

# PRESENTATION AND CONTEXTUALISATION IN THE ONLINE ARCHIVE OF INTERNET ART

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## RESEARCH QUESTION & METHODOLOGY

The evolution of network environments and the development of new patterns of interaction between users and online interfaces create multiple challenges for the long-term provision of access to online artefacts of cultural value. In the case of internet art, curating and archiving activities are contingent upon addressing the question of what constitutes the art object. Internet artworks are not single digital objects, but rather assemblages [1], dependent on specific software and network environments to be executed and rendered. They often change over time and require specific user input in order to be performed.

This research project seeks to better understand problems associated with the archiving of internet art and asks: How the artworks can be made accessible to the public in their native environment – online – while enabling users of the archive to gain an expanded understanding of the artworks' context?

The methodology of this project is multidisciplinary, combining qualitative research methods from the fields of the digital humanities, information sciences and human computer interaction (HCI). Following common HCI qualitative research approaches [2], the project involves contextual inquiry, ethnographic observation and user research towards the design of a new interaction design framework for Rhizome's archive of internet art – the ArtBase.

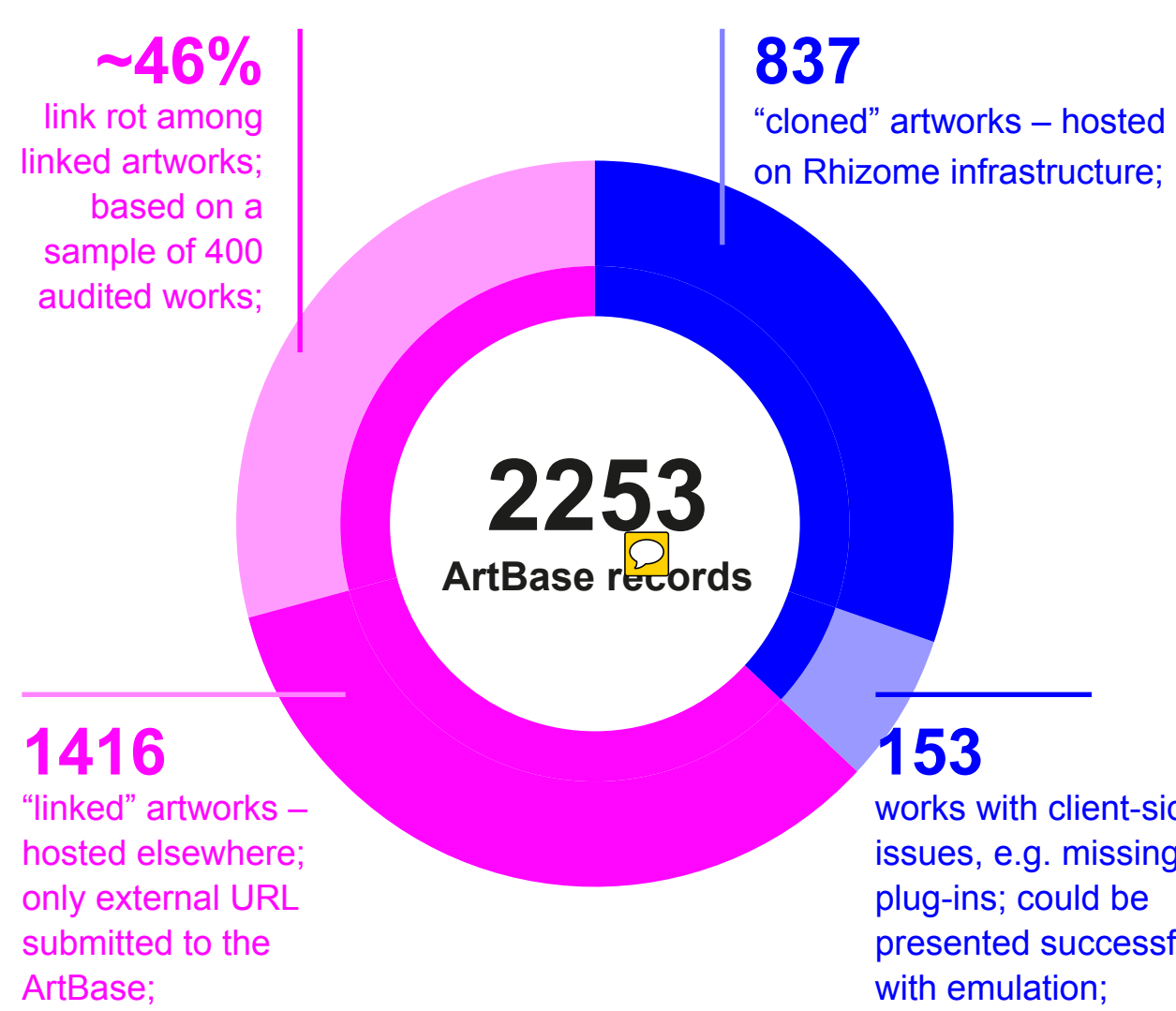
## THE ARTBASE CONTEXT

Established in 1999, the vision and conception of the ArtBase is closely tied with Rhizome's position at the time as an influential listserve with an active community, including some of the first artists working on the internet.

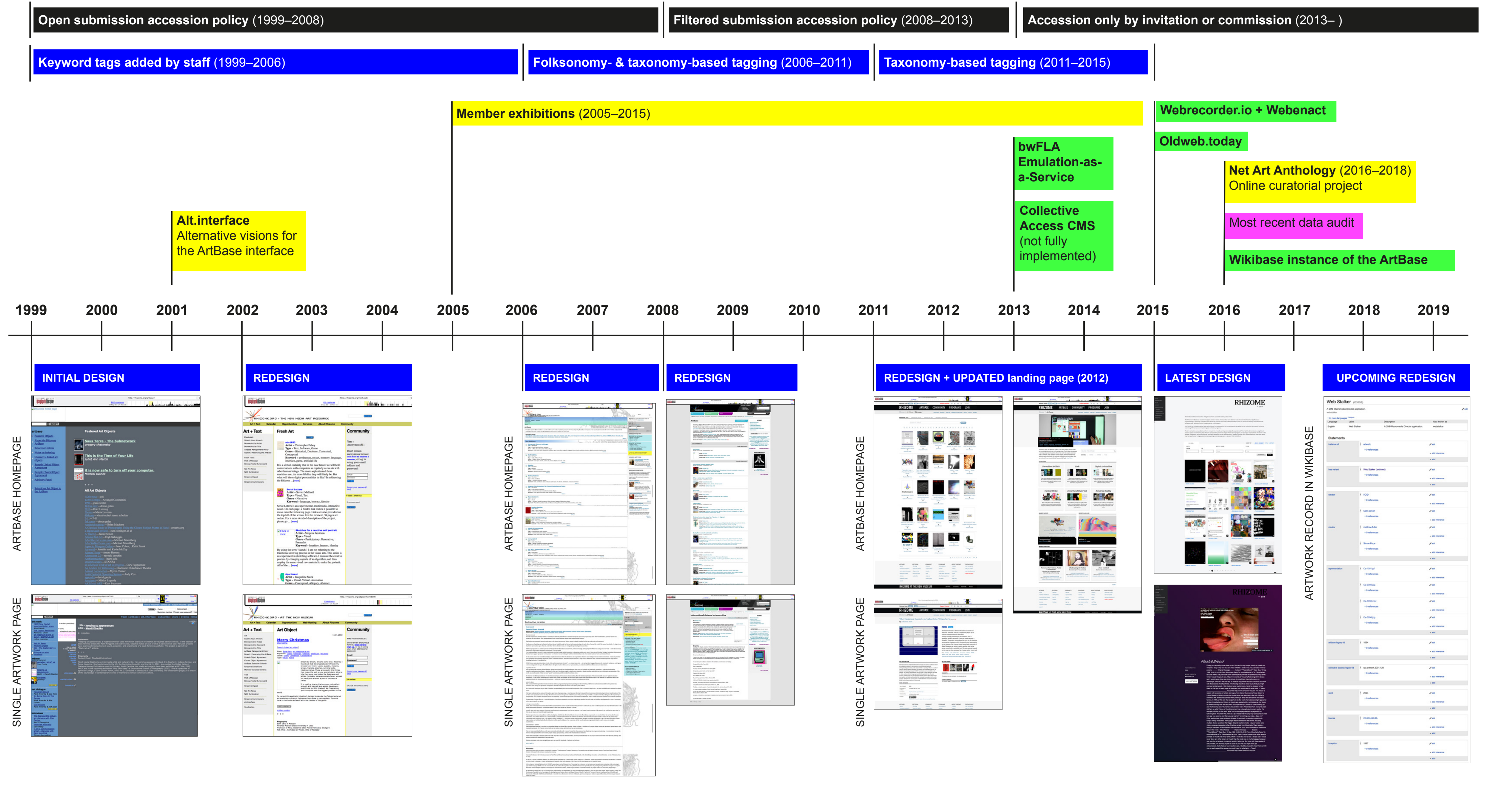
Besides its long history (almost 20 years) and its large volume (over 2000 artworks to date), the ArtBase is also an international and diverse archive, primarily hosting works of internet art, but also software-based works, moving images, games, and browsers. The diverse works in the ArtBase prove to be ideal test cases for the development of new tools and strategies for digital preservation [3], which aim to not only preserve the codebase of the works, but to allow users to experience the original form of the works through reperformance in legacy environments.

