

# archaeologie – bib<sub>La</sub>T<sub>E</sub>X for archaeologists\*

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## Abstract

This citation-style covers the citation and bibliography rules of the Deutsches Archäologisches Institut (DAI). Various options are available to change and adjust the outcome according to one's own preferences. The style is compatible with the English, German, Italian, Spanish and French languages, since all bibstrings used are defined in each language.

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## 1 Installation of the bundle

`archaeologie` is part of the distributions [MiKTeX](#) and [TeXLive](#) – thus, you can easily install it using the respective package manager. If you would like to install `archaeologie` into your local folder manually, do the following: Go to your terminal, browse to the folder of this bundle and run

```
make install
```

If you are using macOS you will be asked for your user account password for the installation.

Further options of this makefile are:

- `clean`: deletes all unnecessary files

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\*Also very handy for (ancient) History or Classics, too. For further information about the code visit [biblatex-archaeologie.de](mailto:info@biblatex-archaeologie.de): Comments and criticisms are welcome. We thank especially [moewe](#) and [herbert](#) for their great help with the code.

- `cleanbundle`: deletes all files except `.dtx`, `.pl`, `.md`. You will get the plain version of this bundle. This might be helpful if you send the bundle to someone else.
- `ctan`: this will create a zip file which can be used to send to CTAN.
- `uninstall`: will erase the locally installed files.

## 1.1 Development

This bundle is constantly updated. For hints, errors or suggestions use the GitHub repository <https://github.com/LukasCBossert/biblatex-archaeologie>.

## 2 Changelog

All notable changes to this project will be documented in the README.md. This project **does not** adhere to [Semantic Versioning](#). The markdown syntax is inspired by the conventions proposed by [keepachangelog.com](https://keepachangelog.com).

```

1
2 \RequireBibliographyStyle{standard}
3 \RequirePackage[normalem]{ulem}
4 %\RequirePackage{csquotes} % optionclash
5 \ExecuteBibliographyOptions{%
6   pagetracker=true,%
7   citecounter=true,%
8   sortlocale=auto,%
9   language=auto,%
10  bibencoding=utf8,%
11  dateabbrev=false,%
12  sorting=nyt,%
13  alldates=comp,%
14  labeldateparts=true,%
15  labeldate=year,%
16  maxnames=2,%
17  minnames=1,%
18  maxitems=1,%
19  maxbibnames=999,%
20  useprefix=true,%
21  mincrossrefs=1,%
22 }
23 %-----
24 \newbool{bbx:edby}
25 \newbool{bbx:width}
26 \newbool{bbx:yearseries}
27 \newbool{bbx:bibfullname}
28 \newbool{bbx:inreferencesasfullcite}
29 \newbool{bbx:noabbrv}
30 \newbool{bbx:translation}
31 \newbool{bbx:publisher}
32 \newbool{bbx:counter}
33 \newbool{bbx:eventdatelanguage}
34 \newbool{cbx:ancient}

```

```

35 \newbool{cbx:frgancient}
36 \newbool{cbx:corpus}
37 \newbool{bib:lstabbrv}
38 \newbool{bib:bibcorpora}
39 \newbool{bib:bibancient}
40 \newbool{bib:lstlocations}
41 \newbool{bib:lstpublishers}
42 \newsavebox\arch@labelbox
43 \newlength{\labwidthsameline}
44 \setlength{\labwidthsameline}{4em}
45
46 \newtoggle{bbx:jstor}
47 \newtoggle{bbx:zenon}
48 \newtoggle{bbx:urn}
49 \newtoggle{bbx:arachne}
50
51 \setlength{\biblabelsep}{0em}
52 %-----
53 \DeclareBibliographyOption{lstabbrv}[true]{%
54   \csuse{bool#1}{bib:lstabbrv}%
55   \addbibresource{archaeologie-lstabbrv.bib}}
56 \DeclareBibliographyOption{bibcorpora}[true]{%
57   \csuse{bool#1}{bib:bibcorpora}%
58   \addbibresource{archaeologie-bibcorpora.bib}%
59   \ifbool{bib:lstabbrv}%
60     {}%
61     {\addbibresource{archaeologie-lstabbrv.bib}}}
62 \DeclareBibliographyOption{bibancient}[true]{%
63   \csuse{bool#1}{bib:bibancient}%
64   \addbibresource{archaeologie-bibancient.bib}}
65 \DeclareBibliographyOption{lstlocations}[true]{%
66   \csuse{bool#1}{bib:lstlocations}%
67   \addbibresource{archaeologie-lstlocations.bib}}
68 \DeclareBibliographyOption{lstpublishers}[true]{%
69   \csuse{bool#1}{bib:lstpublishers}%
70   \addbibresource{archaeologie-lstpublishers.bib}}
71 \DeclareBibliographyOption[boolean]{jstor}[true]{%
72   \settoggle{bbx:jstor}{#1}}
73 \DeclareBibliographyOption[boolean]{arachne}[true]{%
74   \settoggle{bbx:arachne}{#1}}
75 \DeclareBibliographyOption[boolean]{zenon}[true]{%
76   \settoggle{bbx:zenon}{#1}}
77 \DeclareBibliographyOption[boolean]{urn}[true]{%
78   \settoggle{bbx:urn}{#1}}
79 \ExecuteBibliographyOptions{%
80   urn,%
81   lstabbrv,%
82   lstlocations,%
83   lstpublishers,%
84 }
85 %-----
86 \DeclareBibliographyOption[string]{biblabel}{%
87   \ifcsundef{archblx@biblabel@#1}
88     {\PackageError{biblatex-archaeologie}

```

```

89     {Unknown value '#1' for option 'biblabel'.}
90     {Unknown value '#1' for option 'biblabel'.\MessageBreak
91     Possible values are 'plain', 'bold', 'brackets', 'parens'.}%
92     \csdef{archblx@biblabel}{\csuse{archblx@biblabel@plain}}
93     {\csdef{archblx@biblabel}{\csuse{archblx@biblabel@#1}}}}
94 \let\archblx@biblabel@plain\@firstofone
95 \def\archblx@biblabel@bold{\mkbibbold}
96 \def\archblx@biblabel@brackets{\mkbibbrackets}
97 \def\archblx@biblabel@parens{\mkbibparens}
98
99 \DeclareBibliographyOption{edby}[true]{\csuse{bool#1}{bbx:edby}}
100 \DeclareBibliographyOption{initials}[false]{\PackageWarningNoLine{biblatex-
    archaeologie}{%
101     The option 'initials' has been deleted in version 2.3.7,\MessageBreak
102     due to incompatibility reasons with 'biber'.}}
103 \DeclareBibliographyOption{width}[][%
104     \csuse{booltrue}{bbx:width}%
105     \setlength{\labwidthsameline}{#1}%
106     \def\labwidthsamelineVALUE{#1}}
107 \DeclareBibliographyOption{yearseries}[true]{\csuse{bool#1}{bbx:yearseries}}
108 \DeclareBibliographyOption{counter}[true]{\csuse{bool#1}{bbx:counter}}
109 \DeclareBibliographyOption{bibfullname}[true]{\csuse{bool#1}{bbx:bibfullname}}
110 \DeclareNameAlias{author}{given-family}
111 \DeclareBibliographyOption{inreferences}[true]{%
112     \PackageWarningNoLine{biblatex-archaeologie}{%
113     The option 'inreferences' for is deprecated,\MessageBreak
114     use 'inreferencesasfullcite' instead.}%
115     \booltrue{bbx:inreferencesasfullcite}}
116 \DeclareBibliographyOption{inreferencesasfullcite}[true]{\csuse{bool#1}{bbx:inreferencesasfullcite}}
117 \ExecuteBibliographyOptions[inreference]{skipbib=true}%
118 \ExecuteBibliographyOptions[inreference]{skiplab=true}}
119 \DeclareBibliographyOption{eventdatelanguage}[true]{\csuse{bool#1}{bbx:eventdatelanguage}}
120 \DeclareBibliographyOption{noabbrv}[true]{\csuse{bool#1}{bbx:noabbrv}}
121 \DeclareBibliographyOption{translation}[true]{\csuse{bool#1}{bbx:translation}}
122 \DeclareBibliographyOption{publisher}[true]{\csuse{bool#1}{bbx:publisher}}
123 \ExecuteBibliographyOptions{maxitems=2}}
124 \DeclareBibliographyOption{scshape}[true]{%
125     \ifstrequal{#1}{true}%
126     {\AtEveryCite{\renewcommand*{\mkbibnamefamily}[1]{\textsc{##1}}}}%
127     {}}
128 %-----
129 \ExecuteBibliographyOptions{%
130     autolang=hyphen,%
131 }
132 %-----
133 \DeclareEntryOption{ancient}[true]{\csuse{bool#1}{cbx:ancient}}
134 \DeclareEntryOption{frgancient}[true]{%
135     \ifstrequal{#1}{true}%
136     {\togglefalse{blx@useauthor}}%
137     {}}%
138     \csuse{bool#1}{cbx:frgancient}}
139 \DeclareEntryOption{corpus}[true]{\csuse{bool#1}{cbx:corpus}}
140 %-----
141 \newcommand{\archaeologieoptions}[1][]{%

```

```

142 \ifstrempy{#1}{%
143   \iflanguage{ngerman}%
144     {Zusätzlich geladene oder \xout{deaktivierte} Optionen
145     von \textsc{bib}\LaTeX-\textsf{archaeologie} (Version \archaeologieversion~| \archaeologievers
146     {Additional options of \textsc{bib}\LaTeX-\textsf{archaeologie} (version \archaeologievers
147   {\ifthenelse{\equal{#1}{plain}}
148     {}
149     {\PackageError{biblatex-archaeologie}%
150       {command 'archaeologieoptions[#{1}]' invalid.\MessageBreak%
151       Use 'archaeologieoptions[plain]'
152       or omit the brackets.}{}}
153   }%%
154 \def\separator{\space\space}%
155 \ifbool{bib:bibancient}{bibancient\separator}{}%
156 \ifbool{bib:bibcorpora}{bibcorpora\separator}{}%
157 \ifbool{bib:lstabrv}{\xout{lstabrv}\separator}{}%
158 \ifbool{bib:lstlocations}{\xout{lstlocations}\separator}{}%
159 \ifbool{bib:lstpublishers}{\xout{lstpublishers}\separator}{}%
160 \ifbool{bbx:bibfullname}{bibfullname\separator}{}%
161 \ifdefstring\citeauthorformatVALUE{initials}%
162   {}
163   {\citeauthorformat\,=\mbox{\citeauthorformatVALUE\separator}}%
164 \ifbool{bbx:counter}{counter\separator}{}%
165 \ifbool{bbx:edby}{edby\separator}{}%
166 \ifbool{bbx:inreferencesasfullcite}{inreferencesasfullcite\separator}{}%
167 \ifbool{bbx:noabrv}{noabrv\separator}{}%
168 \ifbool{bbx:publisher}{publisher\separator}{}%
169 \ifbool{cbx:seenote}{seenote\separator}{}%
170 \ifbool{bbx:translation}{translation\separator}{}%
171 \ifbool{bbx:width}%
172   {width\,=\,\labwidthsamelineVALUE\separator}{}%
173 \ifbool{cbx:yearinparensoption}
174   {yearinparens\separator}{}%
175 \ifbool{bbx:yearseries}{yearseries\separator}{}%
176 \iftoggle{bbx:zenon}{zenon\separator}{}%
177 \iftoggle{bbx:arachne}{arachne\separator}{}%
178 \iftoggle{bbx:jstor}{jstor\separator}{}%
179 \iftoggle{bbx:urn}{\xout{urn}\separator}%
180 \iftoggle{bbx:doi}{\xout{doi}\separator}%
181 \iflanguage{ngerman}%
182   {Weitere Informationen unter \url{http://biblatex-archaeologie.de}}
183   {For further information see \url{http://biblatex-archaeologie.de}}
184 }
185 %-----
186 \DeclareFieldFormat*{title}{#1\isdot}
187 \DeclareFieldFormat{subtitle}{#1}
188 \DeclareFieldFormat{booktitle}{#1}
189 \DeclareFieldFormat{editortype}{\mkbibparens{#1}}
190 \DeclareFieldFormat{booksubtitle}{#1}
191 \DeclareFieldFormat{titlecase}{#1}
192 \DeclareFieldFormat*{maintitle}{#1}
193 \DeclareFieldFormat{journaltitle}{#1}
194 \DeclareFieldFormat{seriestitle}{#1}
195 \DeclareFieldFormat{pages}{#1}

