Go-live dates of the Journal Article (JA) DTD

• 5.0.1: 1 July 2004
• 5.0.2: 1 November 2007
• 5.1.0: 1 August 2009
• 5.2.0: 1 January 2013

• Rough timelines
  ▪ 29 February: 5.2.0r1
  ▪ 21 March: 5.2.0 final
  ▪ 21 March: first handcrafted sample files
  ▪ 20 April: first draft updated Tag by Tag
Journal Article DTD changes

• Use the new Common Element Pool 1.2.0
• Add PIT for case reports: crp
• Added optional copyright-line
From CEP 1.1.5 to 1.2.0 via 1.1.6

• JA DTD 5.1.0 uses Common Element Pool CEP 1.1.5
• CEP 1.2.0 will also pick up all changes made in CEP 1.1.6 for use in the Book DTD 5.3.0:
  ▪ Added @role to 20 elements, @view to 12 elements and @id to 8 elements
  ▪ Changed ce:glossary-entry and ce:index-entry
  ▪ Changed ce:glossary-def
  ▪ Made ce:section-title in ce:further-reading, ce:glossary and ce:index optional
Text between author names

• We added `ce:author-group/ce:text` to allow free text in between author names and collaborations

```xml
<ce:author-group>
  <ce:author>...</ce:author>
  <ce:text>on behalf of the</ce:text>
  <ce:collaboration>
    <ce:text>Colorectal Cancer Annual Consensus Meeting Group</ce:text>
  </ce:collaboration>
  <ce:affiliation>...</ce:affiliation>
</ce:author-group>
```
In this article (live on SD), “on behalf of” is made part of the collaboration name.

UK Third National Colorectal Cancer Consensus Meeting 2008

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Overview of what’s new in CEP 1.2.0

• Support for ORCID author IDs
• Support for names in alternative scripts
• Ability to capture members of a collaboration
• Abstract classes for research highlights and SDAs
• Structured affiliations
• Modifications in structured bibliographic references
• Other miscellaneous changes
**ORCID**

- Author identifier, see Wikipedia
- **New attribute** `orcid` to `ce:author`, `sb:author` and `sb:editor`

```xml
<!ATTLIST ce:author
  %common-link.att;
  %common-role.att;
  orcid    CDATA    #IMPLIED
  author-id  CDATA    #IMPLIED
  biographyid  IDREF    #IMPLIED>
```
Alternative name (1/2)

• In journals with many Chinese authors, names in Chinese are added between parentheses

  Jin Chao (靳 超) and Zheng Weimin (郑纬民)

• To support this, we added `ce:alt-name` as subelement to `ce:author`, `sb:author` and `sb:editor`

```xml
<!ENTITY % name "( ( ce:given-name, ce:surname ) | ( ce:surname, ce:given-name? ) ), ce:suffix?, ce:alt-name*" >

<!ELEMENT ce:alt-name ( %richstring.data; )* >
```
Alternative name (2/2)

<ce:author-group>
  <ce:author>
    <ce:surname>Jin</ce:surname>
    <ce:given-name>Chao</ce:given-name>
    <ce:alt-name>&#x9773; &#x8D85;</ce:alt-name>
  </ce:author>
  <ce:author>
    <ce:surname>Zheng</ce:surname>
    <ce:given-name>Weimin</ce:given-name>
    <ce:alt-name>&#x90D1;&#x7EAC;&#x6C11;</ce:alt-name>
  </ce:author>
  ...
</ce:author-group>
New in CEP 1.2.0

Collaboration members (1/4)

In this article, the members of the NEMO-3 collaboration are also listed as authors.

And here the members are not listed as authors at all (perhaps unstructured as a footnote or in an appendix).
New in CEP 1.2.0

Collaboration members (2/4)

However, Pubmed/Medline insists that members of a collaboration are tagged as group members. This is what it looks like if group members are tagged (from another Publisher): the collaborators can be expanded and collapsed.
Collaboration members (3/4)

• To support group members (and more), and motivated by Outlook distribution lists, we added optional/multiple `ce:author-group` to `ce:collaboration`.

