Software Citation Implementation WG

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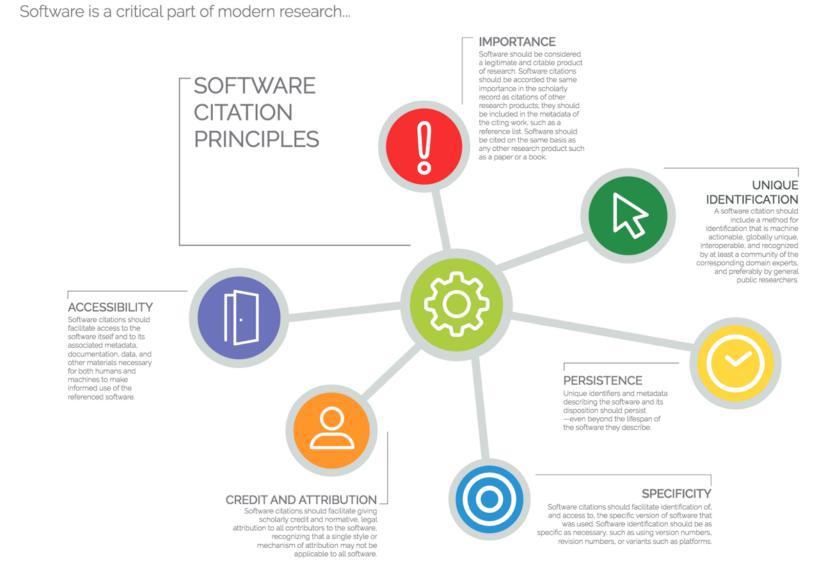
Slides: https://doi.org/10.6084/m9.figshare.9971672

Software is a critical part of modern research...

SOFTWARE CITATION PRINCIPLES

IMPORTANCE
Software should be considered a legitimate and citable product of research. Software citations should be accorded the same importance in the scholarly record as citations of other research products; they should be included in the metadata of the citing work, such as a reference list. Software should be cited on the same basis as any other research product such as a paper or a book.

UNIQUE IDENTIFICATION
A software citation should include a method for identification that is machine actionable, globally unique, interoperable, and recognized by at least a community of the corresponding domain experts, and preferably by general public researchers.

ACCESSIBILITY
Software citations should facilitate access to the software itself and to its associated metadata, documentation, data, and other materials necessary for both humans and machines to make informed use of the referenced software.

PERSISTENCE
Unique identifiers and metadata describing the software and its disposition should persist —even beyond the lifespan of the software they describe.

CREDIT AND ATTRIBUTION
Software citations should facilitate giving scholarly credit and normative, legal attribution to all contributors to the software, recognizing that a single style or mechanism of attribution may not be applicable to all software.

SPECIFICITY
Software citations should facilitate identification of, and access to, the specific version of software that was used. Software identification should be as specific as necessary, such as using version numbers, revision numbers, or variants such as platforms.

... yet there is little support for its acknowledgement and citation

Image courtesy of Datacite

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Why we're interested in the hackathon

- Understand the landscape of software use
- Make it easier for people to cite software (including better tooling)
- Ensuring policies and incentives support software citation

- Testing assumptions, getting feedback on principles

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Get Involved

- Join FORCE11 Software Citation Implementation WG
  - And join a task force (Guidance, Registries, CodeMeta)
  - https://www.force11.org/group/software-citation-implementation-working-group
  - https://github.com/force11/force11-sciwg
- Contribute your experience / implementations