

Emmanuelle Bermès

Juin 2023

*WORLD
KNOWLEDGE
DIALOGUE
2023*

Montreux

26-27 June 2023



CHANGE IN HERITAGE INSTITUTIONS

Financing and governance in the digital age

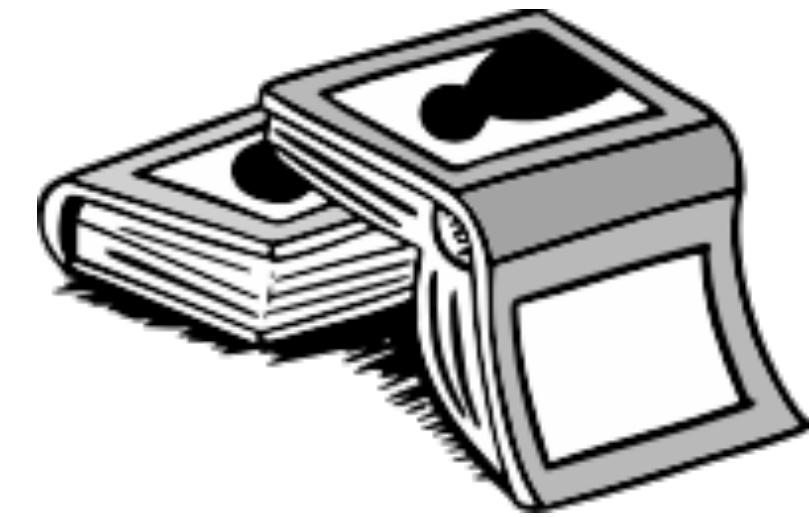




Internet Archive : 815 billion archived web pages



Europeana : 10 million digitized items



Hathi Trust : 17 million digitized items

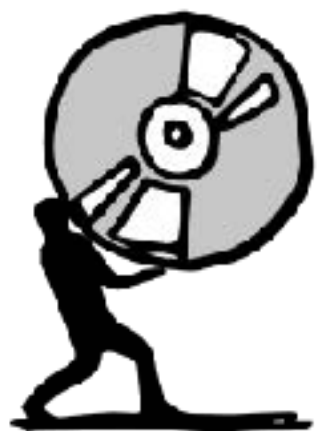
COLLECTIONS AS DATA



Google Art project : 2000 partner museums



Gallica BnF : 10 million digitized items



ASSUMPTION

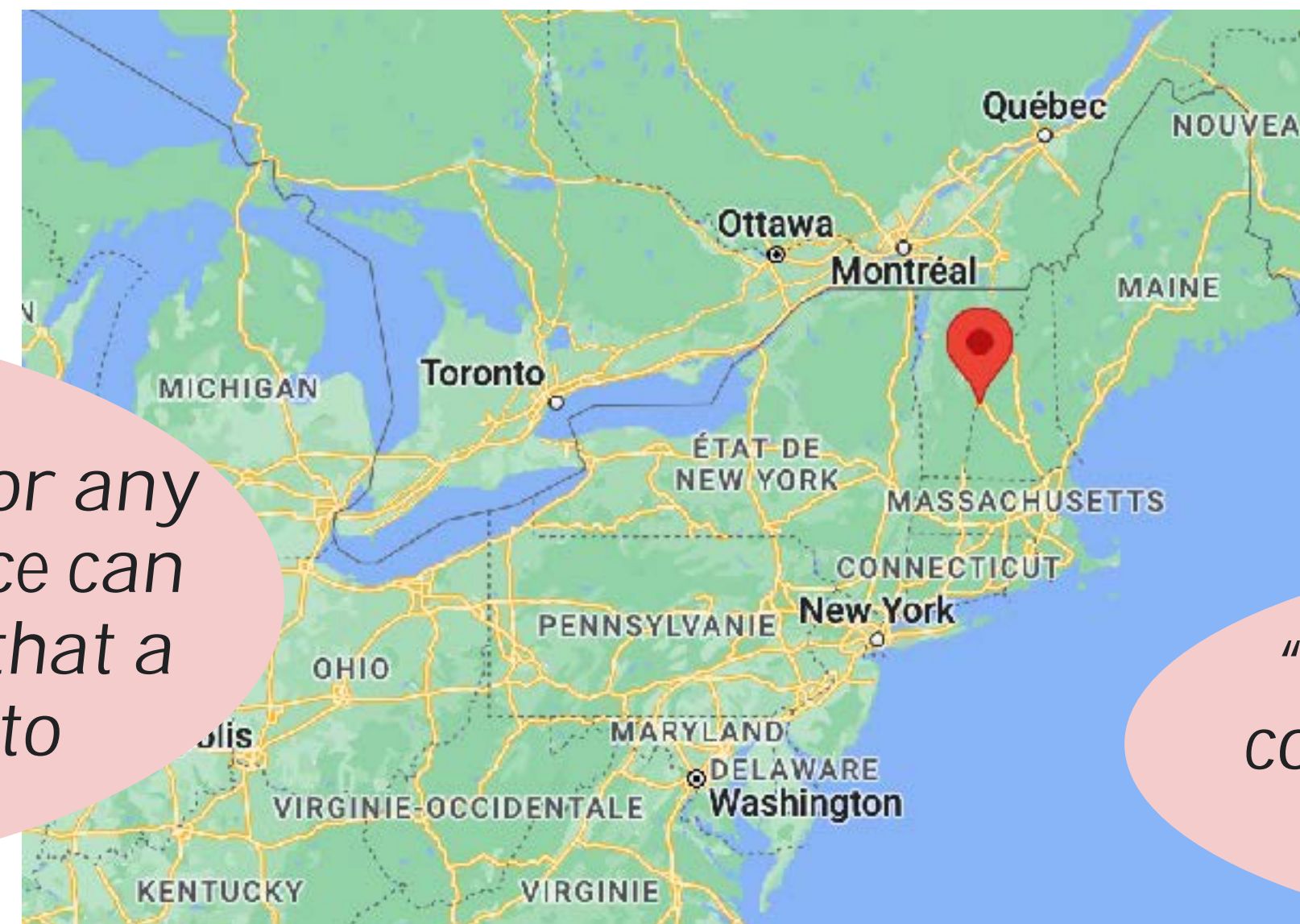
« Artificial intelligence is a field of IT research which aims at simulating human cognitive functions. »



1956

Dartmouth Workshop

Hanover, New Hampshire, USA



“Every aspect of learning or any other feature of intelligence can be so precisely described that a machine can be made to simulate it.”