• At the same time we added optional/multiple `ce:e-address`.

```xml
<!ELEMENT   ce:collaboration
( ce:indexed-name?, ce:text,
  (%cross-ref;)*, ce:collab-aff?,
  ce:e-address*, ce:author-group* )>
```
New in CEP 1.2.0

Collaboration members (4/4)

<ce:collaboration>
  <ce:text>NEMO-3 Collaboration</ce:text>
  <ce:author-group>
    <ce:author>
      <ce:given-name>J.</ce:given-name>
      <ce:surname>Argyiades</ce:surname>
      <ce:cross-ref refid="aff1">...</ce:cross-ref>
    </ce:author>
    <ce:author>
      <ce:given-name>R.</ce:given-name>
      <ce:surname>Arnold</ce:surname>
      ...</ce:author>
    ...
    <ce:affiliation id="aff1"><ce:label>a</ce:label>
      <ce:textfn>LAL, ...</ce:textfn></ce:affiliation>
    ...
  </ce:author-group>
</ce:collaboration>
Research highlights, structured digital abstracts

• New abstract classes sda, author-highlights and editor-highlights

<ce:abstract class="author-highlights">
  <ce:section-title>Highlights</ce:section-title>
  <ce:abstract-sec>
    <ce:simple-para>
      <ce:list>
        <ce:list-item><ce:para>MODIS hotspot is corrected by POLDER-3 hotspot.</ce:para></ce:list-item>
        <ce:list-item><ce:para>The global clumping index map is derived at 500 m resolution.</ce:para></ce:list-item>
        <ce:list-item><ce:list-item><ce:para>The clumping index map is validated by 38 TRAC ground measurements.</ce:para></ce:list-item>
      </ce:list>
    </ce:simple-para>
  </ce:abstract-sec>
</ce:abstract>

New in CEP 1.2.0
Structured affiliations (1/2)

• In order to ease transformation to Opsbank / Scopus records adhering to the A&I DTD we added \texttt{sa:affiliation}

• The element is optional only for backward compatibility

```xml
<!ELEMENT ce:affiliation ( ce:label?, ce:textfn, sa:affiliation? )>

<ce:affiliation>
  <ce:textfn>University of Exeter Business School,
           Streatham Court, Streatham Campus, University of Exeter, Exeter EX4 4ST, Devon, UK</ce:textfn>
  <sa:affiliation>
    <sa:organization>University of Exeter Business School</sa:organization>
  </sa:affiliation>
</ce:affiliation>
```
New in CEP 1.2.0

Structured affiliations (2/2)

<sa:address-line>Streatham Court</sa:address-line>
<sa:address-line>Streatham Campus</sa:address-line>
<sa:address-line>University of Exeter</sa:address-line>
<sa:city>Exeter</sa:city>
<sa:state>Devon</sa:state>
<sa:postal-code>EX4 4ST</sa:postal-code>
<sa:country>UK</sa:country>
</sa:affiliation>
</ce:affiliation>
Changes to structured bibliographic references

To decrease the number of `ce:other-refs`, a few changes will be made to structured references:

- `sb:book` will receive an attribute indicating the type of book, e.g. `class="report"

- Titles of serials will be made optional

- Pagination will be added to book chapters
New in CEP 1.2.0

**Miscellaneous changes**

- Add attribute `@id` to 24 elements, including `ce:title`, `ce:author-group` and `ce:keyword`
- Add attribute `@role` to `ce:abstract-sec`
- Copyright type `free-of-copyright`
- Add full copyright line (to be used verbatim) as in BK DTD

```xml
<!ENTITY % copyright "ce:copyright, ce:copyright-line?" >
```

- Add optional `ce:displayed-quote/ce:source`
- Add `ce:keywords` to `ce:figure`, `ce:e-component`, `ce:table` and `ce:textbox`
New in SI DTD 5.2

Serial issue DTD changes

• Catch up with latest common element pool: use CEP 1.2.0
• Used `%iso639; for serial-issue/@xml:lang`
• Add ID attribute to `title-editors-group` and attribute `group-id` to `issue-sec` enabling matching items to special issues