

langsci-affiliations

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1 User guide

This package provides a command `\ResolveAffiliations`, which collects author–affiliation pairs and outputs them according to the user configuration. It is aimed at class authors, i.e. maintainers of document templates in publishing houses, universities, etc.

<code>\ResolveAffiliations</code>	<code>\ResolveAffiliations [<i>options</i>] {<i>pairs of authors and affiliations</i>}</code>
-----------------------------------	---

Takes the `{pairs of authors and affiliations}`, orders them internally and outputs them according to the `[options]`.

`{Pairs of authors and affiliations}` is a list of authors and affiliations, separated by a customisable string. The defaults for the separators are `and` for authors and `;` for affiliations. The conventional author separator `\and` is automatically converted to the chosen author separator. Affiliations are given within `\affiliation` within the `{pairs}` argument. This command is not defined by this package and possibly existing definitions are left unchanged.

For example:

```
\ResolveAffiliations{
  A. U. Thor\affiliation{University of the Moon; University of Mars}
  and B. U. Thor\affiliation{University of Mars}
}
```

results in:

A. U. Thor^{a,b} & B. U. Thor^b

^aUniversity of the Moon ^bUniversity of Mars

The output can be customised using the `[options]`. They are described below.

<code>\SetupAffiliations</code>	<code>\SetupAffiliations {<i>options</i>}</code>
---------------------------------	--

Options can be set either globally or locally. With `\SetupAffiliations{options}`, they apply globally. If they are set with `\ResolveAffiliations[options]`, they apply locally.

*<mailto:felix.kopecky@langsci-press.org>. Please submit bug reports and feature requests to <https://github.com/langsci/langsci-affiliations/issues>.

`mark style = $\langle style \rangle$` (initially `alphabetic`)
Controls which markers should be used in the indexes of affiliations. Can be either of `{alphabetic, numeric, circled, none}`.

`output affiliation = $\langle boolean \rangle$` (initially `true`)
Affiliations are output if true, otherwise not.

`orcid placement = $\langle choice \rangle$` (initially `none`)
Decide whether and where to place ORCIDs around author names. Valid choices are `{none, before, after}`.

`output in groups = $\langle boolean \rangle$` (initially `true`)
If `true`, authors and affiliations are output in the same line. When `false` each author and affiliation gets its own line. Only available if `output affiliation=true`.

`output authors font = $\langle font commands \rangle$` (initially `\Large`)
Stores the font settings for the output of authors.

`output affiliation font = $\langle font commands \rangle$` (initially `\normalsize`)
Stores the font settings for outputting affiliations.

`output authors paragraph format = $\langle layout settings \rangle$` (initially `\raggedright`)
Stores the paragraph settings for the author block. These settings are only applied if `output in groups=true`.

`output affiliation paragraph format = $\langle layout settings \rangle$` (initially `\raggedright`)
Stores the paragraph settings for the affiliation block. These settings are only applied if `output in groups=true`.

Output separators between authors and affiliations are customisable as well:

`separator between two = $\langle tokens \rangle$` (initially `~&~`)
If there are only two authors, use these $\langle tokens \rangle$ to separate them.

`separator between multiple = $\langle tokens \rangle$` (initially `,~`)
If there are more than two authors, use these $\langle tokens \rangle$ to separate every pair except the last one.

`separator between final two = $\langle tokens \rangle$` (initially `~&~`)
Use these $\langle tokens \rangle$ to separate the last pair of authors if there are more than two.

`separator between indices = $\langle tokens \rangle$` (initially `,`)
Use these to separate affiliation indices after each author.

`separator between affiliations = $\langle tokens \rangle$` (initially `_`)
Separates the affiliations in the affiliation line.

`author affiliation skip = $\langle dimexpr \rangle$` (initially `0.5ex`)
Distance between author(s) and affiliation(s).