Over the last three years in particular, Rhizome has developed new preservation tools and strategies following a reperformance-as-preservation paradigm, wherein support for the performative qualities of internet artworks is seen as key both in terms of conserving the work for the future, as well as preserving social memory around the work and the specifics of its interaction affordances.

### ArtBase statistics based on most recent data audit, 2016 [4]:



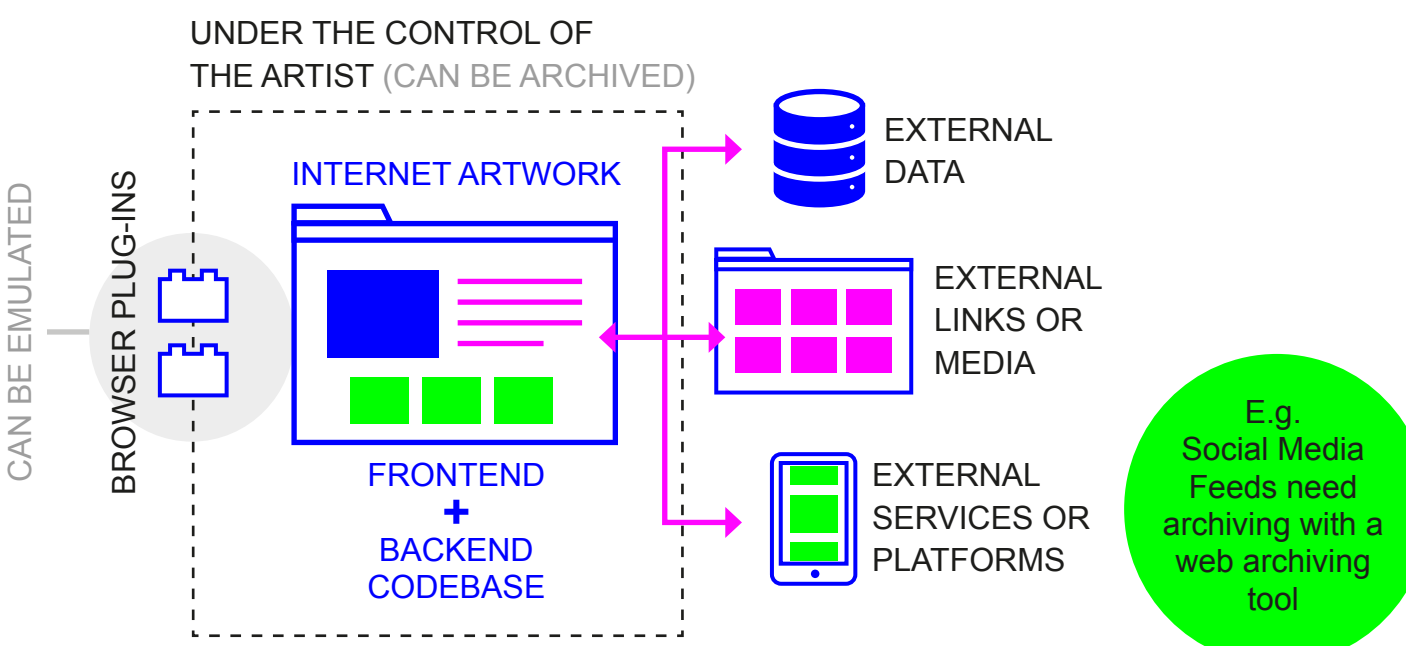
