WWW.memorekall.com - contact@memorekall.com

DH2023 Conference Graz, Austria Wednesday 12th July, 11:00 – 12:30



From MemoRekall to MemoRekall-IIIF Developing a video annotation web application in the context of citizen science co-creation practices

Clarisse Bardiot, David Rouquet, Jacob Hart, Alexandre Michaan, Irénée Blin, Mei Menassel, Sébastian Hildebrand, Stefania Ferrando, Cosetta Graffione, Daniele Marranca

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Storyboard dessiné par Claire Bardainne servant également de conduite pour les répétitions. Décembre 2013, mis à jour en 2014 © Claire Bardain... Adrien M & Claire B

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> Représentation de Hakanaï à l'espace Lino Ventura. Garges-lès-Gonesse, février 2016 © Adrien M & Claire B Adrien M & Claire B

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#1 Introduction

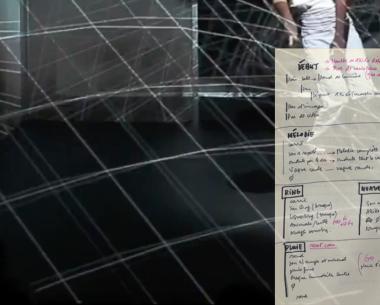
Recording

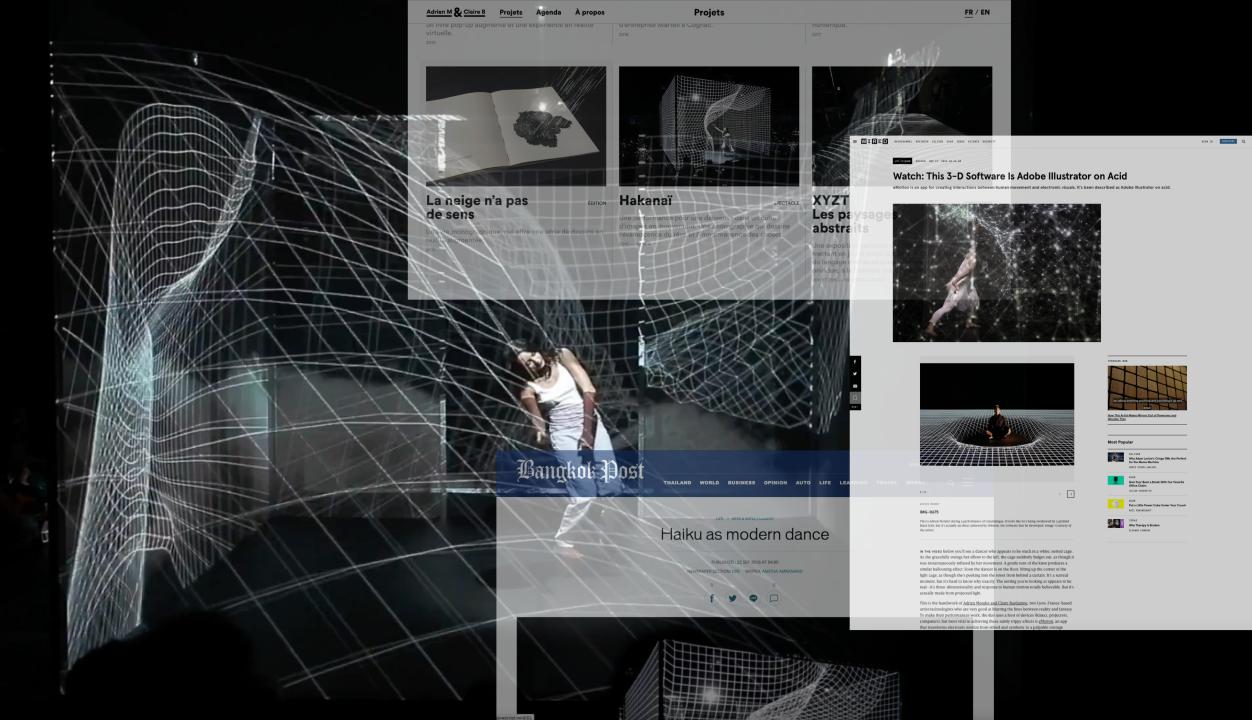
I would like to **preserve** or **document** a performance, a creative process, a phenomenon that takes place in time...