“Within ten years a digital computer will be the world's chess champion.”

TALKING / WRITING

THE TURING TEST (1950)

2011



Siri (Apple)

2014



Alexa (Amazon)

2017

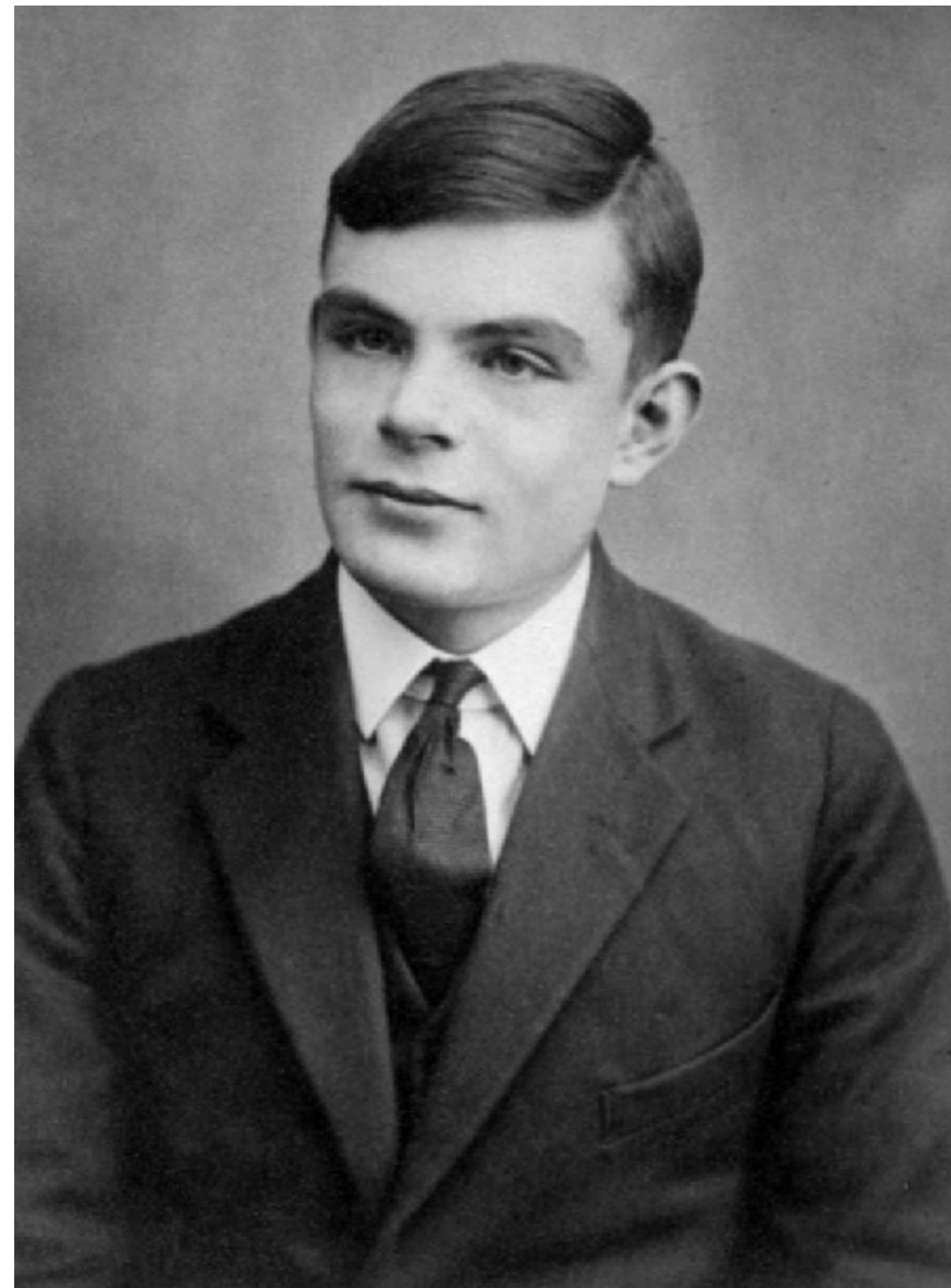


Google Home

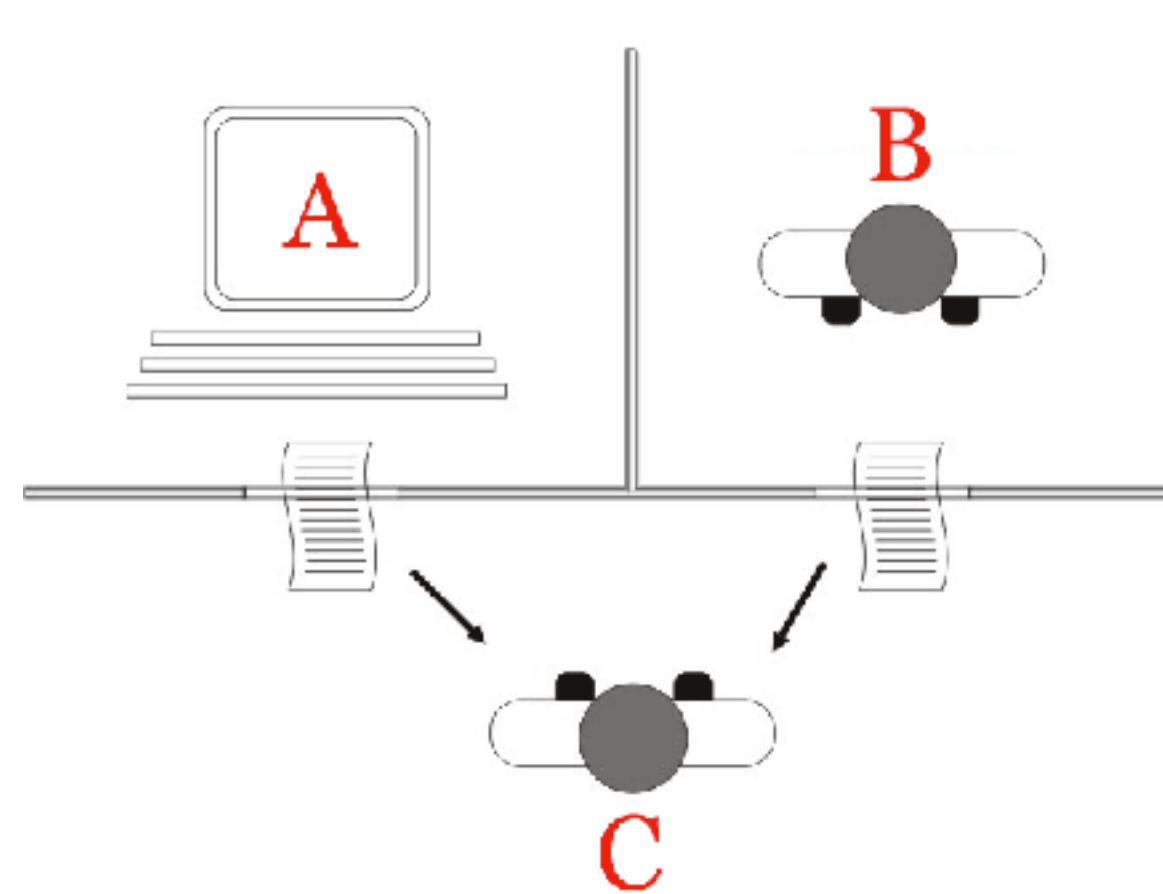
2022



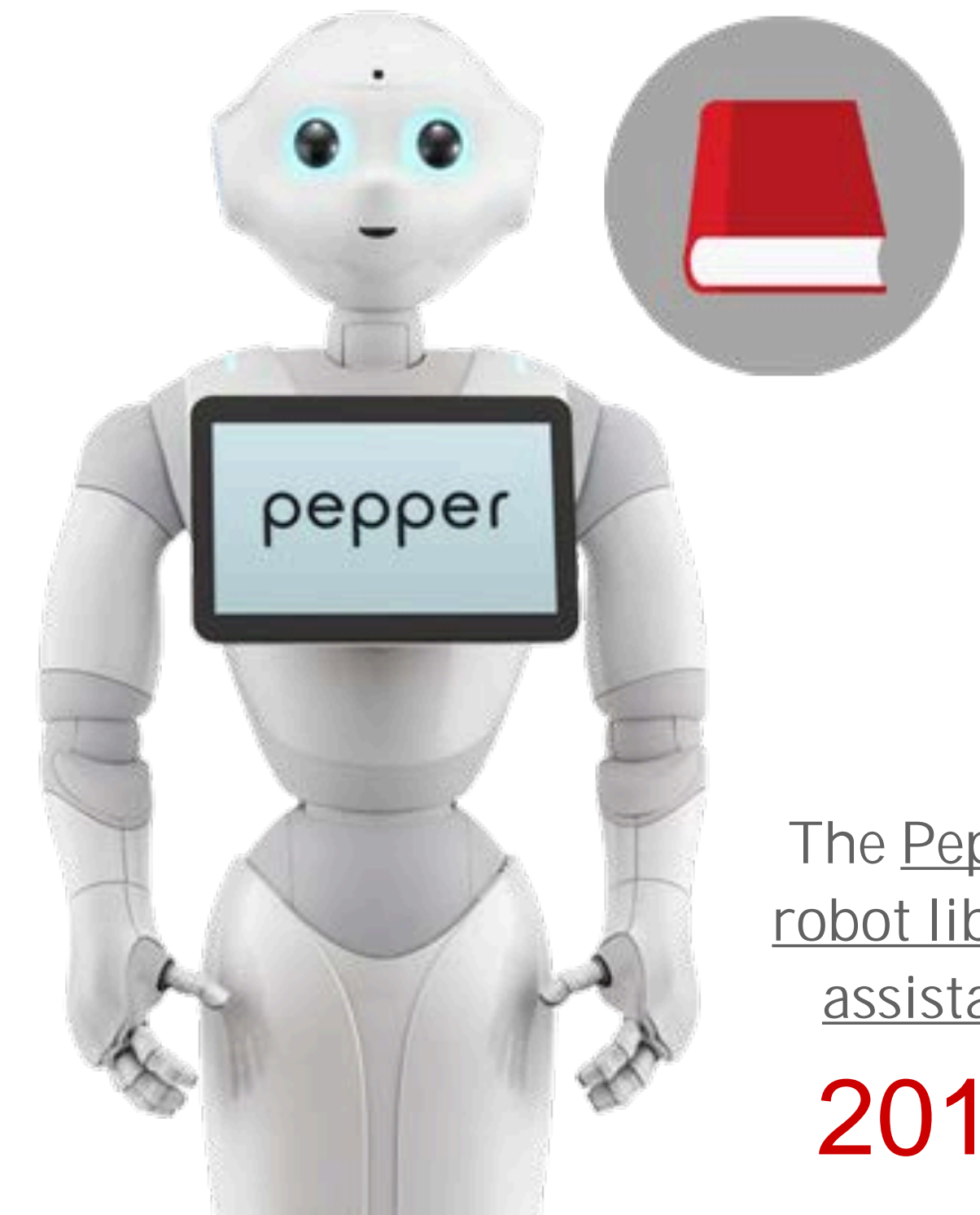
Chat-GPT (OpenAI)



