

# Where Are the Values? A Systematic Literature Review on News Recommender Systems

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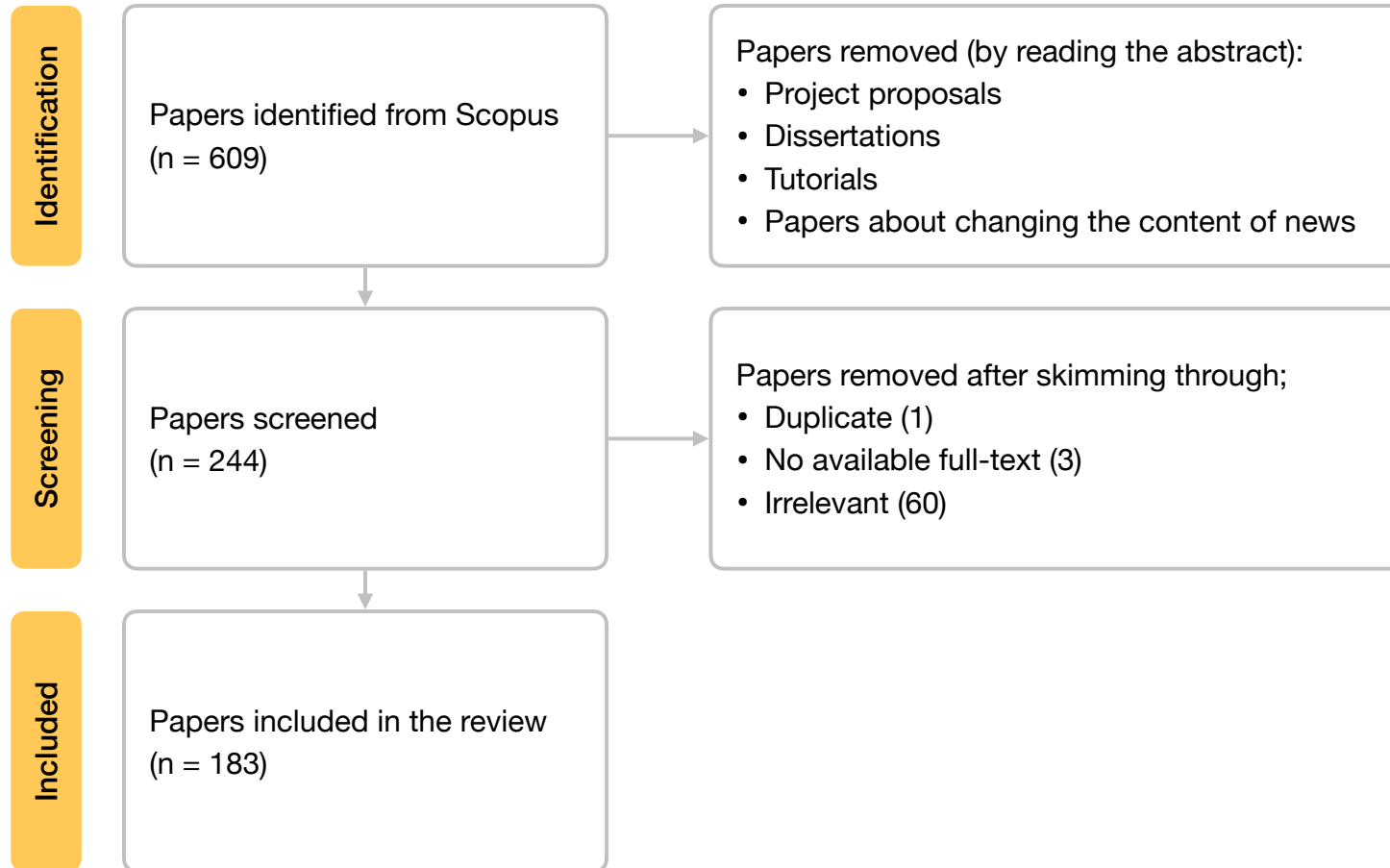
**Christine Bauer, Chandni Bagchi, Olusanmi A Hundogan, & Karin van Es (2024).** Where are the values? A systematic literature review on news recommender systems. *ACM Transactions on Recommender Systems*, 2(3), Art no. 23. DOI: 10.1145/3654805