```

```

196 \DeclareFieldFormat{edition}{#1}
197 \DeclareFieldFormat{volumes}{#1}
198 \DeclareFieldFormat{volume}{#1}
199 \DeclareFieldFormat[%
200   book,%
201   collection,%
202   proceedings,%
203   inproceedings,%
204   inbook,%
205   incollection]
206   {volume}
207   {\ifinteger{#1}{\RN{#1}}{#1}}
208 \DeclareFieldFormat{part}{#1}
209 \DeclareFieldFormat{article}{date}{\iffieldundef{number}{#1}{\iffieldundef{volume}{#1}{yearnumber}{#1}}{#1}}
210 \DeclareFieldFormat[inreference]{number}{\mkbibbrackets{#1}}
211 \DeclareFieldFormat{parens}{\mkbibparens{#1}}
212 \DeclareFieldFormat{brackets}{\mkbibbrackets{#1}}
213 \DeclareFieldFormat{quotes}{\mkbibquote{#1}}
214 \DeclareFieldFormat{emph}{\mkbibemph{#1}}
215 \DeclareFieldFormat{url}{\textless url{#1}\textgreater}
216 \DeclareFieldFormat{urldate}{\mkbibparens{#1}}
217 \DeclareFieldFormat{note}{\mkbibparens{#1}\nopunct}
218 \DeclareFieldFormat{shorthandwidth}{#1}
219 \DeclareFieldFormat{origtitle}{#1}
220 \DeclareFieldFormat{bibcitelabel}{\csuse{archblx@biblabel}{#1}}
221 \DeclareFieldFormat{eprint:urn}{%
222   \textsc{urn}%
223   \addcolon\space%
224   \ifhyperref%
225     {\href{http://www.nbn-resolving.org/#1}{\nolinkurl{#1}}}%
226     {\nolinkurl{#1}}}
227 \DeclareFieldFormat{eprint:zenon}{%
228   \textsc{zenon (opac)}%
229   \addcolon\space%
230   \ifhyperref%
231     {\href{http://zenon.dainst.org/Record/#1}{\nolinkurl{#1}}}%
232     {\nolinkurl{#1}}}
233 \DeclareFieldFormat{eprint:jstor}{%
234   \textsc{jstor}%
235   \addcolon\space%
236   \ifhyperref%
237     {\href{http://www.jstor.org/stable/#1}{\nolinkurl{#1}}}%
238     {\nolinkurl{#1}}}
239 \DeclareFieldFormat{eprint:arachne}{%
240   \textsc{iDAI.objects/arachne}%
241   \addcolon\space%
242   \ifhyperref%
243     {\href{https://arachne.dainst.org/entity/#1}{\nolinkurl{#1}}}%
244     {\nolinkurl{#1}}}
245 %-----
246 \DeclareFieldAlias{zenon}{eprint:zenon}
247 \DeclareFieldAlias{jstor}{eprint:jstor}
248 \DeclareFieldAlias{urn}{eprint:urn}
249 \DeclareFieldAlias{arachne}{eprint:arachne}

```

```

250 %-----
251 \DeclareRedundantLanguages{german}{german,ngerman,austrian,naustrian}
252 \DeclareRedundantLanguages{english,american}{english,american,british,%
253 canadian,australian,newzealand,USenglish,UKenglish}
254 \DeclareLanguageMapping{german}{german-archaeologie}
255 \DeclareLanguageMapping{english}{english-archaeologie}
256 \DeclareLanguageMapping{french}{french-archaeologie}
257 \DeclareLanguageMapping{italian}{italian-archaeologie}
258 \DeclareLanguageMapping{spanish}{spanish-archaeologie}
259 %\DeclareLanguageMappingSuffix{-archaeologie}
260 %-----
261 \NewBibliographyString{origtitle}
262 \NewBibliographyString{firstprint}
263 \NewBibliographyString{reviewof}
264 \NewBibliographyString{reference}
265 \NewBibliographyString{translationof}
266 \NewBibliographyString{talk}
267 \NewBibliographyString{inpreparation}
268 \NewBibliographyString{submitted}
269 \NewBibliographyString{forthcoming}
270 \NewBibliographyString{inpress}
271 \NewBibliographyString{prepublished}
272 \NewBibliographyString{seenote}
273 \NewBibliographyString{loccit}
274 \NewBibliographyString{subvoce}
275 \NewBibliographyString{owntranslation}
276 \NewBibliographyString{magthesis}
277 %-----
278 \renewcommand*{\sqspace}{\adnbthinspace}
279 \renewcommand*{\subtitlepunct}{\addperiod\addspace}
280 \renewcommand*{\intitlepunct}{\addcolon\addspace}
281 \renewcommand*{\newunitpunct}{\addcomma\addspace}
282 \renewcommand*{\maintitlepunct}{\addperiod\addspace}
283 \renewcommand*{\locationdelim}{\adnbospace\textendash\addspace}
284 \renewcommand*{\multinamedelim}{\adnbospace\textendash\addspace}
285 \renewcommand*{\finalnamedelim}{\multinamedelim}
286 \renewcommand*{\relateddelim}{\adnbospace\textendash\addspace}%
287 \newcommand*{\relateddelimmultivolume}{\addcomma\par\nobreak}
288 \newcommand*{\volnumdelim}{\addcomma\space}
289 \newcommand*{\yearnumdelim}{\addslash}
290 \newcommand*{\jourvoldelim}{\adnbospace}
291 \renewcommand{\finentrypunct}{\%http://tex.stackexchange.com/a/14159/98739}
292 \ifbool{bbx:counter}%
293   {\addspace$\vert$ \addspace\scshape%
294   \iflanguage{ngerman}%
295     {wurde \ifnumequal{\value{citecounter}}%
296       {0}%
297       {\color{red}{keinmal}}}%
298     {\arabic{citecounter}-mal}
299     {zitiert.}
300     {cited \ifnumequal{\value{citecounter}}%
301       {0}%
302       {\color{red}{not once}}}%
303     {\arabic{citecounter}~time\ifnumequal{\value{citecounter}}{1}}

```

```

304      {}
305      {s}}.%
306    } }%
307    {}
308
309 \newrobustcmd*{\bibdatesubseqesep}{\slash}
310 \newrobustcmd*{\bibdaterangesepx}[1]{%
311   \ifboolexpr{test {\iffieldint{#1year}} and test {\iffieldint{#1endyear}}}
312     {\ifnumequal{\thefield{#1endyear}-\thefield{#1year}}{1}
313       {\bibdatesubseqesep}
314       {\bibdaterangesep}}
315     {\bibdaterangesep}}
316
317 \renewrobustcmd*{\mkdaterangefull}[2]{%
318   \begingroup
319     \blx@metadateinfo{#2}%
320     \iffieldundef{#2year}
321     {}
322     {\datecircaprint
323       \printtext[#2date]{%
324         % Such a season component can only come from an ISO8601 season which replaces
325         % a normal month so if it exists, we know that a normal date print is ruled out
326         \iffieldundef{#2season}
327         {\csuse{mkbibdate#1}{#2year}{#2month}{#2day}%
328           % Optionally print the time after the date
329           \blx@printtime{#2}{}}
330         {\csuse{mkbibseasondate#1}{#2year}{#2season}}}%
331       \dateuncertainprint
332       \dateeraprint{#2year}%
333       \iffieldundef{#2endyear}
334       {}
335       {\iffieldequalstr{#2endyear}{}}
336       {\mbox{\bibdaterangesep}}
337       {\bibdaterangesepx{#2}%
338         \enddatecircaprint
339         \iffieldundef{#2season}
340         {\csuse{mkbibdate#1}{#2endyear}{#2endmonth}{#2endday}%
341           % Optionally print the time after the date
342           \blx@printtime{#2}{end}}
343         {\csuse{mkbibseasondate#1}{#2endyear}{#2endseason}}}%
344       \enddateuncertainprint
345       \dateeraprint{#2endyear}}}}}%
346   \endgroup}
347
348 \renewrobustcmd*{\mkdaterangetrunc}[2]{%
349   \begingroup
350     \blx@metadateinfo{#2}%
351     \iffieldundef{#2year}
352     {}
353     {\datecircaprint
354       \printtext[#2date]{%
355         % Such a season component can only come from an ISO8601 season which replaces
356         % a normal month so if it exists, we know that a normal date print is ruled out
357         \iffieldundef{#2season}

```



```

358         {\iffieldsequal{#2year}{#2endyear}
359         {\iffieldsequal{#2month}{#2endmonth}
360         {\csuse{mkbibdate#1}{}}{#2day}}
361         {\csuse{mkbibdate#1}{}}{#2month}{#2day}}}}
362         {\csuse{mkbibdate#1}{#2year}{#2month}{#2day}%
363         \iffieldsequal{#2dateera}{#2enddateera}}{}}
364         {\dateeraprint{#2year}}}}
365         {\iffieldsequal{#2year}{#2endyear}
366         {\csuse{mkbibseasondate#1}{}}{#2season}}
367         {\csuse{mkbibseasondate#1}{#2year}{#2season}%
368         \iffieldsequal{#2dateera}{#2enddateera}}{}}
369         {\dateeraprint{#2year}}}}}%
370 \dateuncertainprint
371 \iffieldundef{#2endyear}
372 {}
373 {\iffieldequalstr{#2endyear}}{}}
374 {\mbox{\bibdaterangesep}}
375 {\bibdaterangesepx{#2}%
376 \enddatecircaprint
377 \iffieldundef{#2season}
378 {\csuse{mkbibdate#1}{#2endyear}{#2endmonth}{#2endday}}
379 {\csuse{mkbibseasondate#1}{#2endyear}{#2endseason}}}%
380 \enddateuncertainprint
381 \dateeraprint{#2endyear}}}}}%
382 \endgroup}
383
384 \renewrobustcmd*{\mkdaterangefullextra}[2]{%
385 \begingroup
386 \blx@metadateinfo{#2}%
387 \iffieldundef{#2year}
388 {}
389 {\datecircaprint
390 \printtext[#2date]}{%
391 \printtext{%
392 % Such a season component can only come from an ISO8601 season which replaces
393 % a normal month so if it exists, we know that a normal date print is ruled out
394 \iffieldundef{#2season}
395 {\csuse{mkbibdate#1}{#2year}{#2month}{#2day}%
396 % Optionally print the time after the date
397 \blx@printtime{#2}{}}
398 {\csuse{mkbibseasondate#1}{#2year}{#2season}}}%
399 \dateuncertainprint
400 \dateeraprint{#2year}%
401 \iffieldundef{#2endyear}
402 {\printfield{extradate}}
403 {\iffieldequalstr{#2endyear}}{}}
404 {\printfield{extradate}%
405 \printtext{\mbox{\bibdaterangesep}}}
406 {\printtext{%
407 \bibdaterangesepx{#2}%
408 \enddatecircaprint
409 \iffieldundef{#2season}
410 {\csuse{mkbibdate#1}{#2endyear}{#2endmonth}{#2endday}%
411 % Optionally print the time after the date

```

```

412         \blx@printtime{#2}{end}}
413         {\csuse{mkbibseasondate#1}{#2endyear}{#2endseason}}}%
414         \printfield{extradate}%
415         \enddateuncertainprint
416         \dateeraprint{#2endyear}}}}}%
417     \endgroup}
418
419 \renewrobustcmd*{\mkdaterangetruncextra}[2]{%
420     \begingroup
421     \blx@metadateinfo{#2}%
422     \iffieldundef{#2year}
423     {}
424     {\datecircaprint
425     \printtext[#2date]{%
426     \printtext{%
427     % Such a season component can only come from an ISO8601 season which replaces
428     % a normal month so if it exists, we know that a normal date print is ruled out
429     \iffieldundef{#2season}
430     {\iffieldsequal{#2year}{#2endyear}
431     {\iffieldsequal{#2month}{#2endmonth}
432     {\csuse{mkbibdate#1}}{#2day}}
433     {\csuse{mkbibdate#1}}{#2month}{#2day}}}
434     {\csuse{mkbibdate#1}{#2year}{#2month}{#2day}%
435     \iffieldsequal{#2dateera}{#2enddateera}{%
436     {\dateeraprint{#2year}}}}
437     {\iffieldsequal{#2year}{#2endyear}
438     {\csuse{mkbibseasondate#1}}{#2season}}
439     {\csuse{mkbibseasondate#1}{#2year}{#2season}%
440     \iffieldsequal{#2dateera}{#2enddateera}{%
441     {\dateeraprint{#2year}}}}}%
442     \dateuncertainprint
443     \iffieldundef{#2endyear}
444     {\printfield{extradate}}
445     {\iffieldequalstr{#2endyear}{%
446     {\printfield{extradate}%
447     \printtext{\mbox{\bibdaterangesep}}}
448     {\printtext{%
449     \bibdaterangesepx{#2}%
450     \enddatecircaprint
451     \iffieldundef{#2season}
452     {\csuse{mkbibdate#1}{#2endyear}{#2endmonth}{#2endday}}
453     {\csuse{mkbibseasondate#1}{#2endyear}{#2endseason}}}%
454     \printfield{extradate}%
455     \enddateuncertainprint
456     \dateeraprint{#2endyear}}}}}}}%
457     \endgroup}
458
459 \renewrobustcmd*{\mkdaterangeymd}[1]{%
460     \begingroup
461     \blx@metadateinfo{#1}%
462     \iffieldundef{#1year}
463     {}
464     {\datecircaprint
465     \printtext[#1date]{%

```

```

466      % Such a season component can only come from an ISO8601 season which replaces
467      % a normal month so if it exists, we know that a normal date print is ruled out
468      \iffieldundef{#1season}
469      {\blx@ymddate{#1}}}%
470      % Optionally print the time after the date
471      \blx@printtime{#1}{}
472      {\csuse{mkbibseasondateshort}{#1year}{#1season}}%
473      \dateuncertainprint
474      \dateeraprint{#1year}%
475      \iffieldundef{#1endyear}
476      {}
477      {\iffieldequalstr{#1endyear}{}}
478      {\mbox{\bibdaterangesep}}
479      {\bibdaterangesepx{#1}}%
480      \enddatecircaprint
481      \iffieldundef{#1season}
482      {\blx@ymddate{#1}{end}}%
483      % Optionally print the time after the date
484      \blx@printtime{#1}{end}}
485      {\csuse{mkbibseasondateshort}{#1endyear}{#1endseason}}%
486      \enddateuncertainprint
487      \dateeraprint{#1endyear}}}}}%
488  \endgroup}
489
490  \renewrobustcmd*{\mkdaterangeymdextra}[1]{%
491    \begingroup
492      \blx@metadateinfo{#1}%
493      \iffieldundef{#1year}
494      {}
495      {\datecircaprint
496        \printtext[#1date]{%
497          % Such a season component can only come from an ISO8601 season which replaces
498          % a normal month so if it exists, we know that a normal date print is ruled out
499          \iffieldundef{#1season}
500          {\blx@ymddate[extradate]{#1}}}%
501          % Optionally print the time after the date
502          \blx@printtime{#1}{}
503          {\csuse{mkbibseasondateshort}{#1year}{#1season}}%
504          \dateuncertainprint
505          \dateeraprint{#1year}%
506          \iffieldundef{#1endyear}
507          {}
508          {\iffieldequalstr{#1endyear}{}}
509          {\mbox{\bibdaterangesep}}
510          {\printtext{%
511            \bibdaterangesepx{#1}%
512            \enddatecircaprint
513            \iffieldundef{#1season}
514            {\blx@ymddate{#1}{end}}%
515            % Optionally print the time after the date
516            \blx@printtime{#1}{end}}
517            {\csuse{mkbibseasondateshort}{#1endyear}{#1endseason}}}%
518            \enddateuncertainprint
519            \dateeraprint{#1endyear}}}}}}}%

