

Manuscripts description for philology with biblatex

New data types

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1 Introduction

1.1 Goals

The biblatex package defines some standard fields for entry, and allows the use of extra fields, like `usera`, `userb`. However, the number of extra fields needed to describe manuscripts in an introduction of a critical edition of classical texts is too great to use these fields' names without mistake.

The aim of this package is twofold:

- Provides new datatype: `@manuscripts` with appropriate fields.
- Provides new bibliography styles to print the list of manuscripts:
 - As a detailed list of witnesses of a text.

- As a *conspectus siglorum*.

You can see minimal example in the file [example.pdf](#).

1.2 Credits

This package was created for Maïeul Rouquette’s PhD¹ in 2014. It is licenced on the *LATEX Project Public Licence*².

All issues can be submitted, in French or English, in the GitHub issues page³.

2 Requirement

This package needs biblatex 3.3 or later.

3 New type and fields

This package defines one new bibtype @manuscript, which is to be used to define a manuscript.

3.1 Mandatory

This bibtype has these mandatory fields:

`collection` field (literal)

the collection in the library. For example: Supplément grec or Vaidyaka.

`location` field (literal)

the city or place where the manuscript is kept. For example: Paris or Oxford or Varanasi.

`library` field (literal)

the library where the manuscript is kept. For example: Bibliothèque nationale de France or Sarasvatī Bhavan Library.

`shelfmark` field (literal)

the shelfmark in the collection. For example: 241. Do not prefix with “MS”.

¹<http://apocryphes.hypotheses.org>.

²<http://latex-project.org/lppl/lppl-1-3c.html>.

³<https://github.com/maieul/biblatex-manuscripts-philology/issues>.

3.2 Optional

This bibtype can use the optional fields:

`bookpagination` field (key)

the pagination or foliation of the manuscript which is studied. The standard biblatex pagination keys are allowed, but the package adds a new key: `folio`.

The value of this field will be used when printing the `pages` and `pagetotal`. E.g., “ff. 3–5” (when `bookpagination` = “`folio`”) or “pp. 88–99” (“page”). See the biblatex manual for details.

`columns` field (integer)

the number of column by pages. Basically, only two numbers are allowed: 1 or 2.

`dating` field (literal)

the dating of the manuscript. It can be for example a century.

`layer` field (key)

for palimpsests, the layer which is studied. There is two possibility:

`inf` for the inferior layer.

`sup` for the superior layer

`shortcollection` field (literal)

the abreviated form of the collection. Not used by the default style.

`shortlibrary` field (literal)

the abreviated form of the library. Not used by the default style.

`pages` field (range)

the pages which are studied in the manuscript. In this field, you can use the macros `\recto` and `\verso`. This value will be used when formatting citations.

Use this field also for manuscript folio numbers. E.g., “3`\verso`–5`\recto`”.

`pagetotal` field (integer)

the number of pages or folios in the manuscript.

pagination field (key)

the pagination of part of manuscript which is studied. The standard pagination keys are allowed, but the package adds a new key: `folio`. This value will control the formatting the `\postnoterangle` argument of a citation command (see the biblatex manual for details).

shorthand field (literal)

the shorthand of the manuscript. If this field is empty, the entry key will be used as shorthand, except if the version `manuscript-noautoshorthand` is loaded. See § 4.1.

script list (key or literal)

the script, i.e. the *writing system* of the manuscript (for example Devanāgari, Śāradā, Cyrillic). You can use or a key-value system, or just use literal value. No default keys are defined. To define your own key, see § 5.1.

support field (key or literal)

the support of the manuscript, which will be translated into your work language. These keys are defined:

- `birch-bark`;
- `palm-leaf`;
- `papyrus`;
- `paper`;
- `parchment`.⁴

To define your own key, see § 5.1.