# Motivation

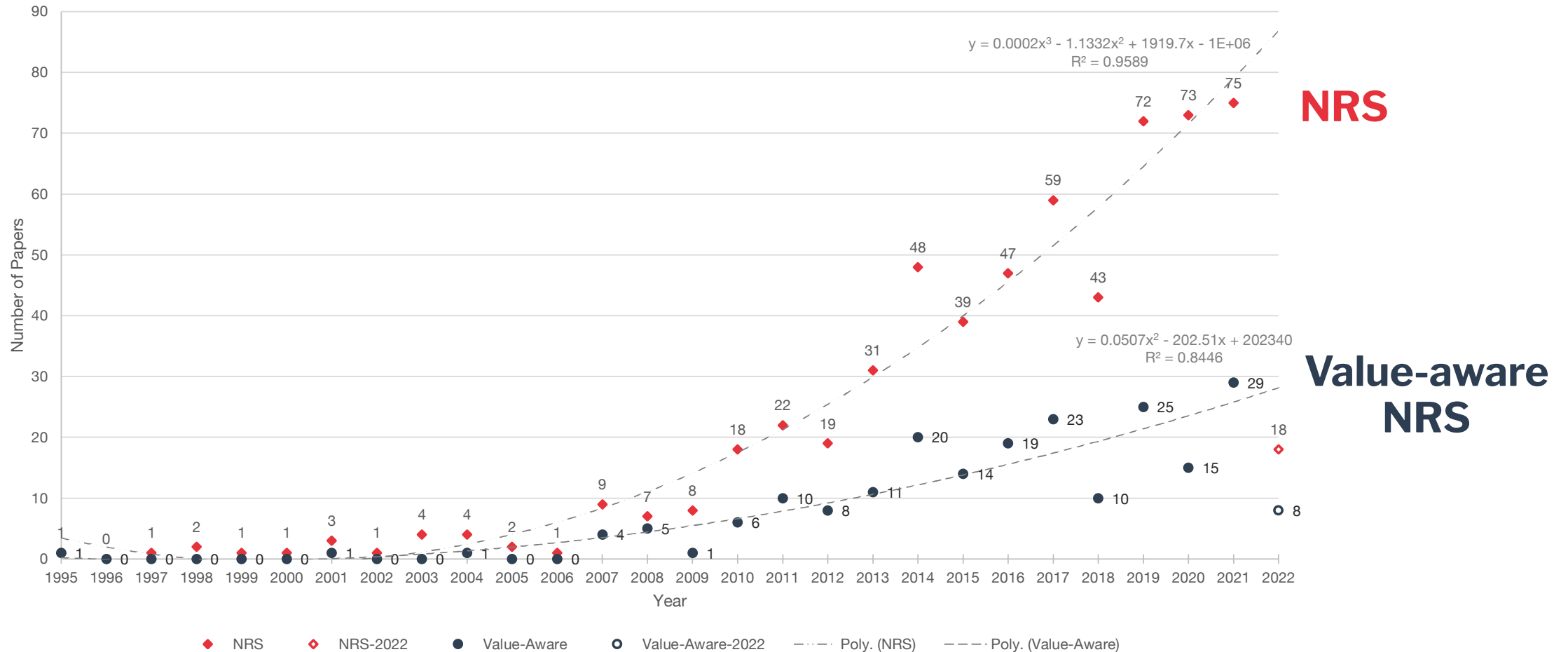
- Increasing interest in values “beyond accuracy” → particularly pronounced in the news domain
- News recommender systems (NRS) perform parts of the editorial function → uphold journalistic values
- Primary aim:  
Study the development, scope, and focus of value-aware NRS over time.