```

```

520 \endgroup}
521 %-----
522 \DeclareBibliographyAlias{collection}{book}
523 \DeclareBibliographyAlias{reference}{book}
524 \DeclareBibliographyAlias{institution}{school}
525 \DeclareBibliographyAlias{maintitle}{booktitle}
526 \DeclareBibliographyAlias{incollection}{inbook}
527 \DeclareBibliographyAlias{manual}{book}
528 \DeclareBibliographyAlias{mathesis}{thesis}
529 %-----
530
531 \DeclareSortingTemplate{nyt}{
532   \sort{
533     \field{presort}
534   }
535   \sort[final]{
536     \field{sortkey}
537   }
538   \sort{
539     \field{sortshorthand}
540     \field{shorthand}
541     \field{sortname}
542     \field{author}
543     \field{editor}
544     \field{translator}
545     \field{sorttitle}
546     \field{title}
547   }
548   \sort{
549     \field{sortyear}
550     \field{year}
551   }
552   \sort{
553     \field{sorttitle}
554     \field{title}
555   }
556   \sort{
557     \field{volume}
558     \literal{0}
559   }
560 }
561 %-----
562 \DeclareSortingTemplate{shortseries}{\sort{\field{shortseries}}}
563 \DeclareSortingTemplate{shortjournal}{\sort{\field{shortjournal}}}
564 %-----
565 \defbibcheck{shortseries}{%
566   \iffieldundef{shortseries}%
567   {\skipentry}%
568   {}%
569   \iffieldundef{series}%
570   {\skipentry}%
571   {\ifcsdef{\strfield{series}}%
572     {\skipentry}%
573     {\savefieldcs{series}{\strfield{series}}}}%

```

```

574 }
575 \defbibcheck{shortjournal}{%
576   \iffieldundef{shortjournal}%
577     {\skipentry}%
578     {}%
579   \iffieldundef{journaltitle}%
580     {\skipentry}%
581     {\ifcsdef{\strfield{journaltitle}}%
582       {\skipentry}%
583       {\savefieldcs{journaltitle}{\strfield{journaltitle}}}%
584 }
585 %-----
586 \DeclareNameAlias{name:initials}{default}
587 \DeclareNameAlias{author}{name:initials}
588 \DeclareNameAlias{editor}{author}
589 \DeclareNameAlias{byeditor}{author}
590 \DeclareNameAlias{translator}{author}
591 \DeclareNameAlias{bytranslator}{default}
592 \DeclareNameAlias{bycommentator}{author}
593 \DeclareNameAlias{bookauthor}{author}
594
595 %-----
596 \DeclareListFormat{location}{%
597   #1\ifthenelse{\value{listcount}<\value{liststop}}%
598     {\locationdelim}%
599     {}%
600 }
601 %-----
602 \AtEveryBibitem{%
603   \iffieldequalstr{relatedtype}{translationof}%
604     {\savename{translator}{\savedrelatedtranslator}%
605       \clearname{translator}}%
606     {}%
607   \ifboolexpr{bool {bbx:translation}%
608     or bool {cbx:ancient}%
609     or bool {cbx:frgancient}}%
610     {}%
611     {\clearname{translator}%
612       \clearfield{origtitle}}
613 %-----
614 %% provide macros to deal with intranslator, withincommentator, withinannotator, withinintroduc
615 %% that is fields referring to the title work and not the booktitle work in inbook etc. works
616 %% these macros are essentially the same as the standard macros without the "in"
617 \newbibmacro*{byineditor+others}{%
618   \ifnameundef{ineditor}
619     {}
620     {\usebibmacro{byeditor+othersstrg}%
621       \setunit{\addspace}%
622       \printnames[author]{ineditor}%
623       \clearname{ineditor}%
624       \newunit}%
625   \usebibmacro{byintranslator+others}}
626 %-----
627 \newbibmacro*{byintranslator+others}{%

```

```

628 \ifnameundef{intranslator}
629 {}
630 {\usebibmacro{bytranslator+othersstrg}%
631 \setunit{\addspace}%
632 \printnames[author]{intranslator}%
633 \clearname{intranslator}%
634 \newunit}%
635 \usebibmacro{withinothers}}
636%-----
637 \newbibmacro*{withincommentator}{%
638 \ifnameundef{incommentator}
639 {}
640 {\bibstring{withcommentator}%
641 \setunit{\addspace}%
642 \printnames[author]{incommentator}}}
643%-----
644 \newbibmacro*{withinannotator}{%
645 \ifnameundef{inannotator}
646 {}
647 {\bibstring{withannotator}%
648 \setunit{\addspace}%
649 \printnames[author]{inannotator}}}
650%-----
651 \newbibmacro*{withinintroduction}{%
652 \ifnameundef{inintroduction}
653 {}
654 {\bibstring{withinintroduction}%
655 \setunit{\addspace}%
656 \printnames[author]{inintroduction}}}
657%-----
658 \newbibmacro*{withinfoforeword}{%
659 \ifnameundef{infoforeword}
660 {}
661 {\bibstring{withforeword}%
662 \setunit{\addspace}%
663 \printnames[author]{infoforeword}}}
664%-----
665 \newbibmacro*{withinafterword}{%
666 \ifnameundef{inafterword}
667 {}
668 {\bibstring{withafterword}%
669 \setunit{\addspace}%
670 \printnames[author]{inafterword}}}
671%-----
672 \newbibmacro*{withinothers}{%
673 \usebibmacro{withincommentator}%
674 \clearname{incommentator}%
675 \newunit
676 \usebibmacro{withinannotator}%
677 \clearname{inannotator}%
678 \newunit
679 \usebibmacro{withinintroduction}%
680 \clearname{inintroduction}%
681 \newunit

```

```

682 \usebibmacro{withinfoforeword}%
683 \clearname{infoforeword}%
684 \newunit
685 \usebibmacro{withinafterword}%
686 \clearname{inafterword}}
687 %-----
688 \newbibmacro{labelwidthbib}{%
689 \begingroup
690 \DeclareFieldFormat{bibhyperref}{##1}%
691 \csuse{blx@hook@cite}%
692 \csuse{blx@hook@citekey}%
693 \defcounter{maxnames}{\blx@maxcitenames}%
694 \printtext[bibcitelabel]{\usebibmacro{cite}}%
695 \endgroup
696 }
697 %-----
698 \newbibmacro{kicklabel}{%
699 \sbox\arch@labelbox{\usebibmacro{labelwidthbib}}%
700 \global\togglefalse{blx@insert}%
701 \ifdim1.1\wd\arch@labelbox>%
702 \labwidthsameline\leavevmode\newline
703 \fi}
704 %-----
705 \newbibmacro{labelwidthfield}[1]{%
706 \begingroup
707 \DeclareFieldFormat{bibhyperref}{##1}%
708 \csuse{blx@hook@cite}%
709 \csuse{blx@hook@citekey}%
710 \defcounter{maxnames}{\blx@maxcitenames}%
711 \printfield{#1}%
712 \endgroup}
713 %-----
714 \newbibmacro{kicklabelfield}[1]{%
715 \sbox\arch@labelbox{\usebibmacro{labelwidthfield}{#1}}%
716 \global\togglefalse{blx@insert}%
717 \ifdim.9\wd\arch@labelbox>%
718 \labwidthsameline\leavevmode\newline
719 \fi}
720 %-----
721 \renewbibmacro*{pageref}{%
722 \iflistundef{pageref}
723 {}
724 {\setunit{\addcomma\newline\nobreak}%
725 \printtext{%
726 \ifnumgreater{\value{pageref}}{1}
727 {\bibstring{backrefpages}\ppspace}
728 {\bibstring{backrefpage}\ppspace}%
729 \printlist[pageref][- \value{listtotal}]{pageref}}}%
730 %-----
731 \newbibmacro*{bbx:parunit}{%
732 \ifbibliography{%
733 \setunit{\bibpagerefpunct}\newblock
734 \usebibmacro{pageref}%
735 \clearlist{pageref}%

```

```

736     \setunit{\addcomma\newline\nobreak}}}%
737   {\newunit}%
738 }
739 %-----
740 \renewbibmacro*{eprint}{%
741   \usebibmacro{bbx:parunit}%
742   \iffieldundef{eprinttype}%
743   {\printfield{eprint}}%
744   {\printfield[eprint:\strfield{eprinttype}]{eprint}}%
745 }
746 %-----
747 \newbibmacro*{zenon}{%
748   \iffieldundef{zenon}
749   {}%
750   {\usebibmacro{bbx:parunit}%
751     \printfield{zenon}}}
752 %-----
753 \newbibmacro*{jstor}{%
754   \iffieldundef{jstor}
755   {}
756   {\usebibmacro{bbx:parunit}%
757     \printfield{jstor}}}
758 %-----
759 \newbibmacro*{arachne}{%
760   \iffieldundef{arachne}
761   {}
762   {\usebibmacro{bbx:parunit}%
763     \printfield{arachne}}}
764 %-----
765 \newbibmacro*{urn}{%
766   \iffieldundef{urn}
767   {}
768   {\usebibmacro{bbx:parunit}%
769     \printfield{urn}}}
770 %-----
771 \renewbibmacro*{url+urldate}{%
772   \usebibmacro{bbx:parunit}%
773   \iffieldundef{url}
774   {}
775   {\printfield{url}%
776     \setunit*{\addspace}%
777     \printtext{\printurldate}}}
778 %-----
779 \renewbibmacro*{doi+eprint+url}{%
780   \usebibmacro{bbx:parunit}%
781   \iftoggle{bbx:doi}{\printfield{doi}}{}%
782   \iftoggle{bbx:eprint}{\usebibmacro{eprint}}{}%
783   \iftoggle{bbx:jstor}{\usebibmacro{jstor}}{}%
784   \iftoggle{bbx:arachne}{\usebibmacro{arachne}}{}%
785   \iftoggle{bbx:urn}{\usebibmacro{urn}}{}%
786   \iftoggle{bbx:zenon}{\usebibmacro{zenon}}{}%
787   \iftoggle{bbx:url}{\usebibmacro{url+urldate}}{}%
788 }
789 %-----

```



```

790 \renewbibmacro*{editor}{%
791   \ifboolexpr{%
792     test \ifuseeditor %
793     and %
794     not test {\ifnameundef{editor}}}%
795   {\printnames{editor}%
796     \setunit{\addspace}%
797     \printtext[editortype]{\bibstring{editor}}%
798     \clearname{editor}}%
799   {}}
800 %-----
801 \newbibmacro*{bookauthor}{%
802   \printnames{bookauthor}%
803   \newunit}
804 %-----
805 \DeclareLabeldate{%
806   \field{date}
807   \field{year}
808   \field{origdate}
809   \field{urldate}
810   \field{pubstate}
811   \field{eventdate}
812   \literal{nodate}
813 }
814 %-----
815 \newbibmacro*{series}{%
816   \ifboolexpr{test {\iffieldundef{shortseries}} %
817     or bool {bbx:noabbrv}}%
818   {\printtext[seriestitle]{\printfield[titlecase]{series}}}%
819   {\printfield{shortseries}}%
820 }
821 %-----
822 \renewbibmacro*{series+number}{%
823   \iffieldundef{series}%
824   {}%
825   {\usebibmacro{series}%
826     \setunit*{\addspace}%
827     \printfield{number}%
828     \ifbool{bbx:yearseries}%
829     {\newunit}%
830     {\setunit{\addspace}}}%
831 %-----
832 \renewbibmacro*{journal}{%
833   \ifboolexpr{test {\iffieldundef{shortjournal}}%
834     or bool {bbx:noabbrv}}%
835   {\printtext[journaltitle]{%
836     \printfield[titlecase]{journaltitle}%
837     \setunit{\subtitlepunct}%
838     \printfield[titlecase]{journalsubtitle}}}%
839   {\printfield{shortjournal}}}
840 %-----
841 \newbibmacro{journal+number+year}{%
842   \usebibmacro{journal}%
843   \setunit{\jourvoldelim}%