"Computing Machinery and Intelligence", *Mind*, 1950



Juan Alberto Sánchez Margallo - https://commons.wikimedia.org/wiki/File:Test_de_Turing.jpg

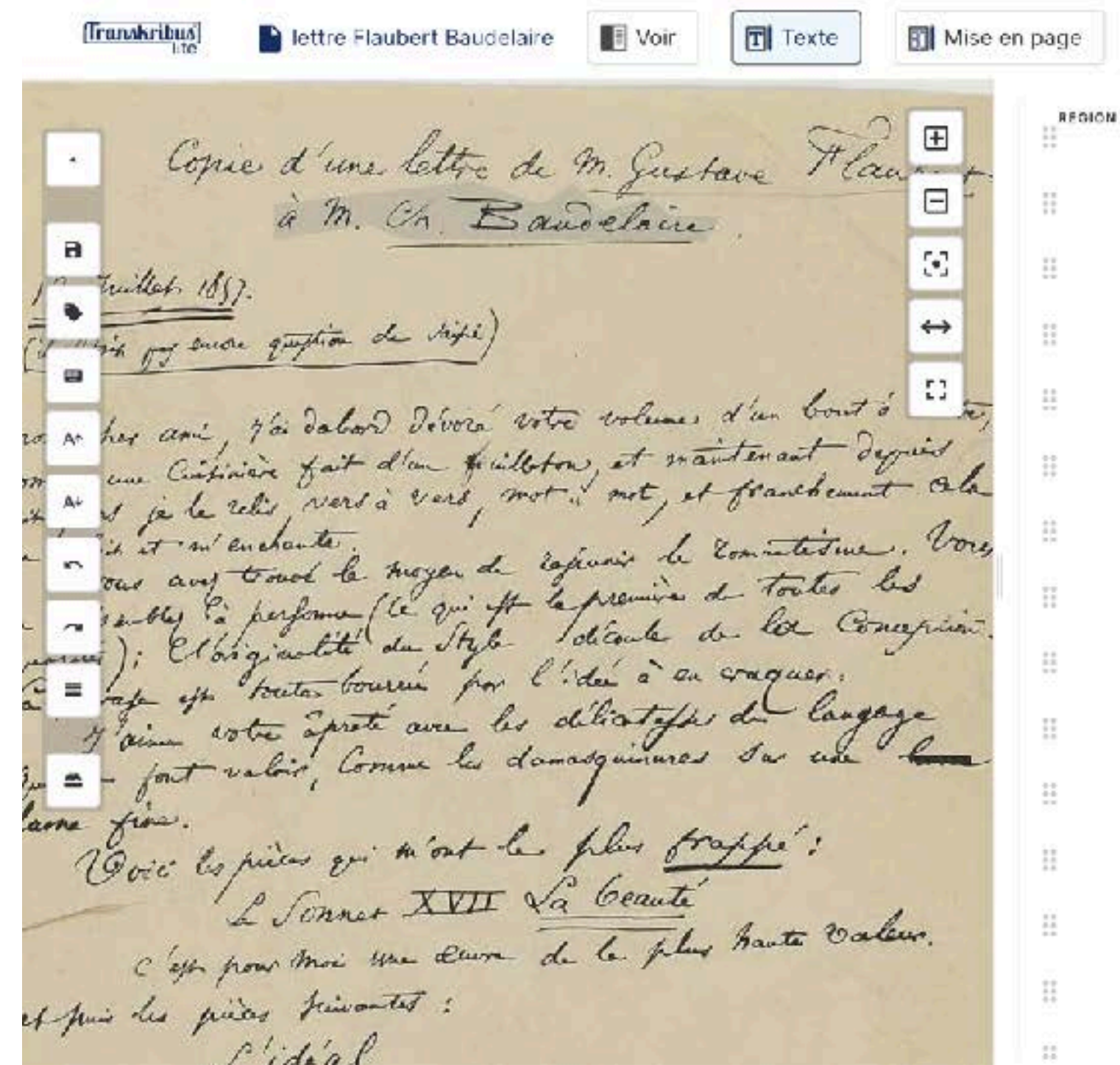


The Pepper robot library assistant

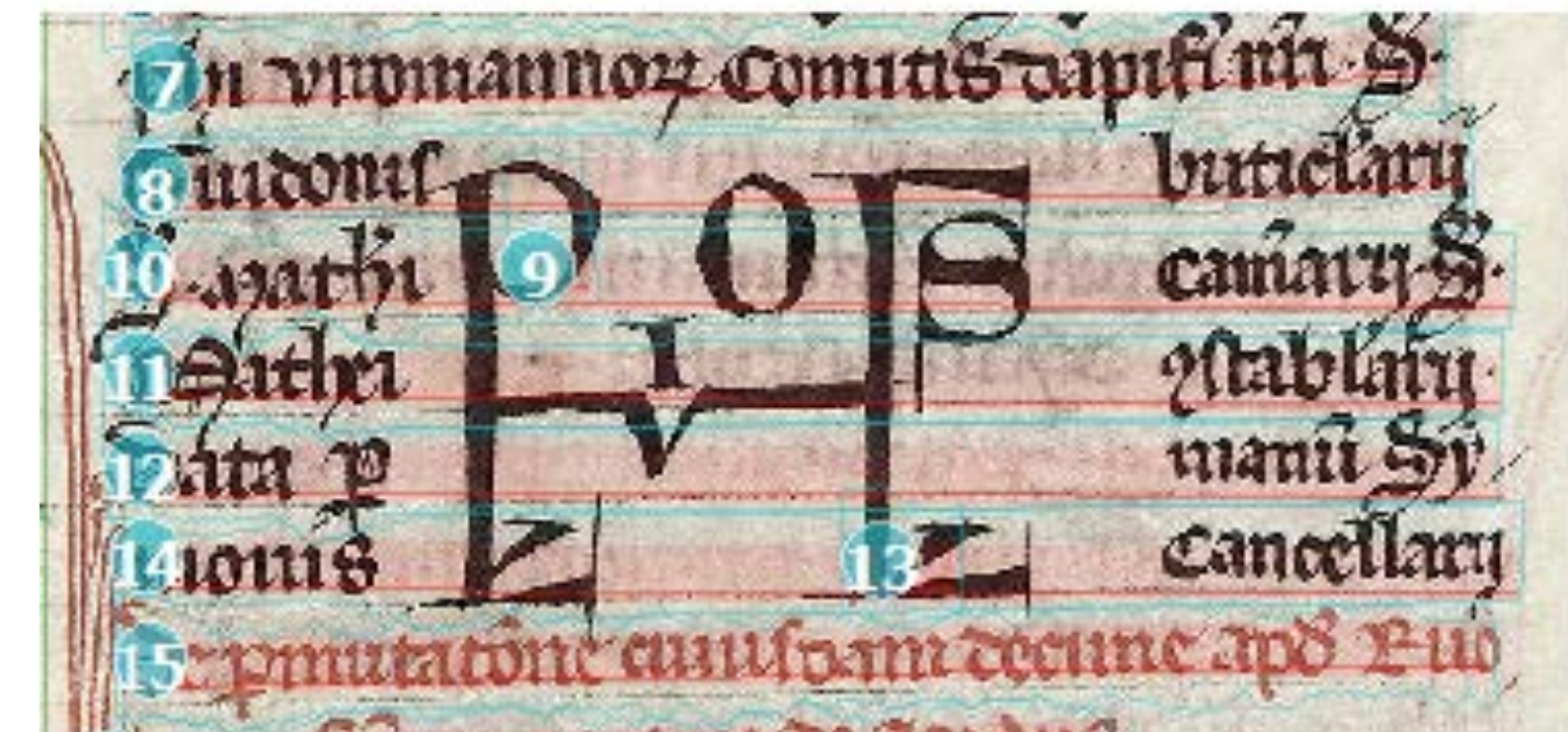
2017

READING

