How To Cite CorText Manager

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1 Introduction

Software and Platform availability play a fundamental role in scientific activities and front of knowledge development. It concerns many disciplines, interdisciplinary research and open-sciences. Software, services, datasets and IT assets are more and more assembled in research infrastructures. There is need to up-grade the impact and radical empowerment of those application and infrastructure on science dynamics, and thus to recognize Software and Infrastructure for research as a first class product. This means to generate academic credit and encourage researchers, engineers and their organizations to be more involved in the support and recognition of software and platforms for science [1].

The European policy of research infrastructure plays a key-role and tend to accelerate this development and also foster the professionalization of infrastructure technology and management. But the engagement of scientists and engineers in software and platform archictecture needs to be recongnized as a key contribution to on-going and future dynamics of Science and Innovation in Societies.

One key issue in this dynamic is the function of software as key assets for new front of knowledge. This point has been and -still is- a matter of debates, such as how to apply the FAIR (Findable, Accessible, Interoperable and Reusable) principles to software [6], and proposals such as the Citation File Format (CFF) [4], a YAML format for describing software metadata, or CodeMeta [5], a JSON-LD conceptual vocabulary for software repositories interoperability.

Many of these proposals are built around debates centered on the software citation principles [7], summarized below:

Importance: Software should be considered a legitimate and citable product of research.

Credit and attribution: Software citations should facilitate giving scholarly credit and recognizing.

Unique identification: A software citation should include a globally unique identification.

Persistence: Unique identifiers and metadata describing the software should persist.

Accessibility: Software citations should facilitate access to the software itself and to its metadata.

Specificity: Software citations should facilitate identification of the specific version of software that was used.

Based on these principles and taking some of the more recent proposals on how to cite software, here follows a proposal of how the CorText Manager as a on line application or software should be cited in academic papers.

2 Cite CorText Manager with BibLaTeX

Within the general issue expose in section 1, this note intend to normalize the format of how the CorText Manager should be cited when it is accounted as a software being developed and delivered as a online application for scientific work by others.

When cited the format of citation is to be clearly defined as shown hereunder [2] is displayed in the bibliographic references. This example uses the data described in the file *biblatex-software.bib*. This format is the one recommended to cite CorText Manager in an appropriate way.

References to Software development (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 BibLaTeX file

Below you see the content of the BibLaTeX file *biblatex-software.bib* with the BibLaTeX 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
    and Cristian Martinez and Alexandre Hannud Abdo and Morton Fox
    and Constance de Quatrebarbes and Tam-Kien Duong and Diego-Fernando Gómez Peña
    and Tatiana Andrea Sánchez Castaño and Joenio Marques da Costa
```

```
    },
  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
  and Martinez, Cristian and Hannud Abdo, Alexandre and Fox, Morton
  and de Quatrebarbes, Constance and Duong, Tam-Kien and Gómez Peña,
  Diego-Fernando and Andrea Sánchez Castaño, Tatiana and Marques da
  Costa, Joenio},
  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).