The way the input is digested can be customised with these two settings:

`input names separator = $\langle tokens \rangle$` (initially `~and~`)
Separates the author names in the input.

`input affiliation separator = $\langle tokens \rangle$` (initially `;`)
 Separates the affiliations in the input, within dummy command `\affiliation`.

<code>\CountAuthorsFromAffiliations</code>	<code>\CountAuthorsFromAffiliations [$\langle options \rangle$] $\{ \langle pairs of authors and affiliations \rangle \}$</code>
New: 2021-12-06	

A document command to count the numbers of authors given in a list. Useful for conditional behaviour of document classes based on the numbers of authors. It takes the same optional arguments as `\ResolveAffiliations`. For example, a custom author separator is recognised by this command.

The result is stored in the global integer variable `\g__affiliations_num_authors_int`.

<code>\LinkToORCIDinAffiliations</code>	<code>\LinkToORCIDinAffiliations $\{ \langle orcid \rangle \}$</code>
New: 2022-09-27	

This document command is intended as a user interface to customise the way ORCIDs are output. For example, it can be set to forward the input ORCIDs to `\orcidlink` from the `orcidlink` package:

```
\RenewDocumentCommand{\LinkToORCIDinAffiliations}{ +m }
{
  \, \orcidlink{#1}%
}
```

2 Implementation

```
1  $\langle *package \rangle$ 
2  $\langle @@=affiliations \rangle$ 
3 \RequirePackage{xparse}
4 \ProvidesExplPackage {langsci-affiliations} {2024-02-27} {1.3}
5 {A LaTeX3 package to collect and order authors and affiliations}
```

`\ResolveAffiliations` The top-level document command. It is grouped to keep assignments local.

```
6 \NewDocumentCommand{\ResolveAffiliations}{ 0{} +m }
7 {
8   \group_begin:
9   \keys_set:nn { affiliations } { #1 }%
10  \exp_args:No \affiliations_resolve:n { #2 }%
11  \group_end:
12 }
```

(End of definition for `\ResolveAffiliations`. This function is documented on page 1.)

`\LinkToORCIDinAffiliations` The action taken to link to an ORCID. Designed to be overwritten by the user.

```
13 \ProvideDocumentCommand{\LinkToORCIDinAffiliations}{ +m }{ #1 }
```

(End of definition for `\LinkToORCIDinAffiliations`. This function is documented on page 3.)

\CountAuthorsFromAffiliations Count authors and leave the result in the global integer variable `\g__affiliations_num_authors_int`.

```

14 \NewExpandableDocumentCommand{\CountAuthorsFromAffiliations}{0}{+m}{
15   {%
16     \group_begin:
17     \keys_set:nn { affiliations } { #1 }%
18     \exp_args:No \affiliations_count_authors:n { #2 }%
19     \group_end:
20   }

```

(End of definition for \CountAuthorsFromAffiliations. This function is documented on page 3.)

\SetupAffiliations A command to define options.

```

21 \NewDocumentCommand{\SetupAffiliations}{m}{
22   {%
23     \keys_set:nn { affiliations } { #1 }
24   }

```

(End of definition for \SetupAffiliations. This function is documented on page 1.)

```

25 \keys_define:nn { affiliations }
26 {
27   mark~style .tl_set:N
28     = \l__affiliations_style_tl,
29   mark~style .initial:n
30     = { alphabetic },
31   output~affiliation .bool_set:N
32     = \l__affiliations_output_affiliation_bool,
33   output~affiliation .initial:n
34     = { true },
35   orcid~placement .tl_set:N
36     = \l__affiliations_orcid_place_tl,
37   orcid~placement .initial:n
38     = { none },
39   output~in~groups .bool_set:N
40     = \l__affiliations_output_grouped_bool,
41   output~in~groups .initial:n
42     = { true },
43   separator~between~two .tl_set:N
44     = \l__affiliations_separator_between_two_tl,
45   separator~between~two .initial:n
46     = { ~\&~ },
47   separator~between~multiple .tl_set:N
48     = \l__affiliations_separator_between_mult_tl,
49   separator~between~multiple .initial:n
50     = { ,~ },
51   separator~between~final~two .tl_set:N
52     = \l__affiliations_separator_between_last_two_tl,
53   separator~between~final~two .initial:n
54     = { ~\&~ },
55   separator~between~indices .tl_set:N
56     = \l__affiliations_indices_separator_tl,
57   separator~between~indices .initial:n
58     = { , },
59   separator~between~affiliations .tl_set:N