I film the process and make a video

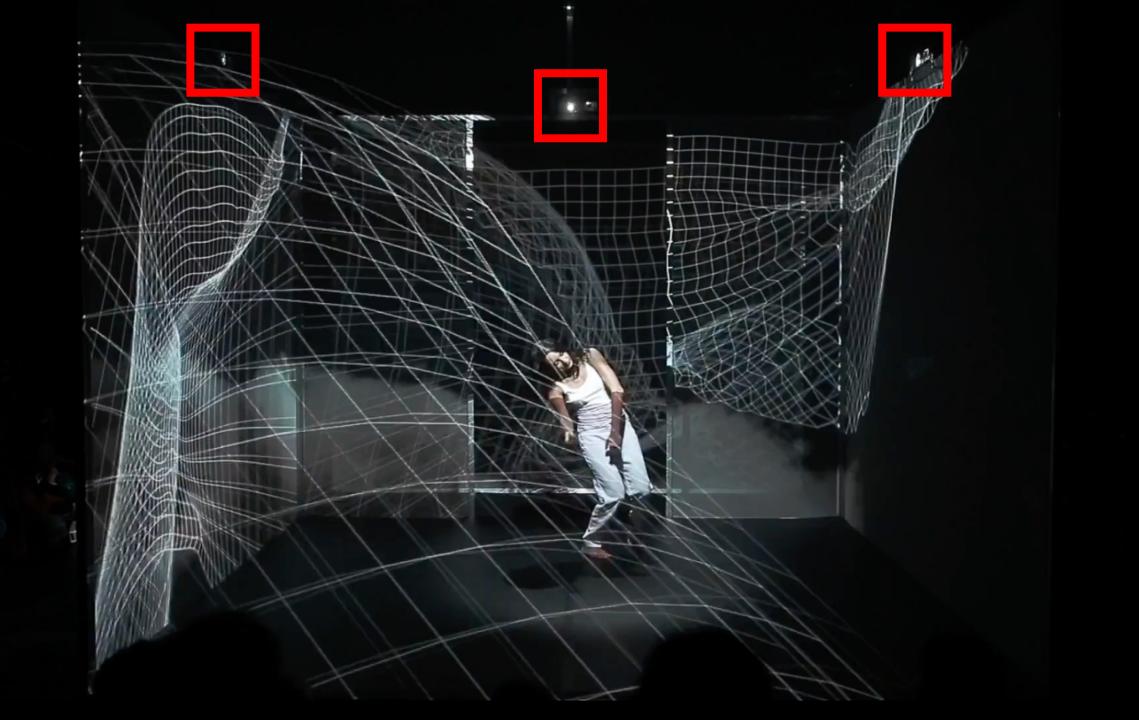
I stock my video online

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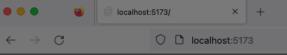
"The grid transforms into cloth..."



MemoRekall

A free and open source web app.

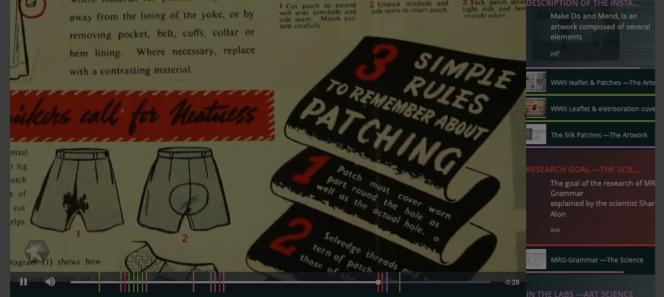
Allows for the **annotation of videos** with **multimodal documents** (videos, images, audio documents, annotation etc.)



Mon site web

Create *capsules*

A new document which can be shared and embedded.