## TIMELINE OF POLICY & STRATEGY DEVELOPMENTS IN THE ARTBASE



## KEY CONSIDERATIONS FOR THE NEW ARCHIVAL FRAMEWORK

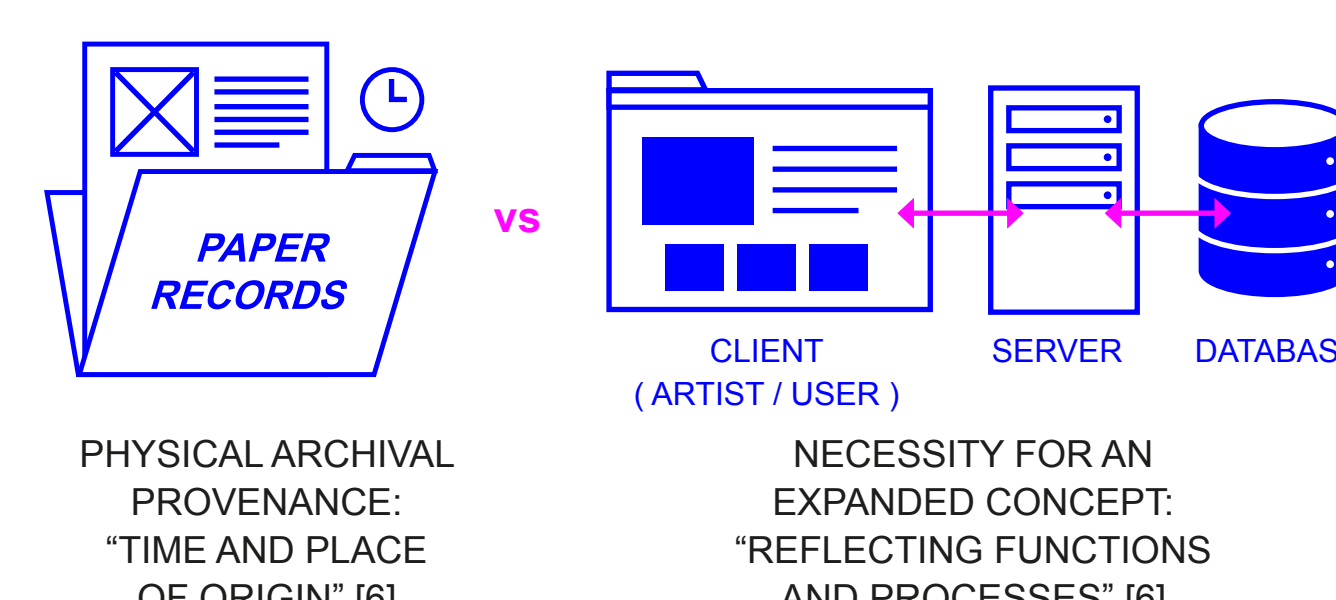
### Diffuse digital objects

Internet art spans beyond the boundaries of a single digital object and can become "diffuse" [5], referencing external, dynamic and real-time data sources, or existing across multiple locations and platforms. The archive framework needs to recognise when certain external resources, such as Google Image Search or live Twitter feeds, for example, cannot become part of the archive record and need alternative treatment.