MANUSCRIPTS, ARCHIVES



Exemple de transcription d'une lettre de Flaubert avec Transkribus



➔ Ever more text ?

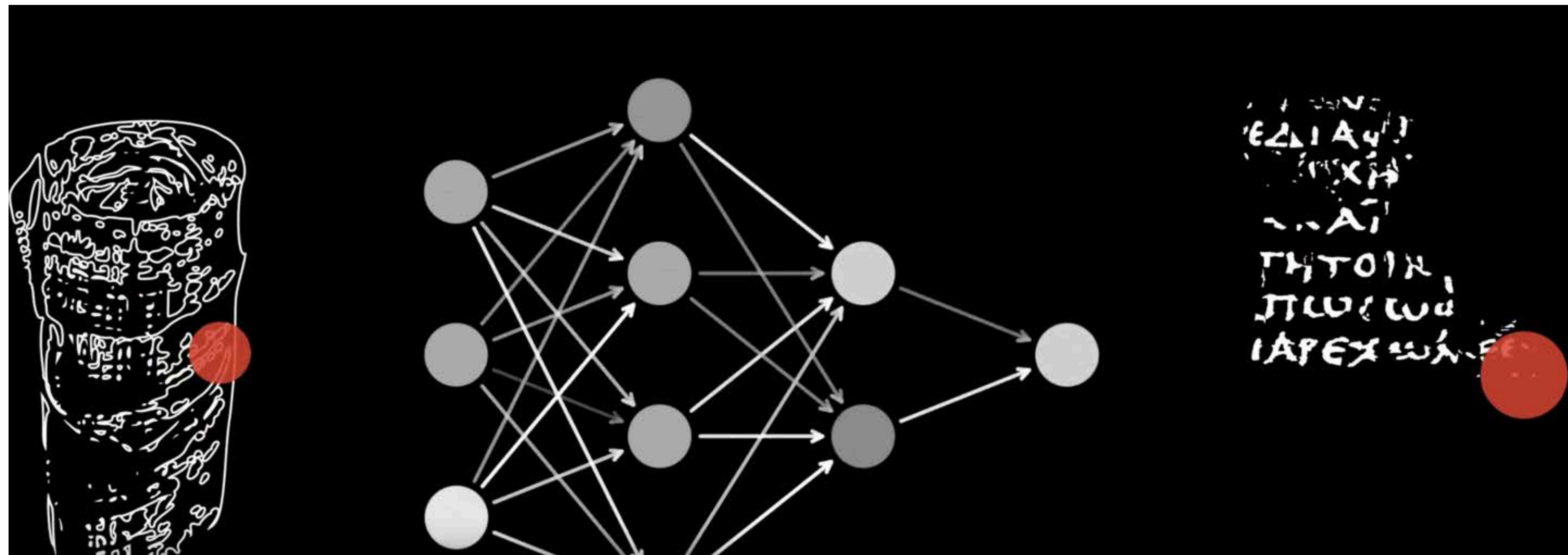
Exemple de correction manuelle de la segmentation d'un manuscrit médiéval.
Source : <https://himanis.hypotheses.org/>