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Uses and Users

Preservation Documentation Publication Pedagogy Communication

Researchers Artists Cultural Institutions Teachers and Students Cultural Mediators

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Citizen science and co-creation practices

"Knowledge production is [...] a **dynamic**, **multidirectional** and **interactive process** that is heavily dependent on **collaborative** efforts [...]

Demonstrative societal impact of research is not only the result of rigorous academic work but to a large extent depends on the **absorptive capacity** and readiness of stakeholders to **integrate research into practice**.

SSH impact occurs in an **iterative process of interaction** between academic and non-academic stakeholders across different time scales, different locations, and different sectors."

Cavalier and Kennedy, 2016

COSNIC https://www.fedec.eu/en/cosmic

FEDEC

CO-creating and Sharing digital Methodologies in Circus education

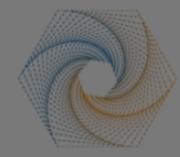
Supported by the **FFED**, the **FEDEC** and financed by **Erasmus+**.

Development of MemoRekall as a pedagogical tool.

CO-creating and Sharing digital Methodologies In Circus education



https://coeso.hypotheses.org/



- Collaborative Engagement on Societal Issues Project
 - A Horizon 2020 project.



MemoRekall used for the **documentation** of a research and creative process, and to **communicate** the results.





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NemoRekall

Représentation de Hakanaï à l'espace Lino Ventura. Garges-lès-Gonesse, février 2016 © Adrien M & Claire B Adrien M & Claire B

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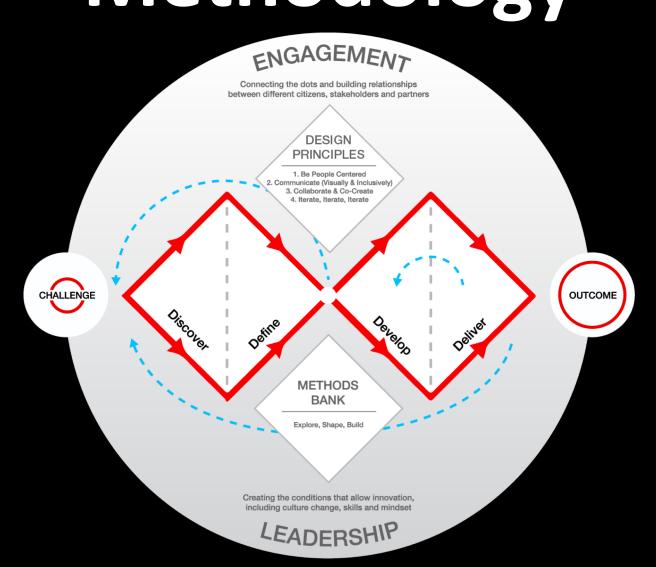
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Methodology



"Framework for Innovation: Design Council's Evolved Double Diamond" 2019

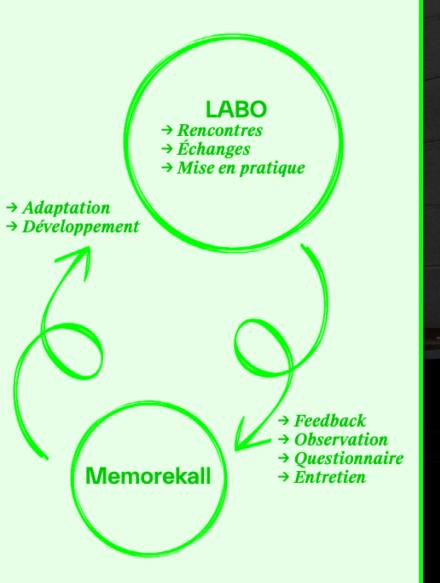
Workshop Sessions

Two **phases**:

- Exploration phase
 - Verbalization of participant's expectations.
 - Observation and analysis of possibilities and limitations of the existing interface.
 - <u>"Who? What? How? Why?"</u> method.
- **Development** phase
 - Convergence around specific needs and desired features.
 - Group decisions on the importance of proposals.
 - Creation of interface mock-ups.
 - Development plan communicated to IT specialists for development.