### Reconceptualising provenance and context

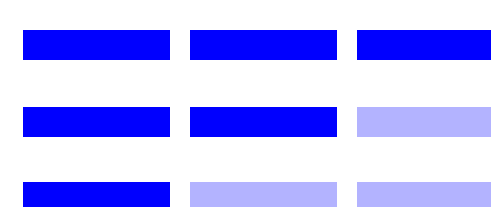
A key concern for the backend of the archive remains the development of a provenance framework which can describe not only the origin of each artwork record and the transformations that may have been applied to the record, but also the dependencies of the performative and "diffuse" artwork and the context within which a (re)performance happens, a context which also includes the audience / (user) experience of the (re)performance.



### Metadata richness

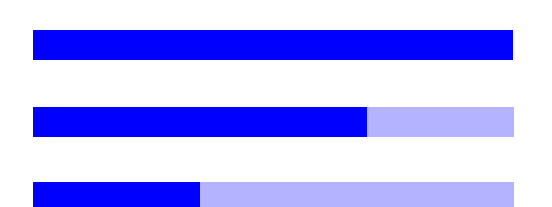
Due to various stages in the history of the ArtBase, much of the archival metadata is not consistent or complete. Instead of forcing the metadata to conform to a standard schema, the archival framework could employ the concept of metadata richness (or completeness) to provide indication to users of the current state of each artwork record. Additionally, the data that is available can be expressed in a linked data model to enable interoperability (also see Wikibase diagrams below).

