Collaboration, Preservation and Sustainability in Digital Humanities: a question of time

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DH 2023 - Graz

Interdisciplinary collaborative practices - context

- <u>AdA</u> project ("audio-visual rhetorics of affect")
- Film studies (FU Berlin) & computational sciences (HPI Potsdam)
- Analysis of temporal dynamics of audiovisual expressivity
- Methodology of film analysis + computational video analysis + semantic video annotation

→ Groundwork for collaborative annotation process: AdA Filmontology

https://projectada.github.io/
https://www.ada.cinepoetics.fu-berlin.de/en/
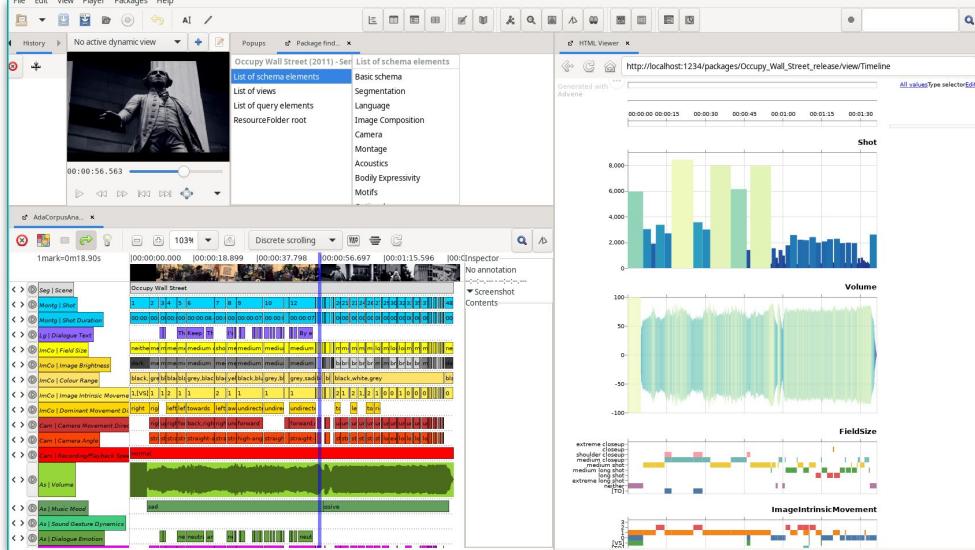
Advene project

[Advene software](#) – for movie annotation, using flexible data structures, and hypervideo authoring

www.advene.org

Evolutions during the AdA project
- improved semantic web support (ontologies)
- feature extraction plugins
- UI optimisation and extension
- general maintenance (python2->3, etc)

Co-Building a Digital Humanities tool

Genealogy of an annotation timeline for the analysis of film (& other time-based media)

From 'tool development' to 'instrumental genesis': importance of methodical & theoretical reflections in interdisciplinary DH-projects
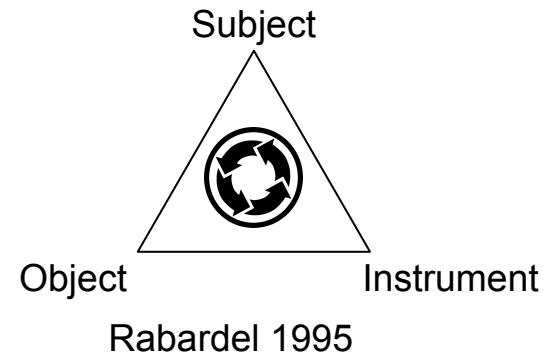
Aubert, Scherer, Stratil 2021
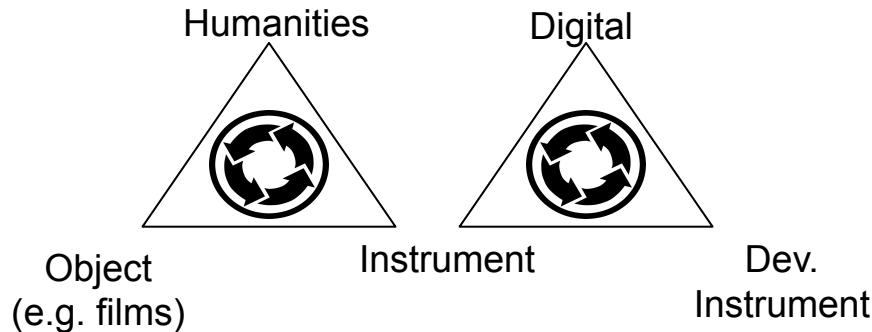
Instrumental genesis

co-evolution of the instruments
and the practices they make possible.

