools that allow researchers to perform search, annotation, automatic speech recognition, and other analysis tasks with the available data.

USE THE TOOLS

Workspace

Functional work space and experimental Jupyter notebooks to work with your corpus and user data (bookmarks, annotations, queries, search sessions, and user collections).

DISCOVER YOUR WORKSPACE

https://mediasuite.clariah.nl/

CLARIAH

The Media Suite is one of the CLARIAH research environments. CLARIAH is a project funded by the NWO that aims at the realisation of a common infrastructure for the humanities and social sciences.

Audio-visual rhetorics of affect

Audio-Visual Rhetorics of Affect
Image Credit: Mariano Mantel flickr CC BY-NC 2.0

Junior research group "Audio-visual rhetorics of affect", funded by the federal ministry of education and research (Bundesministerium für Bildung und Forschung – BMBF)

‚Crisis' as a mode and sujet of societal communication seems to be omnipresent. But considering the dynamics behind crises and their media representations, we immediately encounter more general questions regarding media communication and its role within modern democracies: How are the challenges a media community faces shaped by audio-visual images? Are those images per se 'neutral' representations, or do they draw on rhetorical strategies? How do moving images and their – aesthetical as well compositional – features influence moods and feelings we associate with certain topics, events, or phenomena? And what role would rhetorical strategies aiming at emotional attitudes play with regard to our ideas on, perceptions of, and engagement within media communities?

The junior research group "Audio-visual rhetorics of affect" attempts to answer these questions with the help of a systematic-empirical study of staging patterns in feature films, documentaries and TV-reports on the global financial crisis since 2007. On the one hand, fundamental questions regarding the affective qualities of audio-visual images as well as their persuasive potentials are being addressed – a perspective which we have to [illegible] the term rhetorics of affect. On the other hand, we are developing a systematic approach to the analysis of audio-visual rhetorics and their affective qualities that includes digital methods like video annotation, semantic knowledge structures and machine learning. Hence, the project is being carried out as a cooperation between Freie Universtät Berlin's film studies department (Seminar für Filmwissenschaft) and the Hasso-Plattner-Institut for Digital Engineering (Potsdam).

GEFÖRDERT VOM
Bundesministerium für Bildung und Forschung

HPI Hasso Plattner Institut
IT Systems Engineering | Universität Potsdam

NEWS

AdA @ DH 2019
Jul 08, 2019 | Audio-visual rhetorics of affect

AdA @ Necs 2019
Jun 05, 2019 | Audio-visual rhetorics of affect

AdA @ Methodenworkshop der AG Filmwissenschaft
May 01, 2019 | Audio-visual rhetorics of affect

1 / 3

http://www.ada.cinepoetics.fu-berlin.de/en/index.html

Ada Annotation Explorer

Movies

Select: All | None
Expand: Categories | All | None

- Documentary
- Feature Film
- TV News

Annotation Types and Values

Select: All | None
Expand: Level | All | None

- *Segmentation (3)*
- *Language (25)*
- *Image Composition (176)*
- *Camera (97)*
- *Montage (97)*
- *Acoustics (73)*
- *Bodily Expressivity (30)*
- *Motifs (78)*

Welcome to the AdA Annotation Explorer, the current prototype of our web-based application for querying, analyzing and visualizing semantic video annotations. To visualize annotations, select scenes from one or more movies and then one or more annotation types and values. The numbers in the annotation type tree indicate the number of annotations to load. Please be **careful** if you select large amounts of annotations as they will slow down your browser. Please note that for copyright reasons we can only grant public access to the public domain video **"Occupy Wall Street"**. The application does not work with Internet Explorer.

For questions please contact Henning Agt-Rickauer.

Occupy Wall Street › Filter Scenes:

As | Sound Segment
As | Soundwave
BodExp | Body Language Emotion
Cam | Camera Angle
Cam | Camera Movement Direction
Cam | Camera Movement Speed
Cam | Recording/Playback Speed

Annotations

Transcript

unverständlich?
We wait.
This is the face of the new america.
Keep moving so that other pedestrians can pass by.
The bill of rights is...
I'd say every day it is more people here.
Allright.
So.
Third
Third day. Where you from?
No scare.
Iowa.
You're from Iowa?
Yep.
Yeah. Don't be afraid. We're on (unintelligible)
I'm an interpretive reporter.
You're an interpretive reporter?
No, I work at wall street.
really? Cool.
Yeah.
Look at all the food.
It's all donated.
Donated by who?
By everyone that is...participating in this event.

00:17 01:37 00:00:17 00:01:37

http://ada.filmontology.org/explorer/

Advene

Video annotation and hypervideo authoring

advene project
download
example hypervideos
features
research
screencasts
screenshots
support
news

Advene project

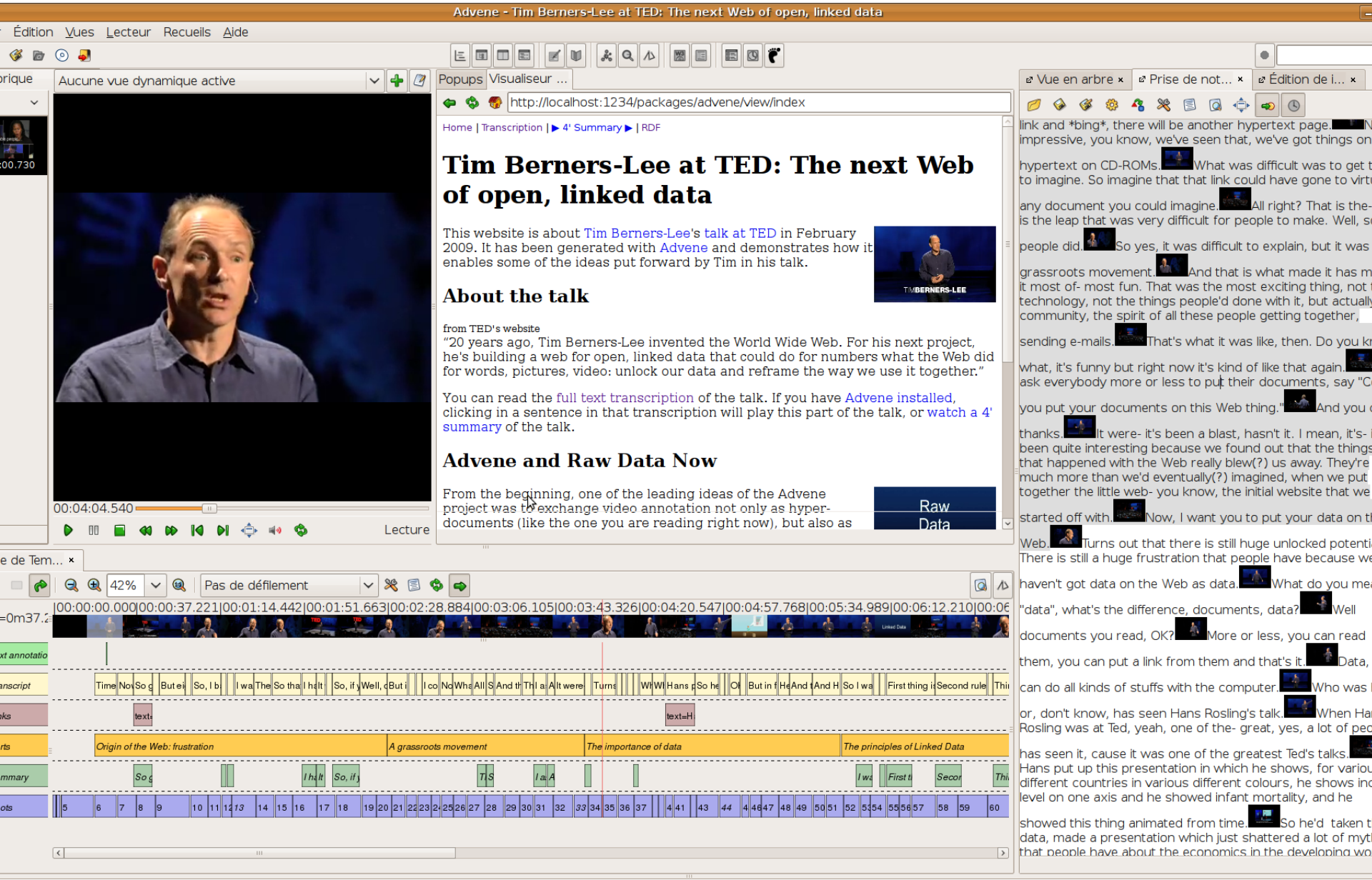
Annotate Digital Video, Exchange on the NEt (but also *to be added to something or become a part of it, though inessential*).

https://www.advene.org

Project presentation

Advene (Annotate Digital Video, Exchange on the NEt) is an ongoing project aiming at providing a model and a format to share annotations about digital video documents (movies, courses, conferences...), as well as tools to edit and visualize the hypervideos generated from both the annotations and the audiovisual documents. Teachers, moviegoers, researchers, etc. can use them to exchange multimedia comments and analyses about video documents.

The project also aims at studying the way that communities of users (teachers, moviegoers, students...) will use these self-publishing tools to



https://www.advene.org/examples/tbl_linked_data_html5/index.html

More recent approaches

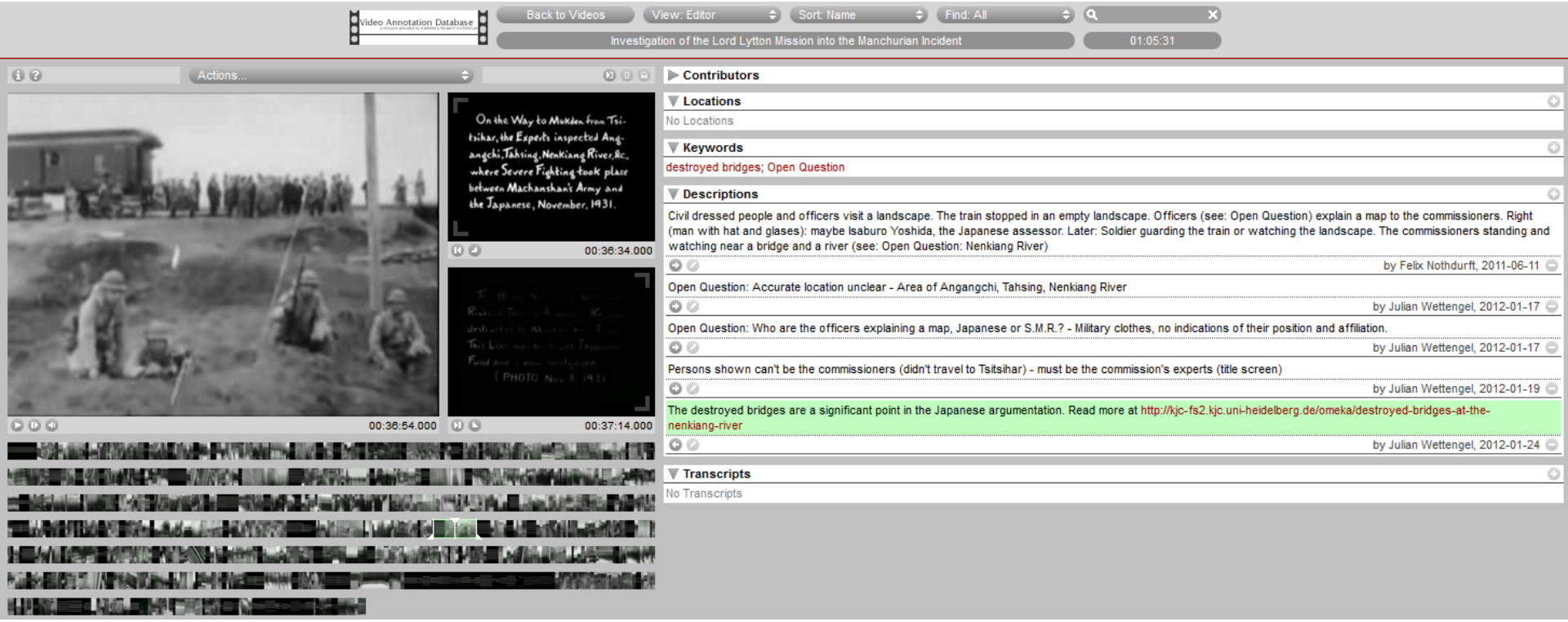
- Flückiger, Filmwissenschaft, Zürich: VIAN (Film colors)
- Visual Geometry Group, Oxford: VGG Image Annotator
- Arnold/Tilton, Richmond: Distant Viewing Lab
- Media Ecology Project, Dartmouth: SAT (Semantic annotation tool)
- Clariah.nl: Media Suite (public access Summer 2019)
- JRG A/V Rhetorics of Affect, Berlin: filmontology
- Advene.org

pan.do/ra use-cases

Analysis and linking of (parts of) video/audio material

Collaborative annotation of videos and image sequences

Separate layers for various types of annotation (description, transcription, keywords, locations), expandable



Movie in context

GLOBAL POLITICS ON SCREEN
THE MANCHURIAN INCIDENT AND THE LEAGUE OF NATIONS

Search

Advanced Search

Home > The Manchurian Incident and the League of Nations

THE MANCHURIAN INCIDENT AND THE LEAGUE OF NATIONS

China and Japan (Source: League of Nations (ed.): Appeal by the Chinese Government. Report of the Commission of Enquiry. Appendix, Map No. 1, Geneva: League of Nations, 1932)

On September 18, 1931, an explosion of dynamite destroyed a railway line of the South Manchurian Railway Company (S.M.R, 南満洲鉄道株式会社) outside the city of Mukden. This so-called Manchurian Incident (also Mukden Incident) paved the way to the Japanese invasion of Manchuria and initiated the path to the Second World War. Founded to watch over international lawfulness and security, the League of Nations soon became the central arena of debates and negotiations in the Sino-Japanese conflict of 1931/32. In early 1932, the League's international Commission of Enquiry, the so-called Lytton Commission, began investigations. The Commission travelled to Japan, China and Manchuria and, during parts of their journey, were accompanied by a Japanese film team.

This section provides a short introduction to the complex situation in Manchuria in 1931-32 and the involvement of the League of Nations in the conflict, followed by a basic chronology which documents the process of international diplomatic negotiations.

A Japanese Film on the Lytton Commission in 1932
The Manchurian Incident and the League of Nations
Manchuria, 1931-32
The League of Nations starts its "conciliation machinery"
Short Chronology
The Film
Themes: The Lytton Commission
Themes: The Legitimation of Manchukuo
Bibliography
Contact

Proudly powered by Omeka and pad.ma. Technical realization supported by Heidelberg Research Architecture.

Presentation and content analysis

GLOBAL POLITICS ON SCREEN
DESTROYED BRIDGES AT THE NENKIANG RIVER

Search

Advanced Search

Home > Themes: The Legitimation of Manchukuo > Destroyed bridges at the Nenkiang River

DESTROYED BRIDGES AT THE NENKIANG RIVER

Still from the Film

Several exceptionally detailed and long sections of the film present destroyed bridges at the Nenkiang River 嫩江. Why was this issue of destroying and rebuilding bridges important for the Japanese producers of the documentary? Three aspects seem relevant here: Firstly, bridges were destroyed by the Japanese opponent General Ma, which damaged Manchurian infrastructure. Secondly, various fights and clashes occurred over bridges. The film gives the impression that these conflicts were a continuation or consequence of activities of Ma and his "soldier-bandits" in Manchuria. And thirdly, the bridges were rebuilt by the Japanese, who appear as the constructive power putting things in order again. This serves to underline the sharp dichotomy of good and evil – the Japanese and Ma.