```

```

844 \iffieldundef{volume}%
845 {}
846 {\printfield{volume}%
847 \iffieldundef{number}%
848 {}%
849 {\setunit{\volnumdelim}%
850 \printfield{number}}%
851 \newunit}%
852 \usebibmacro{pubstate+year}}
853 %-----
854 \newbibmacro{pubstate+year}{%
855 \iffieldundef{pubstate}%
856 {\usebibmacro{date}}%
857 {\printfield{pubstate}}}
858 %-----
859 \newbibmacro*{pages}{%
860 \printfield{pages}%
861 \isdot}
862 %-----
863 \newbibmacro{translation}{%
864 \printfield{origtitle}%
865 \setunit{\addcomma\space}%
866 \usebibmacro{byeditor+others}}
867 %-----
868 \newbibmacro{intranslation}{%
869 \printfield{origtitle}%
870 \setunit{\addcomma\space}%
871 \usebibmacro{byineditor+others}}
872 %-----
873 \newbibmacro*{related:reviewof}[1]{%
874 \usebibmacro*{related:default}{#1}}
875 %-----
876 \newbibmacro*{related:translationof}[1]{%
877 \entrydata*{#1}{%
878 \restorename{savedtranslator}{\savedrelatedtranslator}%
879 \printtext[emph]{\usebibmacro{title}}%
880 \usebibmacro{location+edition+year}%
881 \ifnameundef{savedtranslator}%
882 {}%
883 {\newunit
884 \bibstring{bytranslator}%keine Sprache ausgegeben?
885 \setunit{\addspace}%
886 \printnames{savedtranslator}}}}
887 %-----
888 \newbibmacro*{inreference:title+author}{%
889 \iffieldundef{title}%
890 {}%
891 {\setunit{\addspace}%
892 \bibstring{subvoce}%
893 \setunit{\addspace}%
894 \printfield{title}%
895 \setunit*{\addspace}%
896 \printfield{number}}%
897 \setunit{\addspace}%

```

```

898 \ifnameundef{author}%
899 {}
900 {\printtext[parens]{\printnames[name:initials]{labelname}}}%
901 %-----
902 \newbibmacro*{maintitle+title+volumes}{%
903   \iffieldsequal{maintitle}{title}%
904     {\clearfield{maintitle}%
905       \clearfield{mainsubtitle}%
906       \clearfield{maintitleaddon}}}%
907   {\iffieldundef{maintitle}%
908     {}%
909     {\usebibmacro{maintitle}%
910       \usebibmacro{volume}%
911       \clearfield{volume}}}%
912   \iffieldundef{title}%
913     {}%
914     {\usebibmacro{title}}}%
915   \ifbool{cbx:ancient}%
916     {\usebibmacro{translation}}}%
917     {\usebibmacro{volume}}}%
918 \newunit}
919 %-----
920 %https://tex.stackexchange.com/a/15014/35864
921 \newenvironment{fullexpotherlanguage}[1]{%
922   \begingroup
923   \edef\temp{\endgroup\noexpand\otherlanguage{#1}}%
924   \temp
925 }{\endotherlanguage}
926 %-----
927 \renewbibmacro{event+venue+date}{%
928   \setunit{\adddot\addspace}%
929   \printfield{eventtitle}%
930   \setunit*{\addspace}%
931   \printfield{venue}%
932   \setunit*{\addspace}%
933   \ifboolexpr{
934     bool{bbx:eventdatelanguage}
935     and
936     not test{\iffieldundef{eventdatelanguage}}
937   }
938   {\begin{fullexpotherlanguage}{\thefield{eventdatelanguage}}%
939     \printeventdate
940   \end{fullexpotherlanguage}}
941   {\printeventdate}
942   \newunit%
943 }
944 %-----
945 \renewbibmacro*{title}{%
946   \ifboolexpr{%
947     test {\iffieldundef{title}}%
948     and%
949     test {\iffieldundef{subtitle}}}%
950   {}%
951   {\printtext[title]{%

```

```

952     \printfield[titlecase]{title}%
953     \setunit{\subtitlepunct}%
954     \printfield[titlecase]{subtitle}}}%
955 \iffieldundef{titleaddon}
956   {\newunit}
957   {\setunit*\subtitlepunct}%
958   \printfield{titleaddon}}%
959 }
960 %-----
961 \renewbibmacro*{booktitle}{%
962   \ifboolexpr{%
963     test {\iffieldundef{booktitle}}%
964     and%
965     test {\iffieldundef{booksubtitle}}}%
966   {%
967     \printtext[booktitle]{%
968       \printfield[titlecase]{booktitle}%
969       \setunit{\subtitlepunct}%
970       \printfield[titlecase]{booksubtitle}}%
971     \setunit{\subtitlepunct}}%
972   \printfield{booktitleaddon}%
973 }
974 %-----
975 \renewbibmacro*{maintitle}{%
976   \ifboolexpr{%
977     test {\iffieldundef{maintitle}}%
978     and%
979     test {\iffieldundef{mainsubtitle}}}%
980   {%
981     \printtext[maintitle]{%
982       \printfield[titlecase]{maintitle}%
983       \setunit{\subtitlepunct}%
984       \printfield[titlecase]{mainsubtitle}}%
985     \setunit{\subtitlepunct}}%
986   \printfield{maintitleaddon}%
987 }
988 %-----
989 \newbibmacro*{edition}{%
990   \iffieldint{edition}%
991   {\setunit*\addspace}%
992   \mkbibsuperscript{\printfield{edition}}\kern -1pt}%
993   {\newunit}
994   \printfield{edition}%
995   \setunit{\addspace}}}%
996 %-----
997 \newbibmacro*{location+edition+year}{%
998   \ifboolexpr{%
999     test {\iflistundef{location}}%
1000     and test {\iflistundef{publisher}}%
1001     and test {\iffieldundef{year}}}%
1002   {%
1003     {\ifbool{bbx:publisher}%
1004       {\printtext[parens]{%
1005         \printlist{location}%

```

```

1006      \setunit*{\addcolon\addspace}%
1007      \printlist{publisher}%
1008      % \iffieldint{edition}%
1009      %   {\setunit{\addspace}}%
1010      %   {\newunit}%
1011      \usebibmacro{edition}%
1012      \usebibmacro{pubstate+year}%
1013      \setunit*{\addspace}%
1014      \ifboolexpr{%
1015          test {\iflistundef{origlocation}}%
1016          and test {\iflistundef{origpublisher}}%
1017          and test {\iffieldundef{origyear}}}%
1018      {%
1019          {\printtext[parens]{%
1020              \printlist{origlocation}%
1021              \iflistundef{origpublisher}%
1022              {%
1023                  {\setunit*{\addcolon\addspace}%
1024                      \printlist{origpublisher}}%
1025                  \setunit{\addspace}%
1026                  \printfield{origyear}}}%
1027          {\usebibmacro{edition}%
1028              \printtext[parens]{%
1029                  \ifboolexpr{%
1030                      test {\iflistundef{origlocation}}%
1031                      and test {\iffieldundef{origyear}}}%
1032                  {%
1033                      {\iflistundef{origlocation}%
1034                          {\printlist{location}}%
1035                          {\printlist{origlocation}}%
1036                      \setunit*{\addspace}%
1037                      \printfield{origyear}%
1038                      \setunit*{\addsemicolon\addspace}%
1039                      \iffieldundef{origyear}%
1040                      {%
1041                          {\bibstring{reprint}%
1042                              \setunit*{\addspace}}}%
1043                      \printlist{location}%
1044                      \setunit*{\addspace}%
1045                      \usebibmacro{pubstate+year}}}%
1046      %-----
1047      \renewbibmacro*{institution+location+date}{%
1048          \printlist{location}%
1049          \setunit*{\addspace}%
1050          \printlist{institution}%
1051          \setunit*{\addspace}%
1052          \usebibmacro{pubstate+year}}
1053      %-----
1054      \newbibmacro{signatur}{%
1055          \printfield{note}}
1056      %-----
1057      \newbibmacro*{volume}{%
1058          \iffieldundef{volume}%
1059          {\iffieldundef{volumes}%

```

```

1060      {}%
1061      {\setunit{\addspace}%
1062       \printfield{volumes}%
1063       \setunit*\addspace}%
1064       \bibstring{volumes}%
1065       \setunit{\addspace}}}%
1066  {\setunit{\addspace}%
1067   \printfield{volume}%
1068   \clearfield{volume}%
1069   \iffieldundef{part}
1070   {}
1071   {\setunit{\addspace}%
1072    \printfield{part}}}%
1073  \newunit}
1074 %-----
1075 \renewbibmacro*{maintitle+booktitle}{%
1076  \iffieldundef{maintitle}%
1077  {}%
1078  {\usebibmacro{maintitle}%
1079   \usebibmacro{volume}%
1080   \setunit{\maintitlepunct}}}%
1081  \usebibmacro{booktitle}%
1082  \usebibmacro{volume}%
1083  \newunit
1084 }
1085 %-----
1086 \newbibmacro*{booktitle+volume+editor}{%
1087  \ifnameundef{editor}%
1088  {\usebibmacro{bookauthor}%
1089   \usebibmacro{maintitle+booktitle}%
1090   \newunit}%
1091  {\ifbool{bbx:edby}%
1092   {\usebibmacro{maintitle+booktitle}%
1093    \newunit
1094    \bibstring{byeditor}%
1095    \setunit{\addspace}%
1096    \printnames{editor}}%
1097   {\usebibmacro{editor}%
1098    \newunit\newblock
1099    \usebibmacro{maintitle+booktitle}%
1100    \newunit}}}%
1101 }
1102 %-----
1103 \newbibmacro*{reftitle}{%
1104  \iffieldundef{title}%
1105  {}%
1106  {\bibstring{reference}%
1107   \setunit{\addspace}%
1108   \printtext[emph]{%
1109    \usebibmacro{title}%
1110    \setunit{\addspace}%
1111    \iffieldundef{number}%
1112    {}%
1113    {\printfield[brackets]{number}}}}}%

```

```

1114 }
1115 %-----
1116 \DeclareBibliographyDriver{shortjournal}{%
1117   \printtext[journaltitle]{%
1118     \printfield[titlecase]{journaltitle}%
1119     \setunit{\subtitlepunct}%
1120     \printfield[titlecase]{journalsubtitle}}%
1121   \blx@initunit}
1122 %-----
1123 \DeclareBibliographyDriver{shortseries}{%
1124   \printtext[seriestitle]{%
1125     \printfield[titlecase]{series}}%
1126   \blx@initunit}
1127 %-----
1128 \DeclareDataInheritance{reference}{inreference}{%
1129   \inherit{shorthand}{booktitle}%
1130   \noinherit{volumes}%
1131 }
1132 %-----
1133 \DeclareBibliographyDriver{shorthand}{%
1134   \iffieldundef{title}%
1135     {\printfield{booktitle}}%
1136     {\printfield{title}}%
1137 }
1138 %-----
1139 \DeclareBibliographyDriver{article}{%
1140   \usebibmacro{bibindex}%
1141   \usebibmacro{begentry}%
1142   \usebibmacro{author}%
1143   \setunit*{\labelnamepunct}\newblock
1144   \usebibmacro{title}%
1145   \newunit\newblock
1146   \usebibmacro{translation}%
1147   \usebibmacro{journal+number+year}%
1148   \newunit\newblock
1149   \usebibmacro{pages}%
1150   \setunit{\addspace}%
1151   \usebibmacro{doi+eprint+url}%
1152   \newblock
1153   \usebibmacro{signatur}%
1154   \newblock
1155   \usebibmacro{pageref}%
1156   \newunit\newblock
1157   \iftoggle{bbx:related}%
1158     {\usebibmacro{related:init}%
1159     \usebibmacro{related}}%
1160     {}%
1161   \usebibmacro{finentry}%
1162 }
1163 %-----
1164 \DeclareBibliographyDriver{book}{%
1165   \usebibmacro{bibindex}%
1166   \usebibmacro{begentry}%
1167   \usebibmacro{author/editor}%

```

```

1168 \setunit*{\labelnamepunct}\newblock
1169 \usebibmacro{maintitle+title+volumes}%
1170 \newunit\newblock
1171 \ifbool{bbx:yearseries}%
1172   {}%
1173   {\newunit\usebibmacro{series+number}}%
1174 \ifbool{cbx:ancient}%
1175   {}%
1176   {\usebibmacro{translation}}%
1177 \setunit{\addspace}\newblock
1178 \usebibmacro{location+edition+year}%
1179 \setunit*{\addspace}\newblock
1180 \ifbool{bbx:yearseries}%
1181   {\usebibmacro{series+number}}%
1182   {}%
1183 \newunit\newblock
1184 \usebibmacro{doi+eprint+url}%
1185 \setunit*{\addperiod\addspace}%
1186 \usebibmacro{signatur}%
1187 \newunit\newblock
1188 \iftoggle{bbx:related}%
1189   {\usebibmacro{related:init}}%
1190   {\usebibmacro{related}}%
1191   {}%
1192 \usebibmacro{finentry}%
1193 }
1194 %-----
1195 \DeclareBibliographyDriver{thesis}{%
1196   \usebibmacro{bibindex}%
1197   \usebibmacro{begentry}%
1198   \usebibmacro{author/editor}%
1199   \setunit*{\labelnamepunct}\newblock
1200   \usebibmacro{title}%
1201   \setunit{\addspace}
1202   \printtext[parens]{\printfield{type}}%
1203   \setunit*{\addspace}%
1204   \usebibmacro{institution+location+date}}%
1205   \newunit\newblock
1206   \usebibmacro{doi+eprint+url}%
1207   \setunit*{\addperiod\addspace}%
1208   \usebibmacro{signatur}%
1209   \newunit\newblock
1210   \iftoggle{bbx:related}%
1211     {\usebibmacro{related:init}}%
1212     {\usebibmacro{related}}%
1213     {}%
1214   \usebibmacro{finentry}%
1215 }
1216 %-----
1217 \DeclareBibliographyDriver{proceedings}{%
1218   \usebibmacro{bibindex}%
1219   \usebibmacro{begentry}%
1220   \usebibmacro{author/editor}%
1221   \setunit*{\labelnamepunct}\newblock