3.3 Special

There are also many special fields, which are printed only if we ask for them explicitly:

annotation field (literal)

some annotation about the manuscript and its contents. If you want to add paragraphs inside it, you must use the `\par` command between each paragraph.

catalog field (special)

a list of catalogues which describe the manuscript. You must fill this field with arguments of a `\cites` command. For example:

⁴Historically, the keyword was `pergament`, which is kept only for ascendant compatibility.

```
@manuscript{key,  
    field1 = {value1},  
    field2 = {value2},  
    catalog = {[prenote1][postnote1]{key1}[prenote2][postnote2]{key2}}}
```

`contents` field (literal)

description of the manuscript’s contents, can be used with or instead of `annotation`. It starts a new block into the description output. If you want to add paragraphs inside it, you must use the `\par` command between each paragraph. E.g., “Covers chapters 1–3 only.”

`origin` field (list)

the places where the manuscript was written.

`owner` field (name)

the name(s) of the owner(s) of the manuscript in the past.

`scribe` field (list)

the name(s) of the scribe(s).

4 Use

4.1 Loading

When loading the `biblatex` package, use the option `bibstyle` with value equal to `manuscripts`.

```
\usepackage[bibstyle=manuscripts,otheroption...]{biblatex}
```

If you don’t want the shorthand of the manuscript be auto-defined from the entry key, use `manuscripts-noautoshorthand` instead.

```
\usepackage[bibstyle=manuscripts-noautoshorthand,otheroption...]{biblatex}
```

The bibliographic style for other type entries is “verbose”, which call “authortitle”. However, if you need other bibliographic style, use the `biblatex-multiple-dm` package.

4.2 Citation of one manuscript

The manuscript description is supposed to be used with a `citestyle` of the *verbose* family (see the biblatex handbook), but you can use any other `citestyle`. The only problematic point is that the manuscript citation will be verbose.

So, if you use:

```
\cite{manuscriptkey}
```

the full reference of the manuscript will be printed (see the example file). However, you can use `\shcrite` to print directly the shorthand of the manuscript:

```
\shcrite{manuscriptkey}
```

You can also use `\detailscite` to print the description of the manuscript including the “special” fields (3.3), like `owner` and `annotation`.

```
\detailscite{manuscriptkey}
```

A `\detailscites` version of the commands does the same thing, but for multiple manuscripts.

```
\detailscites{manuscriptkey1}{manuscriptkey2}{...}{manuscriptkeyn}
```

4.3 List of manuscripts: *conspectus siglorum*

You can use the standard command `\printshorthands` with appropriate options:

```
\printshorthands[type=manuscript,title=Conspectus siglorum]
```

In the previous example, we use one option to print shorthands only for manuscripts entries, and we set the title to the classical one “Conspectus siglorum”.

4.4 List of manuscripts with detailed fields

If you want to print a list of manuscripts with detailed fields listed in § 3.3, just use the `env` option, with value equals to `details`.

```
\printshorthands[type=manuscript,env=details,title=Description of manuscripts]
```

In this case, you must run two times biber: one after the first run of L^AT_EX and one after the second run, to add in the `.bbl` the catalogues. After that, run a third time L^AT_EX.

If you use `manuscripts-noautoshorthand` bibstyle, this list could contain manuscripts without shorthand. By default, the descriptions of such manuscripts will be aligned on the left of the shorthands column.

Another solution is to make two lists: one containing the manuscripts which have shorthand and one containing the manuscripts which have not shorthand. You can add to your \printbibliography or \printshorthands commands a bibcheck option, equal to withshorthand or withoutshorthand. As you:

```
\printshorthands[  
    type=manuscript,  
    env=details,  
    title=Description of used manuscripts,  
    check=withshorthand  
]  
\printbibliography[  
    type=manuscript,  
    env=details,  
    title=Description of other manuscripts,  
    check=withoutshorthand  
]
```

Maybe, you want to print the details but not the shorthand, even if the manuscripts have shorthands. In this case, use \printbibliography with the env option equals to details-noshorthand.

```
\printbibliography[  
    type=manuscript,  
    env=details-noshorthand,  
    title=Description of manuscripts,  
]
```

4.5 Sorting list of manuscripts without shorthand

If you doesn't use the shorthands' feature, you can want to print a list of manuscripts, sorted by Town, Library, Collection, Shelfmark.

