Let's fix how JACoW papers get cited

References, DOIs, and where the data comes from



Johan Olander · JACoW board · October 2026

Our DOIs can't produce a proper reference today

What the DOI tools print today

Cousineau,Sarah et al., “Towards operational reality with laser assisted charge exchange.” JACoW Publishing, 5 AD. doi: 10.18429/JACOW-IPAC2025-MOPS003.

What it should say

S. Cousineau *et al.*, “Towards operational reality with laser assisted charge exchange”, in *Proc. IPAC’25*, Taipei, Taiwan, Jun. 2025, pp. 585–587. doi:10.18429/JACoW-IPAC2025-MOPS003

0 of 50

sampled DOIs give a usable JACoW reference

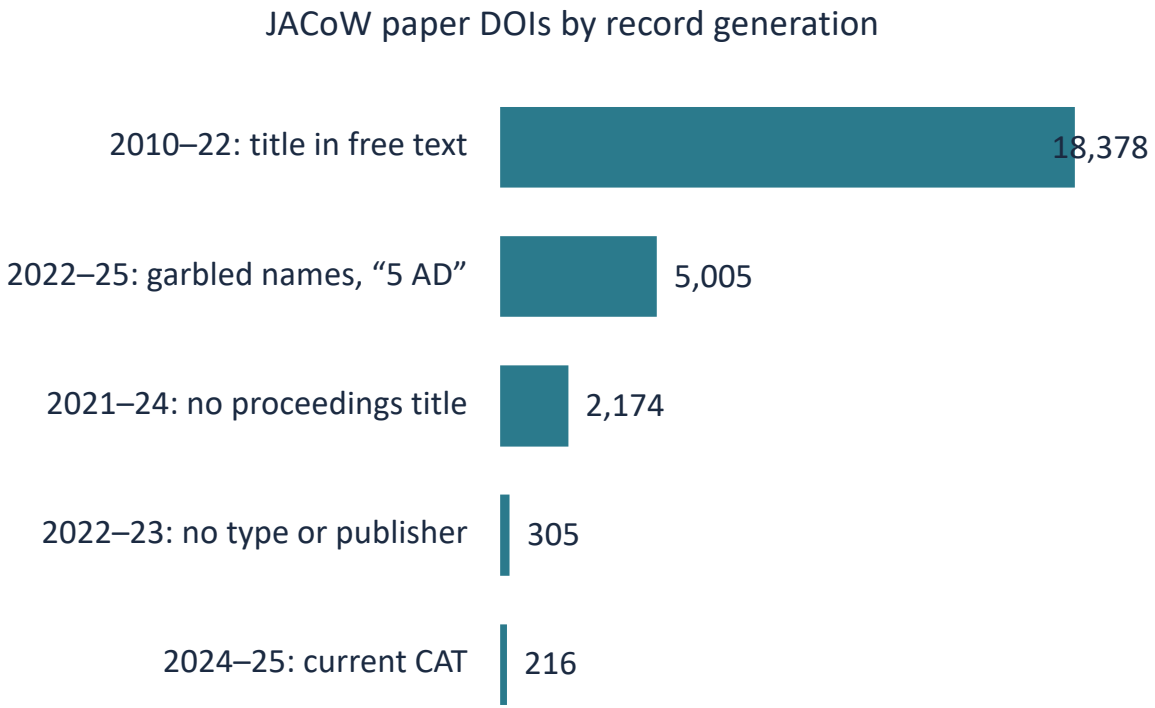
26,164

JACoW DOIs checked, all of them

0

DOI records with page numbers

Five generations of records, none of them right



5,005

print the year as “5 AD” or similar, with names like “Spear,Bethany”

18,378

put the venue country where the pages go: “p. Denmark”

216

registered in 2026 still lack the proceedings and pages

It's not one bug, it's every layer

[1]

DOI records

No page numbers anywhere, mostly no proceedings title, and 5,000 records with broken names and years.

[2]

Reference exports

Part of each proceedings site. Et al. after 3 authors instead of 6, wrong status text, and the templates never get updated.