ARCHAEOLOGY



➔ *Ever more text ?*

Vesuvius challenge : using AI to virtually read ancient scrolls



SEEING

IMAGE COLLECTIONS



GallicaPix (2019):

<https://gallica.bnf.fr/blog/21062021/gallicapix-un-nouvel-outil-dexploration-iconographique?mode=desktop>

Pixplot (2016):

<https://dhlab.yale.edu/projects/pixplot/>



➔ *Ever more knowledge ?*

ORGANIZING / ANALYZING

AUDIOVISUAL AND DIGITAL ARCHIVES

Projet Grande Guerre (BnF, 2014)

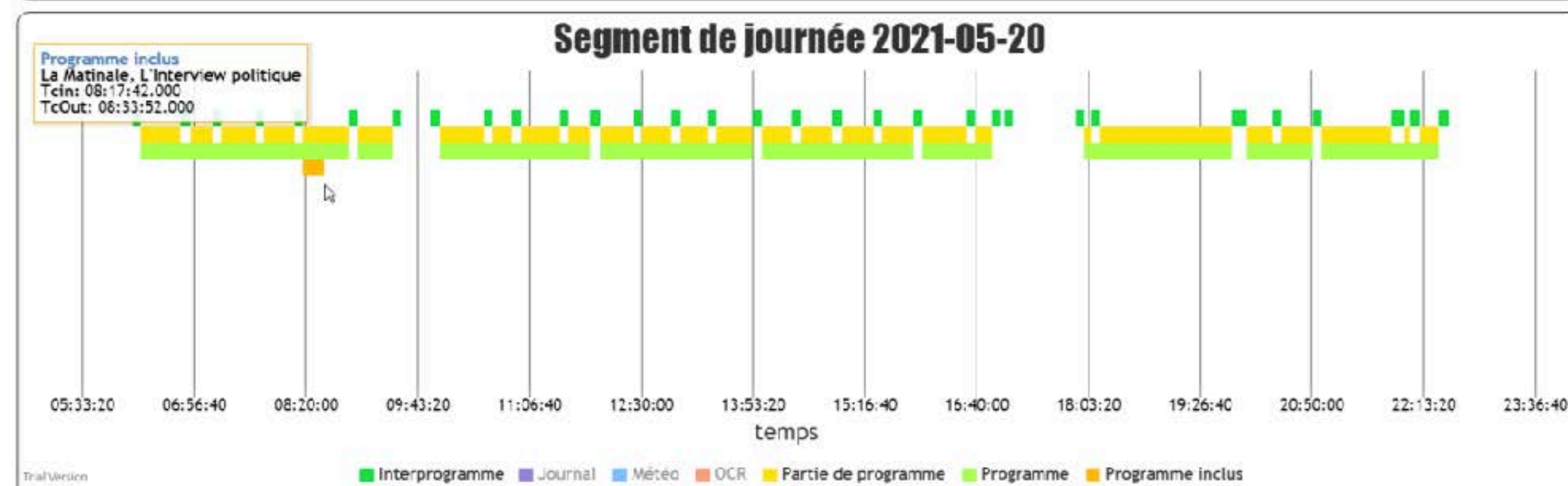
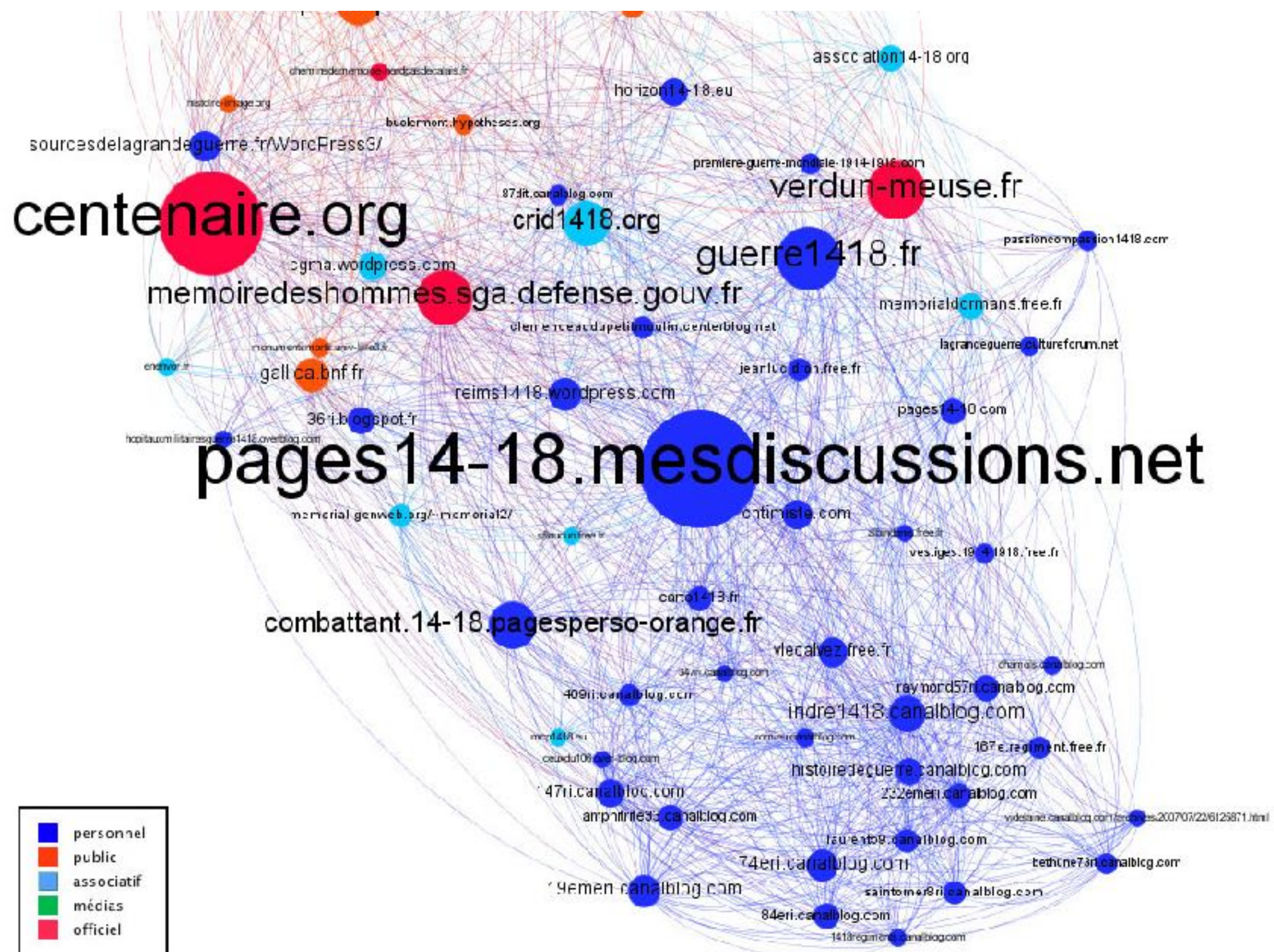