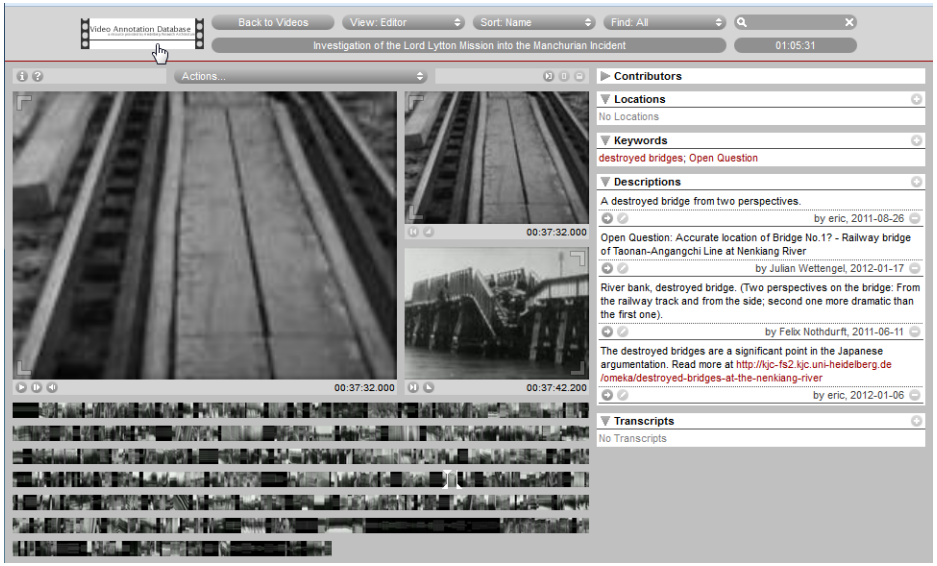
Scenes in the film related to this argumentation are marked with the keyword "destroyed bridges". Please follow the link and use the G key on your keyboard to navigate through the results within the video annotation database.

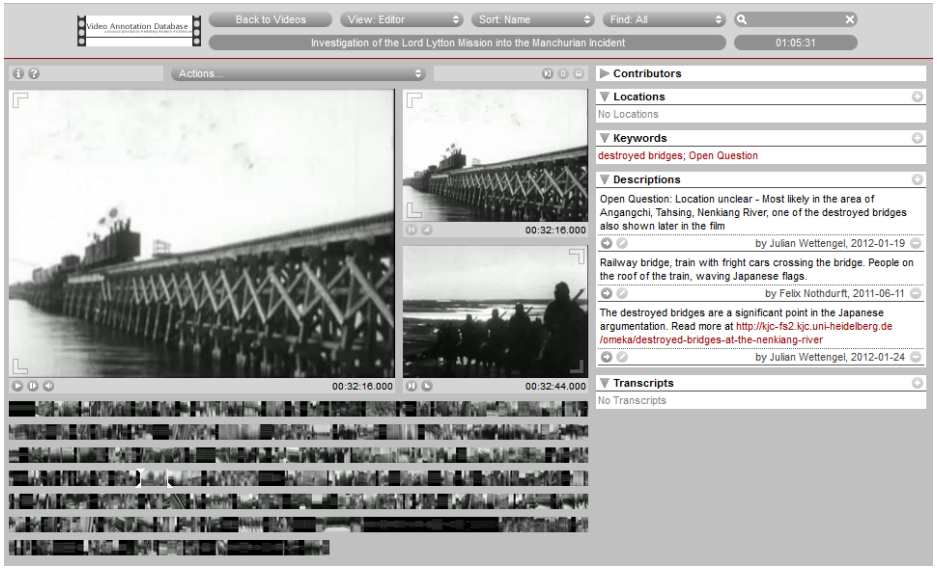
Still from the Film

The incidents at the Nenkiang bridges occurred in October and November 1931. General Zhang Haipeng (Chang Hai-peng, 張海鵬), a Chinese rival of General Ma, was secretly supported by the Japanese in order to seize the provincial government of Heilongjiang 黑龙江. As the troops of Zhang Haipeng approached, Ma ordered the destruction of the bridges as an act of self-defense. The Japanese authorities realised that their economic interests were affected by the destruction of the railway bridges. In order to repair the bridges, they devised a new strategy of pressurising both General Zhang and General Ma to withdraw their troops. Ma denied this demand, thus causing several new clashes, which forced him to retreat northwards in the end while the Japanese occupied Tsitsihar (League of Nations (ed.): *Appeal by the Chinese Government. Report of the Commission of Enquiry*. Geneva, League of Nations: 1932, 72-75). The Japanese presented themselves as generous rebuilders of destroyed infrastructure, although the incident had been the cause of the clashes and destructions. To sum up, the theme of the destroyed bridges is an illuminative example for the constant strategy of turning the facts for propagandistic purposes.

A Japanese Film on the Lytton Commission in 1932
The Manchurian Incident and the League of Nations
The Film
Themes: The Lytton Commission
Themes: The Legitimation of Manchukuo
Bibliography
Contact

Proudly powered by Omeka and pad.ma. Technical realization supported by Heidelberg Research Architecture.





GLOBAL POLITICS ON SCREEN

The website is currently under construction; please do not cite without permission of the authors.

In the run-up towards the Second World War in Asia, perhaps one of the most striking episodes is the Sino-Japanese dispute over Manchuria. In September 1931 bilateral tensions between China and Japan escalated in what became known as the Manchuarian Incident, representing a major challenge for those trying to manage the international system and strive for global peace. In an attempt to investigate the situation, the League of Nations sent the so-called Lytton Commission to Manchuaria early in 1932.

This website presents an introduction to the efforts of the League of Nations to investigate in the Sino-Japanese conflict about Manchuria. Our starting point is a Japanese silent propaganda film from the early 1930s about the work of the so-called Lytton Commission of the League of Nations, which visualises events of international politics for a global public.

Students of Heidelberg University's History Department and scholars of the Cluster Asia-Europe have examined this film by using a film annotations database (originally developed and used for the pad.ma project and has in the meantime been updated to its succesor pan.do/ra). Exploring the potential of new technological tools, our project seeks to combine established models of historical interpretation with new opportunities provided by digital humanities and is committed to collaborative research.

While there have been several film versions of nowadays varying quality of preservation and accessibility, our focus is on one version entitled *Investigation of the Lord Lytton Mission into the Manchurian Incident*, which seems to have been designed for an international audience.

This film raises numerous questions: How is the situation in Manchuria portrayed? What is the film's attitude towards the Commission? Did Japanese propaganda try to instrumentalise the Lytton Commission to make it part of a founding myth of the puppet state of Manchukuo? And what new dimensions does including the film into a historical analysis offer?

In the pursuit to shed light on this issue, we analyse how the film portrays the situation in Manchuria and the work of the Commission, what it tries to achieve and therefore what the implications are.

In doing so, we face a number of challenges. Methodologically we have to incorporate the specific demands of analysing a film into a broader historical analysis. Regarding perspective we are aware that we are dealing with a number of frictional topics that cannot easily, if at all, be woven into a single, unambiguous narrative. For instance, we argue that the League of Nations was being used for Japanese propaganda purposes, but at the same time it had power of its own, which it used in ambivalent ways. Exposing the film as a piece of propaganda does not automatically result in a positive narrative about the League. We do not aim to neaten or gloss over any ambiguities, contrasts or contradictions but offer a juxtaposition of data, hypotheses and perspectives in the hope that they prove useful and interesting to our readers.

For an annotated version of the film please visit the Cluster's installation of the video annotation database

https://gpos.omeka.net/

Universität Basel

THE LEGITIMATION OF MANCHUKUO

The film *Investigation of the Lord Lytton Mission into the Manchurian Incident* purports to document the travels of the League of Nation's Lytton Commission in Manchuria. Yet on many levels, the documentary takes this visit as an opportunity to present the newly-proclaimed state of Manchukuo to the world in a number of specific contexts. Interestingly, the issue of legitimacy is not treated as the still open question that it was to the Commission but as a claim that is asserted throughout the film.

This section provides an analysis of a number of different aspects and topics used by the producers to promote the idea of a new, sovereign and rightfully established state which, supported by the Japanese, seems to be on the way towards international acknowledgement. We will examine the question of responsibilities for the conflicts in the region and the symbolistic use of national flags in order to identify the ways in which new media supported the legitimation of 'the new-born state of Manchukuo'.

Still from the Film

RESPONSIBILITIES: SOLDIER-BANDITS

Still from the Film

The film documents an international inquiry whose aim was to collect information in order to bring political and military tensions down to the bargaining table. The film, in contrast, at once decided over responsibilities, taking advantage of the complex situation of power in Manchuria. Deliberately, the film plays with the idea that Manchuria is characterised by elements of a frontier region (Duara 2003: 48–49) in urgent need of stability and control after years of upheavals under warlord domination. Therefore, through the lenses of the S.M.R., the answer of who was responsible for the 'attack' on the railway was clear: 'soldier-bandits', sometimes called 'bandit-soldiers', were to be blamed for the damages of the S.M.R. railroad. What type of agent is the soldier-bandit, and what is meant by these terms in context of the following military conflicts? In order to answer these questions, two different levels of the problem can be distinguished: first, the use of the term for propaganda purposes, and second, the involvement of bandits in the military conflict.

'Evidence'

The mysterious 'soldier-bandit' is represented in the film on different levels of argumentation. First of all, soldier-bandits are charged with the serious damages of the S.M.R. railroad. The reasoning about the different crimes in the film is quite simple and obviously constructed. Besides a general description of damages at several places along the Antung-Mukden Line, there are sequences which visualise the permanent threats posed by soldier-bandits.

A bullet hole in a window as proof of evidence for the violence of soldier-bandits.

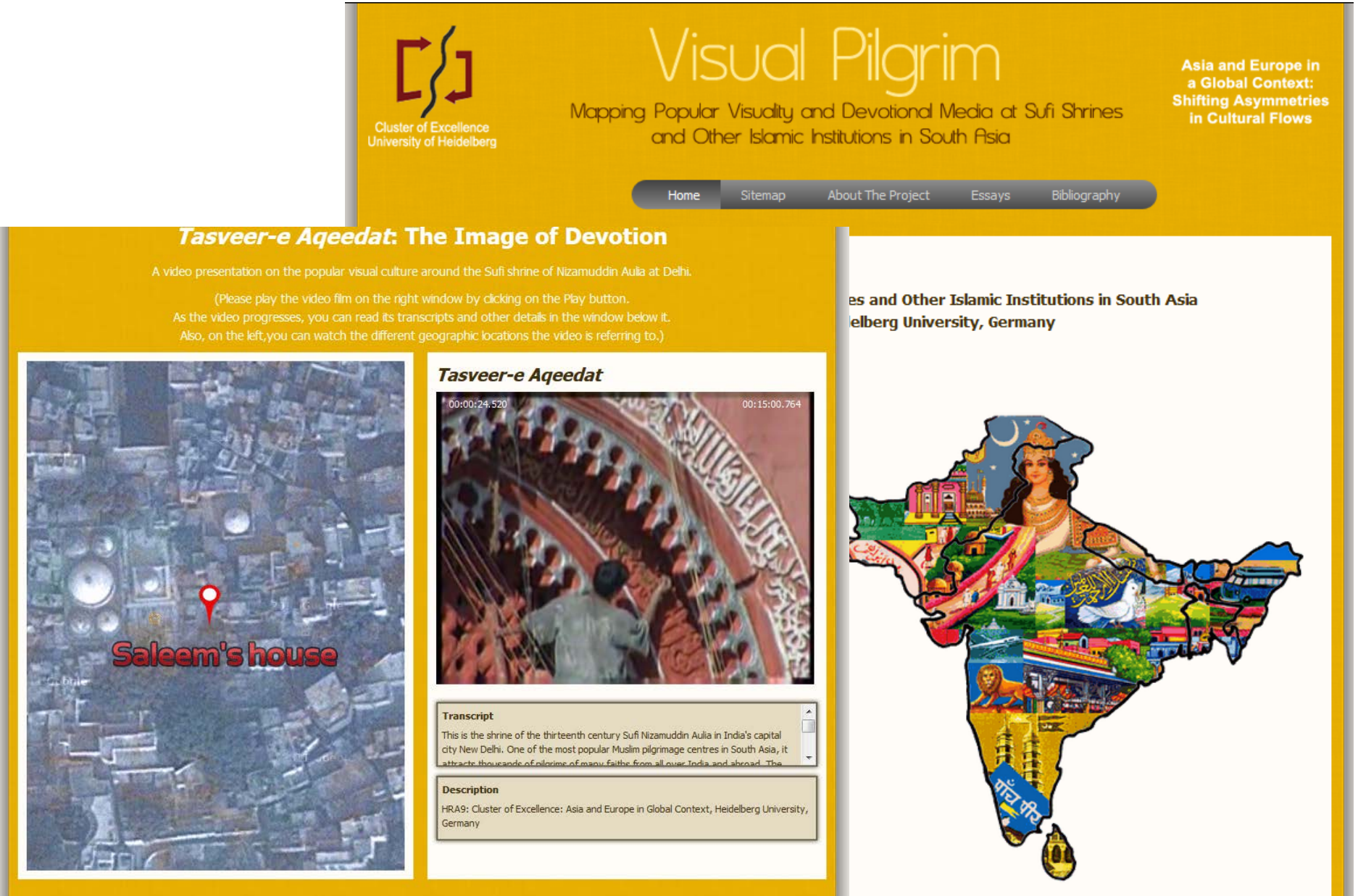
A Japanese police station after an attack. The only visible sign of a conflict is an entrance door which boarded up.

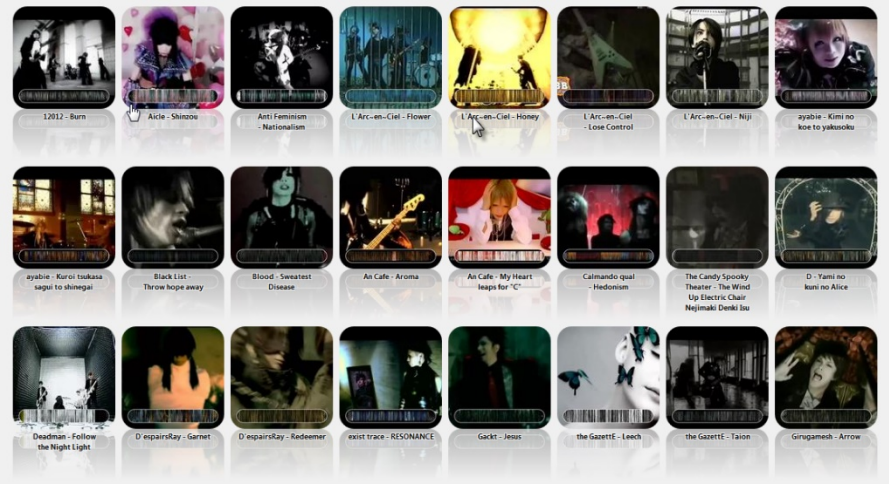
A Japanese shop plundered. A torn-off wall and smoke is displayed.

The freed prisoners of a Chinese jail. As evidence for this case, destroyed hand- and foot cuffs are presented. This seens to indicate where the bandits which were responsible for the Manchurian Incident came from – they were freed from prisons by other bandit gangs in order to bring about chaos in the region.

