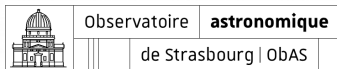# Technical points about A&A articles

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□ **Access - FTP**

- Each volume is uploaded on our FTP.
  - => **Is there an alternative? (e.g. web API?)**

□ **Access - Old articles**

- For space reasons, we do not keep all articles. The oldest full volume we have is #562 (year: 2014).
  - => **Is there a way to download in the same format (PDF+TEX+OBJ+XML+images+. . .) old articles?**

☐ **Access - 2 Files**

- Currently, for each release of a volume (until its completion), there are 2 files (.tar.gz):
  - a light file (TEX+OBJ) - `aa_vVOLUME_*-_rRELEASE.tar.gz`
  - a full file (PDF+XML+images+...) - `aa_vVOLUME_*-full_rRELEASE.tar.gz`

- **=> Why 2 files? Would not it be better to only have the full file in future?**

- **=> What is the status of the use of `\object{}` (.obj files)?**
  - *(mapping table (i.e. object as written in the article => updated name in Simbad))*
  - **=> Would it be possible to add a tag in the XML version on each text tagged as `\object` in the LaTeX version?**

☐ Access - File name

- Different name syntaxes (and directories?) in time:
  - `old/vVOLUME/aavOVOLUME*_r*_full.tar.gz`
  - `old/vVOLUME/aa_vVOLUME_*-full_r*.tar.gz`
  - `aa_vVOLUME_*-full_rRELEASE.tar.gz`
- Currently, we try to deal with all of them.
  - **=> Is it possible to agree on a name and to keep it (for some years at least)?**

Access - Releases

- Currently, several versions of each volume: the releases.
  - => **Why?**
- The release number is incremental. All archive files must be extracted by ascending release number.
  - => **Is it correct?**
- We do not use these files until the volume is complete.
  - => **Why not getting a single archive file for the whole volume once complete?**

□ **Access - Notifications**

- **=> Is it possible to be notified or be aware when we can automatically download a new published complete volume?**
  - *(full and final version of papers, including tables)*

□ XML - DTD

- Current DTD ID is: -//EDP//DTD EDP Publishing JATS v1.0 20130606//EN

- Clearly an EDP variant of JATS 1.0

  - so before it became the NISO standard Z39.96...
  - ...and before it changed its version numbering

- **=> Where are the files defining this DTD?**

  - *Impossible to validate the XML without them.*

- **=> Is there any plan to follow a recent official JATS version?**

  - *last version in date is: 1.2 (february 2019)*

☐ **XML - Bibcode**

- Bibcode already in the XML version of the article
  - => **Is it always true?**
    - *currently if missing we automatically generate one*

□ **XML** - **References**

- For most of the referenced articles, there is a link toward ADS
    - BUT ONLY in the PDF and Web versions
    - **=> Is it possible to have such a link in the XML version too?**
- Currently, we try to build a kind of Bibcode with available information
    - BUT not really robust and not always successful
    - **=> Is it also possible to have their Bibcode and/or DOI?**

☐ **Typo**

- missing spaces in XML only (e.g. 2020A&A...633A..28P, in the caption of the Figure 2, search for the text V1352 Ori)
  - *problem when missing between a text and an object name ; this name is not identified*
- missing link (e.g. 2020A&A...633A..30M ; search for the text see footnote #3 in the section 2.3)
  - *just the text is visible (no URL ; tag <a href="...")*

XML - CDATA

- There is no need to encode XML terms (other than [and]) inside a CDATA special node:
  - _Example - article aa31746-17 of volume 634:

```
<tex-math id="tex_eq51">
 \<![CDATA[\begin{equation*} k_{ij} = \kappa_{ij} (
 R^{\textrm{diff}}_i&#x002B;R^{\textrm{diff}}_j)/n_d\
 \textrm{cm}^{3}\ \textrm{s}^{-1},\end{equation*}]]>
\</tex-math>
```

  - It is quite hard to decode and display such math expression once encoded this way.

Technical contact

- **Would EDP/A&A interested by such technical feedback in future?**
- **If yes, who to contact?**

- **=> How to improve the instructions for authors?**
  - check object names in Simbad
  - . . . .