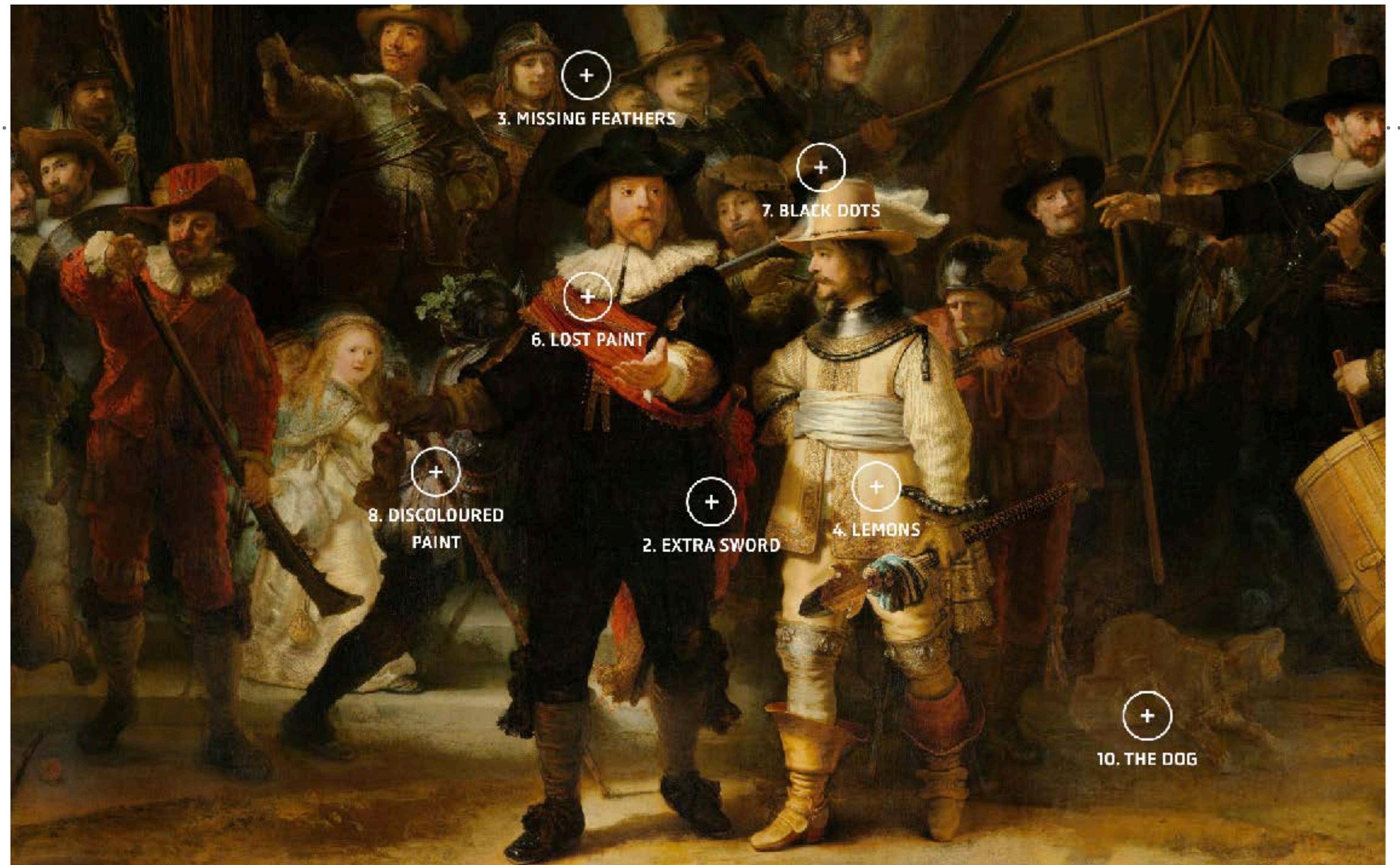
Figure 4. Example of INA’s interface processing daily broadcast (news channels) ingestion

Olivio Segura - Institut national de l'audiovisuel

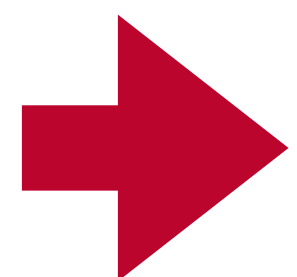
➔ *Ever less human tasks ?*

CREATING

MUSEUMS



Virtual restoration of the painting « the night watch » by Rembrandt
https://www.youtube.com/watch?v=PjuuTi_1puM



Ever more possibilities?