For this purpose, you can use, the option sorting=manuscripts of a refcontext environment.

```
\begin{refcontext}[sorting=manuscripts]{  
}\printbibliography[  
    type=manuscript,  
    title=Description of other manuscripts,  
]  
\end{refcontext}
```

You can use the special field sortshelfmark if the way you shelf marks are sorted is not the way they are printed (like in normal entry type, you can use sorttitle).

However, using different sorting scheme for different bibliography in the same document implies that biber will insert many time the bibliographic entries in the .bb1 file, once by sorting scheme. If you have a bib bibliography, that could make L^AT_EX finishing the next run by a

TeX capacity exceeded, sorry [main memory size=<something>]
because this will full the memory⁵.

In order to prevent this, the package also provides sorting schemes to get the same sorting scheme for manuscripts and other entries, even if separated in the final bibliography. The following sorting schemes are adapted for the standard biblatex sorting schemes:

- nty+manuscripts, adapted from nty;
- nyt+manuscripts, adapted from nyt;
- nyvt+manuscripts, adapted from nyvt.

To use these scheme, don't use recontext environment, but simply the global option when loading biblatex:

```
\usepackage[sorting=nty+manuscripts,...]{biblatex}
```

If you need more sorting scheme, please contact us, we could integrate them easily.

5 Customization

5.1 Create your own keys

The support and script fields can contains either literal string, either key that biblatex will transform to a value.

That use only standard biblatex localization string.

To define your owns key, add into your preamble:

```
\NewBibliographyString{<key1>}
\NewBibliographyString{<key2>}
...
\NewBibliographyString{<keyn>}
\DefineBibliographyStrings{%
    <key1> = {<value1>},
    <key2> = {<value2>},
    ...,
    <keyn> = {<valuen>}
}
```

Where <key1>, <key2> ... <keyn> must be replaced by the keys, and <value1>, <value2> ... <valuen> by the value.

⁵The problem should not happen if you use LuaL^AT_EX, because, contrary to X_EL^AT_EX and L^AT_EX, LuaL^AT_EX has no limit in memory, except the limit of the computer... which should be enough with recent computer.

5.2 Commands

You can redefine, with `\renewcommand` some commands defined in `manuscripts.bbx`. The commands starting with `\mk...` take one argument, the other take no argument. In these command, use the punctuation commands of biblatex.

`\collectionshelfmarkpunct` the punctuation between `collection` and `shelfmark`. By default `\addspace`.

`\columnslayerpunct` the punctuation between `columns` and `layer`. By default `\addsemicolon\addspace`.

`\datingpagespunct` the punctuation between `dating` and `pages`. By default `\addcomma\addspace`. The `\isdot` is automatically called when printing `dating` field.

`\librarycollectionpunct` the punctuation between `library` and `collection`. By default `\addcomma\addspace`.

`\mkcolumns` the way the `columns` are printed. By default, in parens.

`\mkcolumnslayer` the way the `columns` and `layer` fields are printed together. By default, in parens.

`\mklocation` the way the `location` is printed. By default, with the command `\mkbibnamefamily`.

`\mkmanuscriptdescriptionlabel` the way the label are printed before the special fields. By default, in bold, followed with `\manuscriptdescriptionlabelpunct`.

`\mkmanuscriptdescriptionlabelparagraphed` the way the label are printed before the special fields which can contains paragraph (e.g. content. By default, in bold, followed with `\par`.

`\mkshcite` the way the shorthand is printed when using `\shcite`. By default, no special formatting.

`\locationlibrarypunct` the punctuation between `location` and `library`. By default `\addcolon\addspace`.

`\manuscriptdescriptionlabelpunct` the punctuation between label and text, for the special fields. By default `\addcolon\addspace`.