#### Record richness



Example of the visual representation used in the online archive of the Auckland War Memorial Museum.

#### Record completeness



Example of the visual representation used in the online archive of the Brooklyn Museum.

## USER RESEARCH

### USER GROUPS



### WHO?

- artists
- curators
- academics (researchers and students)
- art enthusiasts
- digital culture practitioners (designers, developers)
- journalists
- preservation staff
- curatorial staff
- editorial staff

### GOALS?

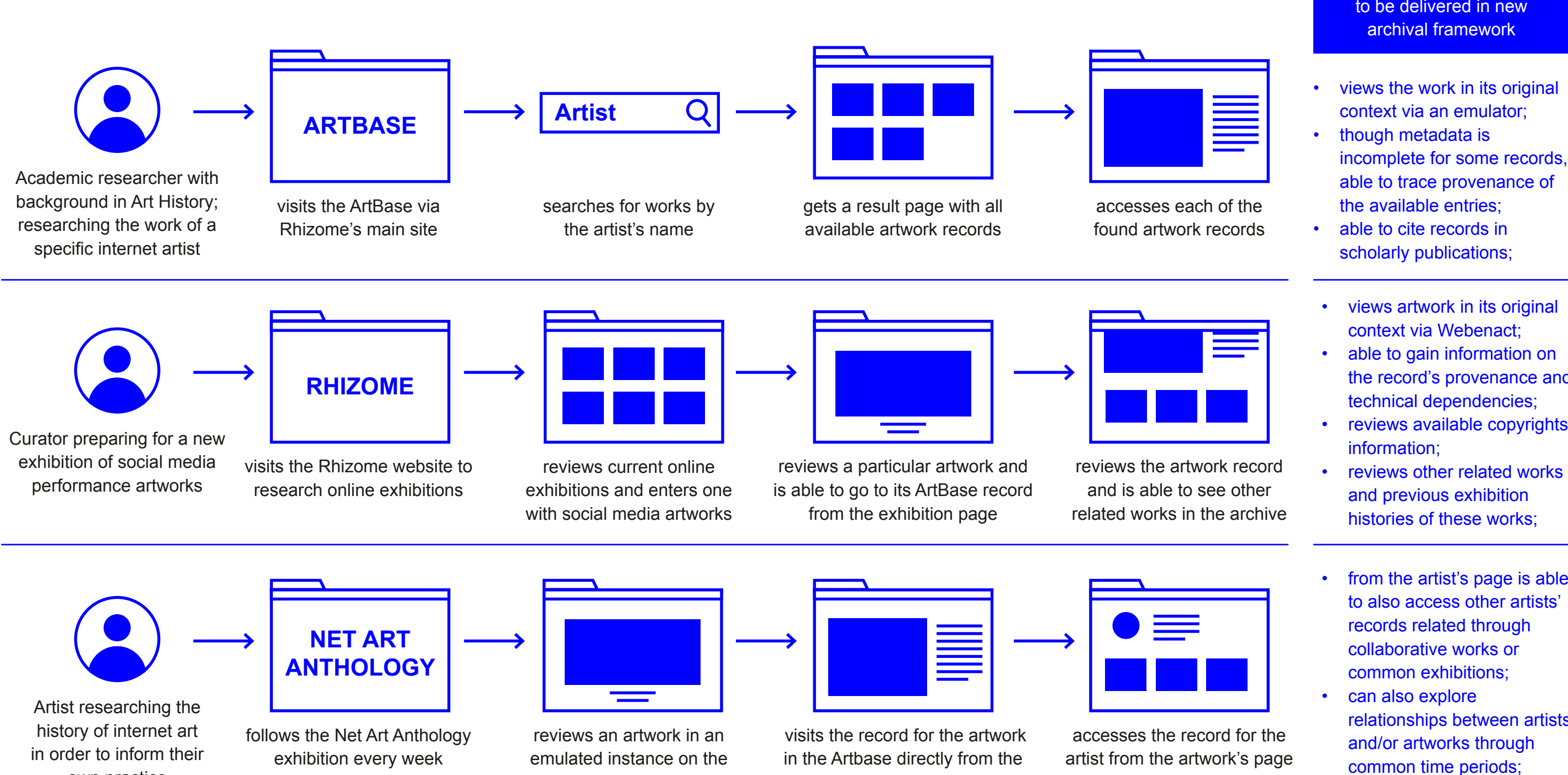
- browsing & referencing historic artworks
- researching the history of a specific artwork
- researching the work of a specific artist
- looking for artworks for an exhibition
- browsing the archive
- discovering new art and information about digital cultural history
- making historic works accessible and performative again
- improving metadata expression models
- accessioning new works