```

```

60         = \l__affiliations_afil_separator_tl,
61     separator~between~affiliations .initial:n
62     = {\~},
63     output~authors~paragraph~format .cs_set:Np
64     = \__affiliations_output_authors_paragraph_format:,
65     output~authors~paragraph~format .initial:n
66     = {\raggedright},
67     output~authors~font .cs_set:Np
68     = \__affiliations_output_authors_font:,
69     output~authors~font .initial:n
70     = {\Large},
71     output~affiliation~font .cs_set:Np
72     = \__affiliations_output_affiliation_font:,
73     output~affiliation~font .initial:n
74     = {\normalsize},
75     output~affiliation~paragraph~format .cs_set:Np
76     = \__affiliations_output_affiliation_paragraph_format:,
77     output~affiliation~paragraph~format .initial:n
78     = {\raggedright},
79     input~names~separator .tl_set:N
80     = \l__affiliations_input_names_sep_tl,
81     input~names~separator .initial:n
82     = {\~and~},
83     input~affiliation~separator .tl_set:N
84     = \l__affiliations_input_afil_sep_tl,
85     input~affiliation~separator .initial:n
86     = {\;},
87     author~affiliation~skip .dim_set:N
88     = \l__author_affil_sep_dim,
89     author~affiliation~skip .initial:n
90     = {0.5ex}
91 }

```

\prop_put:Nxx

\prop_put:Nnx

\seq_set_split:Nvn

\l__affiliations_tmpa_clist

\l__affiliations_tmpa_int

\g__affiliations_num_authors_int

\l__affiliations_affiliations_seq

\l__affiliations_authors_seq

\l__affiliations_names_seq

\l__affiliations_tmpa_seq

\l__affiliations_tmpb_seq

\l__affiliations_tmpa_tl

\l__affiliations_tmpb_tl

\l__affiliations_output_prop

\l__affiliations_affiliations_prop

Variants and variables

```

92
93 \cs_generate_variant:Nn \prop_put:Nnn { Nxx }
94 \cs_generate_variant:Nn \prop_put:Nnn { Nnx }
95 \cs_generate_variant:Nn \seq_set_split:Nnn { NVV }
96 \cs_generate_variant:Nn \seq_set_split:Nnn { NVn }
97 \cs_generate_variant:Nn \tl_replace_all:Nnn { NnV }
98 \clist_new:N \l__affiliations_tmpa_clist
99 \int_new:N \l__affiliations_tmpa_int
100 \int_new:N \g__affiliations_num_authors_int
101 \seq_new:N \l__affiliations_affiliations_seq
102 \seq_new:N \l__affiliations_authors_seq
103 \seq_new:N \l__affiliations_names_seq
104 \seq_new:N \l__affiliations_tmpa_seq
105 \seq_new:N \l__affiliations_tmpb_seq
106 \seq_new:N \l__affiliations_tmp_affil_seq
107 \seq_new:N \l__affiliations_tmp_orcid_seq
108 \tl_new:N \l__affiliations_tmpa_tl
109 \tl_new:N \l__affiliations_tmpb_tl
110 \tl_new:N \l__affiliations_tmpc_tl
111 \prop_new:N \l__affiliations_tmpa_prop

```

```

112 \prop_new:N \l__affiliations_output_prop
113 \prop_new:N \l__affiliations_affiliations_prop
114 \prop_new:N \l__affiliations_orcids_prop

```

(End of definition for \prop_put:Nxx and others.)