```



```

1222 \usebibmacro{maintitle+title+volumes}%
1223 \usebibmacro{event+venue+date}%
1224 \setunit*{\addspace}%
1225 \ifbool{bbx:yearseries}%
1226   {}%
1227   {\newunit
1228     \usebibmacro{series+number}}}%
1229 \setunit{\addspace}\newblock
1230 \usebibmacro{location+edition+year}%
1231 \setunit*{\addspace}\newblock
1232 \ifbool{bbx:yearseries}%
1233   {\usebibmacro{series+number}}}%
1234   {}%
1235 \newunit\newblock
1236 \usebibmacro{doi+eprint+url}%
1237 \setunit{\addperiod\addspace}%
1238 \usebibmacro{signatur}%
1239 \newunit\newblock
1240 \iftoggle{bbx:related}%
1241   {\usebibmacro{related:init}}%
1242   \usebibmacro{related}}}%
1243   {}%
1244 \usebibmacro{finentry}%
1245 }
1246 %-----
1247 \DeclareBibliographyDriver{inproceedings}{%
1248   \usebibmacro{bibindex}%
1249   \usebibmacro{begentry}%
1250   \usebibmacro{author/editor}%
1251   \setunit*{\labelnamepunct}\newblock
1252   \usebibmacro{title}%
1253   \newunit\newblock
1254   \usebibmacro{intranslation}%
1255   \newunit\newblock
1256   \usebibmacro{in:}%
1257   \usebibmacro{booktitle+volume+editor}%
1258   \usebibmacro{event+venue+date}%
1259   \setunit{\addspace}%
1260   \ifbool{bbx:yearseries}%
1261     {}%
1262     {\newunit
1263       \usebibmacro{series+number}}}%
1264   \setunit{\addspace}\newblock
1265   \usebibmacro{location+edition+year}%
1266   \setunit*{\addspace}\newblock
1267   \ifbool{bbx:yearseries}%
1268     {\usebibmacro{series+number}}}%
1269     {}%
1270   \usebibmacro{pages}%
1271   \newunit\newblock
1272   \usebibmacro{doi+eprint+url}%
1273   \setunit{\addperiod\addspace}%
1274   \usebibmacro{signatur}%
1275   \newunit\newblock

```

```

1276 \iftoggle{bbx:related}%
1277   {\usebibmacro{related:init}%
1278    \usebibmacro{related}}}%
1279   {}%
1280 \usebibmacro{finentry}%
1281 }
1282 %-----
1283 \DeclareBibliographyDriver{talk}{%
1284   \usebibmacro{bibindex}%
1285   \usebibmacro{begentry}%
1286   \usebibmacro{author/editor}%
1287   \setunit*{\labelnamepunct}\newblock
1288   \usebibmacro{title}%
1289   \newunit\newblock
1290   \bibstring{talk}%
1291   \setunit{\addspace}%
1292   \printdate%
1293   \newunit\newblock
1294   \printlist{institution}%
1295   \newunit\newblock
1296   \usebibmacro{event+venue+date}%
1297   \setunit{\addspace}%
1298   \newunit\newblock
1299   \usebibmacro{doi+eprint+url}%
1300   \setunit{\addperiod\addspace}%
1301   \usebibmacro{signatur}%
1302   \newunit\newblock
1303   \iftoggle{bbx:related}%
1304     {\usebibmacro{related:init}%
1305      \usebibmacro{related}}}%
1306     {}%
1307   \usebibmacro{finentry}%
1308 }
1309 %-----
1310 \DeclareBibliographyDriver{inbook}{%
1311   \usebibmacro{bibindex}%
1312   \usebibmacro{begentry}%
1313   \usebibmacro{author/editor}%
1314   \setunit*{\labelnamepunct}\newblock
1315   \usebibmacro{title}%
1316   \newunit\newblock
1317   \usebibmacro{intranslation}%
1318   \iffieldundef{title}%
1319     {\setunit{\addspace}}%
1320     {\newunit\newblock}%
1321   \usebibmacro{in:}%
1322   \usebibmacro{booktitle+volume+editor}%
1323   \setunit{\addspace}%
1324   \ifbool{bbx:yearseries}%
1325     {}%
1326     {\newunit
1327      \usebibmacro{series+number}}}%
1328   \setunit{\addspace}\newblock
1329   \usebibmacro{location+edition+year}%

```

```

1330 \setunit*{\addspace}\newblock
1331 \ifbool{bbx:yearseries}%
1332   {\usebibmacro{series+number}}}%
1333   {}%
1334 \usebibmacro{pages}%
1335 \newunit\newblock
1336 \usebibmacro{doi+eprint+url}%
1337 \setunit{\addperiod\addspace}%
1338 \usebibmacro{signatur}%
1339 \newunit\newblock
1340 \iftoggle{bbx:related}%
1341   {\usebibmacro{related:init}}%
1342   {\usebibmacro{related}}}%
1343   {}%
1344 \usebibmacro{finentry}%
1345 }
1346 %-----
1347 \DeclareBibliographyDriver{inreference}{%
1348   \usebibmacro{bibindex}%
1349   \usebibmacro{begentry}%
1350   \printfield{booktitle}%
1351   \setunit{\addspace}%
1352   \printfield{volume}%
1353   \setunit{\addspace}%
1354   \printfield[parens]{year}%
1355   \setunit{\addspace}%
1356   \usebibmacro{pages}%
1357   \usebibmacro{inreference:title+author}%
1358   \newunit\newblock
1359   \usebibmacro{doi+eprint+url}%
1360   \setunit{\addperiod\addspace}%
1361   \usebibmacro{signatur}%
1362   \newunit\newblock
1363   \usebibmacro{finentry}%
1364 }
1365 %-----
1366 \DeclareBibliographyDriver{review}{%
1367   \usebibmacro{bibindex}%
1368   \usebibmacro{begentry}%
1369   \usebibmacro{author/editor}%
1370   \setunit*{\labelnamepunct}\newblock
1371   \iffieldundef{title}%
1372     {}%
1373     {\usebibmacro{title}}}%
1374   \newunit\newblock
1375   \usebibmacro{related:init}%
1376   \usebibmacro{related}%
1377   \newunit\newblock
1378   \usebibmacro{journal+number+year}%
1379   \newunit\newblock
1380   \usebibmacro{pages}%
1381   \newunit\newblock
1382   \usebibmacro{doi+eprint+url}%
1383   \usebibmacro{signatur}%

```

```

1384 \newunit\newblock
1385 \usebibmacro{finentry}%
1386 }
1387 %-----
1388 \defbibenvironment{bibliography}%
1389 { \list%
1390   { \usebibmacro{labelwidthbib}}%
1391   { \setlength{\labelwidth}{\labwidthsameline}%
1392     \setlength{\leftmargin}{\labelwidth}%
1393     \setlength{\labelsep}{\biblabelsep}%
1394     \addtolength{\leftmargin}{\labelsep}%
1395     \setlength{\itemsep}{\bibitemsep}%
1396     \setlength{\parsep}{\bibparsep}%
1397     \renewcommand*{\makelabel}[1]{##1\hss}}%
1398   { \endlist}%
1399   { \item\usebibmacro{kicklabel}}
1400 %-----
1401 \def\do#1{%
1402   \defbibenvironment{#1}
1403   { \list%
1404     { \printfield{#1}}%
1405     { \setlength{\labelwidth}{\labwidthsameline}%
1406       \setlength{\leftmargin}{\labelwidth}%
1407       \setlength{\labelsep}{\biblabelsep}%
1408       \addtolength{\leftmargin}{\labelsep}%
1409       \setlength{\itemsep}{\bibitemsep}%
1410       \setlength{\parsep}{\bibparsep}%
1411       \renewcommand*{\makelabel}[1]{####1\hss}}
1412     { \endlist}%
1413     { \item\usebibmacro{kicklabelfield}{#1}}%
1414 }
1415 \docsvlist{shortjournal,shortseries}
1416
1417% this will not be needed in future versions of biblatex, see
1418% https://github.com/plk/biblatex/commit/9a1f550222e294af5490488093a5e33e10493c63
1419 \providecommand*{\ifdateyearsequal}[2]{%
1420   \ifboolexpr{ test {\iffieldsequal{#1year}{#2year}}
1421               and test {\iffieldsequal{#1dateera}{#2dateera}} }%
1422
1423
1424 \newbool{cbx:yearinparens}
1425 \newbool{cbx:seenote}
1426 \newbool{cbx:unique}
1427 \newbool{cbx:yearinparensoption}
1428 %-----
1429 \renewcommand*{\multicitedelim}{\addsemicolon\addspace}
1430 \newcommand*{\labelyeardelim}{\addspace}
1431 \renewcommand{\textcitedelim}{\addcomma\space}
1432 \renewcommand*{\iffinalcitedelim}{\iffirstcitekey}
1433 \renewcommand{\postnotedelim}{%
1434   \ifboolexpr{%
1435     bool {cbx:ancient}%
1436     or bool {cbx:frgancient}%

```

```

1437   or bool {cbx:corpus}%
1438 }%
1439   {\addspace}%
1440   {\newunitpunct}}
1441
1442 \newrobustcmd*{\cbx@nametracker@global}[1]{%
1443   \xifinlistcs{#1}{cbx@bseen@names@the\c@refsection}
1444   {}
1445   {\listcsxadd{cbx@bseen@names@the\c@refsection}{#1}}}
1446
1447 \newrobustcmd*{\cbx@nametracker@context}[1]{%
1448   \iftoggle{blx@footnote}
1449     {\xifinlistcs{#1}{cbx@fseen@names@the\c@refsection}
1450     {}
1451     {\listcsxadd{cbx@fseen@names@the\c@refsection}{#1}}}
1452     {\xifinlistcs{#1}{cbx@bseen@names@the\c@refsection}
1453     {}
1454     {\listcsxadd{cbx@bseen@names@the\c@refsection}{#1}}}}
1455
1456 \newrobustcmd*{\cbx@ifnameseen@global}[1]{%
1457   \xifinlistcs{#1}{cbx@bseen@names@the\c@refsection}}
1458
1459 \newrobustcmd*{\cbx@ifnameseen@context}[1]{%
1460   \iftoggle{blx@footnote}%
1461     {\xifinlistcs{#1}{cbx@fseen@names@the\c@refsection}}%
1462     {\xifinlistcs{#1}{cbx@bseen@names@the\c@refsection}}}
1463
1464 \DeclareBibliographyOption[boolean]{nametracker}[true]{%
1465   \ifcsdef{blx@opt@nametracker@#1}
1466     {\csuse{blx@opt@nametracker@#1}}
1467     {\blx@err@invopt{nametracker=#1}{}}}
1468
1469 \def\blx@opt@nametracker@true{%
1470   \let\cbx@ifnameseen\cbx@ifnameseen@global
1471   \let\cbx@nametracker\cbx@nametracker@global}
1472
1473 \def\blx@opt@nametracker@false{%
1474   \protected\long\def\cbx@ifnameseen##1##2##3{##3}%
1475   \let\cbx@nametracker\relax}
1476
1477 \def\blx@opt@nametracker@context{%
1478   \let\cbx@ifnameseen\cbx@ifnameseen@context
1479   \let\cbx@nametracker\cbx@nametracker@context}
1480
1481 \appto\blx@secinit{
1482   \ifcsundef{cbx@bseen@names@the\c@refsection}
1483     {\global\cslet{cbx@bseen@names@the\c@refsection}\@empty}
1484     {}%
1485   \ifcsundef{cbx@fseen@names@the\c@refsection}
1486     {\global\cslet{cbx@fseen@names@the\c@refsection}\@empty}
1487     {}
1488
1489 \InitializeCitationStyle{%
1490   \global\cslet{cbx@bseen@names@the\c@refsection}\@empty

```

```

1491 \global\cslet{cbx@fseen@names@\the\c@refsection}\@empty}
1492
1493 %-----
1494 \DeclareBibliographyOption{yearinparens}[true]{%
1495   \ifstrequal{#1}{true}%
1496     {\DeclareFieldFormat{citeyear}{\mkbibparens{##1}}%
1497     \csuse{bool#1}{cbx:yearinparens}
1498     \booltrue{cbx:yearinparensoption}}%
1499   {\DeclareFieldFormat{citeyear}{##1}}}%
1500 \DeclareBibliographyOption{seenote}[true]{%
1501   \csuse{bool#1}{cbx:seenote}%
1502   \ExecuteBibliographyOptions{maxnames=999}}%
1503 \DeclareBibliographyOption[string]{citeauthorformat}{%
1504   \ifcsdef{cbx@arch@citeauthorformat@#1}%
1505     {\csuse{cbx@arch@citeauthorformat@#1}}%
1506     {\PackageError{biblatex-archaeologie}%
1507       {Option 'citeauthorformat=#1' invalid.\MessageBreak
1508        Use one of the values 'initials', 'full', 'family', 'firstfulltheninitials' or 'firstfull}%
1509   \def\citeauthorformatVALUE{#1}}
1510 \DeclareEntryOption{uniqueme}[true]{\csuse{bool#1}{cbx:uniqueme}}
1511 %-----
1512 \DeclareFieldFormat{citeyear}{#1}
1513 \DeclareFieldFormat{prenote}{#1\isdot}
1514 \DeclareFieldFormat{postnote}{\mknormrange{#1}}
1515 \DeclareFieldFormat{multipostnote}{\mknormrange{#1}}
1516 \DeclareFieldFormat{shorttitle}{#1}
1517 \DeclareFieldFormat{pages}{#1}
1518
1519 \DeclareNameFormat{labelname}{%
1520   \ifcase\value{uniquename}%
1521     \usebibmacro{name:family}
1522     {\namepartfamily}
1523     {\namepartgiven}
1524     {\namepartprefix}
1525     {\namepartsuffix}%
1526   \or
1527     \ifuseprefix
1528       {\usebibmacro{name:family-given}
1529         {\namepartfamily}
1530         {\namepartgiveni}
1531         {\namepartprefix}
1532         {\namepartsuffixi}}
1533       {\usebibmacro{name:family-given}
1534         {\namepartfamily}
1535         {\namepartgiveni}
1536         {\namepartprefixi}
1537         {\namepartsuffixi}}}%
1538   \or
1539     \usebibmacro{name:family-given}
1540     {\namepartfamily}
1541     {\namepartgiven}
1542     {\namepartprefix}
1543     {\namepartsuffix}%
1544   \fi