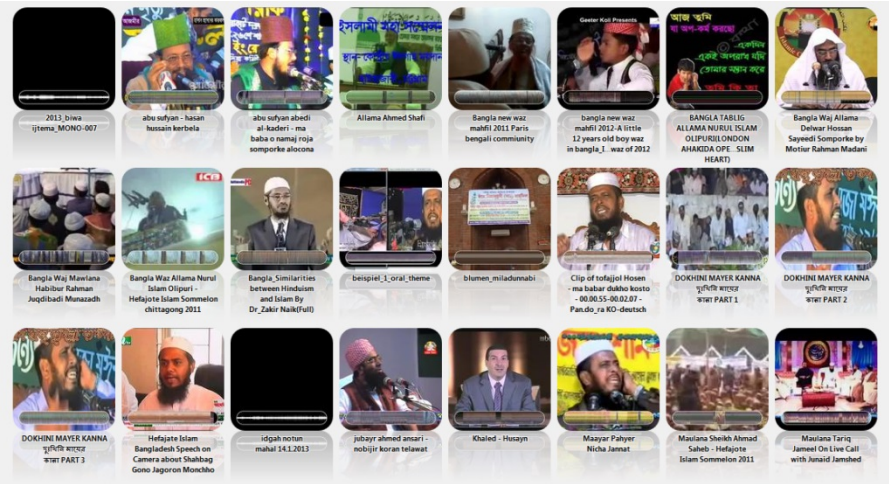
https://gpos.omeka.net/themes-the-legitimation-of-manchukuo

Visual Pilgrim: Embedded video sequences





Visual language in Japanese Visual Kei videos



Analysis of Islamic sermons

Pan.do/ra – Development/Team

0x2620
Collaborative Archiving and Networked Distribution e.V., Berlin
http://0x2620.org

Pad.ma - Public Access Digital Media Archive, http://pad.ma/

Since 2008, Material of independent film makers, esp. from Mumbai and Bangalore

Successor pan.do/ra (user-client, since end of 2011)

Open Source, GNU General Public License
https://wiki.0x2620.org/wiki/pandora

API:
via Ox.App (Ox.js) 0xJS or pandora_client (Python)

annotations in **HTML5** (e.g. embedding of images)
video formats: WebM, Ogg Theora

Search for nizamuddin
inside /resources/commons/Annotated Videos
sorting by Score
Search

|< < Record 1 > >| of 7 records found in resources/Annotated Videos List view

1

Record Location	resources/Annotated Videos
Record Format	MODS
Creator and Director	Yousuf Saeed (find all records)
Title	Tasveer-e Aqeedat
Extent	00:15:00.0764
URL	http://padma.uni-hd.de/Vsmdmw51
Constituent	(Transcription:) Titles (Extent: 00:00:00.0001-00:00:06.0040) (Topics: Tasveer-e Aqeedat, The Image of Devotion)
Constituent	(Description:) HRA9: Cluster of Excellence: Asia and Europe in Global Context, Heidelberg University, Germany (Extent: 00:00:00.0001-00:15:00.0000)
Constituent	(Transcription:) This is the shrine of the thirteenth century Sufi Nizamuddin Aulia in India's capital city New Delhi. One of the most popular Muslim pilgrimage centres in South Asia, it attracts thousands of pilgrims of many faiths from all over India and abroad. The Chishti Sufi order to which Nizamuddin Aulia belonged was brought by Saint Moinuddin from Chisht, a small town near Herat in Central Asia, in the 12th century, to Ajmer, Rajasthan, and spread in turn all over India by his disciples. The popularity of Nizamuddin Aulia and his hospice during his lifetime spread so much that even his contemporary king Alauddin Khalji felt threatened by it. (Extent: 00:00:06.0041-00:01:03.0140) (Topics: Sufi shrine, 13 century, Nizamuddin Aulia, Delhi, India, Muslim pilgrimage centre, South Asia, Chishti order)
	(Transcription:) The devotees continue to throng the place today, often considering Nizamuddin to be the real Sultan or ruler of India even after his death. The visitors come here not only to pay their respects to the saint, but

- Title Words
- Names
- Dates
- Subjects
- Languages
- Genres

Annotations in MODS XML

Export annotations as structured note in MODS

Proof-of-concept implementation

```
<relatedItem type="constituent">
    <titleInfo>
        <title supplied="yes">constituent</title>
    </titleInfo>
    <subject>
        <topic>[TOPIC1, TOPIC2, ...] </topic>
    </subject>
    <place>
        <placeTerm>[NAME-OF-LOCATION]</placeTerm>
    </place>
    <note type="transcription">[CONTENT-OF-TRANSCRIPTION]</note>
    <part>
        <physicalDescription>
            <extent>
                <start>[START-TIME]</start>
                <end>[END-TIME]</end>
                <total>[TOTAL-TIME]</total>
            </extent>
        </physicalDescription>
    </part>
</relatedItem>
```

Firefox
http://kjc-sv016.kj...347740d79&clean=yes
kjc-sv016.kjc.uni-heidelberg.de:8080/exist/apps/tamboti/modules/search/source.xql?id=uuid-0b67cc47-a6ea-5c6b-bbe
Google

```
      </physicalDescription>
    </part>
  </relatedItem>
- <relatedItem type="constituent">
  - <titleInfo>
      <title supplied="yes">constituent</title>
    </titleInfo>
  - <subject>
    - <topic>
        Sufi shrine, 13 century, Nizamuddin Aulia, Delhi, India, Muslim pilgrimage centre, South Asia, Chishti order
      </topic>
    </subject>
  - <place>
      <placeTerm>Tomb of Nizamuddin</placeTerm>
    </place>
  - <note type="transcription">
      This is the shrine of the thirteenth century Sufi Nizamuddin Aulia in India's capital city New Delhi. One of the most popular Muslim pilgrimage centres in South Asia, it attracts thousands of pilgrims of many faiths from all over India and abroad. The Chishti Sufi order to which Nizamuddin Aulia belonged was brought by Saint Moinuddin from Chisht, a small town near Herat in Central Asia, in the 12th century, to Ajmer, Rajasthan, and spread in turn all over India by his disciples. The popularity of Nizamuddin Aulia and his hospice during his lifetime spread so much that even his contemporary king Alauddin Khalji felt threatened by it.
    </note>
  - <part>
    - <physicalDescription>
      - <extent>
          <start>00:00:06.0041</start>
          <end>00:01:03.0140</end>
          <total>00:00:57.0099</total>
        </extent>
      </physicalDescription>
    </part>
  </relatedItem>
- <relatedItem type="constituent">
  - <titleInfo>
      <title supplied="yes">constituent</title>
    </titleInfo>
```

Recent use cases

1. Research project Islamic sermons
2. Movie annotation
3. Video library

More details in article
“Möglichkeiten und Grenzen der Videoannotation mit Pan.do/ra - Forschung, Lehre und institutionelles Repositorium”
(authors Matthias Arnold, Hans Martin Krämer, Hanno Lecher, Jan Scholz, Max Stille, Sebastian Vogt)

edited volume *Bilddaten in den digitalen Geisteswissenschaften* (in print, 2019)

Hands-on

Getting things from Youtube

- Video download, e.g.
    - Video Download helper (local install)
    - ddownr (online https://ddownr.com/)
- Subtitle download
    - LilSubs http://www.lilsubs.com/
      subtitle files and auto generated translations

www.lilsubs.com/# 90%

LilSubs
Subtitle Downloader

Enter video link to download its subtitle. e.g https://www.youtube.com/watch?v=DPEJB-FCItk Download

Information

YouTube Rewind 2018 but it's actually good
Lilsubs.com

YouTube Rewind 2018 but it's actually good

Download Links

Videos

(Right click->Save As)

HD720 Video | 360P Video

Subtitles

- Arabic Subtitle
- Chinese (Taiwan) Subtitle
- Czech Subtitle
- Danish Subtitle
- Dutch Subtitle
- English Subtitle
- English (auto-generated) Subtitle
- English (Canada) Subtitle
- English (United Kingdom) Subtitle

https://ddownr.com

Home | Settings | Downloads | F.A.Q. | Contact | Statistics

The Majority of the Server issues have been resolved! Service should get more stable over time now :)

YouTube Rewind 2018: Everyone Controls Rewind | #YouTubeRewind (YouTube)

Started: 16/7/2019 @ 13:53:20
Playlist range: 1 - 25
Status: Finished
100%

YouTube Rewind 2018 but it's actually good (PewDiePie)

Started: 16/7/2019 @ 14:04:36
Playlist range: 1 - 25
Status: Finished
100%

Head over to Vidloadr.com

and try the best YouTube Downloader available

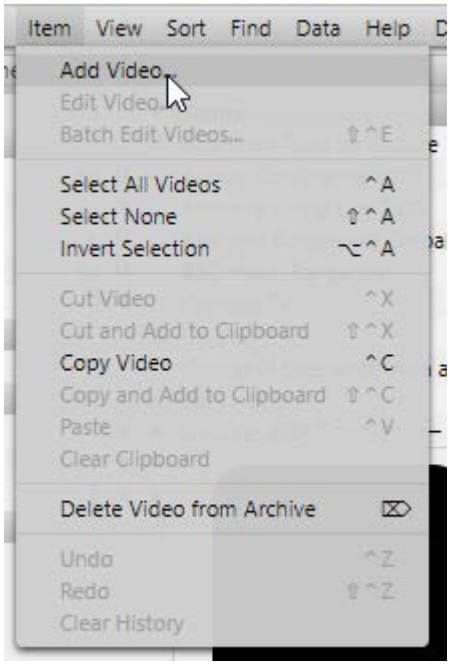
Youtube & more

Vidloadr allows you to download content from many more sites than just YouTube!

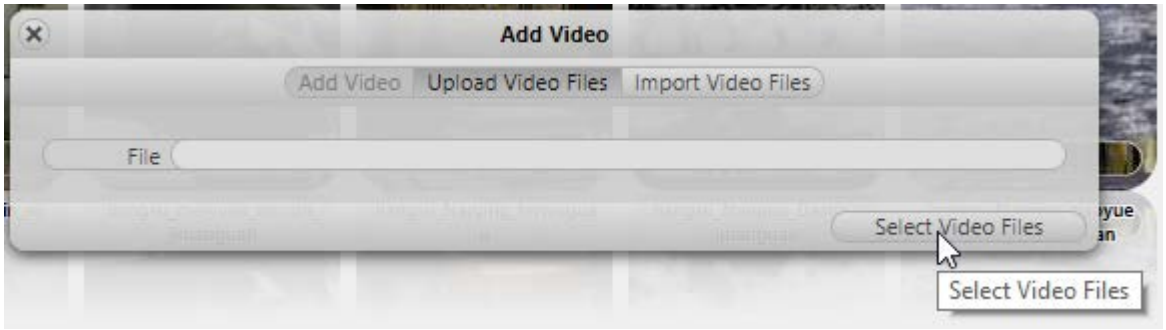
Youtube | Twitch | Pornhub

Add Video

1. “Item” -> “Add Video“



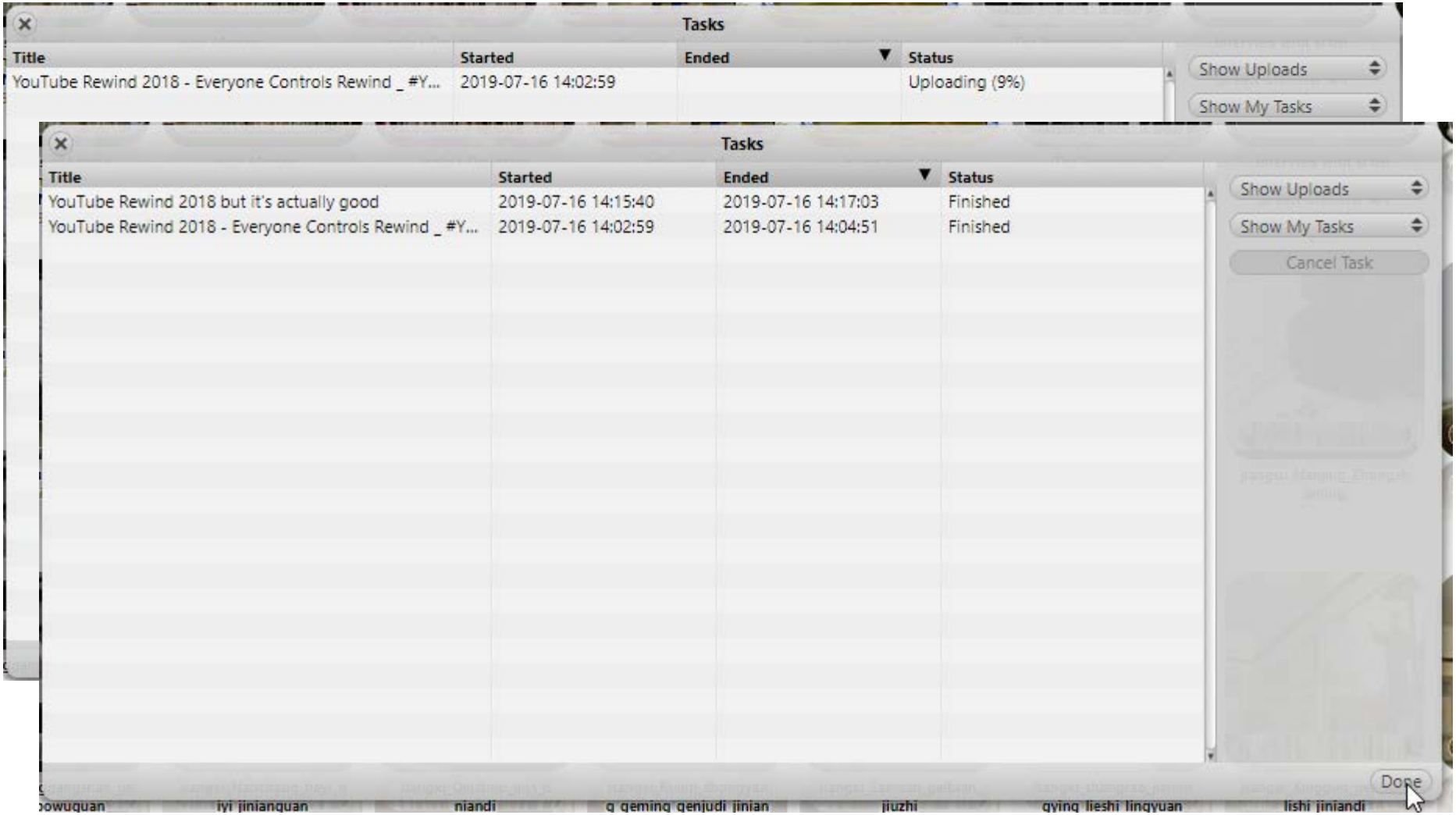
2. Select Video Files

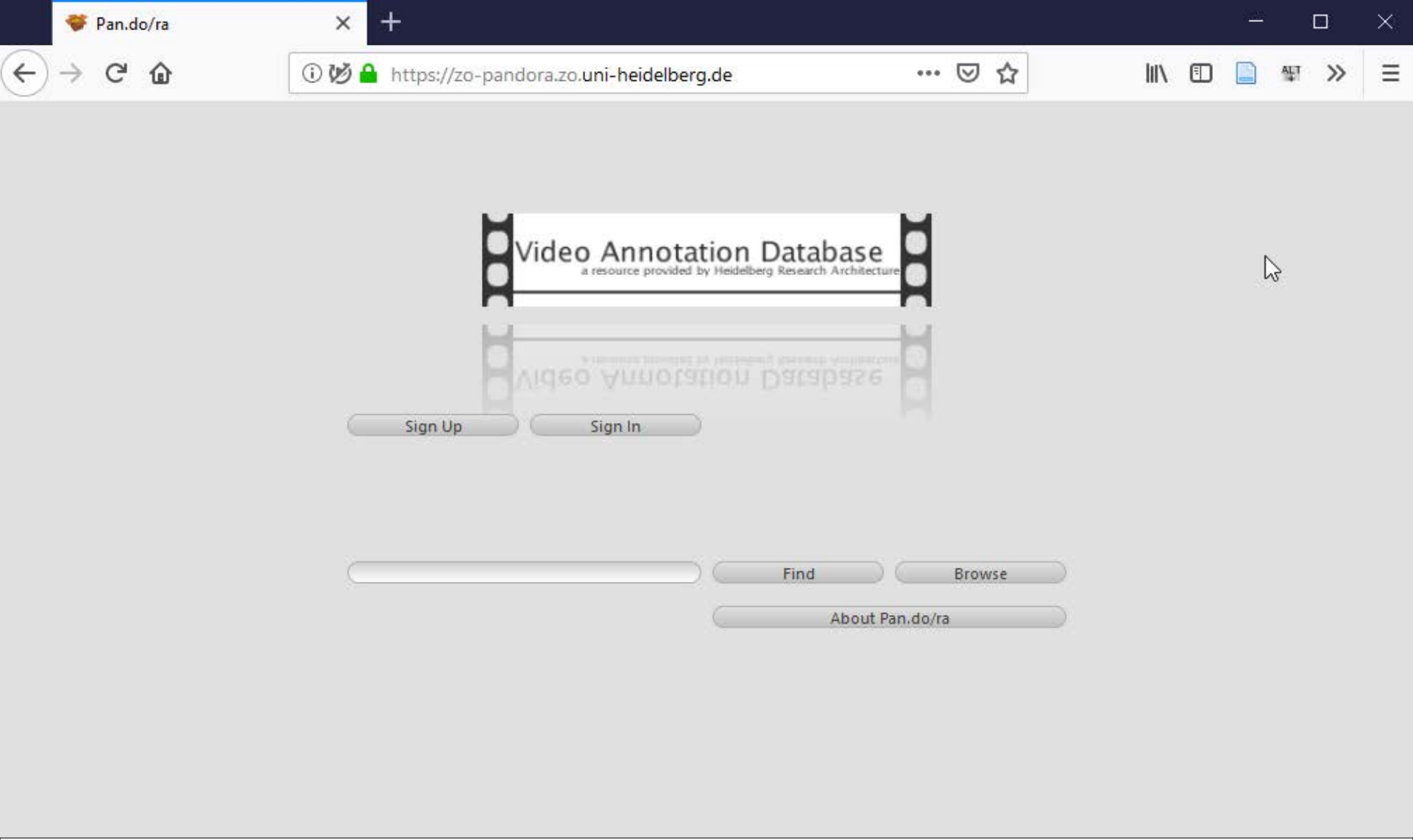


3. Upload

Upload Video Files
Title
Resolution
Duration
Size
YouTube Rewind 2018 but it's actually good
1920 × 1080 px
00:05:34
86.0 MB
Upload