Subject

Object   Instrument

Rabardel 1995
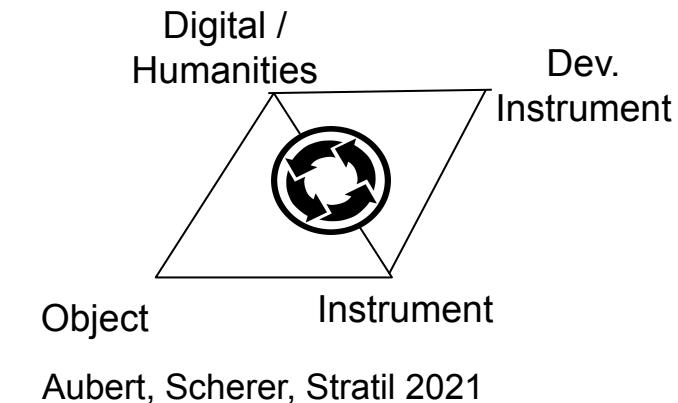
Interdisciplinary instrumental genesis

From distinct concerns...

Humanities   Digital

Object
(e.g. films)   Instrument   Dev.
                           Instrument
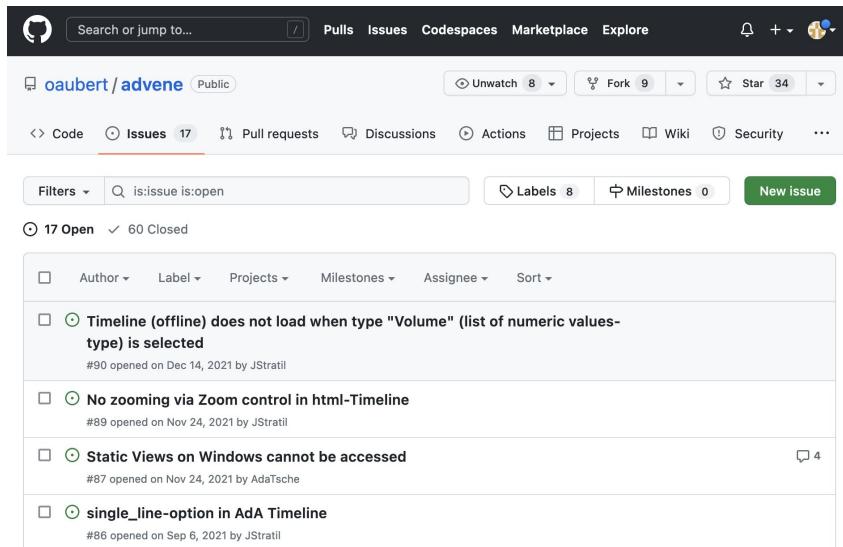
… to shared practices and interests

Digital /
Humanities   Dev.
                 Instrument

Object   Instrument

Aubert, Scherer, Stratil 2021
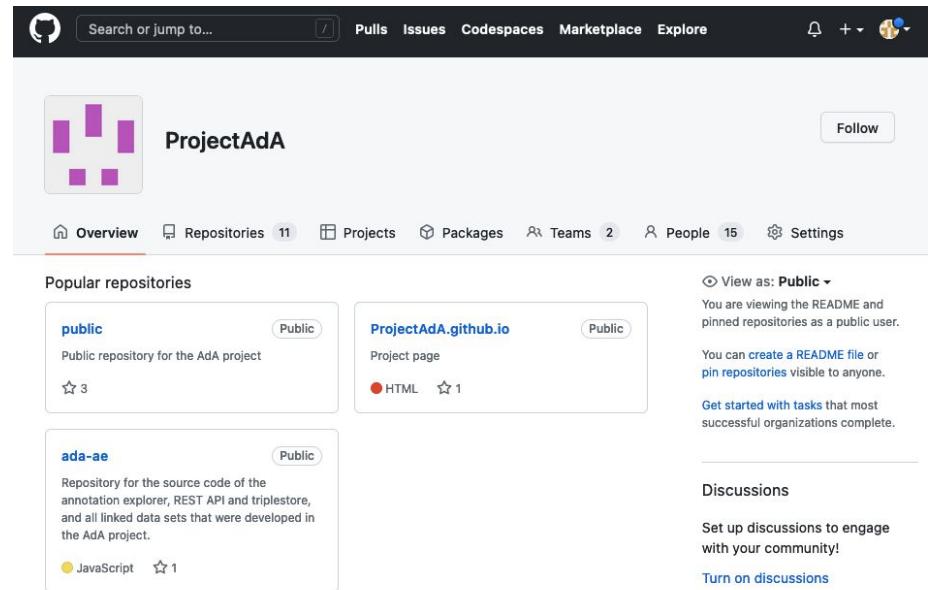
Collaboration Tooling & technical workflows