`\moreinterpunct` the punctuation between each special fields when printing in the same paragraph. By default `\addcolon\addspace`.

`\pagetotalpagespunct` the punctuation between `pagetotal` and `pages`. By default `\addcolon\addspace`.

5.3 Commands to use in the pages field

In the `pages` field, you can use `\recto` and `\verso` command when you speak of folios. Default value are `r` and `v` but you can change them.

5.4 Localization strings

Some specific localization strings are defined in the `manuscripts-xxx.lbx` files. Read the biblatex handbook to know how to customize it.

5.5 Macros and field formats

The `manuscripts-shared.bbx` file defines bibmacros and field formats (read the biblatex handbook to know more about bibmacro and field format). We can't list all of them, but you can look on them to know how to customize more finely the manuscripts description.

6 Use with biblatex-realauthor

To use this package with the features of `biblatex-realauthor`, you must use the package `biblatex-multiple-dm`.

7 Migration to v.2.0.0

The version 2.0.0 adds some modification which could require modifications in your own customization.

1. We have decided to prefix all bibmacros concerning manuscript with `manuscript:`. If you have redefined one of the following macros, or if you have created your own macros which call them, you should adapt your code:
 - `annotation`;
 - `catalog`;
 - `collection+shelfmark`;
 - `date/dating`;
 - `more+annotation+catalog`;
2. The `support+dating` does not exist anymore.
3. Now, the `annotation` field is introduced with a label. If you don't want this label, add into your preamble/custom style:

```
\DeclareFieldFormat{annotation}{#1}
```

8 Change history

2.1.2 2019-01-07

Fix bug when changing language in the middle of an handbook.

2.1.1 2019-10-02

Fix warning with sorting schemes.

2.1.0 2018-09-30

Add `\detailcite` and `\detailsctes` commands.

Add `env=details-noshorthand` option to `\printbibliography`.

2.0.0 2018-09-19

Add `contents` and `script` fields.

Add new support types.

Improve handbook (thanks to Dominik Wujastyk).

Really add italian translation.

1.12.3 2017-11-26

Add compatibility with biblatex 3.8.

1.12.2 2017-01-31

Fix spurious space after citation of a manuscript.

1.12.1 2016-10-28

Move url after folio and columns data.

1.12.0 2016-10-23

New sorting schemes.

1.11.0 2016-09-21

Fix typographical bug when using both `layer` and `columns` fields without `pages` field.

1.10.1 2016-09-07

Use `\mkbibnamefamily` instead of `\mkbibnamelast` (biblatex 3.3 and later).

1.10.0 2016-06-07

Add error message to know more quickly break compatibility with new releases of biblatex.

1.8.0 2016-03-11

Fix compatibility with biblatex 3.3.

1.7.0 2016-02-10

Add italian translation.

1.6.2 2015-11-01

Fix missing line break before scribe or owner fields when origin field is empty.

1.6.1a 2015-05-06

Fix typo in handbook

Insert good version number in the \ProvidesFile commands.

1.6.1 2014-10-21

Add \isdot after each printing of the dating field, to allow to use abbreviations with a dot (like "c.") without adding a uppercase after. Consequently, \isdot is deleted from \datingpagespunct.

1.6.0 2014-10-16

Patching some bibmacros to prevent lost of manuscript descriptions when using op. cit abbreviation.

1.5.0 2014-10-08

Formating of collection+shelfmark defined in a FielFormat.

Compatibility with chicago-notes styles.

1.4.0 2014-06-23

Compatibility with biblatex-multiple-dm. 6

1.3.0 2014-06-16

Add sorting description. 4.5

1.2.0 2014-04-07

Add layer. 3.2

1.1.1 2014-03-20

Delete msnoautoshorthand option and replace it by the manuscripts-noautoshorthand style. 4.1

1.1.0 2014-03-15

Add msnoautoshorthand option.

Add shortcollection field. 3.2

Add withshorthand and withoutshorthand bibcheck. 4.4

1.0.0 2014-01-20

First public release.