# Paper selection process



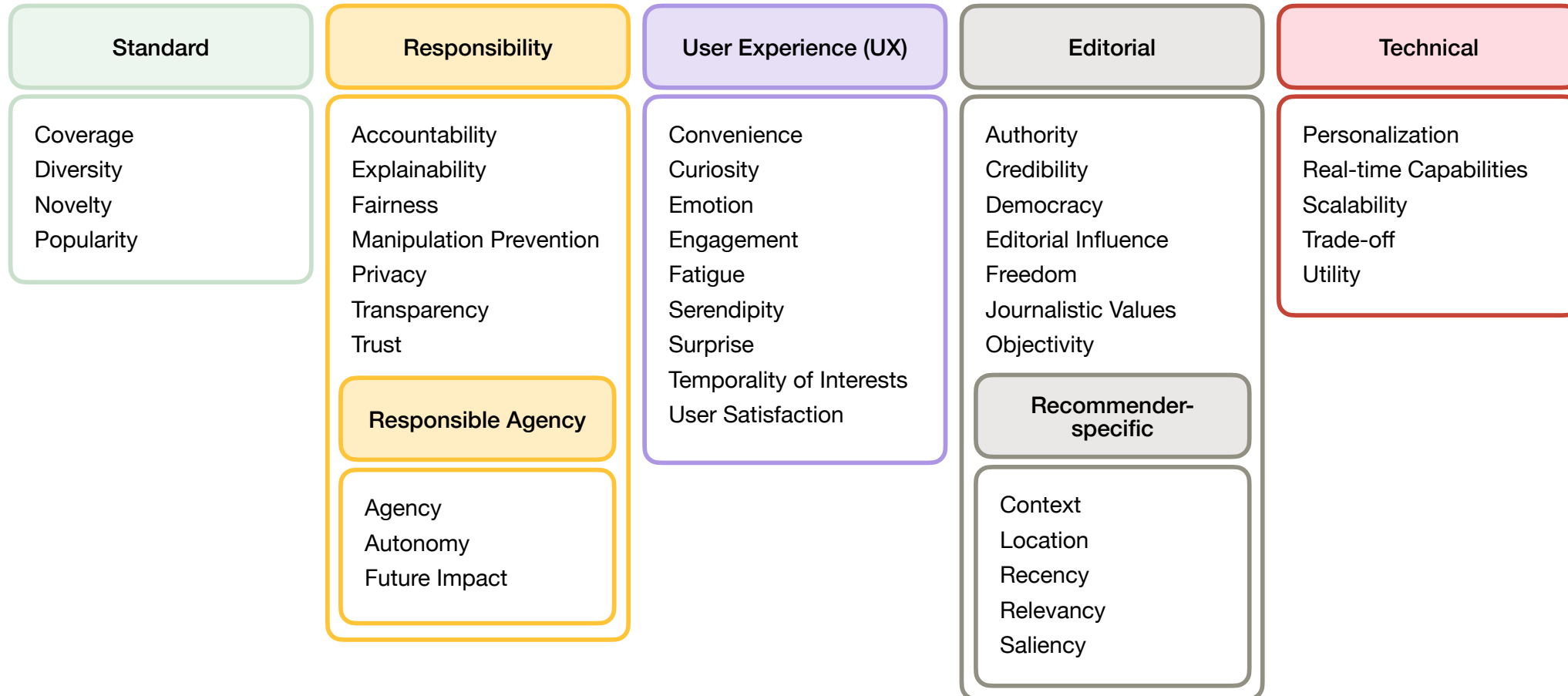
Scopus®

**While the number of NRS papers has grown rapidly from 2008 onward, the number of value-aware NRS papers did not grow proportionally.**