GitHub

Timescales to consider: before funding period

Cinepoetics – Center for Advanced Film Studies 2015-2024

Funded Projects

Earlier projects
eMAEX-Annotation routine

AdA project 2016-2021

Tasks

Tools

Advene

Earlier projects / collaborations

Maintenance

Technological context

Libraries, Operating systems, Platforms (GitHub, Zenodo)...
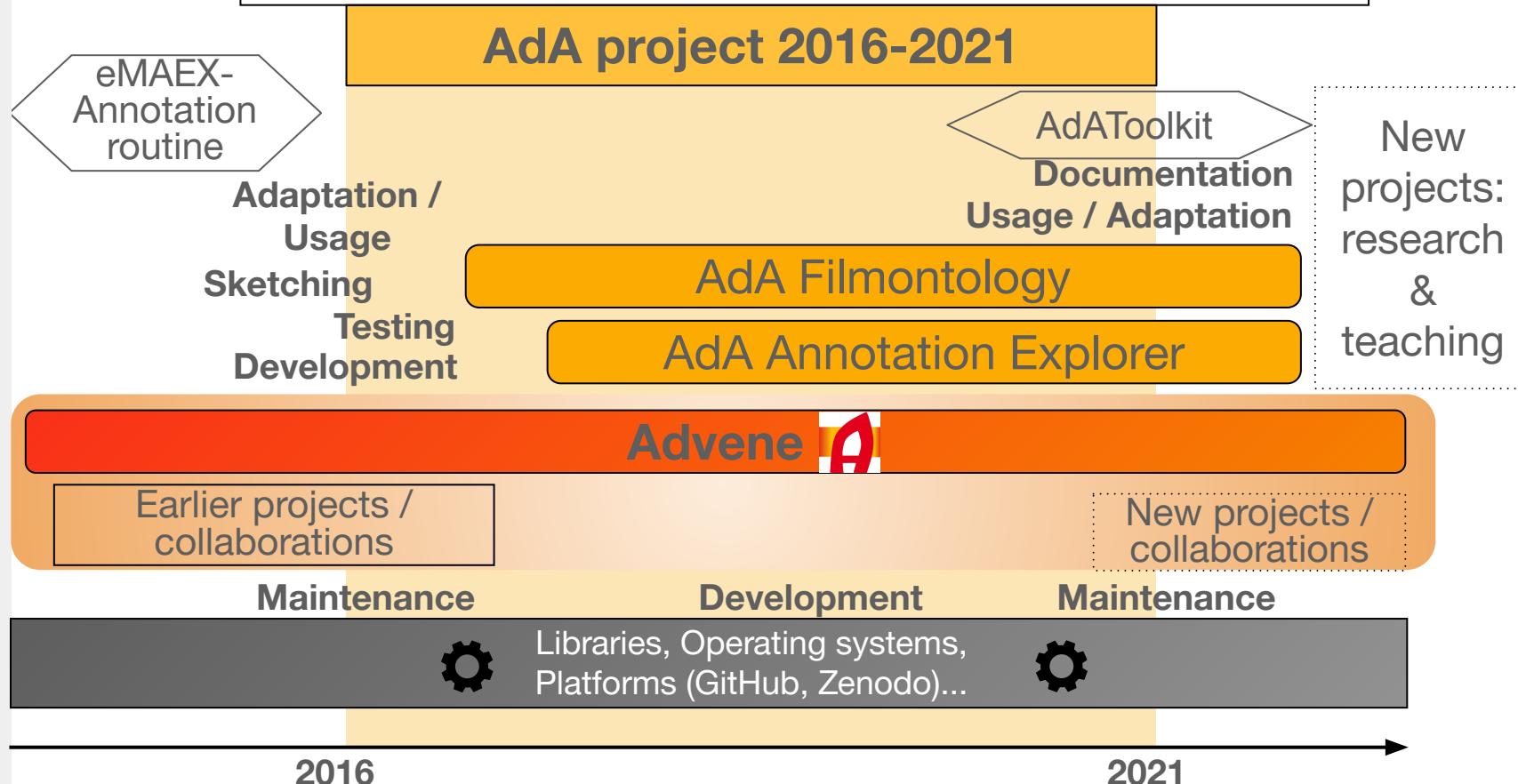
Time

