

CDS homogenisation of metadata from publishers



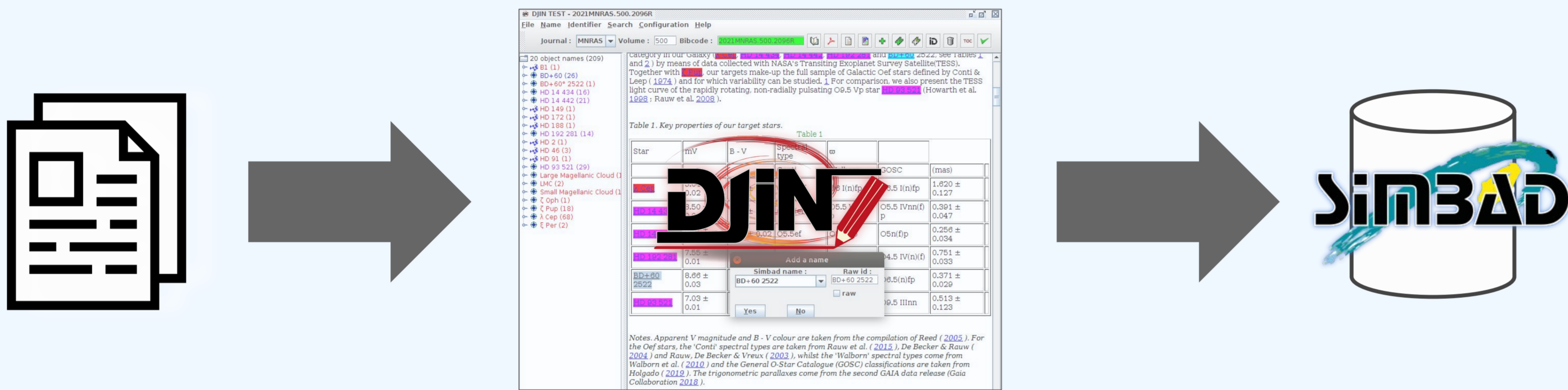