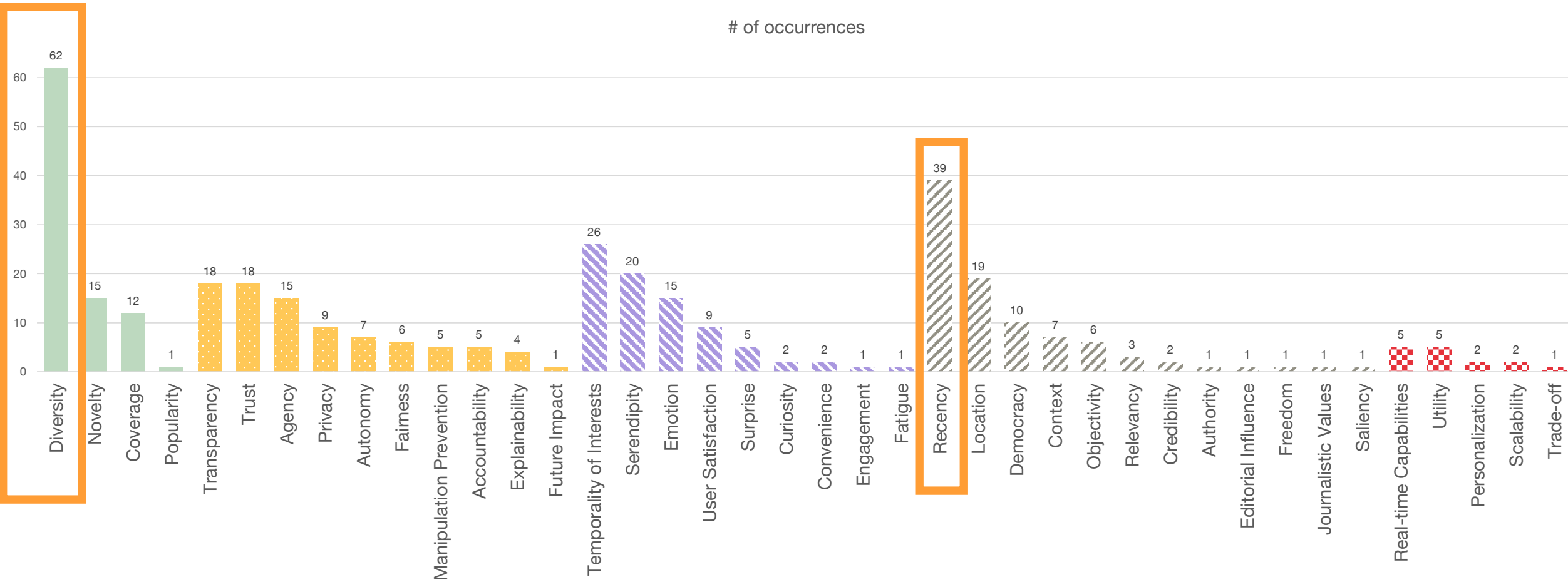
We identified a comprehensive set of 40 values.

We developed a categorization scheme to group these into 5 value groups.