\l__affiliations_icons_prop The data for the circled mark style. Since this uses the \char, it is only available in XeLaTeX.

```

115 \prop_const_from_keyval:Nn \l__affiliations_icons_prop
116 {
117     0 = \char"2460, 1 = \char"2461, 2 = \char"2462, 3 = \char"2463,
118     4 = \char"2464, 5 = \char"2465, 6 = \char"2466, 7 = \char"2467,
119     8 = \char"2468, 9 = \char"2469, 10 = \char"246A, 11 = \char"246B,
120     12 = \char"246C, 13 = \char"246D, 14 = \char"246E, 15 = \char"246F,
121     16 = \char"2470, 17 = \char"2471, 18 = \char"2472, 19 = \char"2473
122 }

```

(End of definition for \l__affiliations_icons_prop.)

__affiliations_resolve_affiliations: A helper macro to order affiliations. Is called by \affiliations_resolve:n.

```

123 \cs_new:Npn \__affiliations_resolve_affiliations: #1#2
124 {
125     \clist_clear:N \l__affiliations_tmpa_clist
126     \tl_if_empty:nTF {#2}
127     {
128         \prop_put:Nnn \l__affiliations_output_prop {#1} {}
129     }
130     {
131         \seq_set_split:NVn \l__affiliations_tmpa_seq
132             \l__affiliations_input_afil_sep_tl
133             { #2 }
134         \seq_map_inline:Nn \l__affiliations_tmpa_seq
135         {
136             \prop_get:NnNTF \l__affiliations_affiliations_prop
137                 {##1}
138                 \l__affiliations_tmpa_tl
139             {
140                 \clist_put_right:NV \l__affiliations_tmpa_clist
141                     \l__affiliations_tmpa_tl
142             }
143             {
144                 %Not yet present
145                 \clist_put_right:Nx \l__affiliations_tmpa_clist
146                 {
147                     \prop_count:N \l__affiliations_affiliations_prop
148                 }
149                 \prop_put:Nnx \l__affiliations_affiliations_prop {##1}
150                 { \prop_count:N \l__affiliations_affiliations_prop }
151             }
152         }
153         \prop_put:NnV \l__affiliations_output_prop
154             {#1}
155             \l__affiliations_tmpa_clist
156     }
157 }

```

(End of definition for `__affiliations_resolve_affiliations:.`)

`__affiliations_output_affiliations:` A helper macro that outputs the list of affiliations, usually below the list of authors.

```

158 \cs_new:Nn \__affiliations_output_affiliations:
159 {
160   \prop_map_inline:Nn \l__affiliations_affiliations_prop
161   {
162     \int_set:Nn \l__affiliations_tmpa_int { ##2 }
163     \str_case_e:nn { \l__affiliations_style_tl }
164     {
165       {alphabetic}
166       {
167         \textsuperscript{\int_to_alph:n{ \int_eval:n
168           { \l__affiliations_tmpa_int + 1 } }
169         } }
170       }
171       {numeric}
172       { \textsuperscript{\int_eval:n { \l__affiliations_tmpa_int + 1 } } }
173       {circled}
174       {
175         \prop_item:Nn \l__affiliations_icons_prop
176         { \l__affiliations_tmpa_int }
177       }
178       {none} { }
179     }
180     \tl_rescan:nn {} {##1}
181     \int_compare:nNnT
182     { \int_eval:n { \l__affiliations_tmpa_int + 1 } }
183     <
184     { \prop_count:N \l__affiliations_affiliations_prop }
185     { \tl_use:N \l__affiliations_afil_separator_tl }
186   }
187 }

```

(End of definition for `__affiliations_output_affiliations:.`)