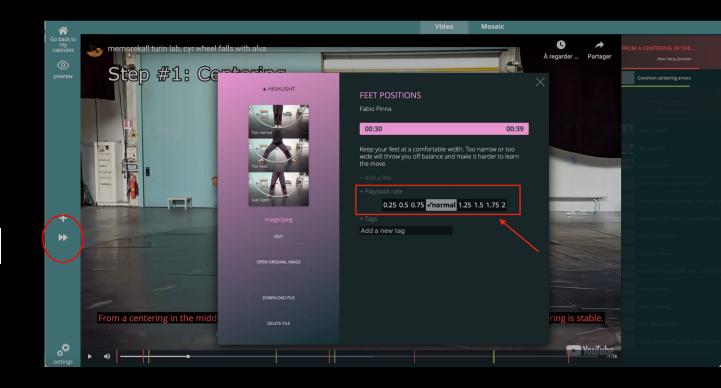
Rinse and repeat!

CO-DESIGN MEMOREKALL



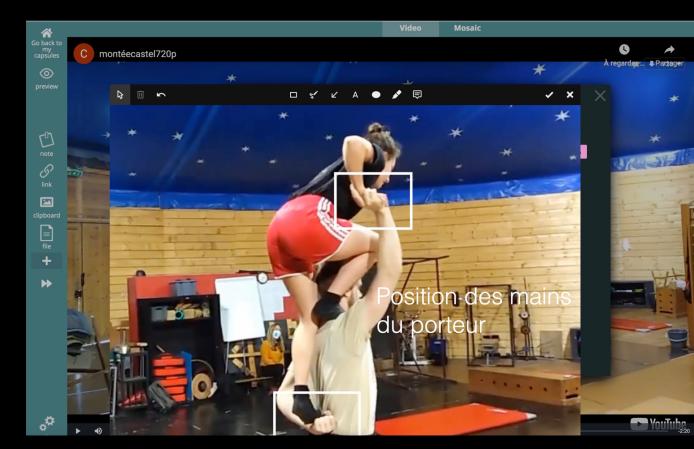
How can I change the rate of video playback?

Added feature: control of video playback speed on global and annotation levels.



How can I create visual annotations on top of the video?

Added feature: screenshot editing annotation.



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#44 From MemoRena Relation de Hakana A Ispace Lino Ventura.

To MemoRekal-III

QUETTE 3D Maquette en 3D de la scénographie. 2012 © Adrien M & Claire B

Garges-lès-Gonesse, février 2016 drien M & Claire B Adrien M & Claire B

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COESO Project

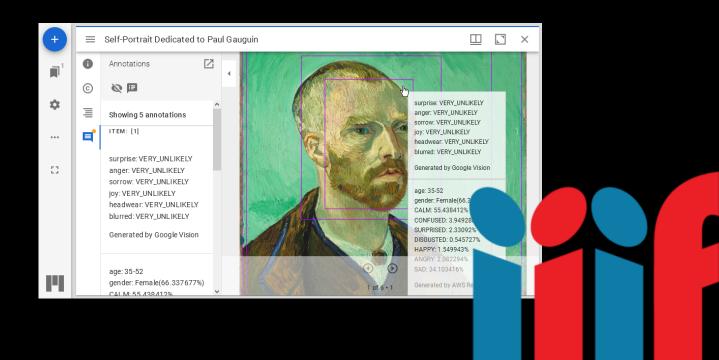
New questions...

- How can we expand MemoRekall's capacity to **link documents**?
- Is the video recording always the main document?
- How to explain documents like
 Laban notation scores to a general audience?