EXPLAINING

BOOKS

"Féminisme"



Recherche / "Féminisme" 2845 résultats Voir les plus récents Sauvegarder cette recherche Exporter cette recherche ?



Féminisme, islamisme, soufisme

Abdessamad Dialmy, Jean-François Clément



€8.49

Collection : Espaces méditerranéens
Éditeur : FeniXX réédition numérique
Année : 1997
Nombre de pages : 286



Féminisme et syndicalisme en France

Marie-Hélène Zylberberg-Hocquard



€8.99

Collection : Divers
Éditeur : FeniXX réédition numérique
Année : 1977
Nombre de pages : 360



Le néo-féminisme de Simone de Beauvoir

Trente ans après *Le Deuxième Sexe*, un post-scriptum

Danièle Rosadoni, Jacques J. Zéphir



€10.99

Thématiques

Appliquer les filtres



Mots-clés

Keywords: homme, Paris, femme, France, enfant, féminisme, travail des femmes, conditions de travail, femme active, vie, droit, lutte, temps partiel, point de vue, scène III, travail, ouvrier, syndicat de femmes, famille, Ibn Arabi

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Book retailers and libraries use our technology to provide their readers with truly relevant and personal recommendations — not on the basis of popularity or other people's behaviour, but by using the book's content and the reader's personal preferences as a starting point.



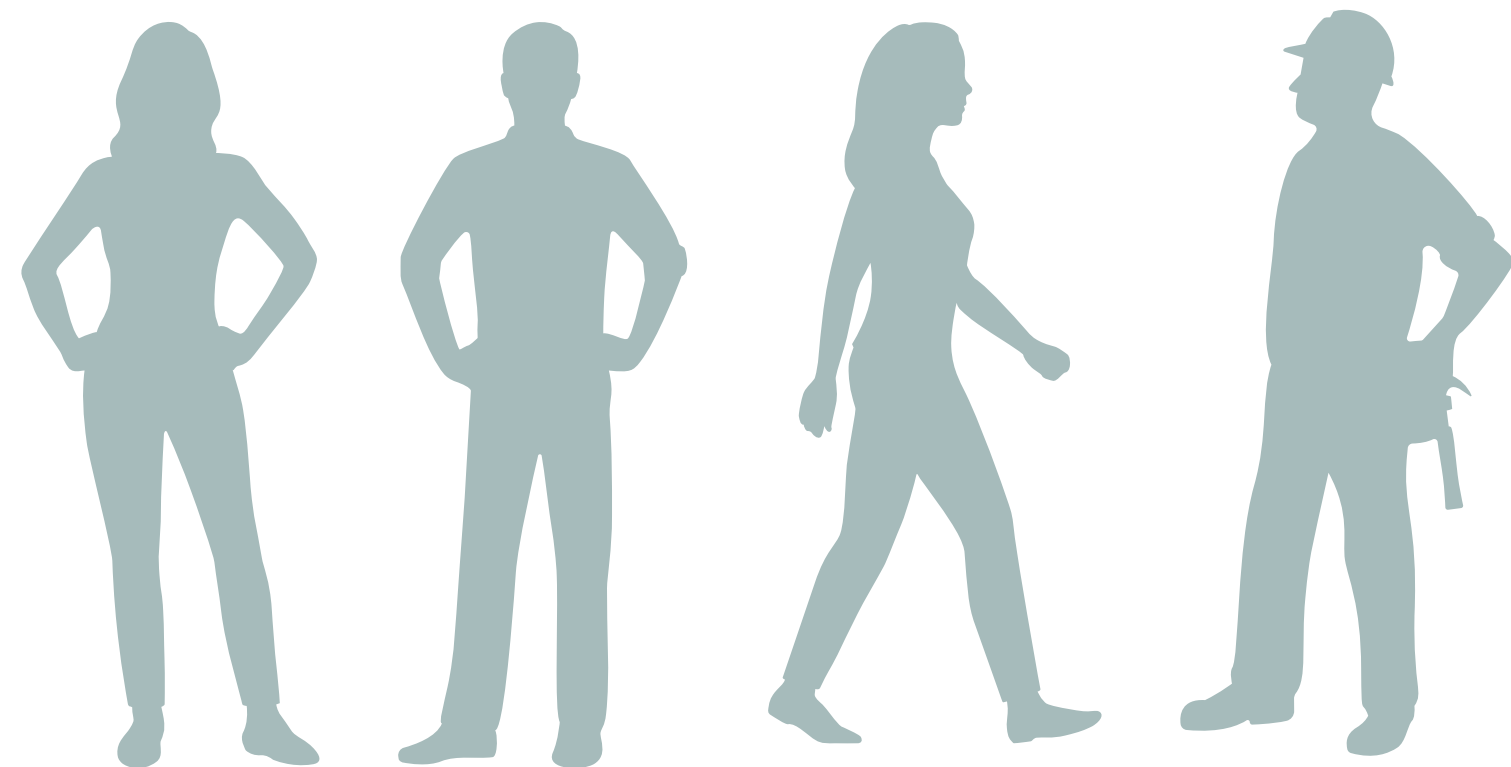
<https://www.bookarang.com/en/>

<https://www.fenixx.fr/>

EXPLAINING

ETHICAL CHALLENGES

- Filter bubbles
- Data privacy
- Biased data and algorithms
- Environmental Impact



➔ *Building trust?*



Fantastic Futures
5th Annual International Conference
AI for Libraries, Archives, and Museums
Internet Archive Canada | Vancouver, Canada | November 2023

<https://ff2023.archive.org/>

THANK YOU !

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