

When the Processing Slips Learned to Move...

Healing the Media Break

Alexander Wagner
Karlsruhe, 5--9 October 2026

HELMHOLTZ



Overview



- > DESY Library
- > The Final Boss
- > Ingredients
- > Process
- > One Click to Rule Them All



- > DESY = Large-scale facilities
3000 staff, €350M/a, 90% federal / 10% state funding
Particle, synchrotron, accelerator, astroparticle physics
- > Specialised library for the Natural Sciences
- > 100,000 volumes (45,000 titles in catalogue)
- > <https://library.desy.de>

- > Classification: DDC
- > Locations:
 - Hamburg (DE-H253)
 - Zeuthen (DE-B524)
 - European XFEL

HH	ZEU
005. 133 Perl Wal	005. 133 Perl Wal

Founding partner of JOIN²



The Final Boss: Processing Slips Healing the Media Break

- > Short title cataloguing (for when the slip leaves the book...)
- > Printable (on real paper...)
- > Fillable by hand (with pencil)
 - Text fields
 - Checkboxes
 - Radio buttons
 - Free space (for notes)

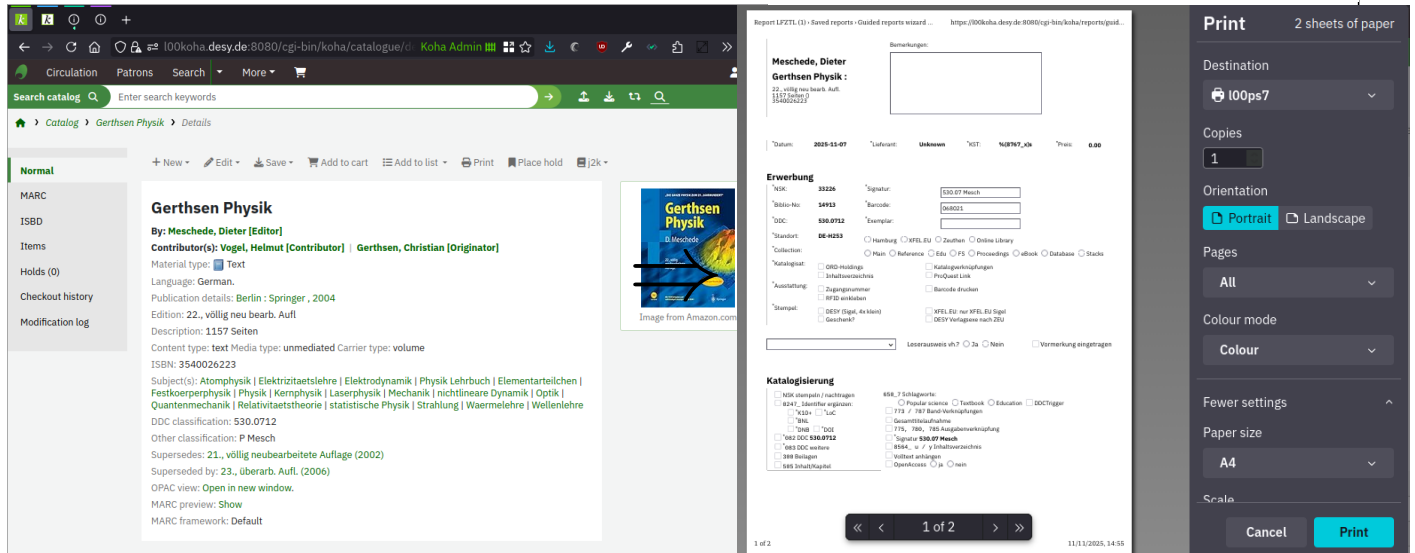
Many values already in the
bibliographic record

(In JOIN²: libRichForms.py)