4. Click “Done” when upload has finished





https://vad.uni-hd.de

All Videos – Grid View – Pan.do

https://zo-pandora.zo.uni-heidelberg.de/grid/title

Pan.do/ra User List Item View Sort Find Data Help

ahamad.faiz

Videos Edits Documents

View as Grid | Sort by Title | All Videos | Find: All

All Videos 72

Personal Lists
- My Videos 0
- Group Videos 0
- Favorites 0

Favorite Lists
No favorite lists

Featured Lists
- Global Politics on Screen 1
- Cluster Film Portraits 7
- Chinese Women's Magazin... 3

Local Volumes
No local volumes

Source	#	Project	#	Topic	#	People	#	Keywords	#
Asia and Europe in a Global Context	6	Cluster Film Portraits	7	many readings	4	Suboor Bakht	14	Music	2
Campus TV	1	eJournal	13	One ceremony	4	Matthias Arnold	8		1
Chishti	1	Global Politics on Screen	1	Chinese Women's Magazines datab...	3	Christoph Bertolo	8	99 Superheroes	1
manchurian incident	1	HRA	5	Ziziphus	2	Frank Pfeiffer	6	banner	1
Presentation and screencast	1	HRA - WoMag	3	Abou Naddara Collection	1	Max Stille	4	Bollywood	1
Recorded by Yousuf Saeed and Sub...	1	HRA - Ziziphus	2	HRA	1	Yousuf Saeed	3	Caricatures	1
screencast	7	hra9	35	HyperImage	1	Eric Decker	2	Chadur, shrine, crowd, qawwali	1
Shree Cassettes, Ajmer	1	One ceremony, many readings – Ina...	4	Popular visual culture	1	Danylo Demutsky	2	chadurs, crowd, qawwali.	1
				Tamboti	1	Alexander Dovzhenko	2	Chello	1
				Wiki Slideshows	1	Nikolas Jaspert	1	Comics	1

27a Earth - tractor arrival (Alexander Dovzhenko) 1930
27b Dovzhenko Earth new songs (Alexander Dovzhenko) 1930
29a Dovzhenko Earth Vasyl crowd response
29b Dovzhenko Earth successor crowd response
50 Nosferatu threat silent
52 Nosferatu telepathy silent
53 Vertov MWMC Kuleshov silent
53 Vertov MWMC Kuleshov sound
54 Riefenstahl

76 Vertov KE pioneers silent
77 Vertov KE shopper silent
78 Vertov KE pioneer troop silent
79 Vertov KE young Leninists silent
Abou Naddara Collection (Matthias Arnold) 2012
Ajmer Devotee from Sadar, Delhi (Suboor Bakht) 2010-05
Bu Ali Qalandar 2006
Bu Ali Qalandar 2
Campus TV - Jahrestagung "Flows of Images" (Joachim Kaiser, Campus TV) 2009-10-29

Canadian Travelling Couple and Islamic Artist (Suboor Bakht) 2011-07
Canadian travelling couple and the Islamic artist (Suboor Bakht) 2010-07
Cluster Film Portrait: Barbara Mittler (Christoph Bertolo, Frank Pfeiffer) 2010
Cluster Film Portrait: Deepali Gaur Singh (Christoph Bertolo, Frank Pfeiffer) 2010
Cluster Film Portrait: Franck Bernède (Christoph Bertolo, Frank Pfeiffer) 2010
Cluster Film Portrait: Manik Man Bajracharya (Christoph Bertolo, Frank Pfeiffer) 2010
Cluster Film Portrait: Philipp Stockhammer (Christoph Bertolo, Frank Pfeiffer) 2010
Cluster Film Portrait: Roland Wenzlhuemer (Christoph Bertolo) 2011
Cluster Film Portrait: Shirley Abraham and Amit Madhesiya (Christoph ...k Pfeiffer) 2010

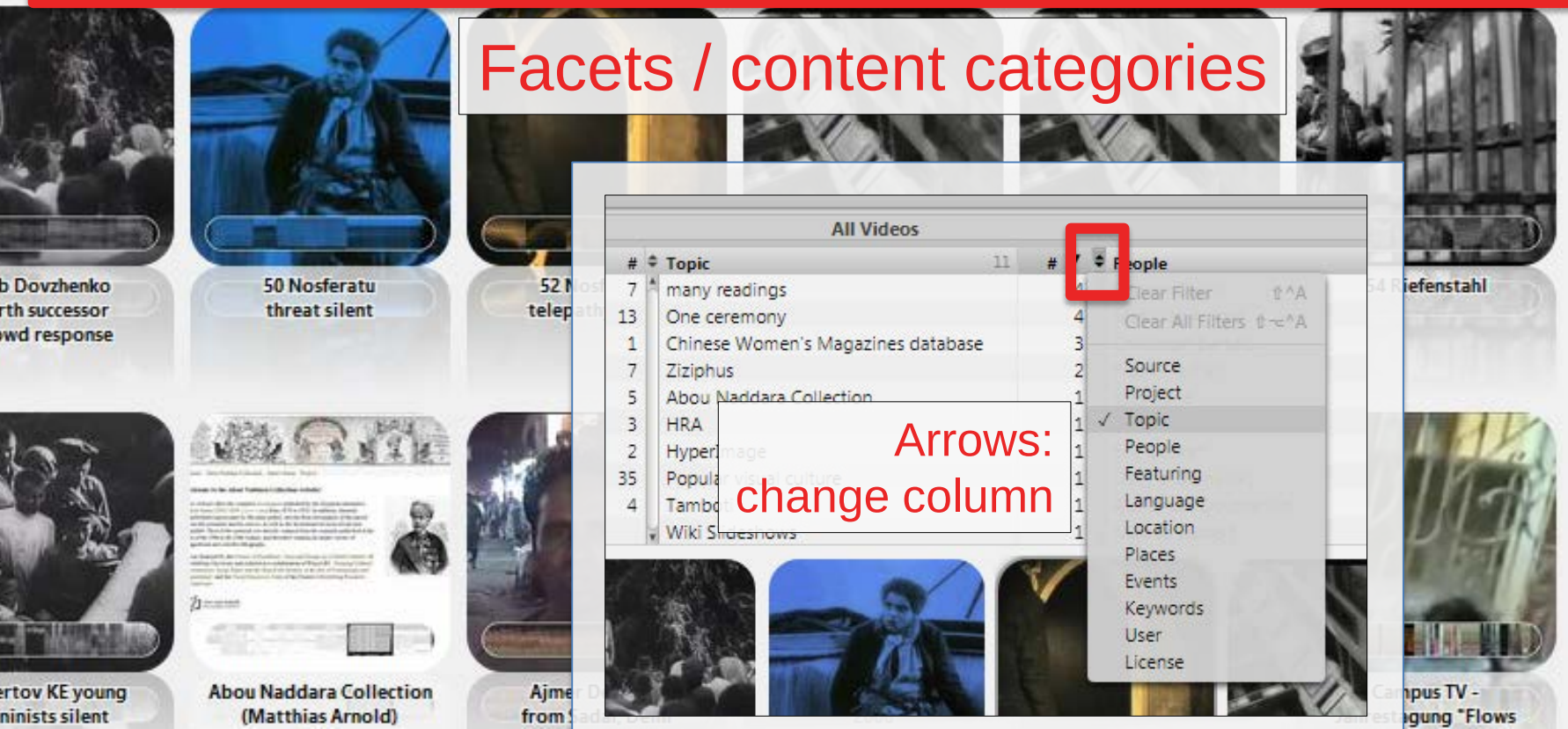
Cultural Brokerage: A Medieval Mediterranean Perspective 10-09-2014
Descendent Sufi Qadri Sect (Suboor Bakht) 2010-08
Devotee Ayesha (Suboor Bakht) 2011-04
Devotee Mobina (Suboor Bakht)
Devotee Mubina (Suboor Bakht) 2011-05
Devotee Saidunnisa (Suboor Bakht)
Devotee Shahnaaz Begum (Suboor Bakht) 2011-04
Devotional Video Film Director Part II (Suboor Bakht) 2011-05
Frenzy - sayyidmeera