`__affiliations_return_afil_text:n` A helper macro that returns the affiliation marks.

```

188 \cs_new:Npn \__affiliations_return_afil_text:n #1
189 {
190   \int_set:Nn \l__affiliations_tmpa_int { #1 }
191   \str_case_e:nn { \l__affiliations_style_tl }
192   {
193     {alphabetic}
194     {
195       \seq_put_right:Nx \l__affiliations_tmpb_seq
196       { \int_to_alph:n{ \int_eval:n { #1 + 1 } } }
197     }
198     {numeric}
199     {
200       \seq_put_right:Nx \l__affiliations_tmpb_seq
201       { \int_eval:n { \l__affiliations_tmpa_int + 1 } }
202     }
203     {circled}
204     {

```

```

205         \seq_put_right:Nx \l__affiliations_tmpb_seq
206         { \prop_item:Nn \l__affiliations_icons_prop
207           { \l__affiliations_tmpa_int} }
208     }
209     {none} { }
210   }
211 }

```

(End of definition for __affiliations_return_afil_text:n.)

__affiliations_output_authors: A helper macro to output the list of authors, with affiliation marks (if any).

```

212 \cs_new:Nn \__affiliations_output_authors:
213 {
214   \seq_clear:N \l__affiliations_tmpa_seq
215   \prop_map_inline:Nn \l__affiliations_output_prop
216   {
217     \seq_clear:N \l__affiliations_tmpb_seq
218     \clist_map_function:nN {##2} \__affiliations_return_afil_text:n
219     \tl_set:Nn \l__affiliations_tmpb_tl
220     {
221       \seq_use:Nn \l__affiliations_tmpb_seq
222       {\l__affiliations_indices_separator_tl}
223     }
224     \str_case_e:nn { \l__affiliations_orcid_place_tl }
225     {
226       {none}
227       {
228         \seq_put_right:Nx \l__affiliations_tmpa_seq
229         {
230           \tl_rescan:nn {} {##1}
231           \exp_not:N
232           \textsuperscript{\tl_use:N \l__affiliations_tmpb_tl}
233         }
234       }
235       {before}
236       {
237         \seq_put_right:Nx \l__affiliations_tmpa_seq
238         {
239           \exp_not:N \__affiliations_recover_orcid:n { ##1 }
240           \tl_rescan:nn {} {##1}
241           \exp_not:N
242           \textsuperscript{\tl_use:N \l__affiliations_tmpb_tl}
243         }
244       }
245       {after}
246       {
247         \seq_put_right:Nx \l__affiliations_tmpa_seq
248         {
249           \tl_rescan:nn {} {##1}
250           \exp_not:N \__affiliations_recover_orcid:n { ##1 }
251           \exp_not:N
252           \textsuperscript{\tl_use:N \l__affiliations_tmpb_tl}
253         }
254       }

```



```

255     }
256   }
257   \seq_use:Nnnn \l__affiliations_tmpa_seq
258             {\l__affiliations_separator_between_two_tl}
259             {\l__affiliations_separator_between_mult_tl}
260             {\l__affiliations_separator_between_last_two_tl}
261 }

```

(End of definition for __affiliations_output_authors:.)

\affiliations_resolve:n The main macro.

```

262 \cs_new:Npn \affiliations_resolve:n #1
263 {
264   \tl_set:Nn \l__affiliations_tmpc_tl { #1 }
265   \tl_replace_all:NnV \l__affiliations_tmpc_tl
266                     { \and }
267                     \l__affiliations_input_names_sep_tl
268   \seq_set_split:NVV \l__affiliations_names_seq
269                     \l__affiliations_input_names_sep_tl
270                     \l__affiliations_tmpc_tl
271   \seq_map_inline:Nn \l__affiliations_names_seq
272   {
273     \tl_clear_new:N \l__affiliations_names_tmp_tl
274     \tl_set:Nn \l__affiliations_names_tmp_tl { ##1 }
275