Bemerkungen:	
Meschede, Dieter Gerthsen Physik : 22., völlig neu bearb. Aufl. 1197 Seiten (I) 3540026223	
*Datum:	2025-11-07
*Lieferant:	Unknown
*KST:	%(8767_x)s
*Preis:	0.00
Erwerbung	
*NSK:	33226
*Biblio-Nr:	14913
*DDC:	530.0712
*Standort:	DE-H253
*Collection:	☐ Hamburg ☐ XFEL.EU ☐ Zeuthen ☐ Online Library ☐ Main ☐ Reference ☐ Edu ☐ FS ☐ Proceedings ☐ eBook ☐ Database ☐ Stacks
*Katalogisat:	☐ ORD-Holdings ☐ Katalogverknüpfungen ☐ Inhaltsverzeichnis ☐ ProQuest Link
*Ausstattung:	☐ Zugangsnummer ☐ Barcode drucken ☐ RFID einkleben
*Stempel:	☐ DESY (Sigel, 4x klein) ☐ XFEL.EU: nur XFEL.EU Sigel ☐ Geschenk? ☐ DESY Verlagsexemplare nach ZE
Leserausweis v.h.? ☐ Ja ☐ Nein ☐ Vormerkung eingetragen	
Katalogisierung	
☐ NSK stempeln / nachtragen ☐ 0247 Identifizierung ergänzen: ☐ K10+ ☐ LoC ☐ BNL ☐ ONB ☐ DOI ☐ 882 DDC 530.0712 ☐ 883 DDC weitere ☐ 398 Beilagen ☐ 595 Inhalt/Kapitel	
650..7 Schlagworte: ☐ Popular science ☐ Textbook ☐ Education ☐ DDCTrigger ☐ 773 / 787 Band-Verknüpfungen ☐ Gesamttitelaufnahme ☐ 775, 786, 785 Ausgabenverknüpfung ☐ Signatur 530.07 Mesch ☐ 8564, u / y Inhaltsverzeichnis ☐ Volltext anhängen ☐ OpenAccess ☐ ja ☐ nein	



With as little manual effort as possible...



Idea: 🍋 Report + 🍋 Run with template

NEW 23.11



Ingredients

> 🍋 Reports (→ 🍋 Permission: 🍋 Execute SQL

Report)

Select the data from a
bibliographic record

> 🍋 Tools / 🍋 Notices and Slips

Formatting into the processing slip

> (🍋 Plugin)

Streamlines the process



automatic setup

But: not rocket
science

You can set it up by hand too!

- > How do report and bibliographic record find each other?
- > Which permissions are required?
- > How is the slip built?



Report

- > Data from `biblio`^{SQL}, `biblioitems`^{SQL}, `items`^{SQL} and `biblio_metadata`^{SQL}
- > Possible Basis: `barcode`^{SQL}, `biblionumber`^{SQL}
- > `ExtractValue()` for special Fields (e. g. `ddc`)

SQL

```
SELECT biblio.*, biblioitems.*, items.*,
       ExtractValue(biblio_metadata.metadata, '//datafield[@tag="035"]/subfield[@code="a"]') AS nsk,
       ExtractValue(biblio_metadata.metadata, '//datafield[@tag="082"]/subfield[@code="a"]') AS ddc,
       ExtractValue(biblio_metadata.metadata, '//datafield[@tag="083"]/subfield[@code="a"]') AS oddc
FROM items
  LEFT JOIN biblioitems  on (items.biblioitemnumber=biblioitems.biblioitemnumber)
  LEFT JOIN biblio       on (biblioitems.biblionumber=biblio.biblionumber)
  LEFT JOIN biblio_metadata on (biblio_metadata.biblionumber=biblio.biblionumber)
WHERE biblio.biblionumber IN <<Biblionumber|list>>
```