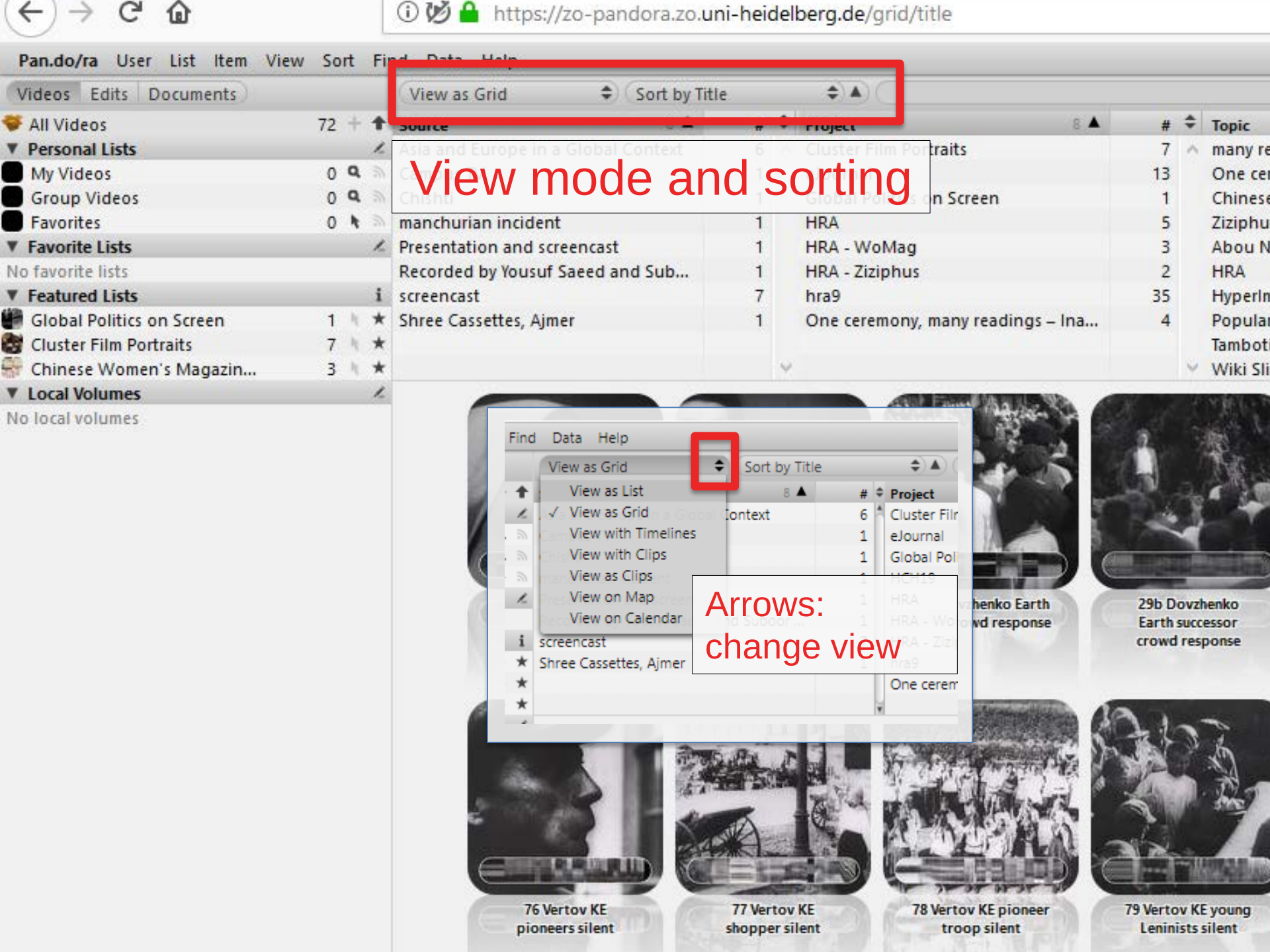
All Videos

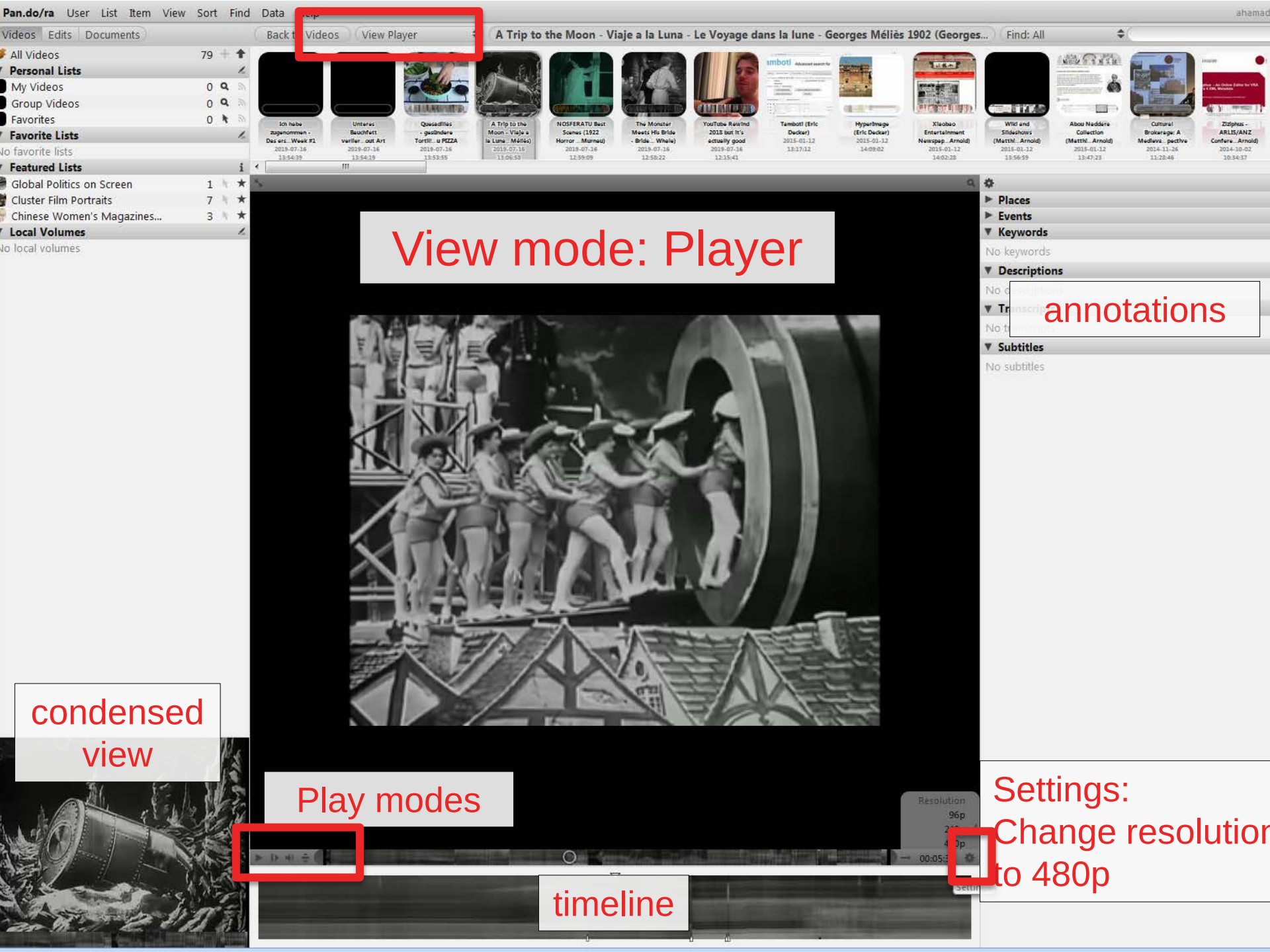
72 Videos, 4h 50m 31s

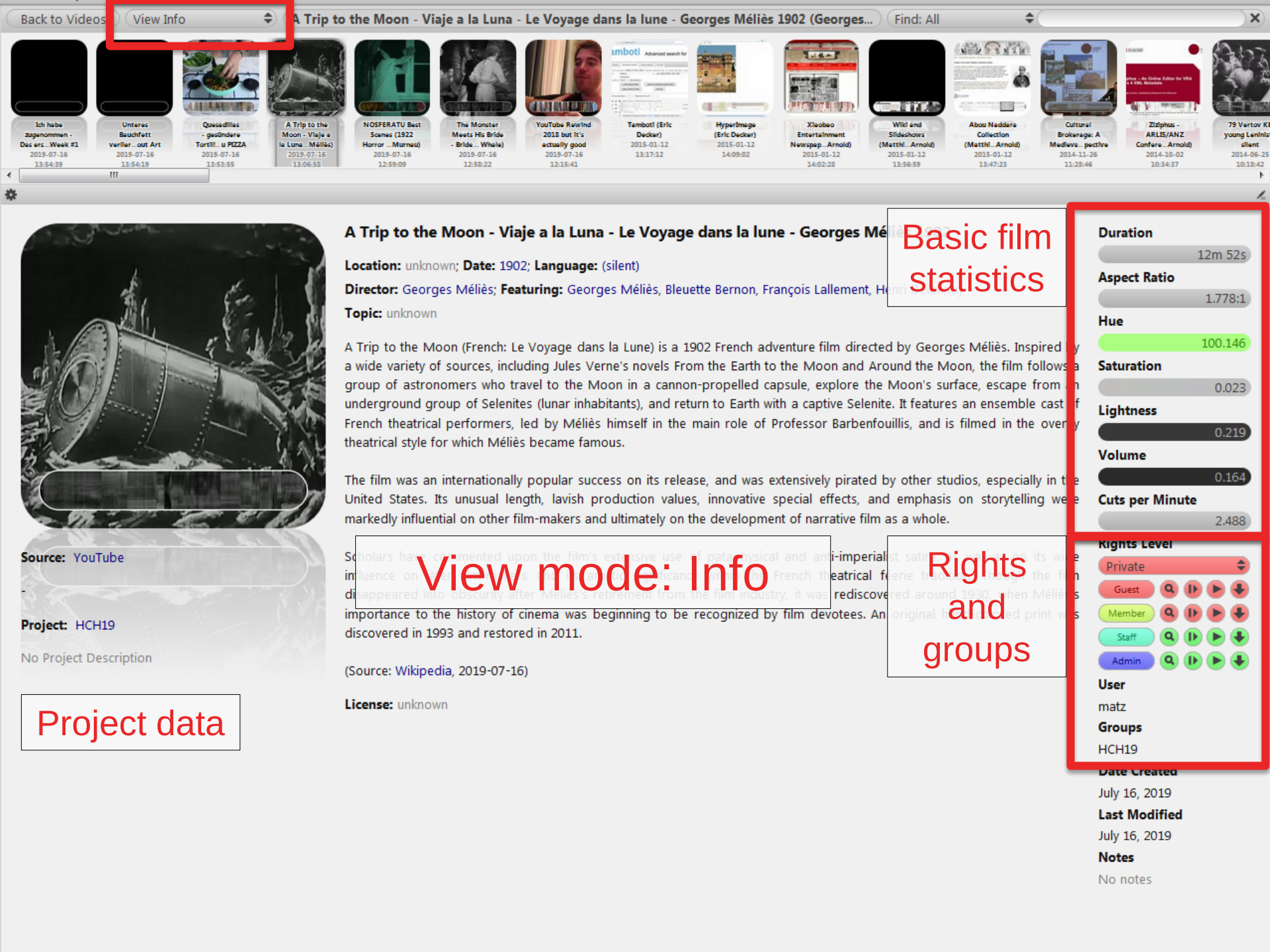
#	Topic	11	#	People	13	#	Keywords	64	#
7	many readings		4	Suboor Bakht		14	Music		2
13	One ceremony		4	Matthias Arnold		8			1
1	Chinese Women's Magazines datab...		3	Christoph Bertolo		8	99 Superheroes		1
5	Ziziphus		2	Frank Pfeiffer		6	banner		1
3	Abou Naddara Collection		1	Max Stille		4	Bollywood		1
2	HRA		1	Yousuf Saeed		3	Caricatures		1
35	HyperImage		1	Eric Decker		2	Chadur, shrine, crowd, qawwali		1
4	Popular visual culture		1	Danylo Demutsky		2	chadurs, crowd, qawwali.		1
	Tamboti		1	Alexander Dovzhenko		2	Chello		1
	Wiki Slideshows		1	Nikolas Jaspert		1	Comics		1

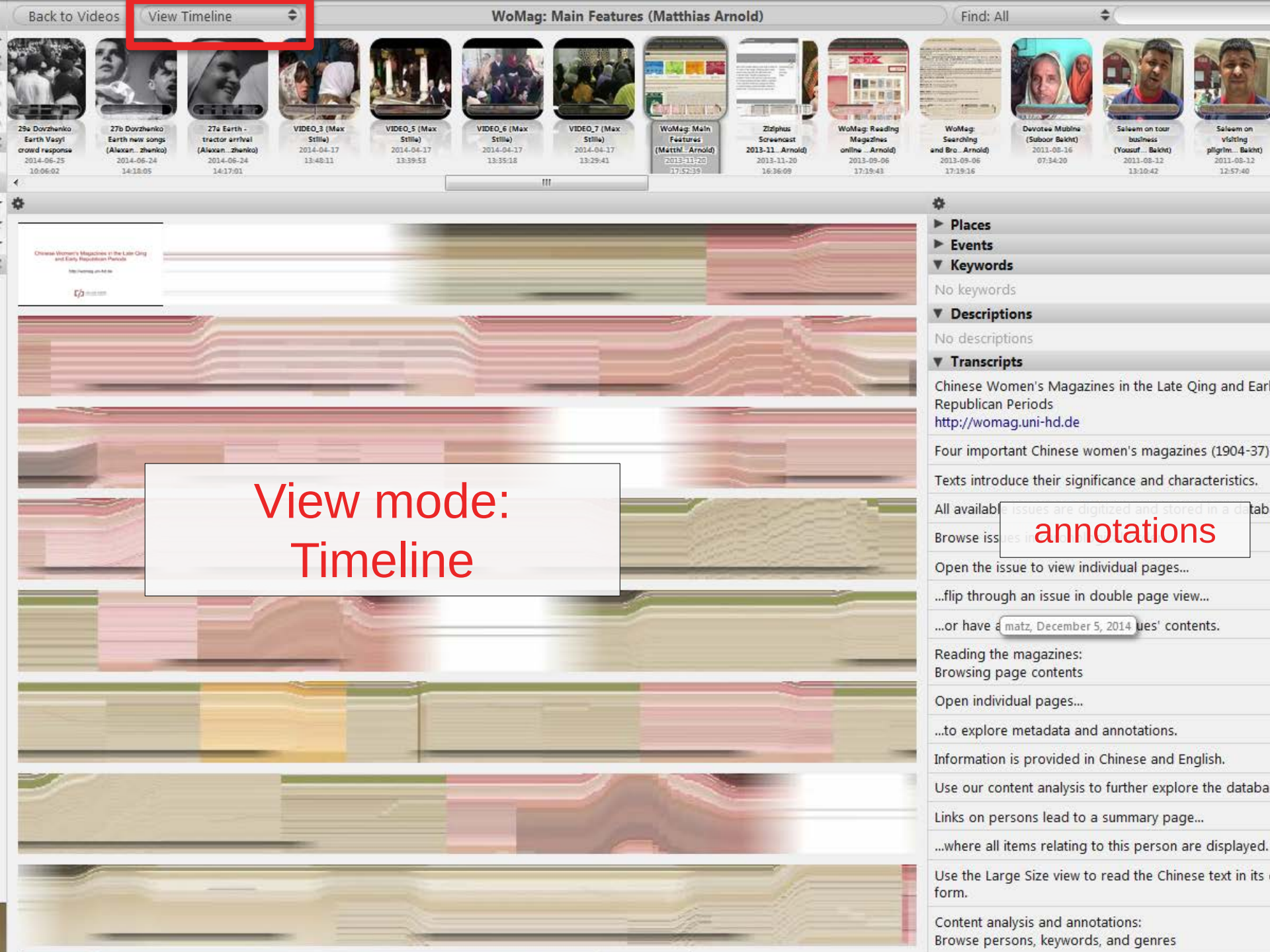
Facets / content categories



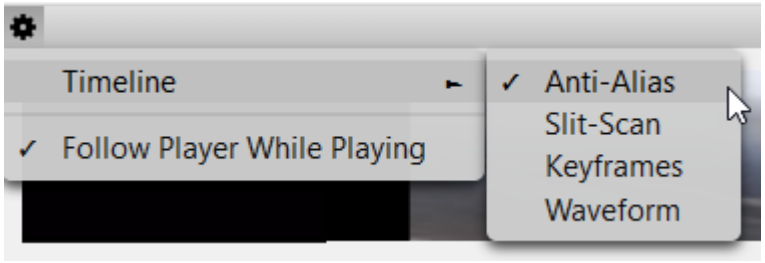

https://zo-pandora.zo.uni-heidelberg.de/grid/title
Pan.do/ra User List Item View Sort Find Data Help
Videos Edits Documents
View as Grid
Sort by Title
View mode and sorting
All Videos 72
Personal Lists
My Videos 0
Group Videos 0
Favorites 0
Favorite Lists
No favorite lists
Featured Lists
Global Politics on Screen 1
Cluster Film Portraits 7
Chinese Women's Magazin... 3
Local Volumes
No local volumes
manchurian incident 1
Presentation and screencast 1
Recorded by Yousuf Saeed and Sub... 1
screencast 7
Shree Cassettes, Ajmer 1
HRA 5
HRA - WoMag 3
HRA - Ziziphus 2
hra9 35
One ceremony, many readings – Ina... 4
Project
Topic
Find Data Help
View as List
View as Grid
View with Timelines
View with Clips
View as Clips
View on Map
View on Calendar
Arrows: change view
29b Dovzhenko Earth successor crowd response
76 Vertov KE pioneers silent
77 Vertov KE shopper silent
78 Vertov KE pioneer troop silent
79 Vertov KE young Leninists silent


Pan.do/ra User List Item View Sort Find Data
Videos Edits Documents
Back t Videos View Player
A Trip to the Moon - Viaje a la Luna - Le Voyage dans la lune - Georges Méliès 1902 (Georges...
Find: All
All Videos 79
Personal Lists
My Videos 0
Group Videos 0
Favorites 0
Favorite Lists
No favorite lists
Featured Lists
Global Politics on Screen 1
Cluster Film Portraits 7
Chinese Women's Magazines... 3
Local Volumes
No local volumes
View mode: Player
Places
Events
Keywords
No keywords
Descriptions
annotations
Subtitles
No subtitles
condensed view
Play modes
timeline
Resolution
480p
Settings: Change resolution to 480p


Back to Videos
View Info
A Trip to the Moon - Viaje a la Luna - Le Voyage dans la lune - Georges Méliès 1902 (Georges...
Find: All
A Trip to the Moon - Viaje a la Luna - Le Voyage dans la lune - Georges Méliès 1902
Location: unknown; Date: 1902; Language: (silent)
Director: Georges Méliès; Featuring: Georges Méliès, Bleuette Bernon, François Lallement, Henri Delannoy
Topic: unknown
A Trip to the Moon (French: Le Voyage dans la Lune) is a 1902 French adventure film directed by Georges Méliès. Inspired by a wide variety of sources, including Jules Verne's novels From the Earth to the Moon and Around the Moon, the film follows a group of astronomers who travel to the Moon in a cannon-propelled capsule, explore the Moon's surface, escape from an underground group of Selenites (lunar inhabitants), and return to Earth with a captive Selenite. It features an ensemble cast of French theatrical performers, led by Méliès himself in the main role of Professor Barbenfouillis, and is filmed in the overly theatrical style for which Méliès became famous.
The film was an internationally popular success on its release, and was extensively pirated by other studios, especially in the United States. Its unusual length, lavish production values, innovative special effects, and emphasis on storytelling were markedly influential on other film-makers and ultimately on the development of narrative film as a whole.
Scholars have commented upon the film's extensive use of pataphysical and anti-imperialist satire, as well as on its wide influence on the film's [illegible] and the French theatrical féerie tradition. Though the film disappeared into obscurity after Méliès's retirement from the film industry, it was rediscovered around 1930, when Méliès's importance to the history of cinema was beginning to be recognized by film devotees. An original hand-colored print was discovered in 1993 and restored in 2011.
(Source: Wikipedia, 2019-07-16)
License: unknown
Source: YouTube
Project: HCH19
No Project Description
Project data
View mode: Info
Basic film statistics
Rights and groups
Duration
12m 52s
Aspect Ratio
1.778:1
Hue
100.146
Saturation
0.023
Lightness
0.219
Volume
0.164
Cuts per Minute
2.488
Rights Level
Private
Guest
Member
Staff
Admin
User
matz
Groups
HCH19
Date Created
July 16, 2019
Last Modified
July 16, 2019
Notes
No notes


Back to Videos
View Timeline
WoMag: Main Features (Matthias Arnold)
Find: All
29a Dovzhenko Earth Vasyl crowd response 2014-06-25 10:06:02
27b Dovzhenko Earth new songs (Alexan...zhenko) 2014-06-24 14:18:05
27a Earth - tractor arrival (Alexan...zhenko) 2014-06-24 14:17:01
VIDEO_3 (Max Stille) 2014-04-17 13:48:11
VIDEO_5 (Max Stille) 2014-04-17 13:39:53
VIDEO_6 (Max Stille) 2014-04-17 13:35:18
VIDEO_7 (Max Stille) 2014-04-17 13:29:41
WoMag: Main Features (Matthi...Arnold) 2013-11-20 17:52:39
Ziziphus Screencast 2013-11...Arnold) 2013-11-20 16:36:09
WoMag: Reading Magazines online ...Arnold) 2013-09-06 17:19:43
WoMag: Searching and Bro...Arnold) 2013-09-06 17:19:16
Devotee Mubina (Suboor Bakht) 2011-08-16 07:34:20
Saleem on tour business (Yousuf... Bakht) 2011-08-12 13:10:42
Saleem on visiting pilgrim... Bakht) 2011-08-12 12:57:40
Chinese Women's Magazines in the Late Qing and Early Republican Periods
http://womag.uni-hd.de
View mode: Timeline
Places
Events
Keywords
No keywords
Descriptions
No descriptions
Transcripts
Chinese Women's Magazines in the Late Qing and Earl
Republican Periods
http://womag.uni-hd.de
Four important Chinese women's magazines (1904-37)
Texts introduce their significance and characteristics.
All availabl issues are digitized and stored in a datab
Browse iss
annotations
Open the issue to view individual pages...
...flip through an issue in double page view...
...or have a matz, December 5, 2014 ues' contents.
Reading the magazines:
Browsing page contents
Open individual pages...
...to explore metadata and annotations.
Information is provided in Chinese and English.
Use our content analysis to further explore the databa
Links on persons lead to a summary page...
...where all items relating to this person are displayed.
Use the Large Size view to read the Chinese text in its form.
Content analysis and annotations:
Browse persons, keywords, and genres