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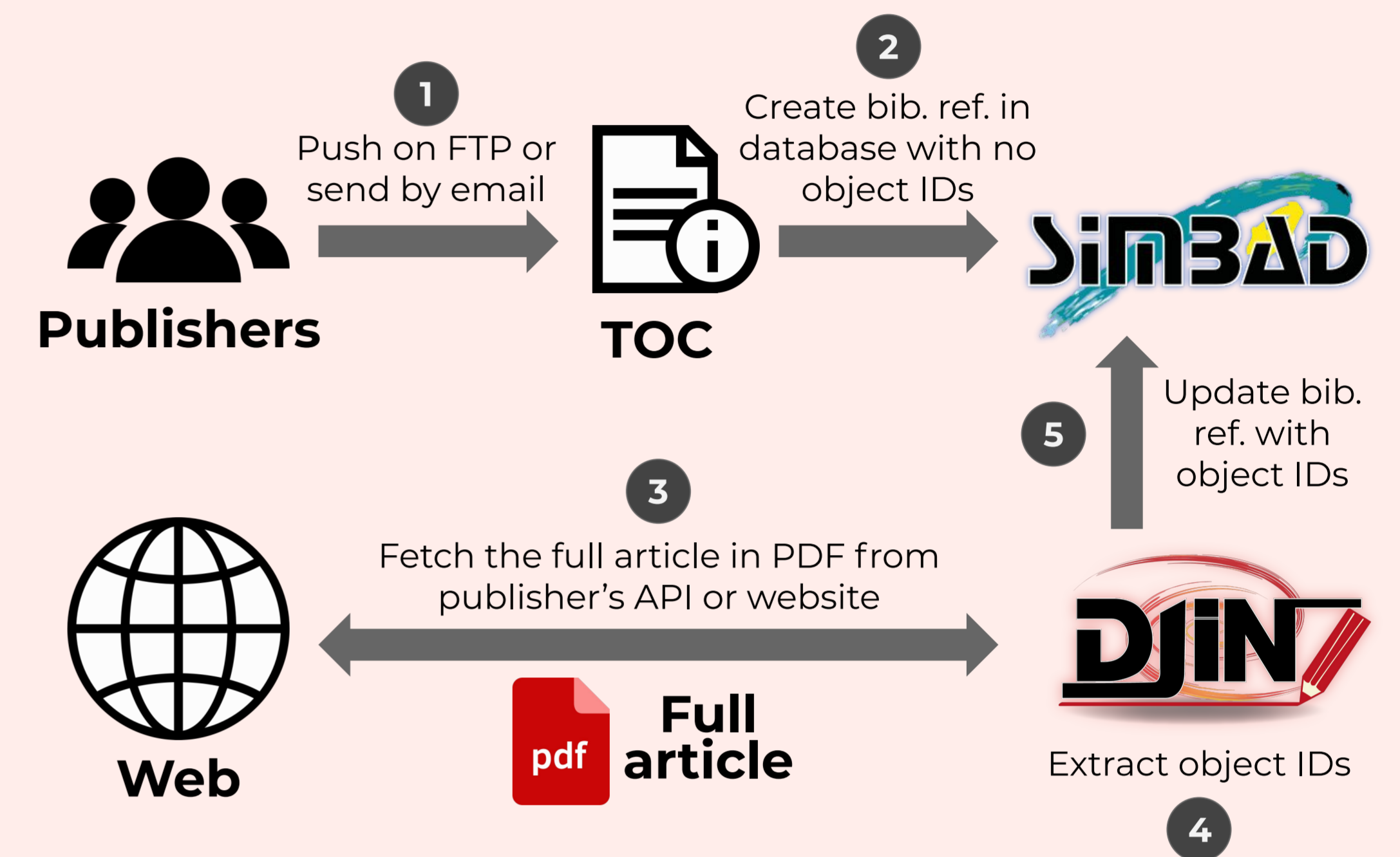
Oberto A., Neuville M., Lesteven S., Allen M.

