

# XML Package Maker (XPM)

It is a tool to generate XML packages for SciELO and PMC.

## How to use

Use the Windows menu to open the program.

images/scielo\_menu\_xpm.png

images/xpm\_gui.png

Select the folder which contains XML package files

images/xpm\_gui\_selected\_folder.png

Press **XML Package Maker**.

Or, to execute Package Maker via command line, open the terminal and go to the folder where the program is installed:

images/mkp-pkm-dos.jpg

Then type:

```
python xml_package_maker.py <xml_package_folder>
```

images/mkp-pm-cmd.jpg

## Results

- XML files for SciELO (scielo\_package and/or scielo\_package\_zips folders)
- XML files for PMC (pmc\_package folder)
- report files (errors folder)

The output folder (0103-2070-ts-08-02\_xml\_package\_maker\_result) is generated in the same folder in which contains the input folder (0103-2070-ts-08-02)

images/xpm\_result\_folders.png

## Reports

After finishing the processing the reports are displayed in a Web browser.

Switch between the tabs.

## Summary report

### Validations Statistics

Presents the total of fatal errors, errors, and warnings, found in the whole package.

#### FATAL ERRORS

represents errors related to Bibliometrics Indicators.

#### ERRORS

represents other types of errors

#### WARNINGS

represents something that needs more attention

images/xpm-report.png

## Detail report

### Detail report - package validations

Fist of all, XPM validates some package's data:

- Some data must have same value in all the XML files, such as:

- journal-title
- journal id NLM
- journal ISSN
- publisher name
- issue label
- issue pub date

- Some data must have unique value in all the XML files, such as:

- doi
- elocation-id, if applicable
- fpage and [fpage/@seq](#)
- order (used to generated article PID)

Example of fatal error because of different values for publisher-name.

\_images/xml\_reports\_toc\_fatal\_error\_required\_equal\_publisher.jpg

Example of fatal error because of different values for pub-date.

\_images/xml\_reports\_toc\_fatal\_error\_required\_equal\_date.png

Example of fatal error because unique value is required

\_images/xml\_reports\_toc\_fatal\_error\_unique.png.jpg

## Detail report - documents' validations

Presents the documents in a table.

The columns order, aop pid, toc section, @article-type are highlighted because contains important data.

The column **reports** contains **buttons** to open/close the detail reports of each document.

Each row has the document's data

\_images/xpm\_report\_detail.png

## Detail report - Validations

Click on **Data Quality Control** to view the problems. The detail report is displayed below the row

\_images/xpm\_report\_detail\_validations.png

## Folders/Files

Displays the files/folders which are inputs and outputs.

\_images/xpm\_report\_folder.png

## Overview report

### Overview report - languages

Displays the elements which contains @xml:lang.

\_images/xpm\_report\_overview\_lang.png

### Overview report - dates

Displays the dates found in the document: publication and history. Displays the spent time between received and accepted, accepted and published, accepted and the present date.

images/xpm\_report\_overview\_date.png

## Overview report - affiliations

images/xpm\_report\_overview\_aff.png

## Overview report - references

images/xpm\_report\_overview\_ref.png

## Sources report

images/xpm\_report\_sources.png

images/xpm\_report\_sources\_journals.png

images/xpm\_report\_sources\_books.png

images/xpm\_report\_sources\_others.png

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