2016
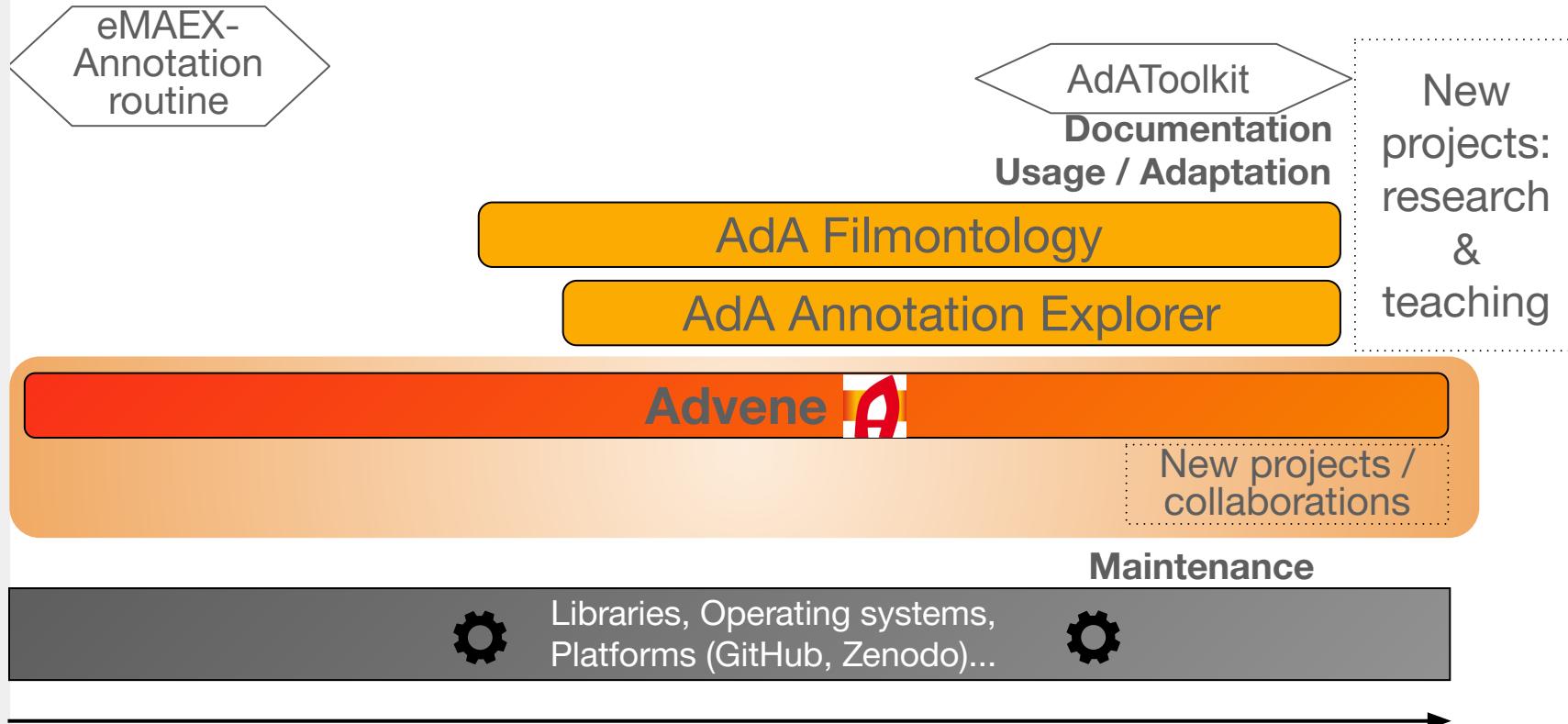
2021

Timescales to consider: during and beyond funding period

Cinepoetics – Center for Advanced Film Studies 2015-2024

AdA project 2016-2021

eMAEX-Annotation routine

AdAToolkit

Documentation
Usage / Adaptation

New projects: research & teaching

Adaptation /
Usage

Sketching

AdA Filmontology

Testing

AdA Annotation Explorer

Development

Advene

Earlier projects / collaborations

New projects / collaborations

Maintenance   **Development**   **Maintenance**

Libraries, Operating systems, Platforms (GitHub, Zenodo)...

2016   **2021**

Timescales to consider: beyond funding period

https://projectada.github.io/

eMAEX-
Annotation
routine

AdAToolkit

Documentation
Usage / Adaptation

New
projects:
research
&
teaching

AdA Filmontology

AdA Annotation Explorer

Advene

New projects /
collaborations

Maintenance

Libraries, Operating systems,
Platforms (GitHub, Zenodo)...

References
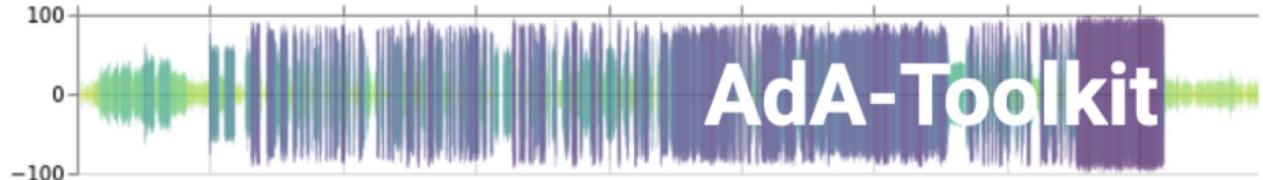
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Bakels, Jan-Hendrik / Grotkopp, Matthias / Scherer, Thomas / Stratil, Jasper (2020): "Matching Computational Analysis and Human Experience: Performative Arts and the Digital Humanities." *DHQ: Digital Humanities Quarterly* 14 (4). http://www.digitalhumanities.org/dhq/vol/14/4/000496/000496.html.

Rabardel, Pierre (1995): *Les hommes et les technologies, une approche cognitive des instruments contemporains*, Armand Colin, Paris.