What purpose?

- **Articles analysed...**
- ...for astronomical **object names extraction**
- ...by **DJIN** (a semi-automatic software)
- ...to update the objects stored in the **SIMBAD** database
- ...with new identifiers, positions
- ...and **links between objects and their bibliographic references.**



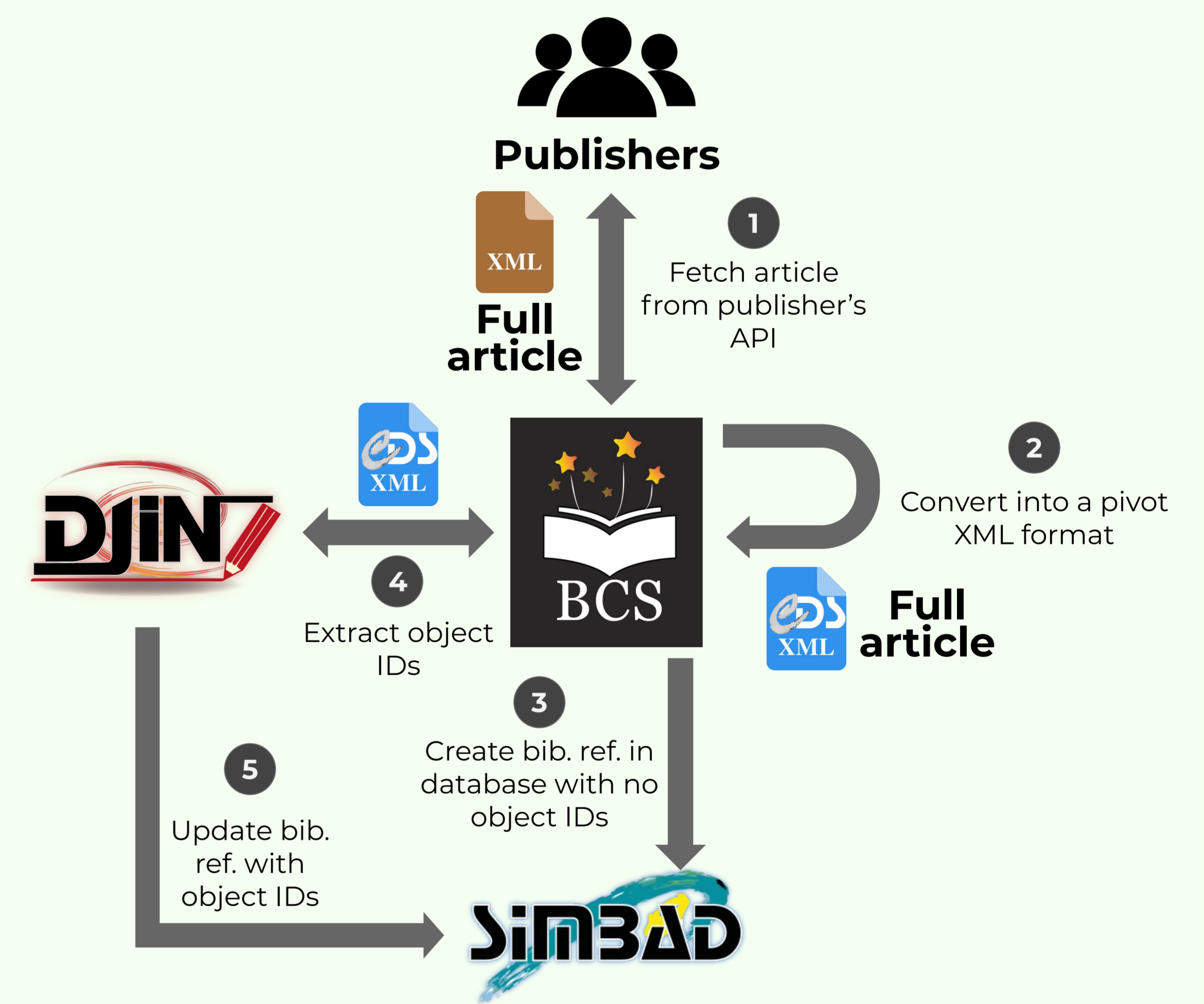
Now



What change?

	Now	In progress
Format	<p>PDF</p> <ul style="list-style-type: none"> • not reliable for text extraction but for display and print, • different from one publisher to another, • very sensitive to change 	<p>XML</p> <ul style="list-style-type: none"> • easy text extraction (XPath) • easy conversion into other formats (XSLT) • if following a standard, XPath+XSLT reusable (JATS)
Files	<p>2 files</p> <p>with a different way to get each of them depending on the publisher</p>	<p>Only 1 file</p> <p>with a different way to get it depending on the publisher</p>
Workflow	<p>Completely manual + Scripts (Bash/Python)</p> <p>get and process the TOC + get the PDF article from the Web</p>	<p>Semi-automatic + Internal Web Site</p> <p>fetch+convert on demand with the BCS when available</p>
Get	<p>TOC: Push</p> <p>(pushed by publishers on our FTP or by email)</p> <p>PDF: Push on our FTP or PDF: Pull from web site</p>	<p>Pull</p> <p>(get XML from publishers)</p> <p><i>As much as possible, but not yet possible with most publishers</i></p>
Reusable?	No	Yes <i>e.g. for table extraction (VizieR)</i>

In progress



But...

- **Not all** journals provide their articles **in XML**
- If existing, the **XML** is **not always accessible for us**
- If existing, **often not standard** (though there are standards like **JATS**)
- **Missing Pull Service or API** to fetch XML articles
- **Missing notifications** about **complete** new volumes/issues

BCS Bibliographic Center Supervisor (Internal CDS Web Site)