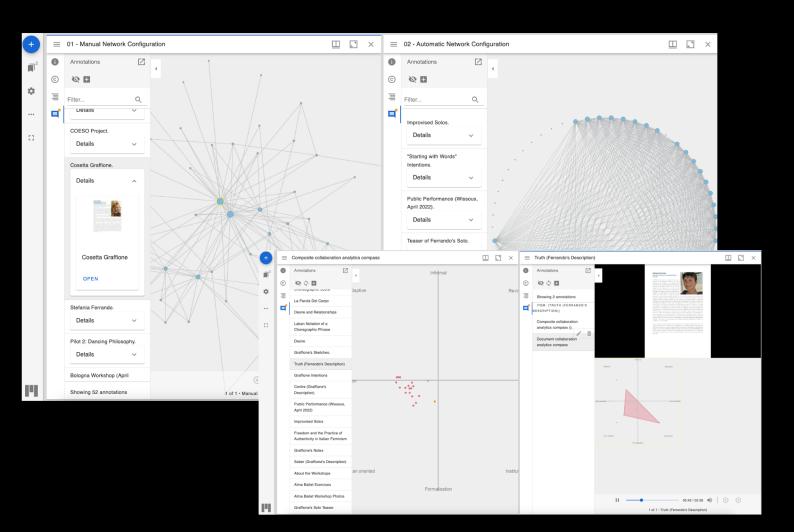
How can we expand MemoRekall's capacity to link documents?

- Reimplementation of the International Image Interoperability Framework (IIIF).
- Lightweight format that allows to link to resources anywhere on the web.
- Interoperability of documents following an international standard between viewers.
- MemoRekall-IIIF: fork of the widelyused IIIF viewer **Mirador**.



Is the video recording always the **main document**?

- Shift of perspective from video annotation to the creation and navigation of a heterarchical, multimodal document network.
- Multiple **points of entry**.
- Data-driven interfaces allow for bespoke interfaces to engage with the network.



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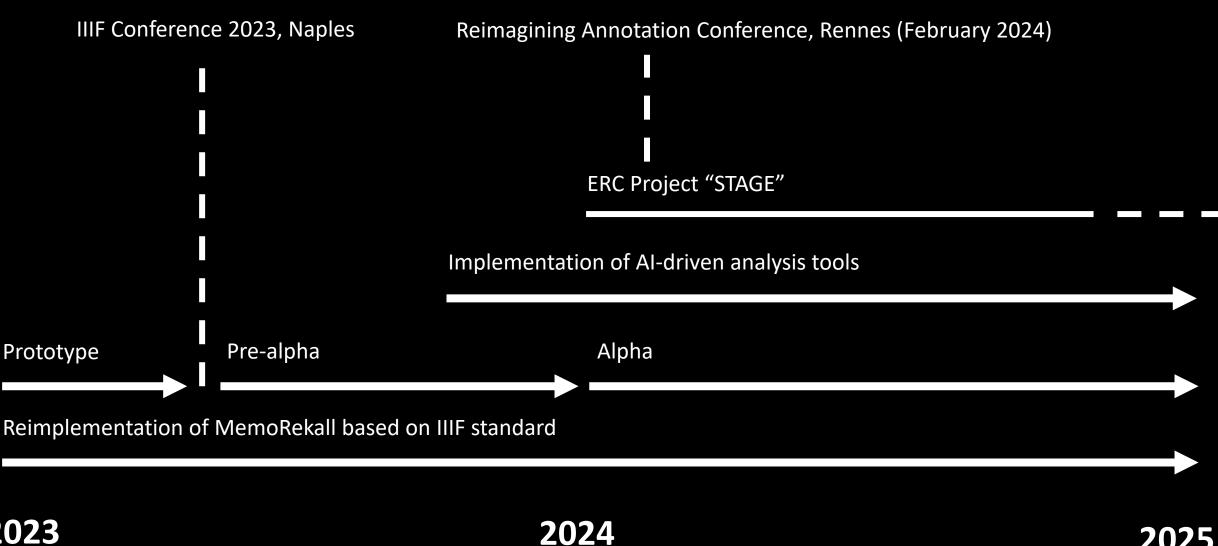
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#5 Conclusion

(MemoRekall-IIIF) Timeline





Reimagining Annotation for Multimodal Cultural Heritage Conference

https://reimagining-amch.sciencesconf.org/ 7th – 9th February 2024. Rennes (France)

Useful links

www.memorekall.com

<u>www.memorekall.com/en/</u> <u>memorekall-iiif-prototype</u>

www.coeso.tetras-libre.fr

www.iiif.tetras-libre.fr

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gitlab.tetras-libre.fr/iiif





