



Czech Digital Mathematics Library

powered by
DSpace & Manakin

DML-CZ

The aim of the **DML-CZ** project is to ensure availability of mathematical literature which has been published throughout history in the Czech lands.

Partners

- Academy of Science of the Czech Republic
- Masaryk University, Brno
- Charles University, Prague

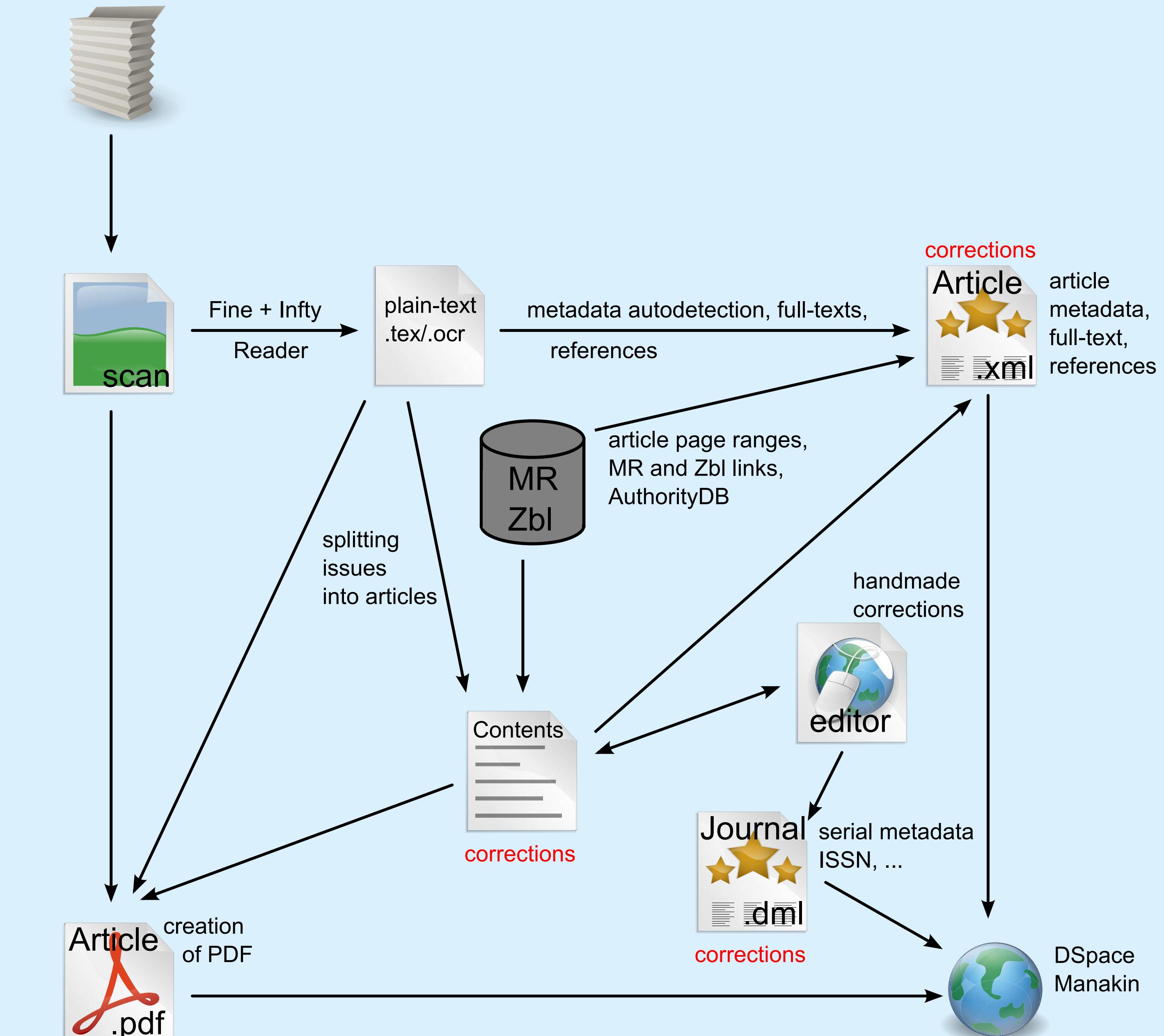
Statistics

- 8 journals (2 already in DSpace), 19th – 20th century
- over 11 000 articles
- more than 148 000 pages

From scanned images to articles

- building *Journal* → *Volume* → *Issue* → *Article* structure
- application of advanced OCR techniques (FineReader, InftyReader)
- autodetection of descriptive metadata from external databases (MathSciNet, ZentralBlatt MATH) and/or from OCR
- manual correction of descriptive metadata
- references identification and processing
- generating PDF files on the article level
- export of articles and metadata into DSpace

URL: <http://dml.cz/>



DML-CZ in DSpace Manakin

DSpace together with **Manakin** are the solutions that can meet our goal – to present DML-CZ to end users.

DSpace

- DML-CZ structure
Journal → *Volume* → *Issue* → *Article*
- imported into DSpace
Comm → *Comm* → *Collection* → *Item*
- presented via Manakin

Manakin

Two new artifacts:

- horizontal navigation
Previous | *Up* | *Next*
- MSC (Mathematics Subject Classification) hierarchy

Almost all other things are done via XSL, JavaScript and CSS.

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