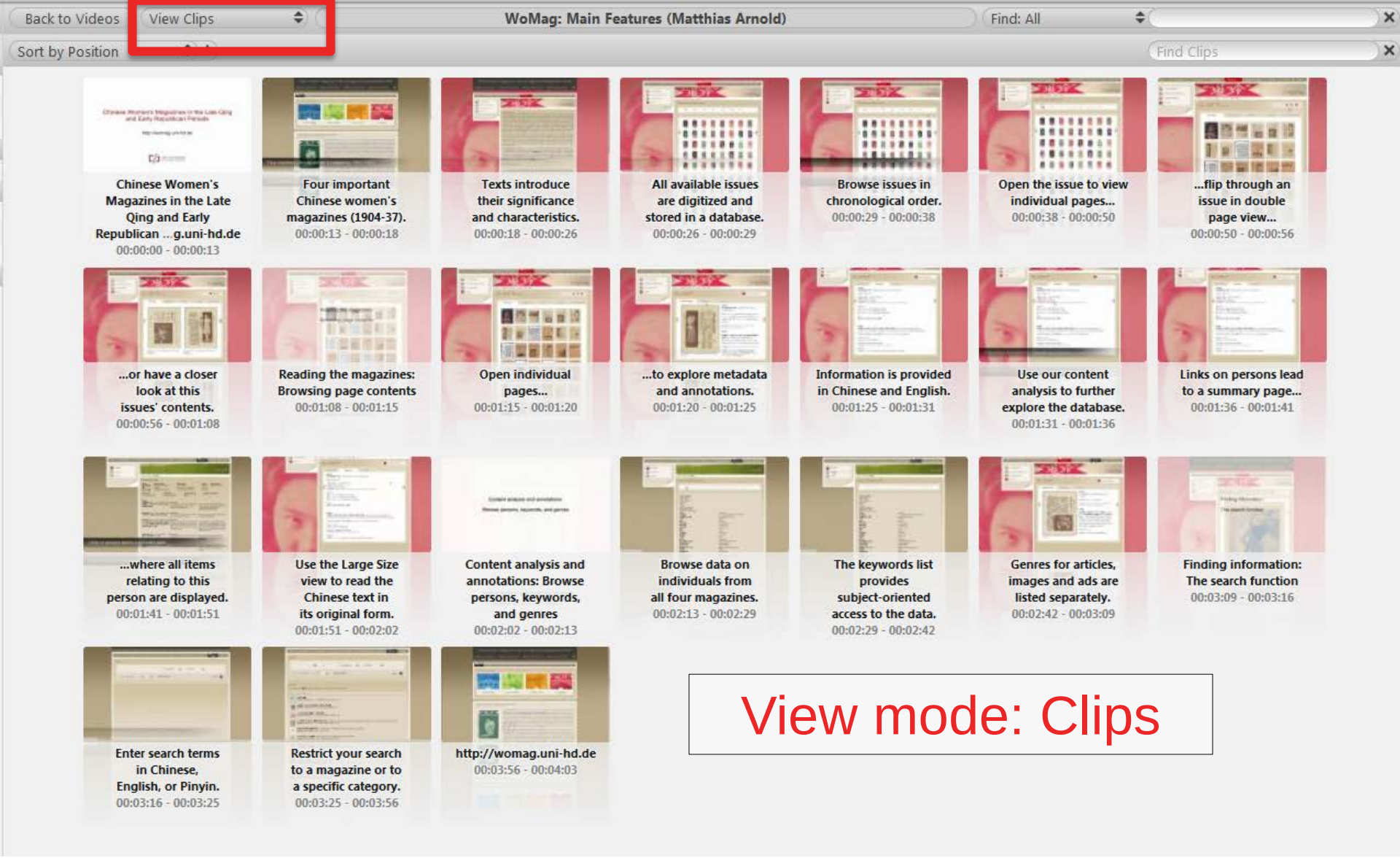
Excursus: timeline visualisations



1&2: each frame reduced to 1x64px

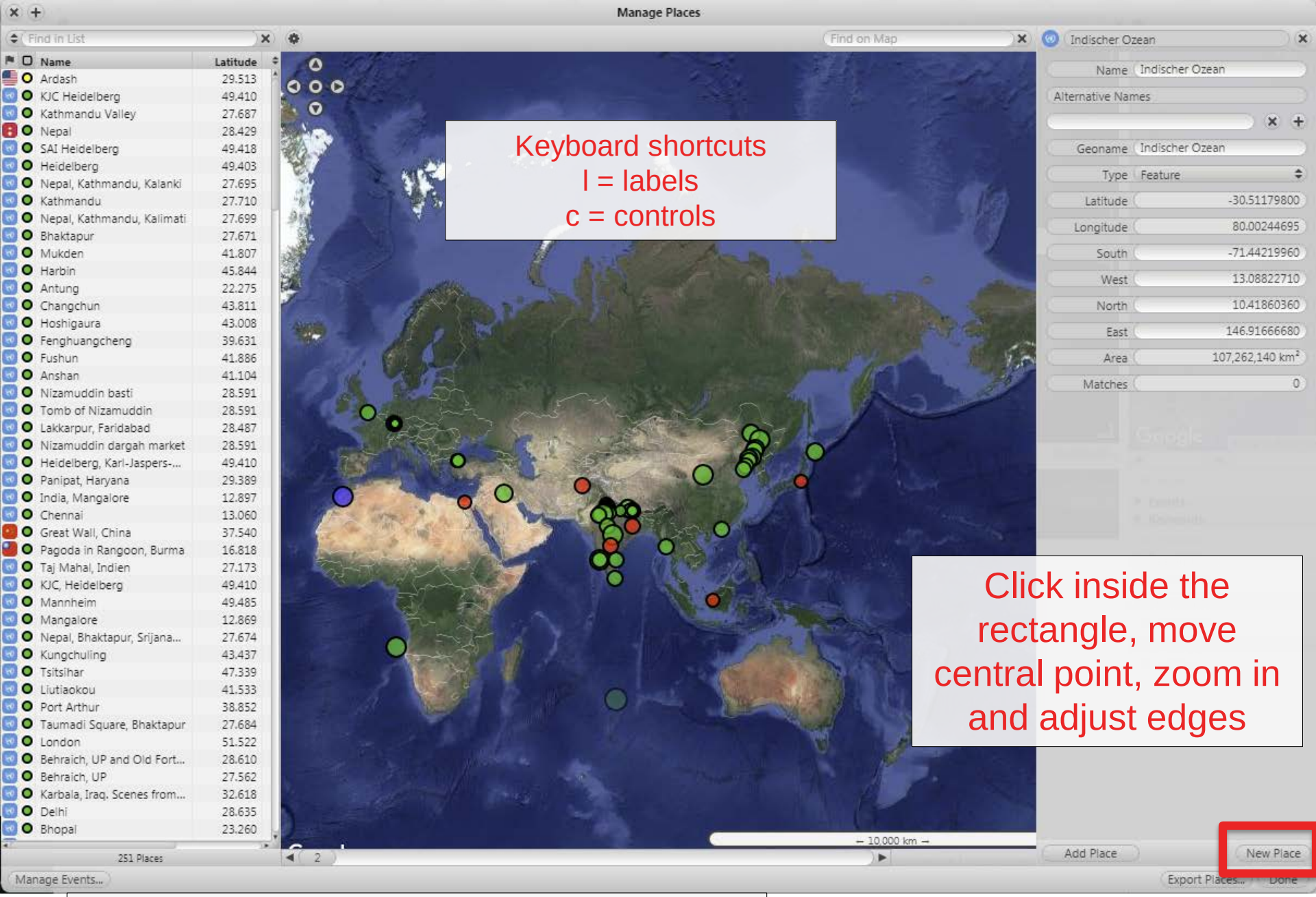
1) Average color full frame width
2) Color of frame center pixels
3) Thumbs of key frames

Other example: https://0xdb.org/0062480/timeline/00:15:53.600



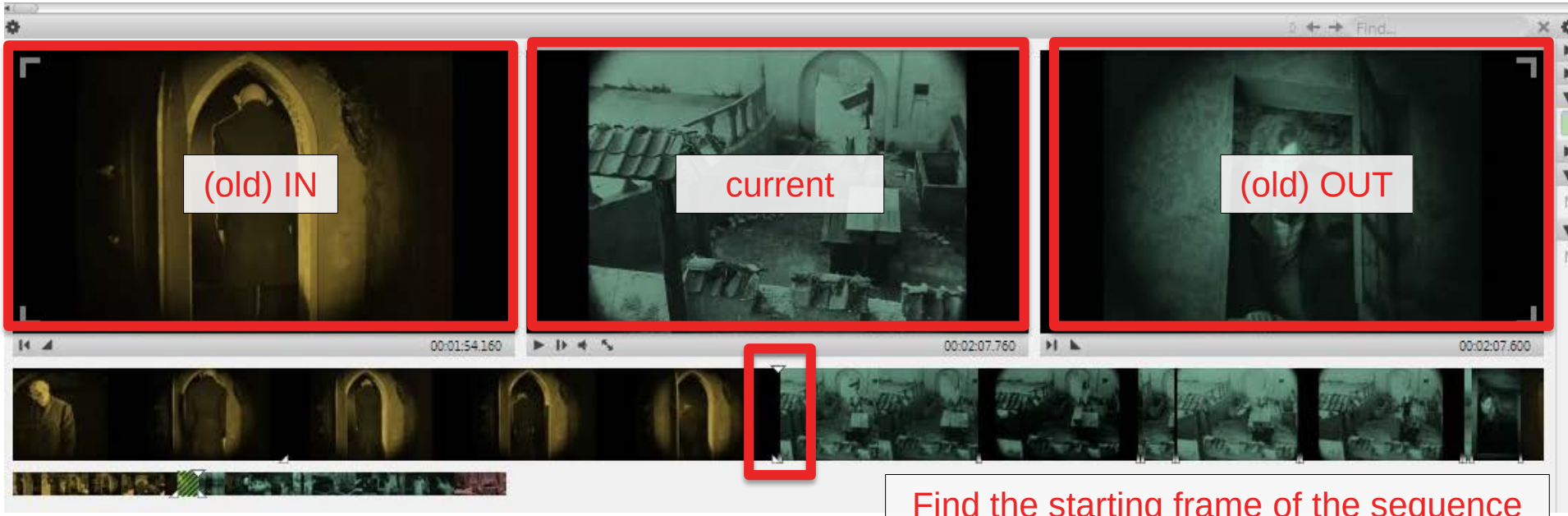
View mode: Clips

Each annotation becomes a clip (can be referenced)



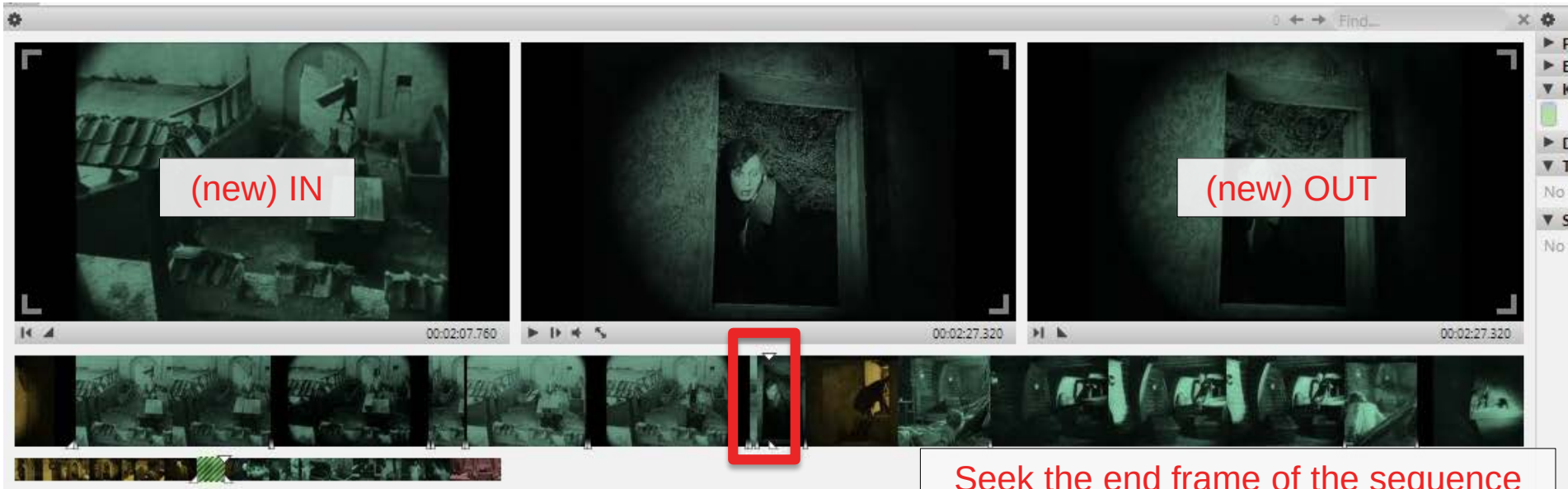
To add new places you will need higher priviledges.