```

```

1545 \usebibmacro{name:andothers}}
1546
1547 \DeclareNameFormat{name:family}{%
1548 \ifcase\value{uniquename}%
1549 \usebibmacro{name:family}
1550 {\namepartfamily}
1551 {\namepartgiven}
1552 {\namepartprefix}
1553 {\namepartsuffix}%
1554 \or
1555 \ifuseprefix
1556 {\usebibmacro{name:given-family}
1557 {\namepartfamily}
1558 {\namepartgiveni}
1559 {\namepartprefix}
1560 {\namepartsuffixi}}
1561 {\usebibmacro{name:given-family}
1562 {\namepartfamily}
1563 {\namepartgiveni}
1564 {\namepartprefixi}
1565 {\namepartsuffixi}}}%
1566 \or
1567 \usebibmacro{name:given-family}
1568 {\namepartfamily}
1569 {\namepartgiven}
1570 {\namepartprefix}
1571 {\namepartsuffix}%
1572 \fi
1573 \usebibmacro{name:andothers}}
1574
1575 \DeclareNameFormat{name:initials}{%
1576 \ifnum\value{uniquename}=2%
1577 \usebibmacro{name:given-family}
1578 {\namepartfamily}
1579 {\namepartgiven}
1580 {\namepartprefix}
1581 {\namepartsuffix}%
1582 \else
1583 \ifuseprefix
1584 {\usebibmacro{name:given-family}
1585 {\namepartfamily}
1586 {\namepartgiveni}
1587 {\namepartprefix}
1588 {\namepartsuffixi}}
1589 {\usebibmacro{name:given-family}
1590 {\namepartfamily}
1591 {\namepartgiveni}
1592 {\namepartprefixi}
1593 {\namepartsuffixi}}}%
1594 \fi
1595 \usebibmacro{name:andothers}}
1596
1597
1598 \def\cbx@arch@citeauthorformat@family{%

```

```

1599 \DeclareNameAlias{citeauthor}{name:family}}
1600
1601 \def\cbx@arch@citeauthorformat@full{%
1602   \DeclareNameAlias{citeauthor}{given-family}}
1603
1604 \def\cbx@arch@citeauthorformat@initials{%
1605   \DeclareNameAlias{citeauthor}{name:initials}}
1606
1607 \DeclareNameFormat{citeauthor:firstfulltheninitials}{%
1608   \cbx@ifnameseen{\thefield{hash}}
1609     {\ifnum\value{uniquename}=2
1610       \usebibmacro{name:given-family}
1611         {\namepartfamily}
1612         {\namepartgiven}
1613         {\namepartprefix}
1614         {\namepartsuffix}%
1615       \else
1616         \ifuseprefix
1617           {\usebibmacro{name:given-family}
1618             {\namepartfamily}
1619             {\namepartgiveni}
1620             {\namepartprefix}
1621             {\namepartsuffixi}}
1622           {\usebibmacro{name:given-family}
1623             {\namepartfamily}
1624             {\namepartgiveni}
1625             {\namepartprefixi}
1626             {\namepartsuffixi}}}%
1627         \fi}
1628     {\usebibmacro{name:given-family}
1629       {\namepartfamily}
1630       {\namepartgiven}
1631       {\namepartprefix}
1632       {\namepartsuffix}%
1633       \cbx@nametracker{\thefield{hash}}}%
1634   \usebibmacro{name:andothers}}
1635
1636
1637 \DeclareNameFormat{citeauthor:firstinitialsthenfamily}{%
1638   \cbx@ifnameseen{\thefield{hash}}
1639     {}
1640     {\ifnumequal{\value{uniquename}}{0}
1641       {\stepcounter{uniquename}}
1642       {}}%
1643   \cbx@nametracker{\thefield{hash}}}%
1644   \ifcase\value{uniquename}%
1645     \usebibmacro{name:family}
1646       {\namepartfamily}
1647       {\namepartgiven}
1648       {\namepartprefix}
1649       {\namepartsuffix}%
1650   \or
1651     \ifuseprefix
1652       {\usebibmacro{name:given-family}

```



```

1653         {\namepartfamily}
1654         {\namepartgiveni}
1655         {\namepartprefix}
1656         {\namepartsuffixi}}
1657     {\usebibmacro{name:given-family}
1658      {\namepartfamily}
1659      {\namepartgiveni}
1660      {\namepartprefixi}
1661      {\namepartsuffixi}}}%
1662 \or
1663     \usebibmacro{name:given-family}
1664     {\namepartfamily}
1665     {\namepartgiven}
1666     {\namepartprefix}
1667     {\namepartsuffix}%
1668 \fi
1669 \usebibmacro{name:andothers}}
1670
1671 \DeclareNameFormat{citeauthor:firstfullthenfamily}{%
1672   \cbx@ifnameseen{\thefield{hash}}
1673   {\ifcase\value{uniquename}%
1674     \usebibmacro{name:family}
1675     {\namepartfamily}
1676     {\namepartgiven}
1677     {\namepartprefix}
1678     {\namepartsuffix}%
1679   \or
1680     \ifuseprefix
1681     {\usebibmacro{name:given-family}
1682      {\namepartfamily}
1683      {\namepartgiveni}
1684      {\namepartprefix}
1685      {\namepartsuffixi}}
1686     {\usebibmacro{name:given-family}
1687      {\namepartfamily}
1688      {\namepartgiveni}
1689      {\namepartprefixi}
1690      {\namepartsuffixi}}}%
1691   \or
1692     \usebibmacro{name:given-family}
1693     {\namepartfamily}
1694     {\namepartgiven}
1695     {\namepartprefix}
1696     {\namepartsuffix}%
1697   \fi}
1698   {\usebibmacro{name:given-family}
1699    {\namepartfamily}
1700    {\namepartgiven}
1701    {\namepartprefix}
1702    {\namepartsuffix}%
1703   \cbx@nametracker{\thefield{hash}}}%
1704   \usebibmacro{name:andothers}}
1705
1706 \def\cbx@arch@citeauthorformat@firstfulltheninitials{%

```

```

1707 \DeclareNameAlias{citeauthor}{citeauthor:firstfulltheninitials}}
1708
1709 \def\cbx@arch@citeauthorformat@firstfullthenfamily{%
1710 \DeclareNameAlias{citeauthor}{citeauthor:firstfullthenfamily}}
1711
1712 \def\cbx@arch@citeauthorformat@firstinitialsthenfamily{%
1713 \DeclareNameAlias{citeauthor}{citeauthor:firstinitialsthenfamily}}
1714
1715
1716 \def\cbx@arch@citeauthorformat@firstfull{%
1717 \PackageWarningNoLine{biblatex-archaeologie}{%
1718 Value 'firstfull' for 'citeauthorformat' is deprecated,\MessageBreak
1719 use 'firstfulltheninitials' instead.}%
1720 \cbx@arch@citeauthorformat@firstfulltheninitials}
1721
1722
1723 %-----
1724 \ExecuteBibliographyOptions{%
1725 citetracker=true,
1726 idetracker=true,
1727 ibidtracker=true,
1728 opcitetracker=true,
1729 loccittracker=true,
1730 nametracker=context,
1731 dateuncertain=true,
1732 datecirca=true,
1733 citeauthorformat=initials,
1734 uniquename=minfull,
1735 autocite=footnote,
1736 }
1737 %-----
1738 \newbibmacro*{uniqueshorthand}{%
1739 \printtext[brackets]{%
1740 \ifnameundef{translator}
1741 {\ifnameundef{intranslator}%
1742 {\iffieldundef{series}%
1743 {\printnames[name:family]{editor}}}%
1744 {\usebibmacro{series}}}%
1745 {\printnames[name:family]{intranslator}}}%
1746 {\printnames[name:family]{translator}}}}
1747 %-----
1748 \renewbibmacro*{citeindex}{%
1749 \ifciteindex%
1750 {\ifboolexpr{%
1751 bool {cbx:ancient}%
1752 or bool {cbx:frgancient}
1753 }%
1754 {}%
1755 {\indexnames{labelname}}}%
1756 {}%
1757 }
1758 %-----
1759 \renewbibmacro*{postnote}{%
1760 \ifboolexpr{

```

```

1761     bool{bbx:inreferencesasfullcite}
1762     and
1763     test{\ifentrytype{inreference}}
1764   }
1765   {}
1766   {\iffieldundef{postnote}%
1767     {}%
1768     {\setunit{\postnotedelim}%
1769       \printfield{postnote}%
1770       \ifbool{cbx:frgancient}%
1771         {\setunit{\addspace}%
1772           \usebibmacro{cite:frgname}}}%
1773     {}}}}
1774 %-----
1775 \newbibmacro*{cite:frgname}{%
1776   \ifnameundef{shorteditor}%
1777     {\printnames[name:family]{editor}}%
1778     {\printnames{shorteditor}}%
1779 }
1780 %-----
1781 \newbibmacro*{seenote}{%
1782   \ifnameundef{labelname}%
1783     {\usebibmacro{cite:label}}%
1784     {\printnames{labelname}}%
1785   \setunit{\labelyear delim}%
1786   \bibstring{loc cit}%
1787   \setunit{\addspace}%
1788   \printtext[parens]{\bibstring{seenote}%
1789     \addspace%
1790     \ref{footref:\thefield{entrykey}}}%
1791   \renewcommand{\postnotedelim}{\addspace}}
1792 %-----
1793 \newbibmacro*{cite:title}{\printfield{labeltitle}}
1794 %-----
1795 \newbibmacro*{cite:origtitle}{%
1796   \iffieldundef{origtitle}
1797     {\usebibmacro{cite:title}}
1798     {\printfield{origtitle}}}
1799 %-----
1800 \newbibmacro*{cite:year}{%
1801   \iffieldundef{labelyear}
1802     {}
1803     {\printtext[citeyear]{\usebibmacro{cite:labeldate+extradate}}}}
1804 %-----
1805 \newbibmacro*{cite:lexikon}{%
1806   \printfield{booktitle}%
1807   \setunit{\addspace}%
1808   \printfield{volume}%
1809   \usebibmacro{edition}%
1810   \printfield[parens]{year}%
1811   \setunit{\addspace}%
1812   \iffieldundef{postnote}%
1813     {\printfield{pages}}%
1814     {\printfield{postnote}}%

```

```

1815 \usebibmacro{inreference:title+author}%
1816 }
1817 %-----
1818 \newbibmacro{cite:seenote}{%
1819   \ifboolexpr{bool{cbx:ancient}%
1820     or bool{cbx:frgancient}%
1821     or bool{cbx:corpus}}
1822 }%
1823   {\usebibmacro{cite:shorthand}}%
1824   {\ifciteseen%
1825     {\usebibmacro{seenote}}%
1826     {\bibhypertarget{ref:\thefield{entrykey}}%
1827       {\usedriver%
1828         {\DeclareNameAlias{sortname}{default}}%
1829         {\thefield{entrytype}}%
1830         \iffootnote{\label{footref:\thefield{entrykey}}}}}}}%
1831 %-----
1832 \newbibmacro{cite}{%
1833   \ifboolexpr{
1834     bool{bbx:inreferencesasfullcite}
1835     and
1836     test{\ifentrytype{inreference}}
1837   }
1838   {\usebibmacro{cite:lexikon}}%
1839   {\ifbool{cbx:seenote}%
1840     {\usebibmacro{cite:seenote}}%
1841     {\printtext[bibhyperref]{%
1842       \iffieldundef{shorthand}%
1843       {\ifnameundef{labelname}%
1844         {\usebibmacro{cite:label}%
1845           \setunit{\labelyear{delim}}%
1846           {\printnames{labelname}%
1847             \setunit{\nameyear{delim}}%
1848             \usebibmacro{cite:year}}%
1849           {\usebibmacro{cite:shorthand}}}}}}}%
1850 %-----
1851 \newbibmacro*{citeyear}{%
1852   \iffieldundef{shorthand}%
1853   {\iffieldundef{labelyear}%
1854     {\usebibmacro{cite:label}}%
1855     {\usebibmacro{cite:labeldate+extradate}}}%
1856   {\usebibmacro{cite}}}
1857 %-----
1858 \newbibmacro*{textcite}{%
1859   \ifnameundef{labelname}%
1860   {\iffieldundef{shorthand}%
1861     {\usebibmacro{cite:label}%
1862       \setunit{%
1863         \global\booltrue{cbx:yearinparens}%
1864         \nonameyear{delim}\bibopenparen}%
1865     {\ifnumequal{\value{citecount}}{1}%
1866       {\usebibmacro{prenote}}%
1867       {}}%
1868     \usebibmacro{cite:labeldate+extradate}}%