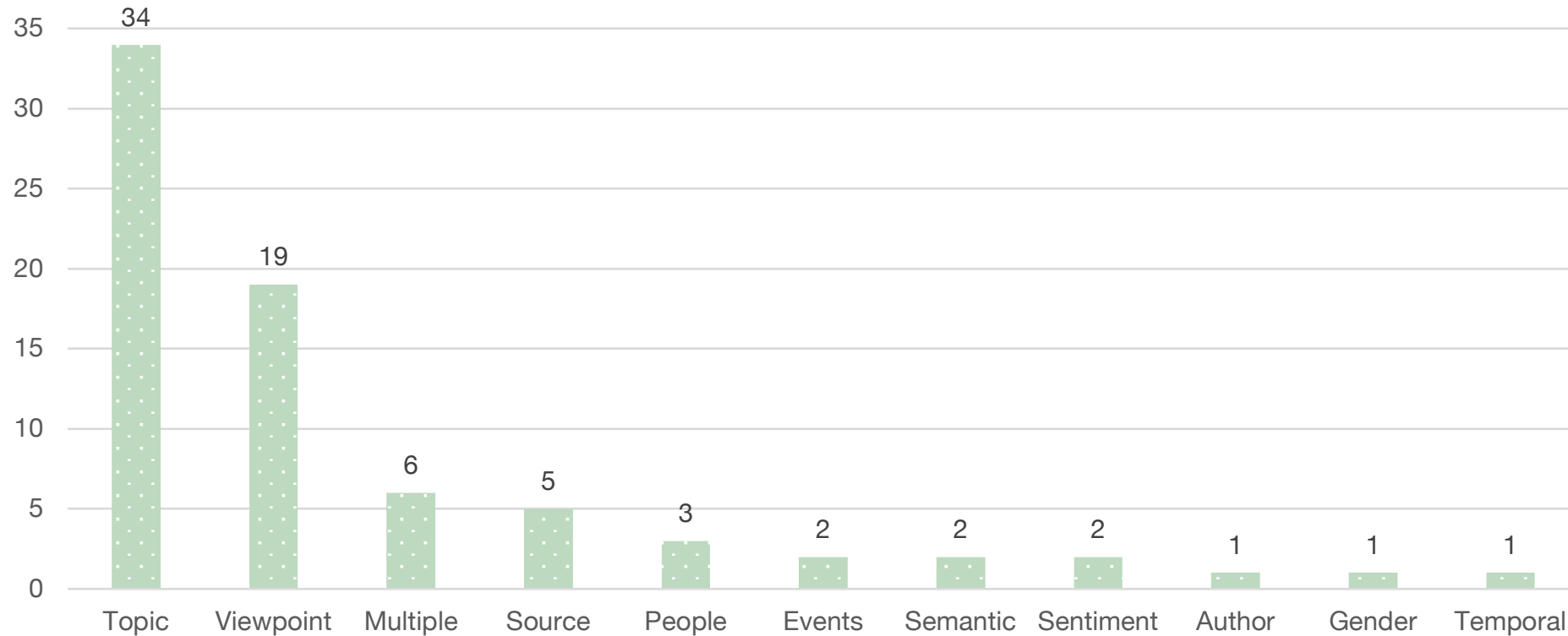


# Diversity far outnumbered other values in terms of occurrences (62 occurrences).

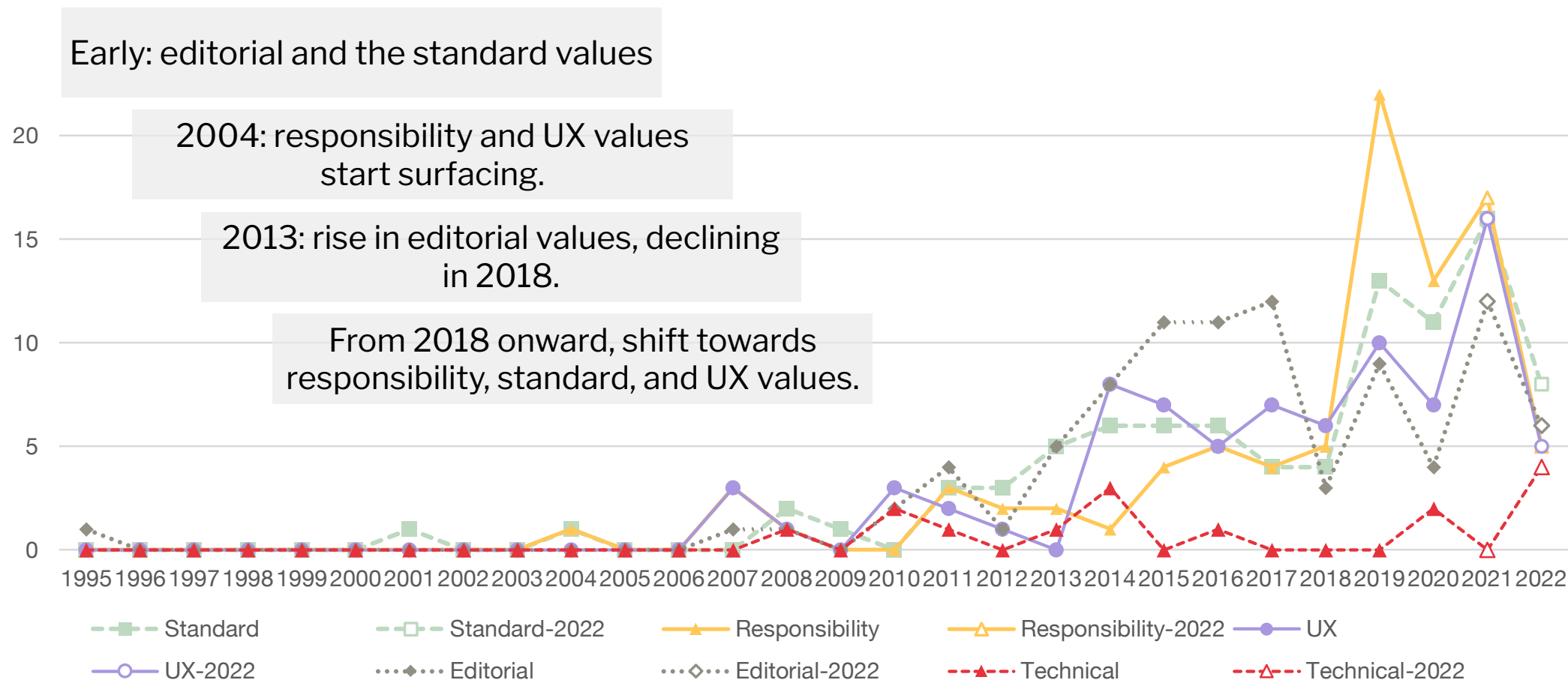
# of occurrences



# Diversity is addressed on a more fine-granular level.

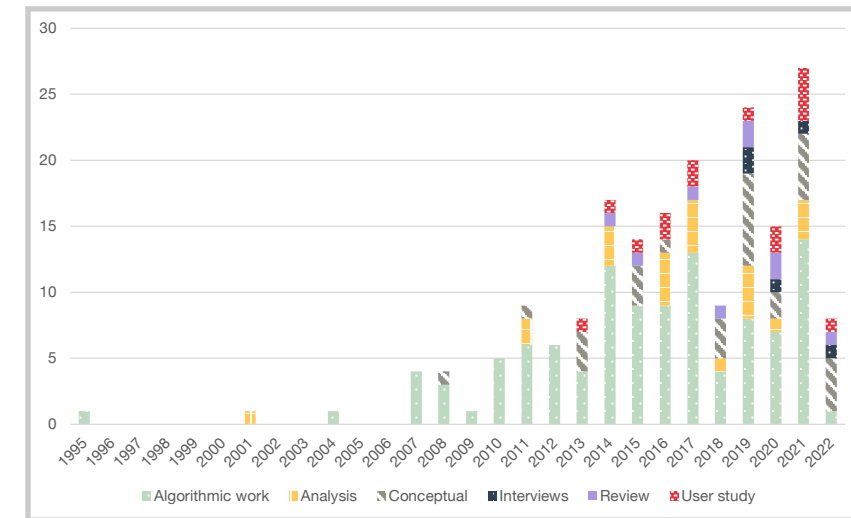