Selecting a sequence



Selecting a sequence

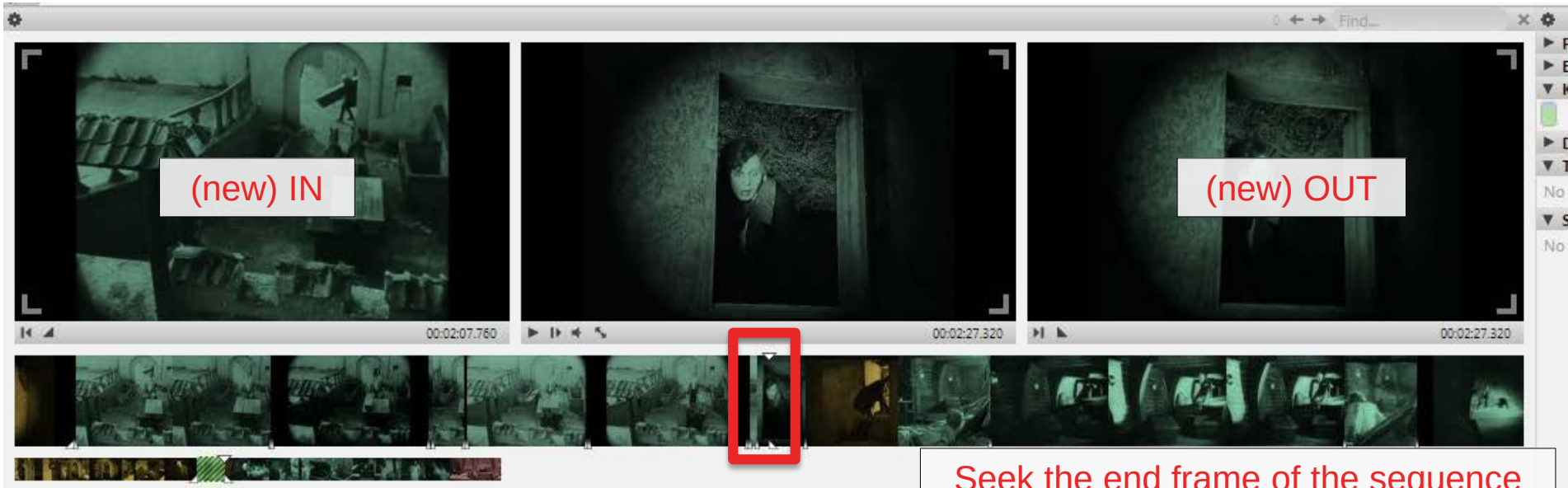
Selecting a sequence



Seek the end frame of the sequence

„o“ sets the OUT-point

Selecting a sequence



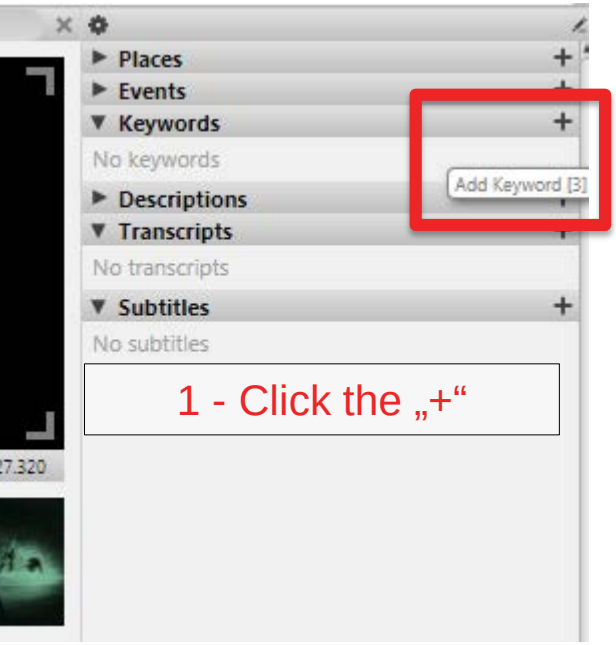
Seek the end frame of the sequence

„o“ sets the OUT-point

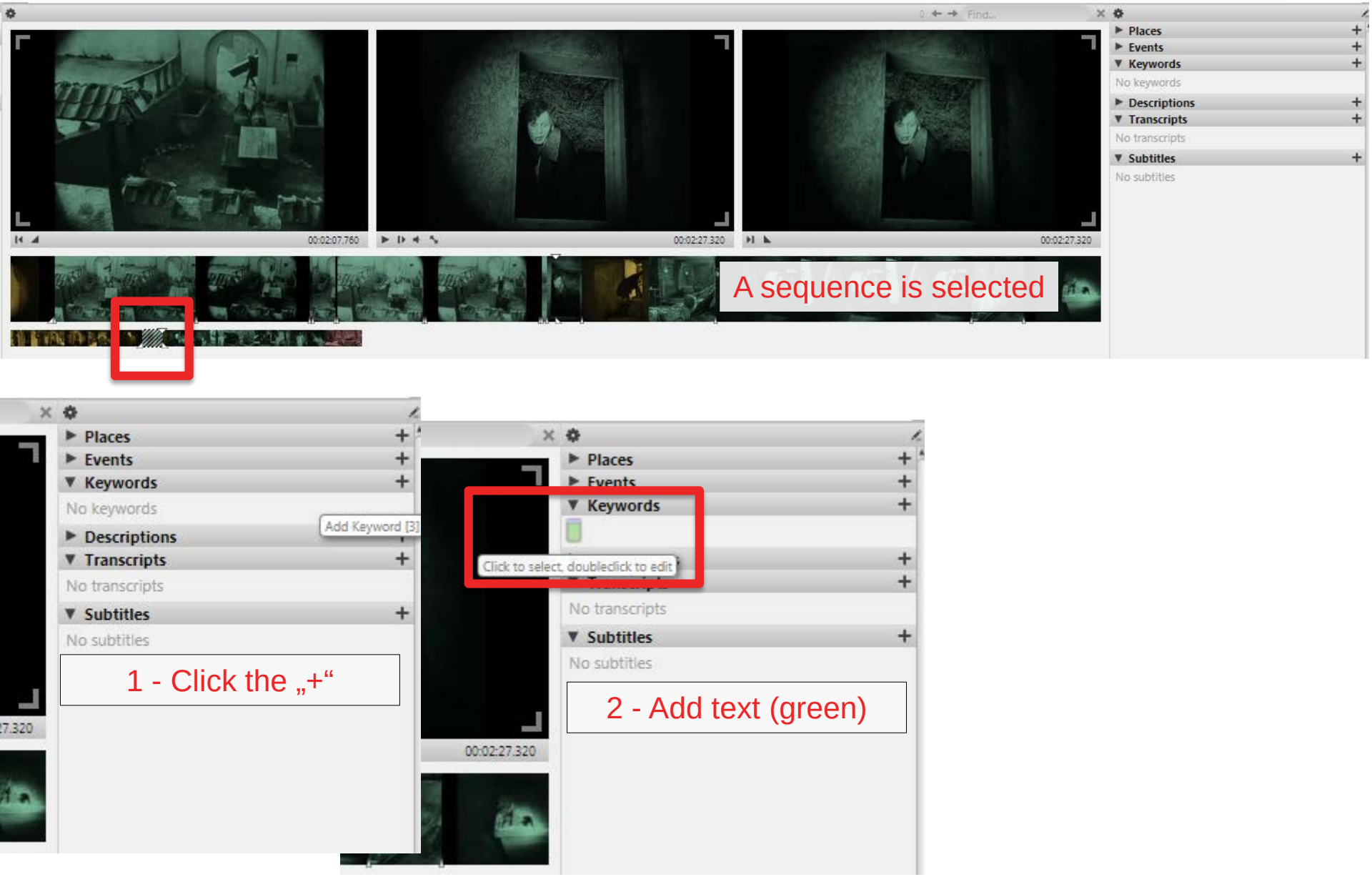
Sequence is now marked as selected

Adding an annotation to a sequence

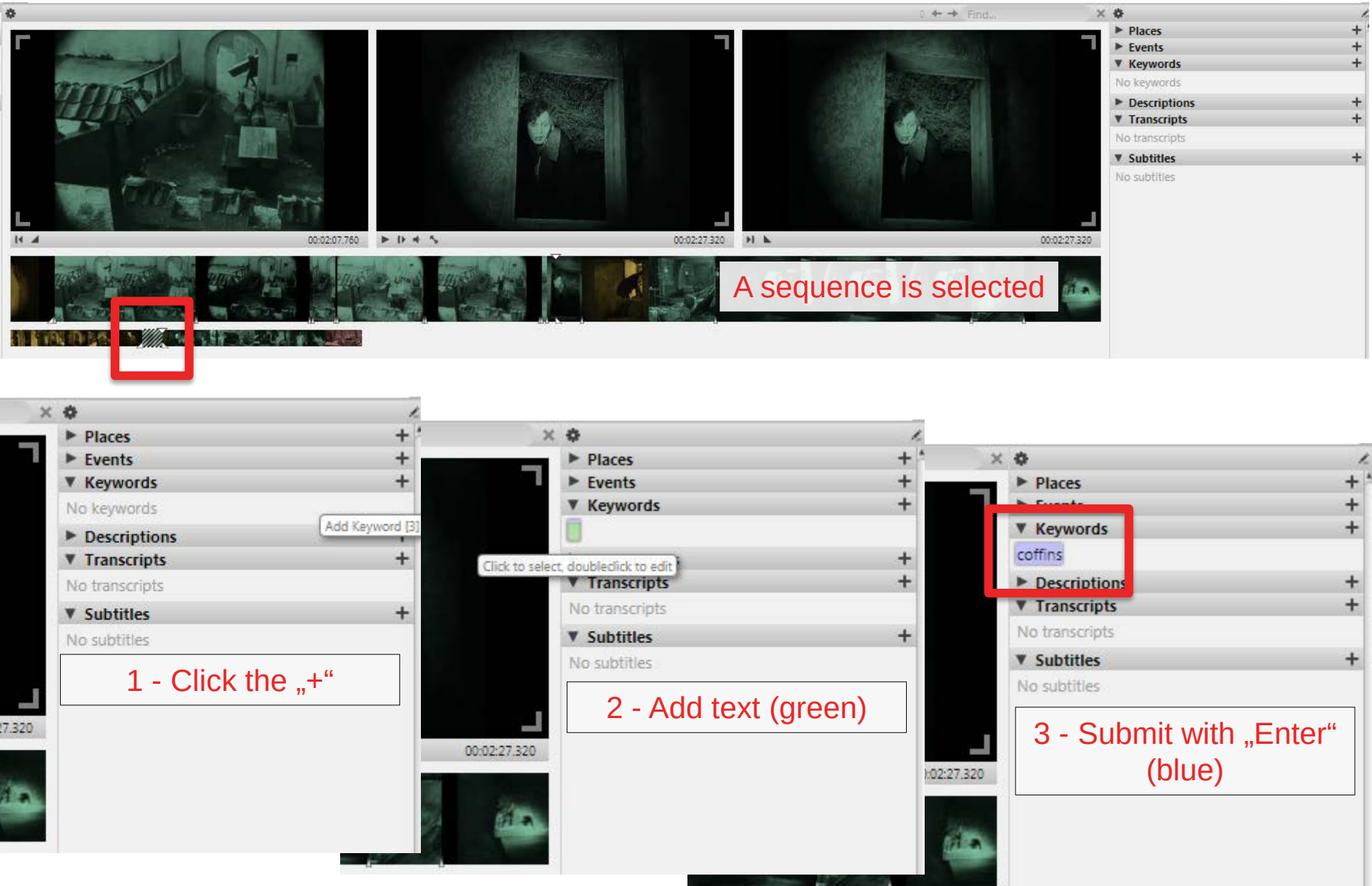
Adding an annotation to a sequence



Adding an annotation to a sequence



Adding an annotation to a sequence



Embedding external documents

1. Annotations my contain HTML, so (accessible) external material can be embedded, e.g. images.
2. We recommend:

```
<figure>
      <img src=“[URL]”>
      <figcaption>[text]</figcaption>
</figure>
```

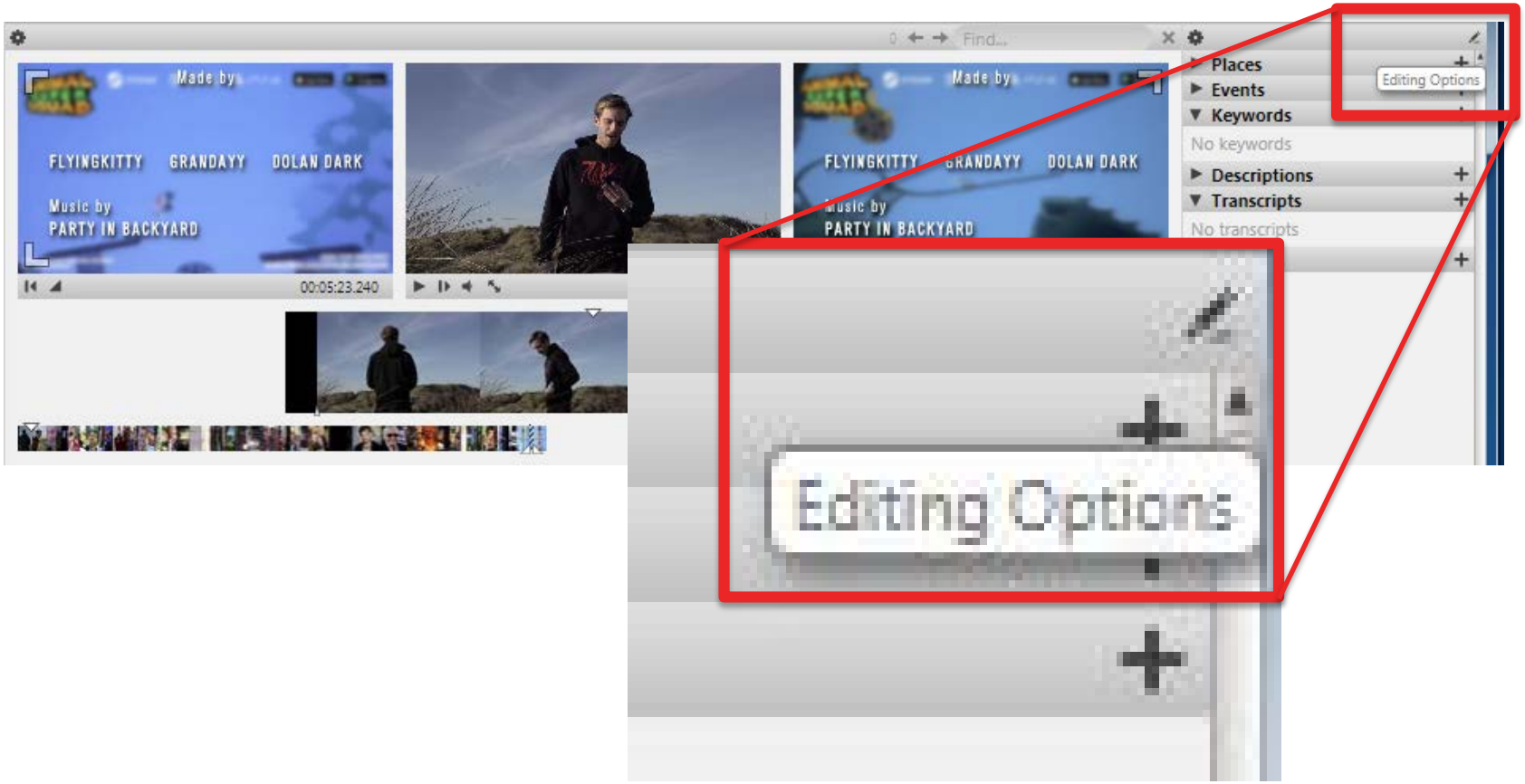
3. Example:

<figure>

<figcaption>Calendar of West Bengal Stores showing the "Howrah Bridge", the "Hoogly" river and the traffic.</figcaption>
</figure>

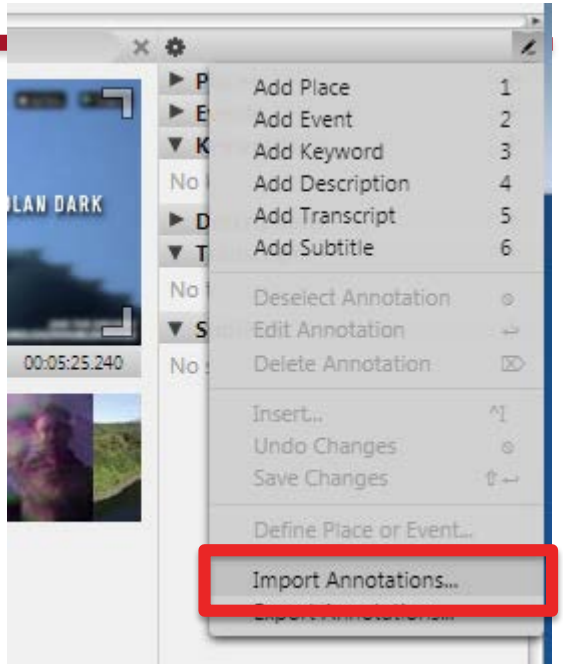
Importing subtitles (srt)

1. Select a movie
2. In „View Editor“ select (very small) pen icon for „Editing Options“



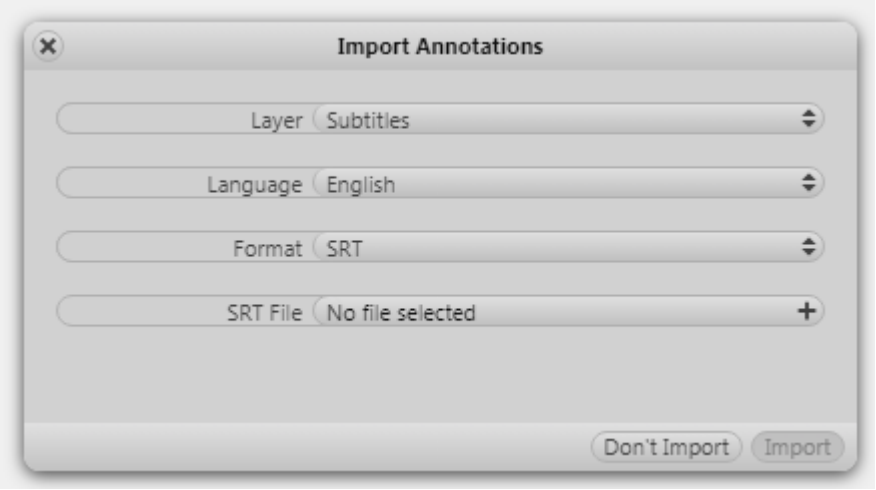
Importing subtitles

3. Select „Import Annotations…“



4. In the following dialog

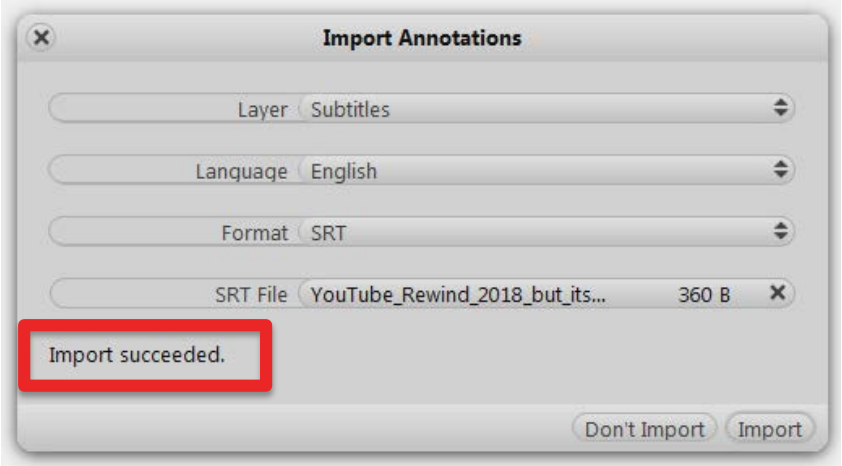
   set „Layer“ = „Subtitles“
   set „Format“ = „SRT“
   set the desired language
   select the .srt file