```

```

1869     {\usebibmacro{cite}}}%
1870     {\printnames{labelname}%
1871     \setunit{%
1872     \global\booltrue{cbx:yearinparens}%
1873     \nameyear delim\bibopenparen}%
1874     \usebibmacro{citeyear}}}%
1875 %-----
1876 \newbibmacro*{cite:shorthand}{%
1877   \ifbool{cbx:seenote}%
1878   {\printtext{\printfield{shorthand}}}%
1879   {\printtext[bibhyperref]{%
1880     \printfield{shorthand}%
1881     \ifbool{cbx:unique}%
1882       {\setunit*{\addspace}%
1883       \usebibmacro{uniqueshorthand}}}%
1884     {}}}}
1885 %-----
1886 \newbibmacro*{cite:label}{%
1887   \iffieldundef{label}%
1888   {\printtext[bibhyperref]{\printfield[citetitle]{labeltitle}}}%
1889   {\printtext[bibhyperref]{\printfield{label}}}%
1890 %-----
1891 \newbibmacro*{cite:labeldate+extradate}{%
1892   \iffieldundef{labelyear}%
1893   {}
1894   {\printtext[bibhyperref]{\printlabeldateextra}}}%
1895 %-----
1896 \newbibmacro*{textcite:postnote}{%
1897   \iffieldundef{postnote}%
1898   {\ifbool{cbx:yearinparens}%
1899     {\bibcloseparen}%
1900     {}}%
1901   {\ifbool{cbx:yearinparens}%
1902     {\setunit{\postnotedelim}}%
1903     {\setunit{\extpostnotedelim\bibopenparen}}}%
1904   \printfield{postnote}%
1905   \ifbool{cbx:frgancient}%
1906     {\setunit{\addthinspace}%
1907     \usebibmacro{cite:frgname}%
1908     \bibcloseparen}%
1909   \bibcloseparen}}
1910 %-----
1911 \DeclareCiteCommand{\cite}%
1912   {\usebibmacro{prenote}}%
1913   {\usebibmacro{citeindex}}%
1914   {\usebibmacro{cite}}%
1915   {\multicitedelim}%
1916   {\usebibmacro{postnote}}
1917 %-----
1918 \DeclareCiteCommand{\footcite}[\mkbibfootnote]
1919   {\usebibmacro{prenote}}%
1920   {\usebibmacro{citeindex}}%
1921   {\usebibmacro{cite}}%
1922   {\multicitedelim}%

```

```

1923 {\usebibmacro{postnote}}
1924 %-----
1925 \DeclareCiteCommand{\textcite}%
1926   {\boolfalse{cbx:yearinparens}%
1927    \renewcommand*{\multinamedelim}{\addcomma\space}%
1928    \renewcommand*{\finalnamedelim}{%
1929     \ifnumgreater{\value{liststop}}{2}{\finalandcomma}{}}%
1930    \addspace\bibstring{and}\space}%
1931   {\usebibmacro{citeindex}%
1932    \iffirstcitekey%
1933     {\setcounter{textcitetotal}{1}}%
1934     {\stepcounter{textcitetotal}}%
1935    \textcitedelim%
1936    \usebibmacro{prenote}}%
1937   \ifbool{cbx:seenote}
1938     {\usebibmacro{cite:seenote}}%
1939     {\usebibmacro{textcite}}}%
1940   {\ifbool{cbx:yearinparens}%
1941     {\bibcloseparen\global\boolfalse{cbx:yearinparens}}%
1942     {}}%
1943   {\ifbool{cbx:seenote}
1944     {\usebibmacro{postnote}}%
1945     {\usebibmacro{textcite:postnote}}}%
1946 %-----
1947 \DeclareCiteCommand{\parencite}[\mkbibparens]%
1948   {\usebibmacro{prenote}}%
1949   {\usebibmacro{citeindex}%
1950    \usebibmacro{cite}}%
1951   {\multicitedelim}%
1952   {\usebibmacro{postnote}}%
1953 %-----
1954 \DeclareCiteCommand{\smartcite}[\iffootnote\textnormal\mkbibfootnote]
1955   {\usebibmacro{prenote}}%
1956   {\usebibmacro{citeindex}%
1957    \usebibmacro{cite}}%
1958   {\multicitedelim}%
1959   {\ifboolexpr{
1960     bool{bbx:inreferencesasfullcite}
1961     and
1962     test{\ifentrytype{inreference}}}
1963     {}
1964     {\usebibmacro{postnote}}}%
1965 %-----
1966 \DeclareCiteCommand{\fullcite}
1967   {\usebibmacro{prenote}}%
1968   {\usedriver
1969     {\DeclareNameAlias{sortname}{default}}
1970     {\thefield{entrytype}}}%
1971   {\multicitedelim}%
1972   {\usebibmacro{postnote}}%
1973 %-----
1974 \DeclareCiteCommand{\footfullcite}[\mkbibfootnote]
1975   {\usebibmacro{prenote}}%
1976   {\usedriver

```

```

1977     {\DeclareNameAlias{sortname}{default}}
1978     {\thefield{entrytype}}}}
1979 {\multicitedelim}
1980 {\usebibmacro{postnote}}
1981 %-----
1982 \DeclareMultiCiteCommand{\cites}{\cite}{\multicitedelim}
1983 \DeclareMultiCiteCommand{\parencites}[\mkbibparens]{\parencite}{\multicitedelim}
1984 \DeclareMultiCiteCommand{\textcites}{\textcite}{}
1985 \DeclareMultiCiteCommand{\smarcites}[\iffootnote\textnormal\mkbibfootnote]{\smarcite}{\multicitedelim}
1986 %-----
1987 \DeclareCiteCommand{\citeauthor}
1988   {\boolfalse{citetracker}%
1989    \boolfalse{pagetracker}%
1990    \renewcommand*{\multinamedelim}{\addcomma\space}%
1991    \renewcommand*{\finalnamedelim}{%
1992      \ifnumgreater{value{liststop}}{2}{\finalandcomma}{}}%
1993      \addspace\bibstring{and}\space}%
1994    \usebibmacro{prenote}}%
1995   {\usebibmacro{citeindex}%
1996    \ifboolexpr{
1997      bool{bbx:inreferencesasfullcite}
1998      and
1999      test{\ifentrytype{inreference}}}
2000      {\printtext}%
2001      {\printtext[bibhyperref]}}%
2002   {\printnames[citeauthor]{labelname}}}%
2003   {\multicitedelim}%
2004   {\usebibmacro{postnote}}
2005 %-----
2006 \DeclareCiteCommand{\citetranslator}
2007   {\boolfalse{citetracker}%
2008    \boolfalse{pagetracker}%
2009    \renewcommand*{\multinamedelim}{\addcomma\space}%
2010    \renewcommand*{\finalnamedelim}{%
2011      \ifnumgreater{value{liststop}}{2}{\finalandcomma}{}}%
2012      \addspace\bibstring{and}\space}%
2013    \usebibmacro{prenote}}%
2014   {\usebibmacro{citeindex}%
2015    \ifboolexpr{
2016      test {\ifentrytype{incollection}}
2017      or
2018      test {\ifentrytype{inbook}}}
2019    }%
2020    {\ifnameundef{intranslator}%
2021      {\bibstring{owntranslation}}%
2022      {\printtext[bibhyperref]{\printnames[citeauthor]{intranslator}}}}%
2023    {\ifnameundef{translator}%
2024      {\bibstring{owntranslation}}%
2025      {\ifboolexpr{
2026        bool {bbx:inreferencesasfullcite}
2027        and
2028        test {\ifentrytype{inreference}}
2029      }%
2030      {\printnames[citeauthor]{translator}}

```

```

2031         {\printtext[bibhyperref]{\printnames[citeauthor]{translator}}}}}}
2032 {\multicitedelim}%
2033 {\usebibmacro{postnote}}
2034 %-----
2035 \DeclareCiteCommand*\citetranslator{
2036   {\boolfalse{citetracker}%
2037    \boolfalse{pagetracker}%
2038    \DeclareNameAlias{bytranslator}{citeauthor}%
2039    \renewcommand*\multinamedelim{\addcomma\space}%
2040    \renewcommand*\finalnamedelim}{%
2041      \ifnumgreater{value{liststop}}{2}{\finalandcomma}{}}%
2042    \addspace\bibstring{and}\space}%
2043   \usebibmacro{prenote}}%
2044 {\usebibmacro{citeindex}%
2045   \ifboolexpr{
2046     bool{bbx:inreferencesasfullcite}
2047     and
2048     test{\ifentrytype{inreference}}}
2049   {\printtext}%
2050   {\printtext[bibhyperref]}%
2051   {\ifthenelse{%
2052     \ifentrytype{incollection}%
2053     \OR%
2054     \ifentrytype{inbook}%
2055   }%
2056     {\ifnameundef{intranslator}%
2057      {\bibstring{owntranslation}}%
2058      {\usebibmacro{byintranslator+others}}}%
2059     {\ifnameundef{translator}%
2060      {\bibstring{owntranslation}}%
2061      {\usebibmacro{bytranslator+others}}}}}%
2062 {\multicitedelim}%
2063 {\usebibmacro{postnote}}
2064 %-----
2065 \DeclareCiteCommand*\citeauthor{
2066   {\boolfalse{citetracker}%
2067    \boolfalse{pagetracker}%
2068    \usebibmacro{prenote}}
2069   {\usebibmacro{citeindex}%
2070    \printnames[][1-1]{labelname}}
2071   {\multicitedelim}
2072   {\usebibmacro{postnote}}
2073 %-----
2074 \DeclareCiteCommand\citetitle{
2075   {\boolfalse{citetracker}%
2076    \boolfalse{pagetracker}%
2077    \usebibmacro{prenote}}%
2078   {\ifboolexpr{
2079     bool{bbx:inreferencesasfullcite}
2080     and
2081     test{\ifentrytype{inreference}}}
2082   {\printtext}%
2083   {\printtext[bibhyperref]}%
2084   \ifbool{cbx:ancient}

```



```

2085      {\printtext[emph]{\usebibmacro{cite:origtitle}}}%
2086      {\printtext[emph]{\usebibmacro{cite:title}}}%
2087      \iffieldundef{year}
2088      {}
2089      {\setunit{\addspace}%
2090      \printtext[parens]{%
2091      \printfield{year}%
2092      \iffieldundef{origyear}
2093      }%
2094      {\addspace\printfield[parens]{origyear}}}}}%
2095  {\multicitedelim}%
2096  {\usebibmacro{postnote}}%
2097
2098 \DeclareCiteCommand*{\citetitle}
2099   {\boolfalse{citetracker}%
2100   \boolfalse{pagetracker}%
2101   \usebibmacro{prenote}}%
2102   {\ifboolexpr{%
2103     bool{bbx:inreferencesasfullcite}
2104     and
2105     test{\ifentrytype{inreference}}}
2106     {\printtext}%
2107     {\printtext[bibhyperref]}
2108     {\printtext[emph]{\usebibmacro{cite:title}}}}%
2109   {\multicitedelim}%
2110   {\usebibmacro{postnote}}%
2111
2112 % new translator etc. fields for "inner" work, that is translator of title (not booktitle) in @
2113 \DeclareDatamodelFields[type=list,datatype=name]{ineditor, intranslator, inannotator, incommentator}
2114 \DeclareDatamodelEntryfields[inbook, incollection, inproceedings, inreference]{ineditor, intranslator, inannotator, incommentator}
2115 \DeclareDatamodelEntrytypes{talk}
2116 \DeclareDatamodelEntryfields[talk]{author, title, subtitle, titleaddon, date, labeldate, year, venue, inproceedings}
2117 \DeclareDatamodelFields[type=field,datatype=verbatim]{zenon}
2118 \DeclareDatamodelEntryfields{zenon}
2119 \DeclareDatamodelFields[type=field,datatype=verbatim]{arachne}
2120 \DeclareDatamodelEntryfields{arachne}
2121 \DeclareDatamodelFields[type=field,datatype=verbatim]{urn}
2122 \DeclareDatamodelEntryfields{urn}
2123 \DeclareDatamodelFields[type=field,datatype=verbatim]{jstor}
2124 \DeclareDatamodelEntryfields{jstor}
2125 \DeclareDatamodelFields[type=field,datatype=verbatim]{eventdatelanguage}
2126 \DeclareDatamodelEntryfields[proceedings, inproceedings]{eventdatelanguage}

```

### 3 English: english-archaeologie.lbx

Here we declare all language based definitions and extras.