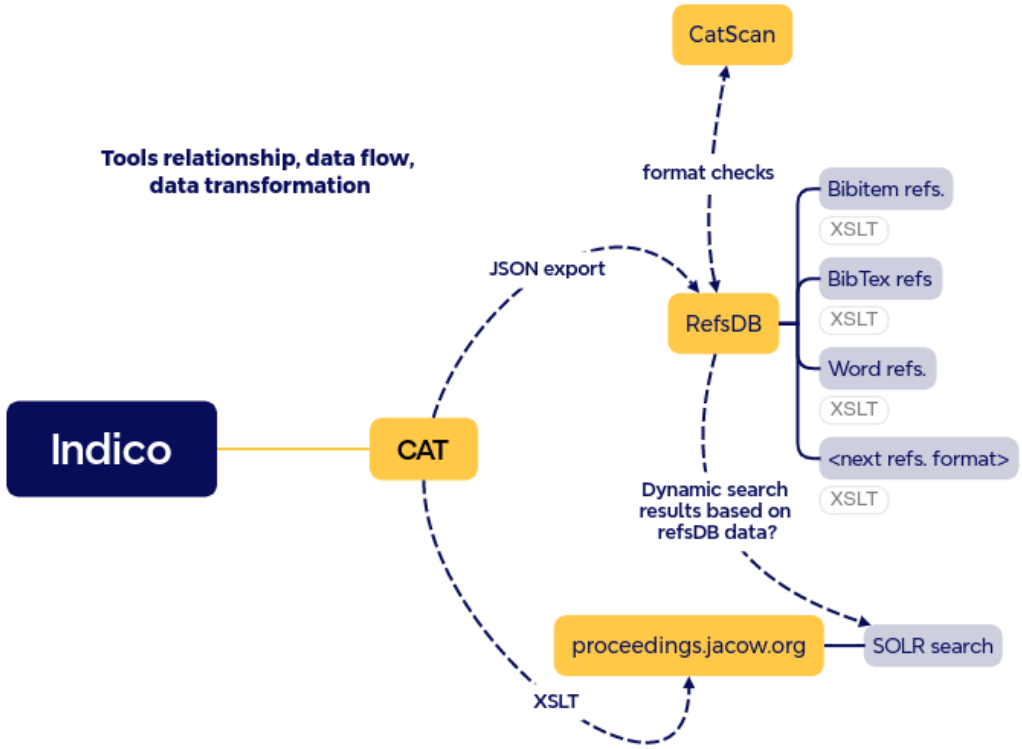
[3]

Style guides

The Word and LaTeX guides don't fully agree. They are being replaced by one guide, the JUStG.

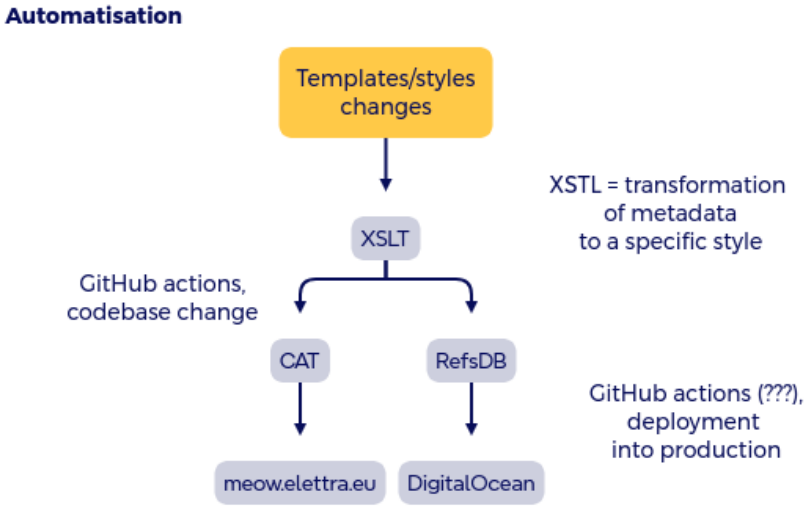
The good news: CAT already has most of the missing data. We just don't send it.

One record per paper, everything else generated



Fix it once at the source, and every output gets it.

One record per paper, everything else generated



Thanks to Ivan for the pretty pictures

Generators first, then the old DOIs

[1]

Inventory

List every DOI, see what's broken where

[2]

Fix the generators

CAT sends complete records; templates fixed

[3]

Pilot

One old, one new conference, on DataCite test first

[4]

Roll out

All past DOIs, newest first

Alongside: better source data in Indico. ORCID iDs for authors, affiliations linked to ROR, and a check before final proceedings so we catch gaps early.

No dates yet. That depends on the CAT and Indico maintainers.

One track of a two-year roadmap

	Window 1 Dec 26–Jan 27	**2027 season** Conferences	**Window 2** Dec 27–Jan 28	**2028 season** Conferences	**Window 3** Dec 28–Jan 29
A. One source	ORCID and ROR in Indico, prefilled paper templates, automatic title and author warnings				
B. References and DOIs	JUStG reference rules; complete DOI records from CAT; exports fixed	DOI back-fill pilot; CSL style submitted	All past DOIs corrected	Reference Search Tool on clean data	
C. Instructions	One style guide (JUStG), rule set, Cat Scan and templates follow it				
D. Sustainability	Tool owners, JICT policy, Cat Scan hosting, handover docs				

The other tracks are in the roadmap document.

1. Raise the change requests with the CAT and Indico maintainers
2. Match each record generation to the tool that made it
3. Pilot, then come back to you before touching past DOIs