### NEEDS?

- understanding the provenance of the version of the artwork presented in the archive
- understanding who are the actors involved in the development and any subsequent changes to the artwork and its record
- being able to look at artworks in sets, not just isolated instances
- accessing any installation requirements / instructions, if available
- accessing exhibition history for artworks, if available
- understanding who to contact regarding any copyrights clearance
- being able to cite artwork records in academic texts and online
- multiple entry points to the artworks in the archive
- non-search-based methods for discovery in the archive
- sharing and referencing capabilities
- adding differentiation (provenance) to description levels in metadata records
- capturing new (or existing) research that has been carried out for artworks or artists in the archive
- improving presentation of works in remote browser environments; automating deployment of emulation environments, when needed
- identifying gaps in the collection, possibly using automated interface tools

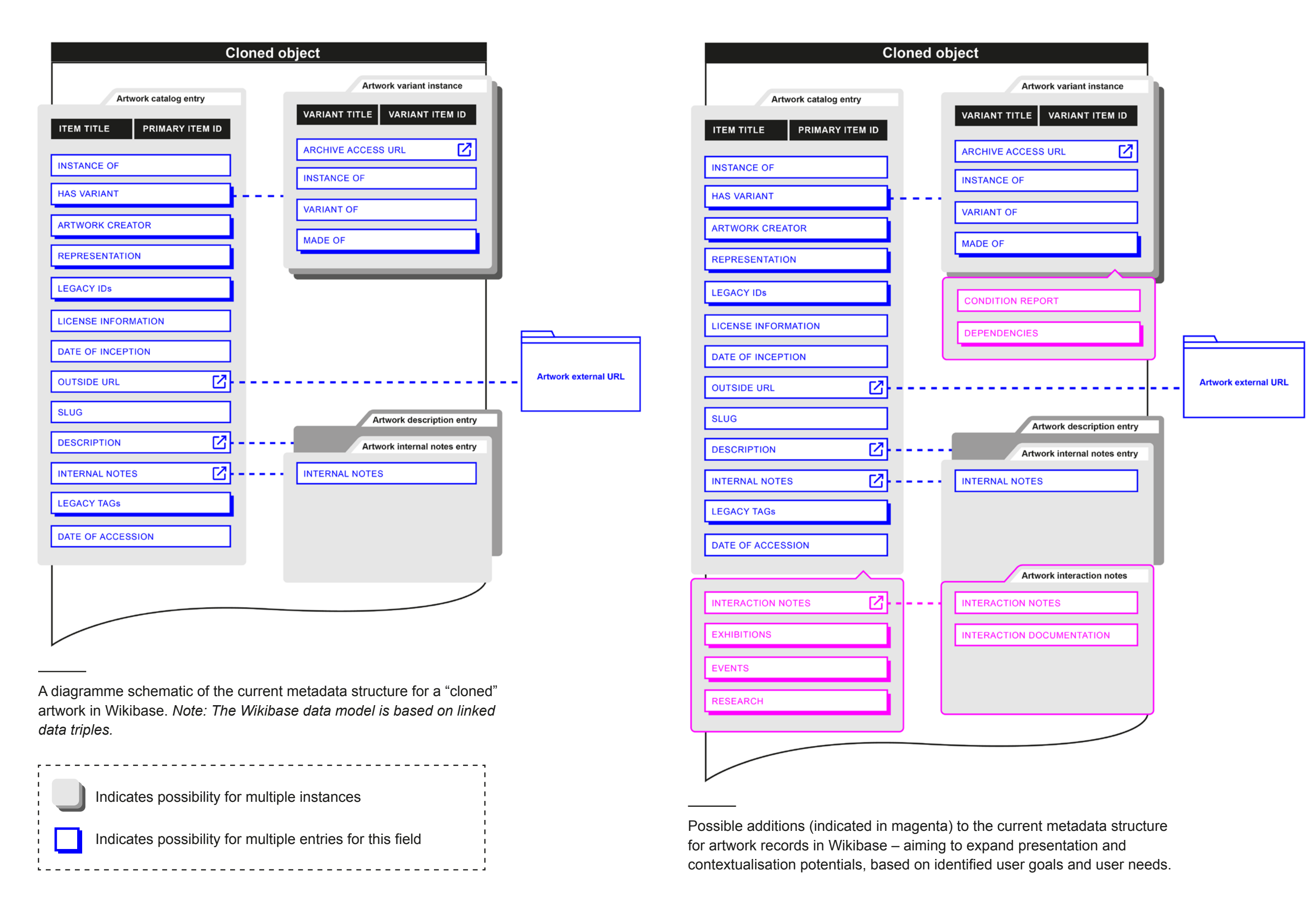
\* User testing sessions for this user group carried out between mid-August and mid-September 2017.  
\*\* Speculative proposals for this user group based on anecdotal information; dedicated research scheduled for October 2017;  
\*\*\* Internal staff workshop at Rhizome carried out in February 2017 to determine internal user goals and needs.

## USER SCENARIOS\*



\* These scenarios were developed based on insights from user testing sessions carried out between mid-August and mid-September 2017. User scenarios are a key element in interface design and usability testing practices. For more information: <https://www.usability.gov/how-to-and-tools/methods/scenarios.html>

## METADATA EXPRESSIONS IN WIKIBASE



## REFERENCES

[1] Dekker, A. (2014) *Enabling the Future, or How to Survive FOREVER: A study of networks, processes and ambiguity in net art and the need for an expanded practice of conservation*. PhD dissertation, Goldsmiths, University of London.

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[5] Fino-Radin, B. (2011) *Digital Preservation Practices and the Rhizome ArtBase*. Available from: <http://media.rhizome.org/artbase/documents/Digital-Preservation-Practices-and-the-Rhizome-ArtBase.pdf>

[6] Cook, T. (2001) *Archival Science and Postmodernism: New Formulations for Old Concepts*. *Archival Science*, 1 (1), pp. 3-24. DOI: <https://doi.org/10.1007/BF02435636>

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