Notices and slips

- > Templates for data formatting

- > One tab per output for

Print, **eMail**, **SMS**

- > **TemplateToolkit** for functionality

- > Category per module

- > 23.11

Category **Reports**

- > 24.05

Tab **Format** for styling

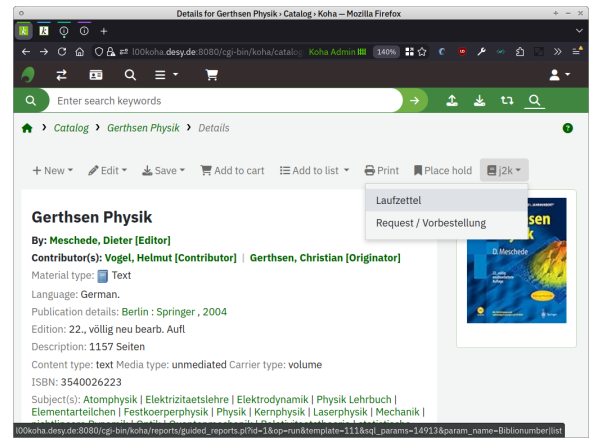
(Inline CSS is also possible)

```
[%- USE KohaDates -%]
[% FOREACH b IN data %]
<link href="https://fonts.googleapis.com/css?family=Libre+Barcode39" rel="stylesheet">
<style> <!-- inline-css here -->
  @media only print { <!-- ... --> }
</style>
<div style="background: white">
<fieldset><table class="fullwidth">
  <tr>
    <td>&nbsp;</td> <td>Remarks:</td>
  </tr>
  <tr>
    <td>
      <h2>[% b.author %]</h2>
      <h2>[% b.title %] : [% b.subtitle %]</h2>
      [% b.editionstatement %]<br/>
      [% b.pages %] ([% b.publicationyear %])<br/>
      [% b.isbn %]
    </td>
    <td><textarea rows="10" cols="40"></textarea></td>
  </tr>
</table></fieldset>
<fieldset><table class="fullwidth">
  <tr>
    <td><sup>*</sup>Date:</td><td><b>[% b.datecreated %]</b></td>
    <td><sup>*</sup>Supplier:</td><td><b>[% b.booksellerid %]</b></td>
    <td><sup>*</sup>Cost centre:</td><td><b>[% (8767_x)s</b></td>
    <td><sup>*</sup>Price:</td><td><b>[% b.price %]</b></td>
  </tr>
</table></fieldset>
<!-- ... -->
</div>
[% END %]
```



Run manually → One Click to Rule Them All

- 1 🐼 Reports
- 2 🐼 Use saved
- 3 Select Processing Slip (the report)
- 4 🐼 Run (scroll right...)
- 5 Enter Barcodes /
🐼 biblionumbers
- 6 🐼 Run the report
- 7 Result table
- 8 🐼 Run with template
- 9 Select Processing Slip (the slip)
- 10 Ctrl-P



richforms Plugin: Prerequisites

- > 🐼 Permissions: 🐼 Execute SQL reports
- > 🐼 Authorized values:
 - 🐼 Report group: RICHFRM
 - 🐼 Report subgroup: CAT
- > 🐼 Report:
 - 🐼 Name = Slip-name
 - 🐼 Group RICHFRM
 - 🐼 Subgroup CAT
- > 🐼 Slip
 - 🐼 Name = Report-name
 - 🐼 Group RICHFRM
 - 🐼 Subgroup CAT
 - 🐼 Module 🐼 Reports
 - 🐼 Print-Element (JS in HTML)

- > Group to filter relevant parts
- > Subgroup defines the hook used
- > Name for menu entry
- > Constructing a call URL

(Directly to the slip, JS triggers print)



Consistent setup via
InstallKoha / UpdateKoha



Thank you!

Contact

Deutsches Elektronen-
Synchrotron DESY

www.desy.de

Alexander Wagner
 0000-0001-9846-5516
Central Library
alexander.wagner@desy.de
+49-40-8998-1758
[10.3204/PUBDB-2026-02836](https://doi.org/10.3204/PUBDB-2026-02836)



Typeset by lual^AT_EX