…then hit „Import“

Importing subtitles

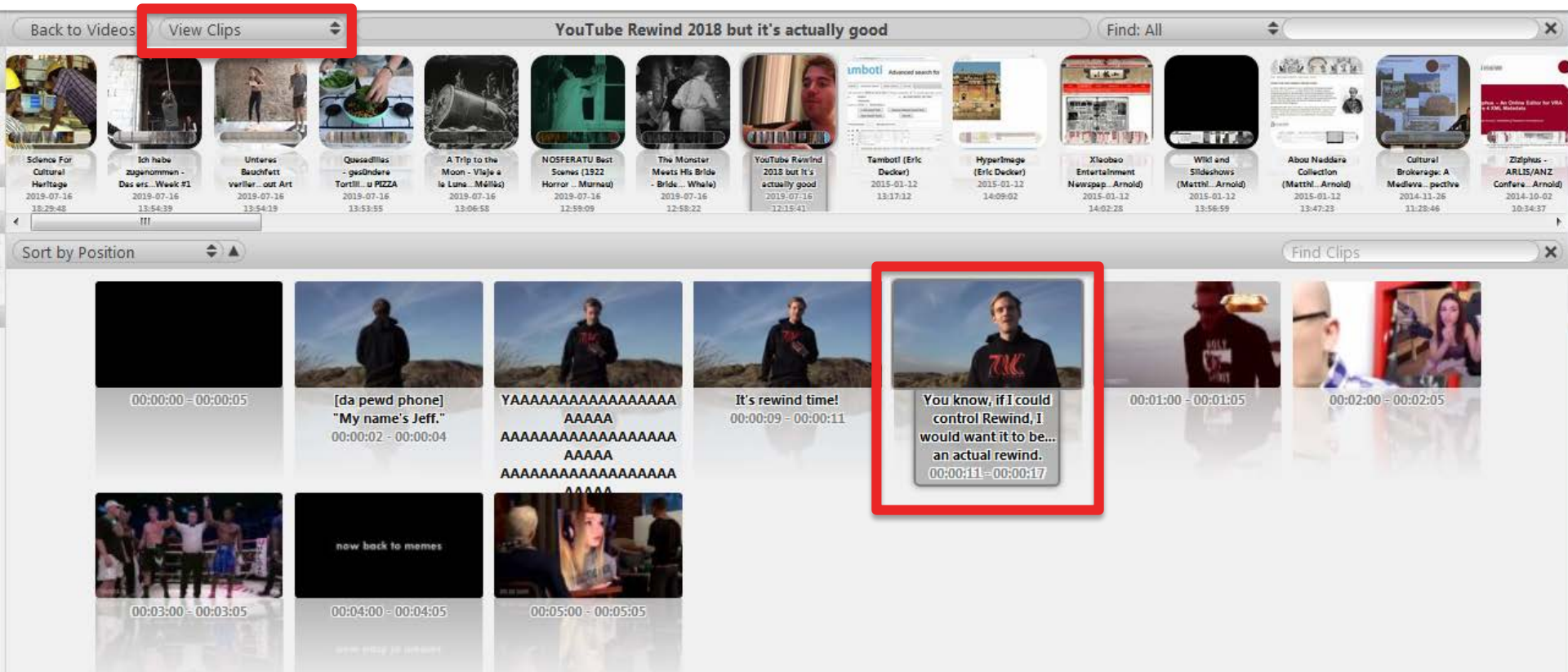
5. Wait for the success message



To delete individual annotations, select them and hit the „Delete“ key.

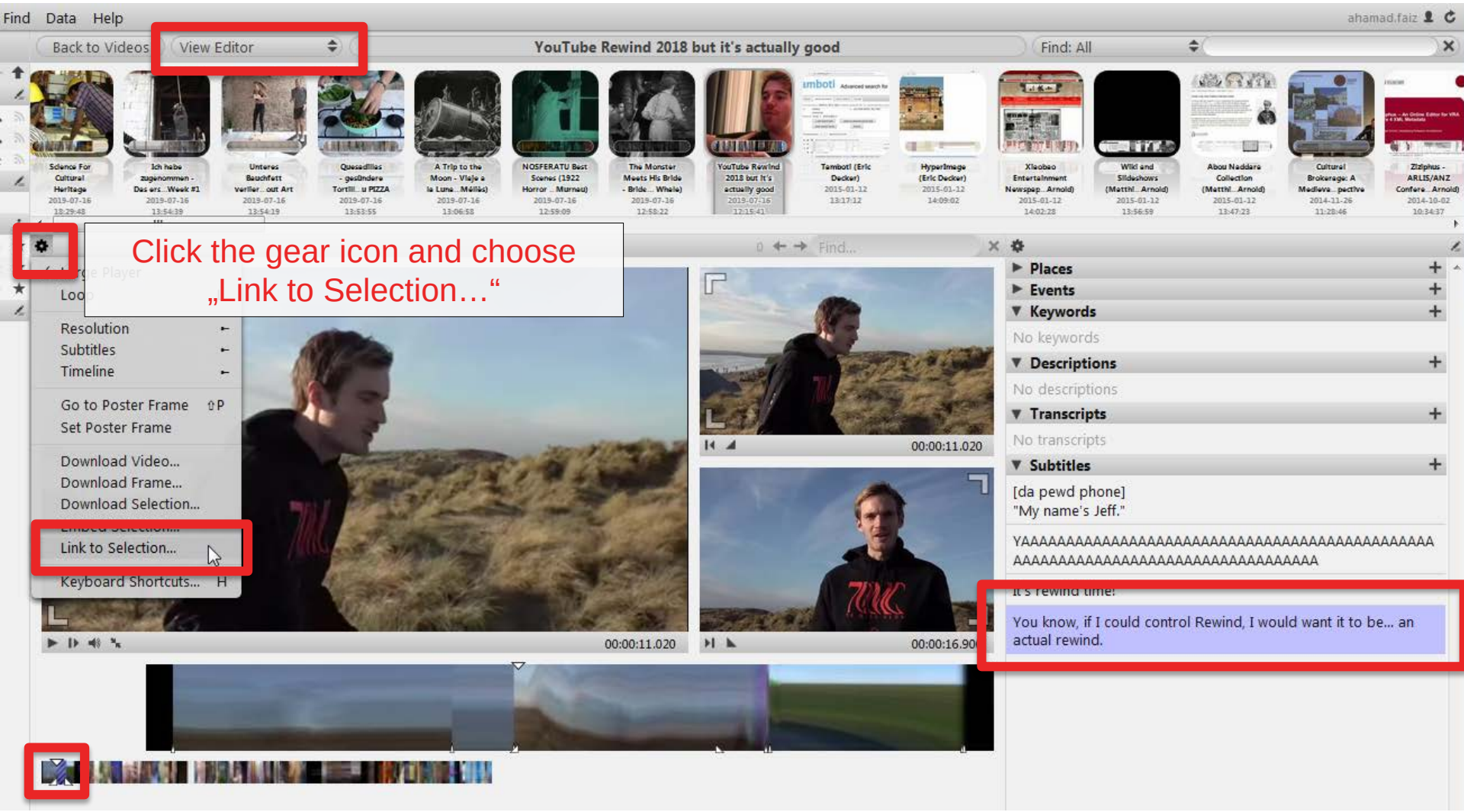
Referencing annotations

1. Annotations can be referenced by URL. All you need to do is to find out the link to your annotation.
2. Switch to „View Clips“, select the annotation and double-click it.


Back to Videos
View Clips
YouTube Rewind 2018 but it's actually good
Find: All
Sort by Position
Find Clips
00:00:00 - 00:00:05
[da pewd phone]
"My name's Jeff."
00:00:02 - 00:00:04
YAAA

Referencing annotations

3. You‘ll switch to „Editor“ mode, with the annotation selected.

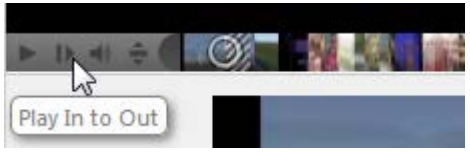

Find Data Help
ahamad.faiz
Back to Videos
View Editor
YouTube Rewind 2018 but it's actually good
Find: All
Click the gear icon and choose „Link to Selection…“
Resolution
Subtitles
Timeline
Go to Poster Frame ⇧P
Set Poster Frame
Download Video...
Download Frame...
Download Selection...
Link to Selection...
Keyboard Shortcuts... H
00:00:11.020
00:00:11.020
00:00:16.90
Places
Events
Keywords
No keywords
Descriptions
No descriptions
Transcripts
No transcripts
Subtitles
[da pewd phone]
"My name's Jeff."
YAAA

Referencing annotations

4. Copy the URL from the @href value.
   In this example:
   http://zo-pandora.zo.uni-heidelberg.de/BFE/11.02,16.9

5. This URL points directly to the annotated sequence of the full video.

6. To make sure that only the sequence is played in „Player“ mode, use the „Play In to Out“ instead of the „normal“ „Play“.



Embedding videos

1. With player (iframe)

   <iframe width="513" height="360"
   src="https://zo-pandora.zo.uni-heidelberg.de/ON/player#embed"
   frameborder="0" allowfullscreen></iframe>

2. Link with explicit resolution

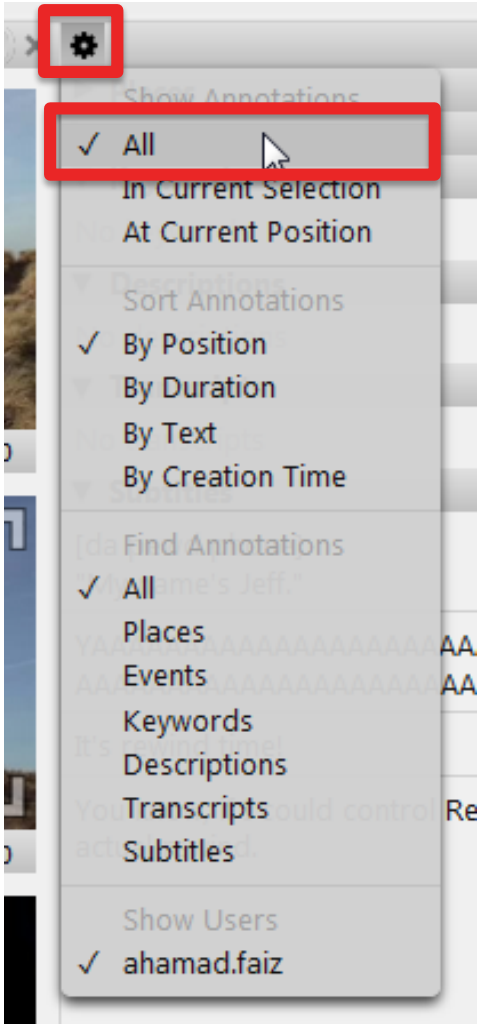
   480p, 240p, 96p

   <video width="640" height="360"
   src="https://zo-pandora.zo.uni-heidelberg.de/ON/480p.webm"
   controls autobuffer>

   Direct link
   https://zo-pandora.zo.uni-heidelberg.de/ON/480p.webm

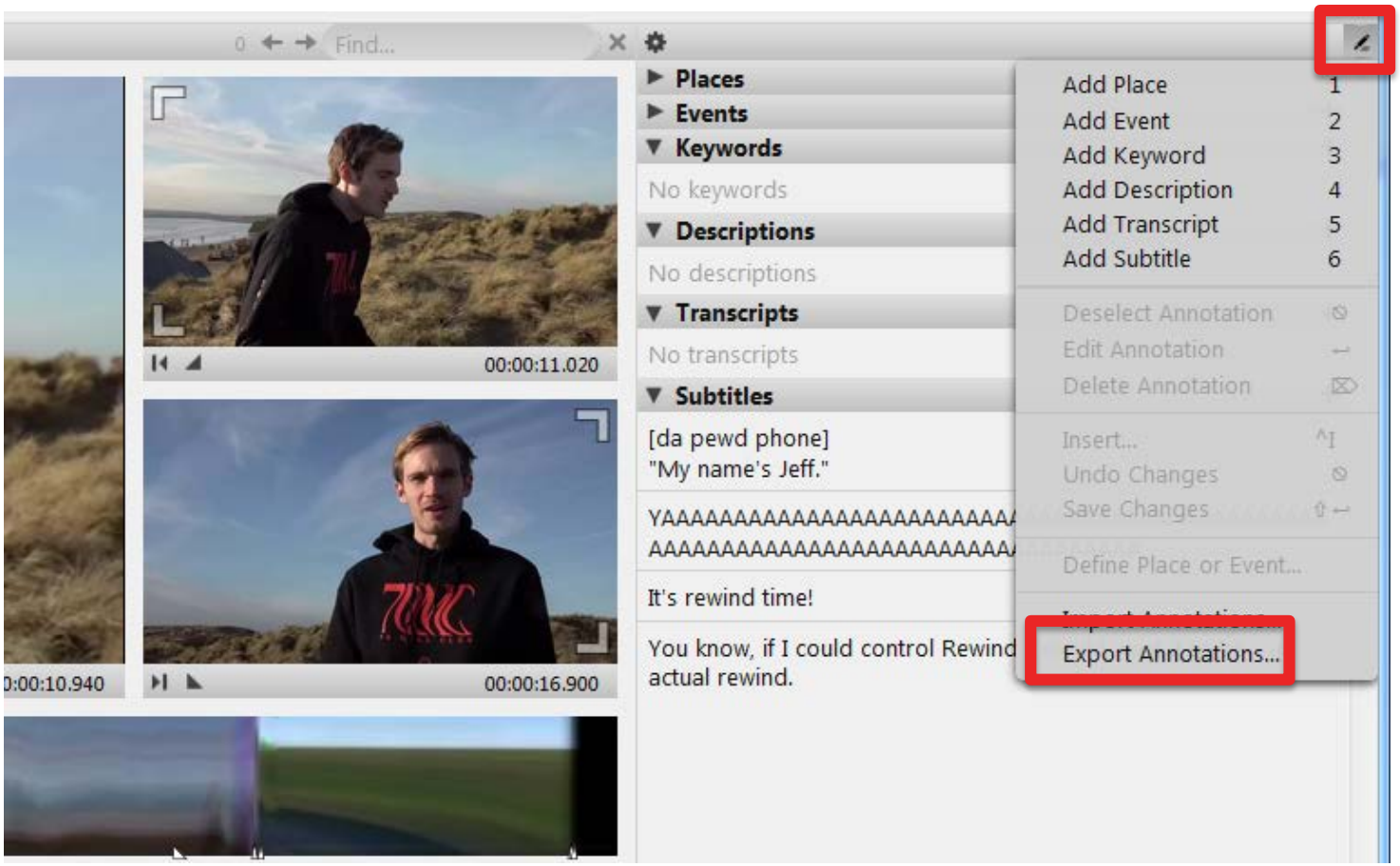
Exporting annotations

1. All annotations can be exported (per layer) in either .srt or .json format.
2. In „Editor“ mode make sure, all annotations you wish to export are visible.
3. You can export „All“ annotations, or just those assigned to the current selection, or just those at the current position.
   It is also possible to only export annotations of individual users.



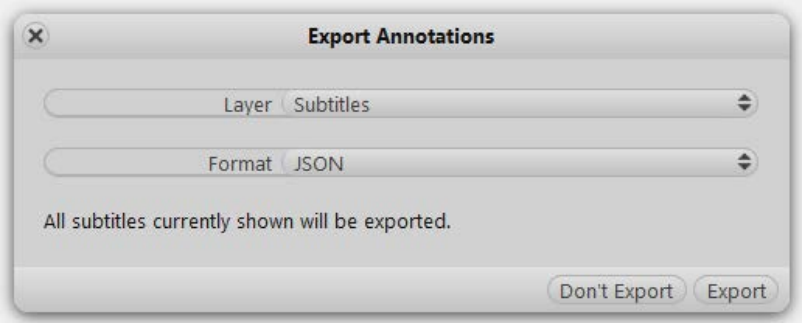
Exporting annotations

4. In „Editor“ mode find the pen icon and select „Export annotations…“



Exporting annotations

3. In the following dialog select layer and format, then hit „Export“.




```
[
    {
        "in": 2.24,
        "out": 4.02,
        "text": "[da pewd phone]<br>\n\"My name's Jeff.\""
    },
    {
        "in": 6,
        "out": 8.4,
        "text": "YAAA
```

Multilingual annotations

1. Annotations can be provided in multiple languages. When the clip is playing, users can switch between different languages.
2. Multilingual versions of annotations can be added in 2 ways:
    1. Importing annotations in individual languages (by layer, from .srt)
    2. Specifying the language of annotations (by annotation, in html)
        1. Das ist Deutsch.
        2. This is English.
        3. 這是中文.
    3. https://wiki.0x2620.org/wiki/pandora/MultilingualAnnotations#MultilingualAnnotations

Wrap-up

Group work

- What is video annotation?

- What should it do (for you and in general)?
- What do you expect?

- Form groups and note down keywords (no sentences)

Download material and contact

Download sample movies and data files

https://heibox.uni-heidelberg.de/d/6db6d789a7/

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Thank You!