# ENABLING CO-CREATION IN AUGMENTED REALITY: A USER-FRIENDLY NARRATIVE EDITOR FOR CULTURAL HERITAGE EXPERIENCES - STATE OF THE ART

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# PROBLEM

curators/historians/tour guides can't create interactive experiences
These tools are usually gated by lack of programming experience

# MOTIVATION

Usually, the people with the skills and knowledge to expose our cultural legacy are not the people with the most technical knowledge, so there's a great possibility of knowledge being locked up because of technical difficulties

# OBJECTIVES



Democratize content creation



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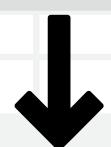
# INITIAL QUESTIONS

What degree of freedom should users have?

How can the user interface of the AR story editor be designed to ensure usability for individuals without programming backgrounds?

How can we implement features that contribute towards enhancing the collaborative creation of narratives?

# REVIEW PROCESS



### LITERATURE REVIEW

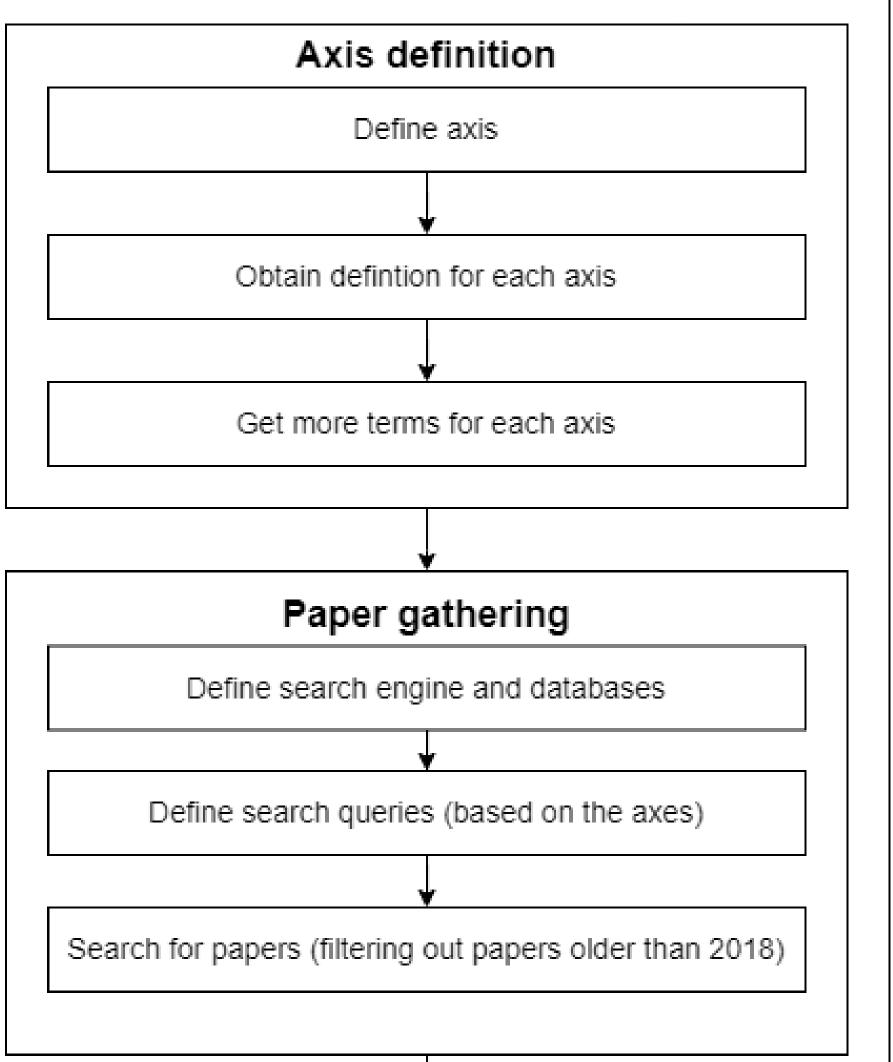
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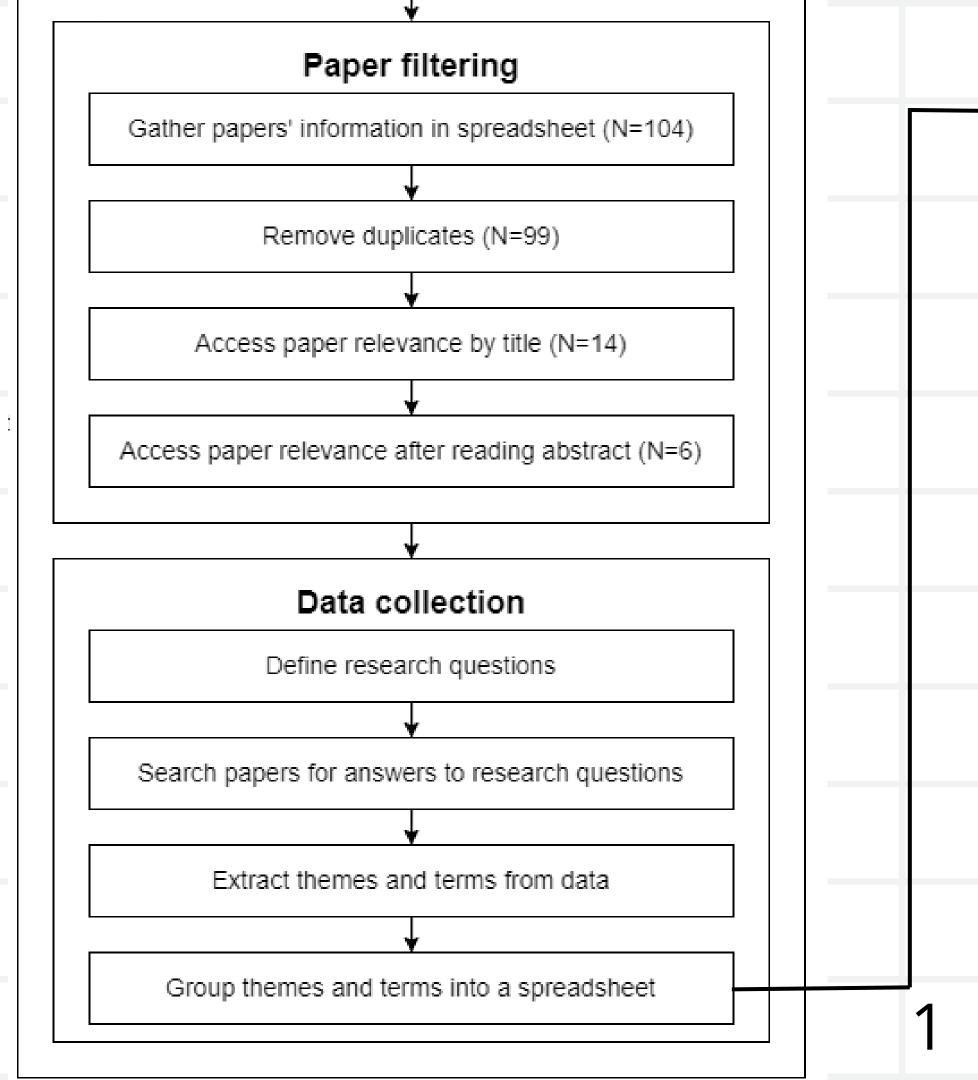
### SYSTEMATIC REVIEW

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# LITERATURE REVIEW



# LITERATURE REVIEW





Update each axes' terms

Define research questions, PICOC, keywords and synonyms, sources and selection criteria, based on the results of the literature review

