

How To Cite CorText Manager

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1 Introduction

Software desempenha um pilar fundamental na ciencia moderna em todos os campos do conhecimento, entretanto nao é ainda reconhecido como um produto de primeira classe, algo necessario para gerar credito academico e incentivar pesquisadores e organizacoes na construcao de software para a ciencia [1].

Este panorama tem sido alvo de debates, como por exemplo, como aplicar os principios FAIR (Findable, Accessible, Interoperable e Reusable) a software [6], e propostas como por exemplo o Citation File Format (CFF) [4], um formato YAML para descricao de metadados de software, ou CodeMeta [5], um vocabulario conceitual em formato JSON-LD para interoperabilidade de repositorios de software.

Muitas destas propostas sao construidas a partir de debates centrados nos principios para citacao de software [7], resumidos a seguir:

Importancia Software deve ser considerado um produto pesquisa legitimo e citavel;

Credito e atribuicao Citacao a software deve gerar credito e reconhecimento academico;

Identificador unico A citacao ao software deve incluir uma maneira unica de identificacao e interoperavel;

Persistencia, persistente O identificador unico e os metadados do software devem ser persistir;

Acessibilidade Citacoes ao software devem facilitar acesso ao software e ao seus metadados;

Especificidade Citacao a software deve facilitar acesso e identificacao a versoes especificas do software.

Tomando estes principios como ponto de partida e as propostas de formatos de arquivos e ferramentas propostas neste debate este documento resume uma

proposta de como citar o software CorText Manager apropriadamente em trabalhos academicos, buscando assim incentivar credito e atribuicao as instituicoes, pesquisadores, engenheiros e demais atores envolvidos na construçao e financiamento da plataforma CorText Manager.

2 Cite CorText Manager with Bib \LaTeX

Abaixo segue um exemplo de como o CorText Manager ao ser citado[2] é visualizado nas referencias bibliograficas, este exemplo usa como base os dados descritos no arquivo *biblatex-software.bib* e é modo recomendavel ao citar CorText Manager.

References (example)

- [2] [SW] Philippe Breucker et al., *CorText Manager* version v2 (Coord.by Marc Barbier and Lionel Villard), Dec. 1, 2020. Laboratoire Interdisciplinaire Sciences Innovations Sociétés (LISIS). URL: <https://www.cortext.net> (visited on 01/31/2022), VCS: <https://github.com/cortext/how-to-cite-cortext>.

2.1 Bib \LaTeX file

Below you see the content of the Bib \LaTeX file *biblatex-software.bib* with the Bib \LaTeX Software extension[8].

```
@software{cortext_manager_v2,
  title = {CorText Manager},
  author = {Philippe Breucker and Juan-Pablo Ospina Delgado
    and Guillaume Orsal and Luis-Daniel Medina and Jean-Philippe Cointet},
  abstract = {Cortext Manager is a data analysis platform for citizens
    and researchers in the social sciences and humanities},
  date = {2020-12-01},
  month = {12},
  year = {2020},
  editor = {Marc Barbier and Lionel Villard},
  institution = {Laboratoire Interdisciplinaire Sciences Innovations
    Sociétés (LISIS)},
  version = {v2},
  url = {https://www.cortext.net},
  urldate = {2022-01-31},
  repository = {https://github.com/cortext/how-to-cite-cortext},
}
```

When using this file you can see the result of reference format citing CorText Manager [2] on the references section of this document.

3 Cite CorText Manager with BibTeX

References (example)

- [3] Philippe Breucker et al. *CorText Manager*. Dec. 2020. URL: <https://managerv2.cortext.net>.

3.1 BibTeX file

Below you see the content of the BibTeX file *bibtex.bib*, this file is created from *CITATION.cff* converted by *cffconvert* tool.

```
@misc{cortext_manager_v2_bibtex,
  keywords = {cortext},
  author = {Breucker, Philippe and Ospina Delgado, Juan-Pablo and Orsal,
    Guillaume and Medina, Luis-Daniel and Cointet, Jean-Philippe},
  month = {12},
  title = {CorText Manager},
  url = {https://managerv2.cortext.net},
  year = {2020}
}
```

When using this file you can see the result of reference format citing CorText Manager [3] on the references section of this document.

4 CorText Manager metadata

The CorText Manager metadata for academic citation is being maintained mainly in two files:

CITATION.cff Citation File Format (CFF) file with metadata about the software CorText Manager, this file is the main file to centralize all metadata required for citation.

biblatex-software.bib BibLaTeX file with Software extension, this file is a transcription of all informations from the *CITATION.cff* file.

The example on Section 2 was generated by using the file *biblatex-software.bib*, besides those two files there are some other files that must be described:

codemeta.json CodeMeta file generated from *CITATION.cff* by the *cffconvert* tool, this file is a machine-readable file in a interchangeable JSON-LD format.

bibtex.bib BibTeX file generated from *CITATION.cff* by the *cffconvert* tool, this file is useful for whom is using BibTeX as referencing system.

The example on Section 3 was generated by using the *bibtex.bib* file, instructions on how to update those files can be found at *AUTHORS.md* document.

References

- [1] Pierre Alliez et al. “Attributing and Referencing (Research) Software: Best Practices and Outlook From Inria”. In: *Computing in Science Engineering* 22.1 (Jan. 2020). Conference Name: Computing in Science Engineering, pp. 39–52. ISSN: 1558-366X. DOI: 10.1109/MCSE.2019.2949413.
- [2] [SW] Philippe Breucker et al., *CorText Manager* version v2 (Coord.by Marc Barbier and Lionel Villard), Dec. 1, 2020. Laboratoire Interdisciplinaire Sciences Innovations Sociétés (LISIS). URL: <https://www.cortext.net> (visited on 01/31/2022), VCS: <https://github.com/cortext/how-to-cite-cortext>.
- [3] Philippe Breucker et al. *CorText Manager*. Dec. 2020. URL: <https://managerv2.cortext.net>.
- [4] Neil P. Chue Hong et al. *Software Citation Checklist for Developers*. eng. Tech. rep. Zenodo, Oct. 2019. DOI: 10.5281/zenodo.3482769. URL: <https://zenodo.org/record/3482769> (visited on 08/31/2021).
- [5] Stephan Druskat et al. “Citation File Format (CFF) - Specifications”. eng. In: (Nov. 2019). Publisher: Zenodo. DOI: 10.5281/zenodo.3515946. URL: <https://zenodo.org/record/3515946> (visited on 08/31/2021).
- [6] *FAIR Research Software*. URL: <https://fair-software.nl/home> (visited on 08/31/2021).
- [7] Arfon M. Smith, Daniel S. Katz, and Kyle E. Niemeyer. “Software citation principles”. en. In: *PeerJ Computer Science* 2 (Sept. 2016). Publisher: PeerJ Inc., e86. ISSN: 2376-5992. DOI: 10.7717/peerj-cs.86. URL: <https://peerj.com/articles/cs-86> (visited on 08/31/2021).
- [8] softwareheritage.org. *Citing software with style*. en-US. May 2020. URL: <https://www.softwareheritage.org/2020/05/26/citing-software-with-style/> (visited on 08/31/2021).