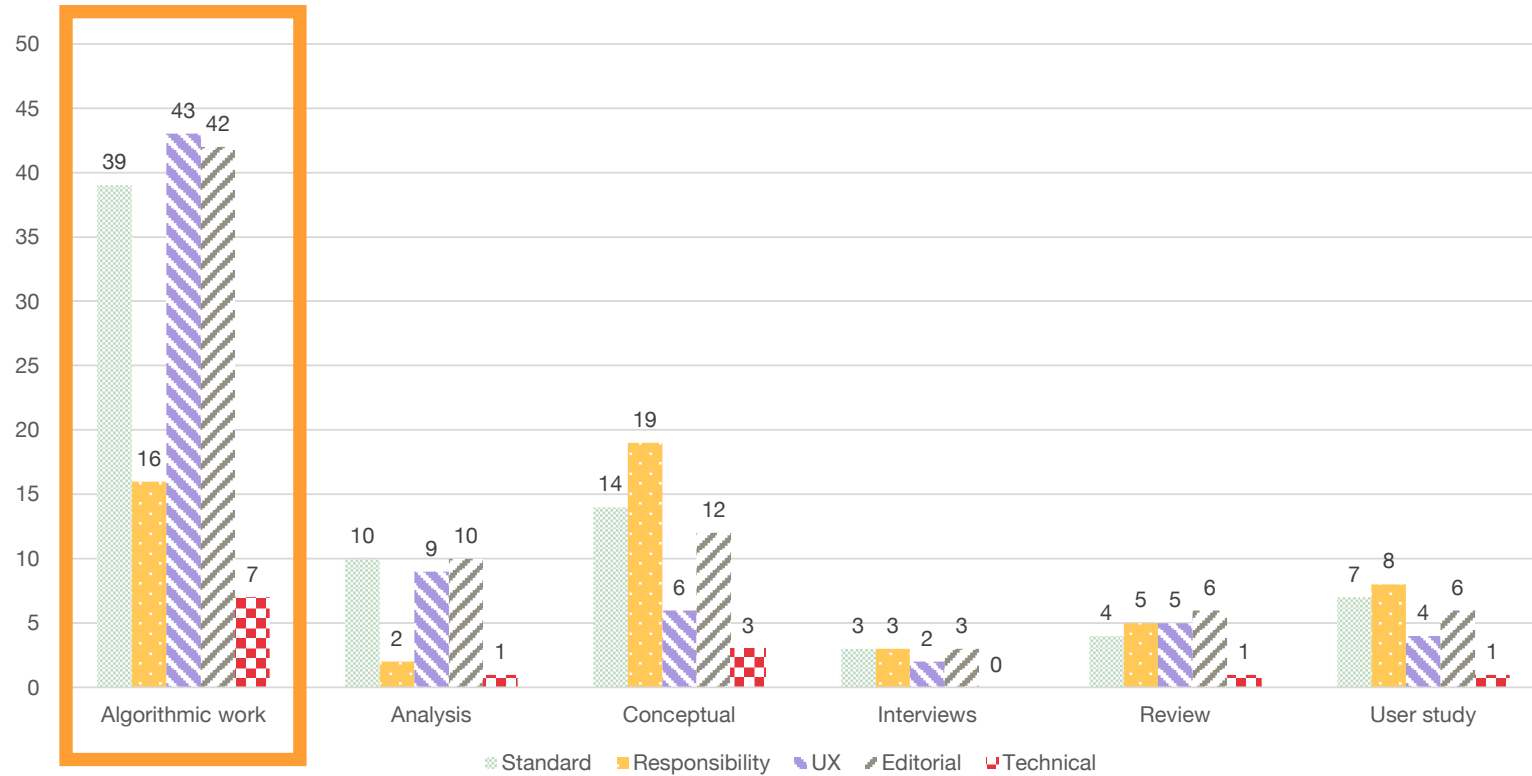


# Interesting publishing patterns over time.





# Focus on algorithmic work



# Take away

- Identified a total of 40 values
- Categorization scheme with 5 value groups  
→ Future: expand and refine
- Indicates the under-researched values
- Direction where values need to be targeted on a more fine-grained and specific level
- Driving force comes from outside computer science
- Inter- and transdisciplinary research collaborations are strongly encouraged  
→ Challenge: putting these collaborations into practice



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