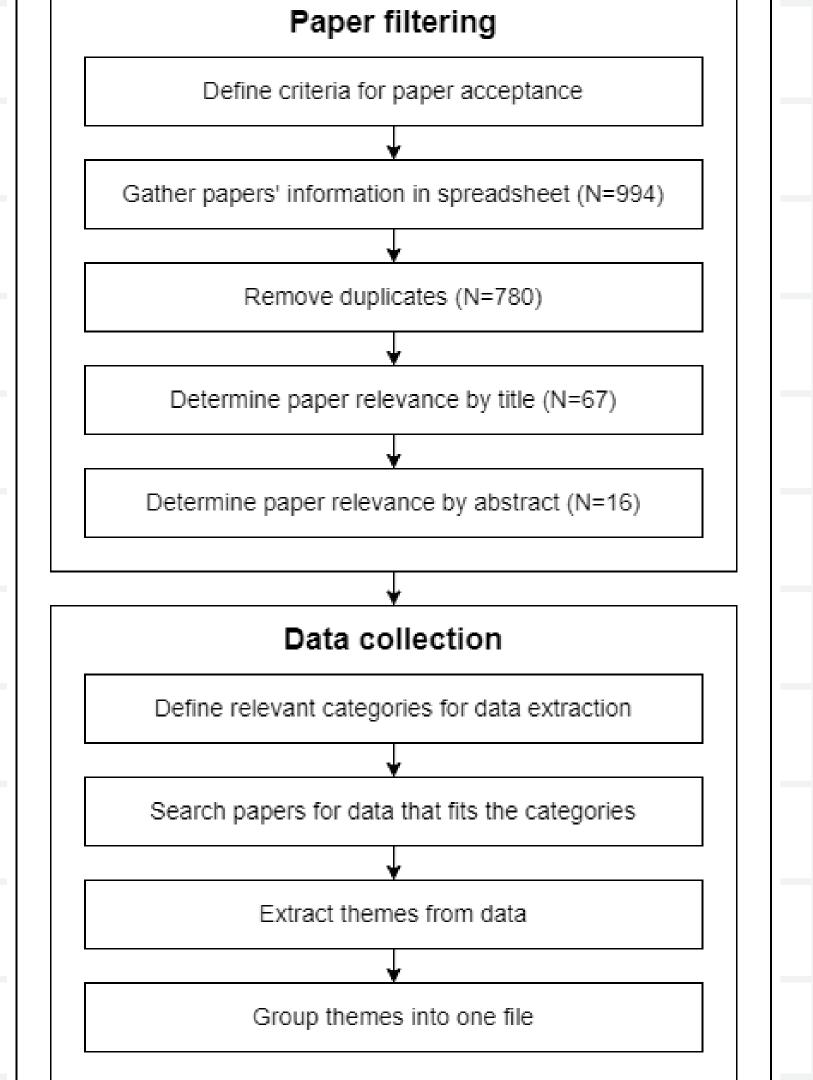
### Paper collection

Define search engine and databases

Define search queries

Search for papers

# SYSTEMATIC REVIEW



# SYSTEMATIC REVIEW

# RESULTS

## STORY CREATION METHODS

Story representation - how to visually represent a narrative

Collaboration in story authoring processes

Digital design vs in situ creation

# STORY AUTHORING FEATURES

Visual story authoring assistance

**Story Debugging** 

**Core functionalities** 

Additional functionalities

## **ACCOMODATIONS FOR NON-DEVELOPOERS**

Managing assets

