CiteAs[1] alpha : Bridging the Gaps in Software Citation

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- Motivation: Improve the visibility of scientific software work and software citation.

Great software work → Clear requests for citation → More visibility in publications → More credit → Better Software → Better Research

- Linking pieces of software to citation requests: We want to discover and honor author's requests.

CiteAs[1] alpha as a Specialized Search Engine

- Input: digital identifiers of a specific piece of software
  - e.g., name of a software package; link to a Github repository/project website, DOI
- Output: A recommendation of a formatted software citation based on retrieved citation requests

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Current Forms of Citation Requests

Machine Readable citation metadata:

- CITATION.cff
- CodeMeta
- R Description file
- DOI-associated metadata

Natural language citation requests:

- Project website
- Documentation

etc.

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Example: http://citeas.org/

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We are in continuous development:

- We have been conducting stakeholder interviews since 2019
  - Seeking feedbacks for improvement
  - Looking for potential collaborators for sustainability concern

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We are in continuous development:

- Towards further motivating software creators to make clear citation requests:
  - Annotating software mentions in scientific publications
  - Developing a machine learning system that automatically identify software mentions in academic texts
  - Expected to be integrated into CiteAs, prompting software creators how their software have been mentioned in research papers; thus motivates the creation of clearer citation requests

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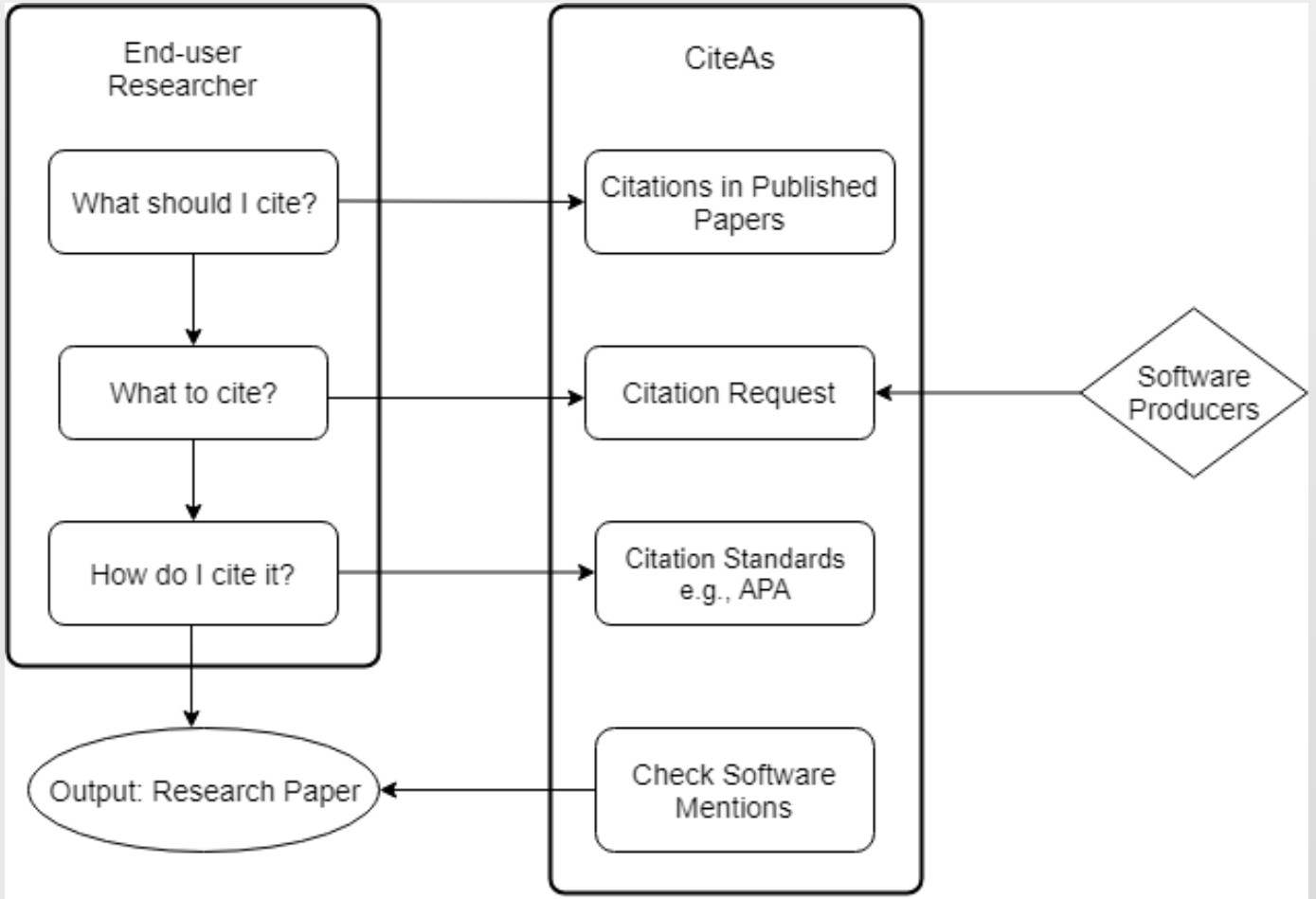

Figure 1. CiteAs is designed for bridging the gaps in software citation

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Please try CiteAs and report bugs and request features.

Thanks!

https://github.com/ourresearch/citeas-webapp