El Khatib, Randa / Wrisley, David Joseph / Elbassuoni, Shady / Jaber, Mohamad / El Zini, Julia (2019): "Prototyping Across the Disciplines", in: *Digital Studies/Le champ numérique*, 8, 1, p.10. DOI: 10.16995/dscn.282.

Pargman, Teresa Cerratto / Nouri, Jalal / Milrad, Marcelo (2018). "Taking an instrumental genesis lens: New insights into collaborative mobile learning". *British Journal of Educational Technology*, *49*(2), 219-234.

Advene – Video annotation and hypervideo authoring: https://advene.org/
AdA Timeline DEMO: https://olivieraubert.net/hpi/timeline.html
AdA project: https://www.ada.cinepoetics.fu-berlin.de/en/index.html / https://projectada.github.io/
AdA Annotation Explorer: https://project1.ada.cinepoetics.org/explorer/

https://www.ada.cinepoetics.fu-berlin.de/en/ada-toolkit/

AdA Filmontology
– Levels, Types, Values

English version
Version 1.0 / July 2021

by Thomas Scherer, Jasper Stratil, Yvonne Pfeilschifter, Rebecca Zorko, Anton Buzal, João Pedro Prado, Henning Agt-Rickauer, Christian Hentschel, Harald Sack, Matthias Grotkopp, and Jan-Hendrik Bakels

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Manual:
Annotating with Advene and the AdA Filmontology

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English version (a German version can be downloaded here)
Translated by Stefan Iacob

Version 1.0 (June 2021)
Advene: version 3.13
AdA Filmontology: version 1.0

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Hinweise zum kollaborativen Annotieren mit der AdA-Filmontologie

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AdA Annotation Explorer

https://project1.ada.cinepoetics.org/explorer/