**Authoring Tool Terminology** 

**Error Messages** 

**Educational material & Community Support** 

# **USABILITY CONCERNS**

**Incosistent interfaces** 

**Compilation times** 

Platform independence

Lack of feedback



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# DISCUSSION

ACCESS A
FUNCTIONALITY'S
FEASIBILITY

LIMITATIONS ON RELYING SOLELY ON ACADEMIC PUBLICATIONS

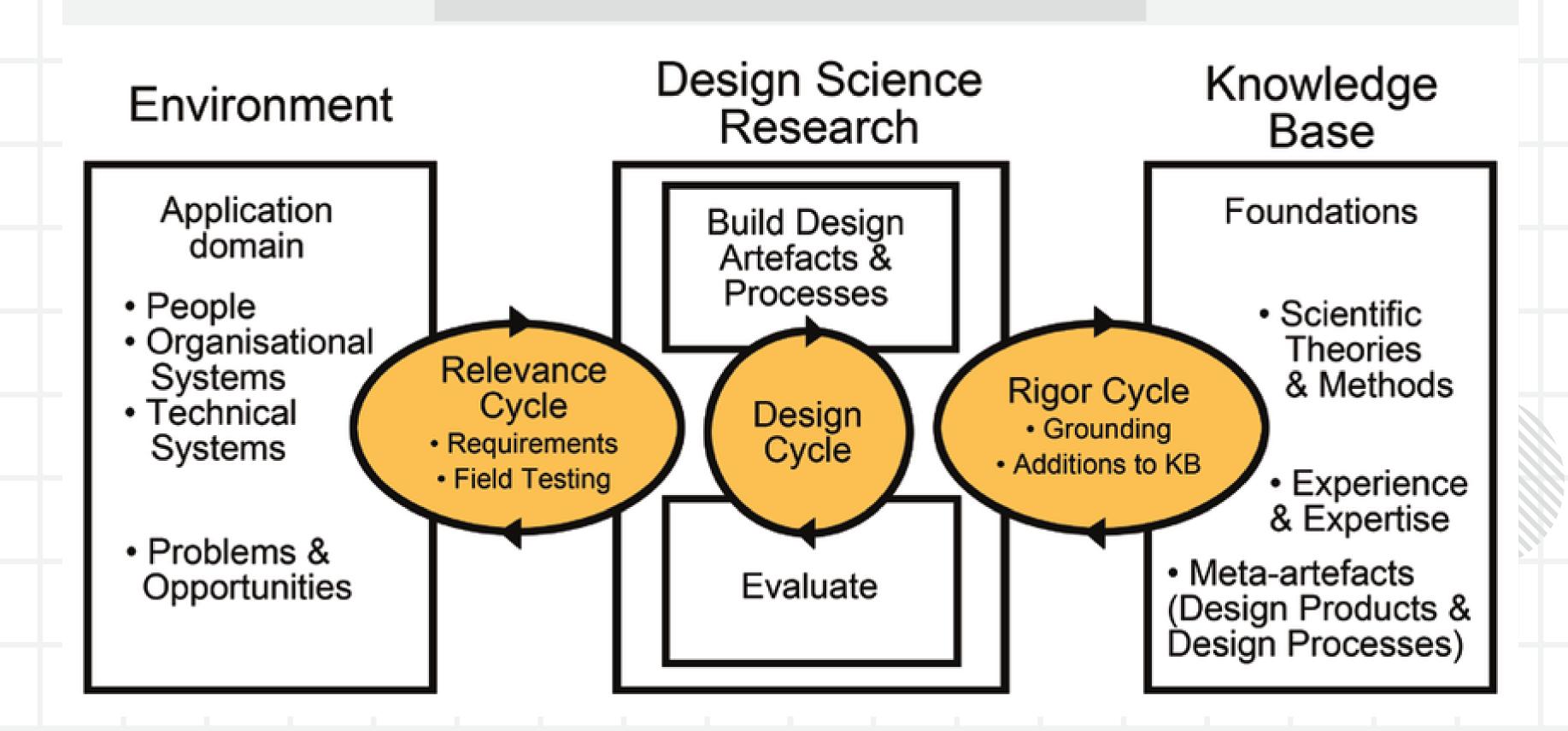
# CONCLUSION

Access a feature's probability of implementation

# WORK PLAN

	Week 1	Week 2	Week 3	Week 4
sk 1				
sk 2				
sk 3				
sk 4				
sk 5				
sk 6				
sk 7				
sk 8				

# METHODOLOGY



# THANK YOU

Presentation by Alexander Aronowitz

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