We load the standard set of localization strings, then add our adjustments.

```

2127
2128
2129 \InheritBibliographyExtras{english}

```

```

2130
2131 \DeclareBibliographyStrings{%
2132   inherit          = {english},
2133   magthesis = {{}}{},{% FIX ME!
2134   mathesis = {{Masters-thesis}{MA thesis}},% FIX ME!
2135   subvoce          = {{sub\addspace voce}{s\adddot\adnbthinspace v\adddot}},
2136   reference         = {{Article}{Art\adddot}},
2137   origtitle         = {{original title}{orig\adddot title}},
2138   firstprint        = {{first\addspace edition}{first\addspace edition}},
2139   talk              = {{talk}{talk}},
2140   fromamerican      = {{from\addspace American}{from\addspace American}},
2141   frombrazilian     = {{from\addspace Brazilian}{from\addspace Brazilian}},
2142   fromcroatian      = {{from\addspace Croatian}{from\addspace Croatian}},
2143   fromdanish         = {{from\addspace Danish}{from\addspace Danish}},
2144   fromdutch          = {{from\addspace Dutch}{from\addspace Dutch}},
2145   fromenglish        = {{from\addspace English}{from\addspace English}},
2146   fromfinnish        = {{from\addspace Finnish}{from\addspace Finnish}},
2147   fromfrench         = {{from\addspace French}{from\addspace French}},
2148   fromgerman         = {{from\addspace German}{from\addspace German}},
2149   fromgreek          = {{from\addspace Greek}{from\addspace Greek}},
2150   fromitalian        = {{from\addspace Italian}{from\addspace Italian}},
2151   fromlatin          = {{from\addspace Latin}{from\addspace Latin}},
2152   fromnorwegian      = {{from\addspace Norwegian}{from\addspace Norwegian}},
2153   fromportuguese     = {{from\addspace Portuguese}{from\addspace Portuguese}},
2154   fromrussian        = {{from\addspace Russian}{from\addspace Russian}},
2155   fromspanish        = {{from\addspace Spanish}{from\addspace Spanish}},
2156   fromswedish        = {{from\addspace Swedish}{from\addspace Swedish}},
2157   owntranslation     = {{own\addspace trans\adddot}{own\addspace translation}},
2158 }
2159
2160 \protected\gdef\ltx@us@mkdaterangetrunc@long#1#2{%
2161   \begingroup
2162     \ltx@metadateinfo{#2}%
2163     \iffieldundef{#2year}
2164       {}
2165       {\printtext[#2date]{%
2166         \datecircaprint
2167         \iffieldundef{#2season}
2168           {\ifdateyearsequal{#2}{#2end}
2169             {\csuse{mkbibdate#1}{#2month}{#2day}}
2170             {\csuse{mkbibdate#1}{#2year}{#2month}{#2day}}%
2171             \dateeraprint{#2year}}}
2172           {\ifdateyearsequal{#2}{#2end}
2173             {\csuse{mkbibseasondate#1}{#2season}}
2174             {\csuse{mkbibseasondate#1}{#2year}{#2season}}%
2175             \dateeraprint{#2year}}}
2176         \dateuncertainprint
2177         \iffieldundef{#2endyear}
2178           {}
2179           {\iffieldequalstr{#2endyear}{}}
2180           {\mbox{\bibdaterangesep}}
2181           {\bibdaterangesepx{#2}%
2182           \enddatecircaprint
2183           \iffieldundef{#2season}

```

```

2184         {\ifdateyearsequal{#2}{#2end}
2185          {\iffieldsequal{#2month}{#2endmonth}
2186           {\csuse{mkbibdate#1}{#2endyear}}{#2endmonth}{#2endday}}
2187           {\csuse{mkbibdate#1}{#2endyear}}{#2endmonth}{#2endday}}}}
2188           {\csuse{mkbibdate#1}{#2endyear}}{#2endmonth}{#2endday}}}}
2189           {\csuse{mkbibseasondate#1}{#2endyear}}{#2endseason}}}%
2190         \enddateuncertainprint
2191         \dateeraprint{#2endyear}}}}}%
2192     \endgroup}
2193
2194 \protected\gdef\lbox@us@mkdaterangetrunc@short#1#2{%
2195     \begingroup
2196     \lbox@metadateinfo{#2}%
2197     \iffieldundef{#2year}
2198     {}
2199     {\printtext[#2date]{%
2200      \datecircaprint
2201      \iffieldundef{#2season}
2202      {\ifdateyearsequal{#2}{#2end}
2203       {\csuse{mkbibdate#1}}{#2month}{#2day}}
2204       {\csuse{mkbibdate#1}{#2year}}{#2month}{#2day}}%
2205       \dateeraprint{#2year}}}}
2206      {\ifdateyearsequal{#2}{#2end}
2207       {\csuse{mkbibseasondate#1}}{#2season}}
2208       {\csuse{mkbibseasondate#1}{#2year}}{#2season}}%
2209       \dateeraprint{#2year}}}}}%
2210     \dateuncertainprint
2211     \iffieldundef{#2endyear}
2212     {}
2213     {\iffieldequalstr{#2endyear}}{}
2214     {\mbox{\bibdaterangesep}}
2215     {\bibdaterangesepx{#2}%
2216      \enddatecircaprint
2217      \iffieldundef{#2season}
2218      {\csuse{mkbibdate#1}{#2endyear}}{#2endmonth}{#2endday}}
2219      {\csuse{mkbibseasondate#1}{#2endyear}}{#2endseason}}}%
2220     \enddateuncertainprint
2221     \dateeraprint{#2endyear}}}}}%
2222 \endgroup}
2223
2224 \protected\gdef\lbox@us@mkdaterangetruncextra@long#1#2{%
2225     \begingroup
2226     \lbox@metadateinfo{#2}%
2227     \iffieldundef{#2year}
2228     {}
2229     {\printtext[#2date]{%
2230      \datecircaprint
2231      \iffieldundef{#2season}
2232      {\ifdateyearsequal{#2}{#2end}
2233       {\csuse{mkbibdate#1}}{#2month}{#2day}}
2234       {\csuse{mkbibdate#1}{#2year}}{#2month}{#2day}}%
2235       \dateeraprint{#2year}}}%
2236      {\ifdateyearsequal{#2}{#2end}
2237       {\csuse{mkbibseasondate#1}}{#2season}}

```

```

2238         {\csuse{mkbibseasondate#1}{#2year}{#2season}%
2239         \dateeraprint{#2year}}}%
2240 \dateuncertainprint
2241 \iffieldundef{#2endyear}
2242     {\printfield{extradate}}
2243     {\iffieldequalstr{#2endyear}{}}
2244     {\printfield{extradate}%
2245     \mbox{\bibdaterangesep}}
2246     {\bibdaterangesepx{#2}%
2247     \enddatecircaprint
2248     \iffieldundef{#2season}
2249     {\ifdateyearsequal{#2}{#2end}
2250     {\iffieldsequal{#2month}{#2endmonth}
2251     {\csuse{mkbibdate#1}{#2endyear}}{#2endday}}
2252     {\csuse{mkbibdate#1}{#2endyear}{#2endmonth}{#2endday}}}
2253     {\csuse{mkbibdate#1}{#2endyear}{#2endmonth}{#2endday}}
2254     {\csuse{mkbibseasondate#1}{#2endyear}{#2endseason}}}%
2255     \printfield{extradate}%
2256     \enddateuncertainprint
2257     \dateeraprint{#2endyear}}}}}%
2258 \endgroup}
2259
2260 \protected\gdef\lbox@us@mkdaterangetruncextra@short#1#2{%
2261 \begingroup
2262     \lbox@metadateinfo{#2}%
2263     \iffieldundef{#2year}
2264     {}
2265     {\printtext[#2date]{%
2266     \datecircaprint
2267     \iffieldundef{#2season}
2268     {\ifdateyearsequal{#2}{#2end}
2269     {\csuse{mkbibdate#1}}{#2month}{#2day}}
2270     {\csuse{mkbibdate#1}{#2year}{#2month}{#2day}%
2271     \dateeraprint{#2year}}}%
2272     {\ifdateyearsequal{#2}{#2end}
2273     {\csuse{mkbibseasondate#1}}{#2season}}
2274     {\csuse{mkbibseasondate#1}{#2year}{#2season}%
2275     \dateeraprint{#2year}}}%
2276     \dateuncertainprint
2277     \iffieldundef{#2endyear}
2278     {\printfield{extradate}}
2279     {\iffieldequalstr{#2endyear}{}}
2280     {\printfield{extradate}%
2281     \mbox{\bibdaterangesep}}
2282     {\bibdaterangesepx{#2}%
2283     \enddatecircaprint
2284     \iffieldundef{#2season}
2285     {\csuse{mkbibdate#1}{#2endyear}{#2endmonth}{#2endday}}
2286     {\csuse{mkbibseasondate#1}{#2endyear}{#2endseason}}}%
2287     \printfield{extradate}%
2288     \enddateuncertainprint
2289     \dateeraprint{#2endyear}}}}}%
2290 \endgroup}
2291

```

2292

## 4 German: german-archaeologie.lbx

Here we declare all language based definitions and extras.

We load the standard set of localization strings, then add our adjustments.

```

2293
2294
2295
2296 \InheritBibliographyExtras{ngerman}
2297
2298 \DeclareBibliographyStrings{%
2299   inherit          = {ngerman},
2300   magthesis = {{Magisterarbeit}{Mag.-Arbeit}},%
2301   mathesis = {{Masterarbeit}{MA-Arbeit}},%
2302   subvoce          = {{sub\addspace voce}{s\adddot\addnbthinspace v\adddot}},
2303   reference         = {{Artikel}{Art\adddot}},
2304   reviewof          = {{Rezension\addspace zu}{Rez\adddot\addabthinspace zu}},
2305   origtitle         = {{Originaltitel}{Orig\adddot titel}},
2306   firstprint        = {{Erstauflage}{Erstaufl\adddot}},
2307   talk              = {{Vortrag}{Vortrag}},
2308   seenote           = {{Anmerkung}{Anm\adddot}},
2309   loccit            = {{am\addabthinspace Ort}{a\adddot\addabthinspace O\adddot}},
2310   translationof     = {{\ "Ubersetzung\addspace von}{\ "Ubers\adddot\addspace von}},
2311   owntranslation    = {{eigene\addspace\ "Ubersetzung}{eig\adddot\addspace\ "Ubers\adddot}},
2312 }
2313
```

## 5 French: french-archaeologie.lbx

Here we declare all language based definitions and extras.

We load the standard set of localization strings, then add our adjustments.

```

2314
2315 \InheritBibliographyExtras{french}
2316 \DefineBibliographyExtras{french}{\restorecommand\mkbibnamefamily}
2317
2318 \DeclareBibliographyStrings{%
2319   inherit          = {french},
2320   magthesis = {{}}{% FIX ME!}
2321   mathesis = {{}}{% FIX ME!}
2322   subvoce          = {{sub\addspace voce}{s\adddot\addnbthinspace v\adddot}},
2323   translationof     = {{traduction\addspace de}{trad\adddot\addspace de}},
2324   reference         = {{article}{art\adddot}},
2325   reviewof          = {{recension\addspace de}{rec\adddot\addspace de}},
2326   origtitle         = {{titre original}{titre orig.\adddot}},
2327   firstprint        = {{première\addspace édition}{première\addspace éd\adddot}},
2328   talk              = {{conférence}{conf.}},

```

```

2329 fromamerican = {{depuis\addspace l'anglais américain} {depuis\addspace l'anglais américain}},
2330 frombrazilian = {{depuis\addspace le\addspace brésilien}{depuis\addspace le\addspace brésilien}},
2331 fromcroatian = {{depuis\addspace le\addspace croatien}{depuis\addspace le\addspace croatien}},
2332 fromdanish = {{depuis\addspace le\addspace danois}{depuis\addspace le\addspace danois}},
2333 fromdutch = {{depuis\addspace le\addspace néerlandais}{depuis\addspace le\addspace néerlandais}},
2334 fromenglish = {{depuis\addspace l'anglais}{depuis l'anglais}},
2335 fromfinnish = {{depuis\addspace Finnish}{depuis\addspace le\addspace Finnish}},
2336 fromfrench = {{depuis\addspace le\addspace français}{depuis\addspace le\addspace français}},
2337 fromgerman = {{depuis\addspace l'allemand} {depuis\addspace l'allemand}},
2338 fromgreek = {{depuis\addspace le\addspace grec}{depuis\addspace le\addspace grec}},
2339 fromitalian = {{depuis\addspace l'italien}{depuis l'italien}},
2340 fromlatin = {{depuis\addspace le\addspace latin}{depuis\addspace le\addspace latin}},
2341 fromnorwegian = {{depuis\addspace le\addspace norvégien}{depuis\addspace le\addspace norvégien}},
2342 fromportuguese = {{depuis\addspace le\addspace portugais}{depuis\addspace le\addspace portugais}},
2343 fromrussian = {{depuis\addspace le\addspace russe}{depuis\addspace le\addspace russe}},
2344 fromspanish = {{depuis\addspace l'espagnole}{depuis\addspace l'espagnol}},
2345 fromswedish = {{depuis\addspace le\addspace suédois}{depuis\addspace le\addspace suédois}},
2346 owntranslation = {{??}{??}},% FIX ME!
2347 }
2348

```

## 6 Italian: italian-archaeologie.lbx

Here we declare all language based definitions and extras.

We load the standard set of localization strings, then add our adjustments.

```

2349 \InheritBibliographyExtras{italian}
2350
2351 \DeclareBibliographyStrings{%
2352   inherit = {italian},
2353   magthesis = {{}}{% FIX ME!
2354   mathesis = {{}}{% FIX ME!
2355   subvoce = {{sub\addspace voce}{s\adddot\addnbthinspace v\adddot}},
2356   translationof = {{traduzione\addspace di}{trad\adddot\addabthinspace di}},
2357   reference = {{articolo}{art\adddot}},
2358   reviewof = {{recensione\addspace di}{recens\adddot\addabthinspace di}},
2359   origtitle = {{titolo\addspace originale}{titolo\addspace orig\adddot}},
2360   firstprint = {{prima\addspace edizione}{prima\addspace edizione}},
2361   talk = {{presentazione}{presentazione}},
2362   inpreparation = {{in\addspace preparazione}{in prep\adddot}},
2363   submitted = {{}}{% FIX ME!
2364   inpress = {{in\addspace corso\addspace di\addspace stampa}{c\adddot\addabthinspace d}},
2365   prepublished = {{}}{% FIX ME!
2366   forthcoming = {{prossimo}{prossimo}},
2367   owntranslation = {{??}{??}},% FIX ME!
2368 }
2369
2370

```

## 7 Spanish: spanish-archaeologie.lbx

Here we declare all language based definitions and extras.

We load the standard set of localization strings, then add our adjustments.

```

2371
2372 \InheritBibliographyExtras{spanish}
2373
2374 \DeclareBibliographyStrings{%
2375   inherit          = {spanish},
2376   magthesis = {{}}{}},% FIX ME!
2377   mathesis = {{}}{}},% FIX ME!
2378   subvoce          = {{sub\addspace voce}{s\adddot\addnbthinspace v\adddot}},
2379   reference         = {{Artículo}{Art\adddot}},
2380   origtitle         = {{Título\addspace original}{Título\addspace original}},
2381   firstprint        = {{Primera\addspace edición}{Primera\addspace edición}},
2382   talk              = {{Conferencia}{Conferencia}},
2383   owntranslation    = {{??}{??}},% FIX ME!
2384 }
2385
2386

```