```

Regex-parsing: We store the $\{\langle affiliations \rangle\}$ found in \affiliation to a separate sequence, and the $\{\langle orcid \rangle\}$ found in \orcid to another sequence.

```

276
277   \regex_extract_once:nnN
278     {\c{affiliation} \cB. (\c[~BE].*) \cE.}
279     { ##1 }
280     \l__affiliations_tmp_affil_seq
281
282   \regex_extract_once:nnN
283     {\c{orcid} \cB. (\c[~BE].*) \cE.}
284     { ##1 }
285     \l__affiliations_tmp_orcid_seq
286

```

Now strip all instances of \affiliations $\{\langle list \rangle\}$ and \orcid $\{\langle id \rangle\}$ to receive the name of the author. Also trim all leading and trailing spaces that remain after affiliation and ORCID replacement.

```

287
288   \regex_replace_all:nnN {\c{orcid} \cB. (\c[~BE].*) \cE.}
289                       {}
290                       \l__affiliations_names_tmp_tl
291   \regex_replace_all:nnN {\c{affiliation} \cB. (\c[~BE].*) \cE.}
292                       {}
293                       \l__affiliations_names_tmp_tl
294
295   \tl_trim_spaces:N \l__affiliations_names_tmp_tl
296

```

And store the data in two separate property lists.

```

297
298 \prop_put:Nxx \l__affiliations_tmpa_prop
299 { \tl_use:N \l__affiliations_names_tmp_tl }
300 { \seq_item:Nn \l__affiliations_tmp_affil_seq {2} }
301
302 \prop_put:Nxx \l__affiliations_orcids_prop
303 { \tl_use:N \l__affiliations_names_tmp_tl }
304 { \seq_item:Nn \l__affiliations_tmp_orcid_seq {2} }
305 }
306 \bool_if:NTF \l__affiliations_output_affiliation_bool
307 {
308   \bool_if:NTF \l__affiliations_output_grouped_bool
309   {
310     \prop_map_function:NN \l__affiliations_tmpa_prop
311       \__affiliations_resolve_affiliations:
312     \group_begin:
313       \noindent
314       \parbox {\linewidth}
315       {
316         \__affiliations_output_authors_paragraph_format:
317         \__affiliations_output_authors_font:
318         \__affiliations_output_authors:
319       }
320     \group_end:
321     \skip_vertical:N \l__author_affil_sep_dim
322     \group_begin:
323       \noindent
324       \parbox {\linewidth}
325       {
326         \__affiliations_output_affiliation_paragraph_format:
327         \__affiliations_output_affiliation_font:
328         \__affiliations_output_affiliations:
329       }
330     \group_end:
331   }
332   {
333     \seq_clear:N \l__affiliations_tmpa_seq
334     \prop_map_inline:Nn \l__affiliations_tmpa_prop
335     {
336       \str_case_e:nn { \l__affiliations_orcid_place_tl }
337       {
338         {none}
339         {
340           \seq_put_right:Nx \l__affiliations_tmpa_seq
341           {
342             \group_begin:
343             \exp_not:N \__affiliations_output_authors_font:
344             \tl_rescan:nn {} {##1}
345             \group_end:\[\dim_use:N \l__author_affil_sep_dim]
346             \group_begin:
347             \exp_not:N \__affiliations_output_affiliation_font:
348             \tl_rescan:nn {} {##2}
349             \group_end:

```

```

350         }
351     }
352     {before}
353     {
354         \seq_put_right:Nx \l__affiliations_tmpa_seq
355         {
356             \group_begin:
357             \exp_not:N \__affiliations_output_authors_font:
358             \exp_not:N \__affiliations_recover_orcid:n { ##1 }
359             \tl_rescan:nn {} {##1}\[\dim_use:N \l__author_affil_sep_dim]
360             \group_end:
361             \group_begin:
362             \exp_not:N \__affiliations_output_affiliation_font:
363             \tl_rescan:nn {} {##2}
364             \group_end:
365         }
366     }
367     {after}
368     {
369         \seq_put_right:Nx \l__affiliations_tmpa_seq
370         {
371             \group_begin:
372             \exp_not:N \__affiliations_output_authors_font:
373             \tl_rescan:nn {} {##1}
374             \exp_not:N \__affiliations_recover_orcid:n { ##1 }
375             \[\dim_use:N \l__author_affil_sep_dim]
376             \group_end:
377             \group_begin:
378             \exp_not:N \__affiliations_output_affiliation_font:
379             \tl_rescan:nn {} {##2}
380             \group_end:
381         }
382     }
383 }
384
385 \noindent
386 \seq_use:Nnnn \l__affiliations_tmpa_seq
387     {\l__affiliations_separator_between_two_tl}
388     {\l__affiliations_separator_between_mult_tl}
389     {\l__affiliations_separator_between_last_two_tl}
390 }
391
392 {
393     \group_begin:
394     \__affiliations_output_authors_font:
395     \seq_clear:N \l__affiliations_tmpa_seq
396     \prop_map_inline:Nn \l__affiliations_tmpa_prop
397     {
398         \str_case_e:nn { \l__affiliations_orcid_place_tl }
399         {
400             {none}
401             {
402                 \seq_put_right:Nx
403                 \l__affiliations_tmpa_seq

```

```

404         { \tl_rescan:nn {} {##1} }
405     }
406     {before}
407     {
408         \seq_put_right:Nx
409         \l__affiliations_tmpa_seq
410         {
411             \exp_not:N \__affiliations_recover_orcid:n { ##1 }
412             \tl_rescan:nn {} {##1}
413         }
414     }
415     {after}
416     {
417         \seq_put_right:Nx
418         \l__affiliations_tmpa_seq
419         {
420             \tl_rescan:nn {} {##1}
421             \exp_not:N \__affiliations_recover_orcid:n { ##1 }
422         }
423     }
424 }
425 }
426 \seq_use:Nnnn \l__affiliations_tmpa_seq
427     {\l__affiliations_separator_between_two_tl}
428     {\l__affiliations_separator_between_mult_tl}
429     {\l__affiliations_separator_between_last_two_tl}
430 \group_end:
431 }
432 }

```

(End of definition for \affiliations_resolve:n.)

\affiliations_count_authors:n Count the numbers of authors and saves the result in the global integer variable \g__affiliations_num_authors_int.

```

433 \cs_new:Npn \affiliations_count_authors:n #1
434 {
435     \tl_set:Nn \l__affiliations_tmpe_tl { #1 }
436     \tl_replace_all:NnV \l__affiliations_tmpe_tl
437         { \and }
438         \l__affiliations_input_names_sep_tl
439     \seq_set_split:NVV \l__affiliations_names_seq
440         \l__affiliations_input_names_sep_tl
441         \l__affiliations_tmpe_tl
442     \int_gset:Nn \g__affiliations_num_authors_int
443         { \seq_count:N \l__affiliations_names_seq }
444 }

```

(End of definition for \affiliations_count_authors:n.)

__affiliations_recover_orcid:n Return the ORCID associated with an author.

```

445 \cs_new:Npn \__affiliations_recover_orcid:n #1
446 {
447     \prop_get:NnNTF \l__affiliations_orcids_prop { #1 }
448     \l__affiliations_tmpe_tl

```

```

449     {
450       \tl_if_empty:NTF \l__affiliations_tmpd_tl
451         % No ORCID present; no action done.
452         { }
453         {
454           \LinkToORCIDinAffiliations{\tl_use:N \l__affiliations_tmpd_tl}
455         }
456       }
457       % No database entry for author; no action done.
458       { }
459     }

(End of definition for \__affiliations_recover_orcid:n.)
460 \end{package}

```