



EuDML – The European Digital Mathematics Library

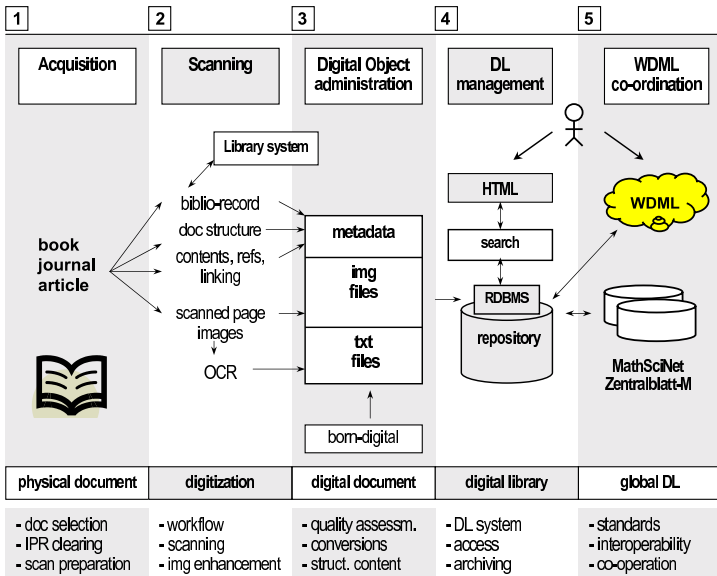
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ICT Brokerage, Elevator Pitches, Apr 30th, 2009

Why EUDML?

- Google Scholar $\parallel_{\text{peer_reviewed_math}}$ but better!
- Vision of World Digital Math Library (WDML) that will bring the enduring mathematical legacy to researchers (and students) worldwide. EUDML project step towards WDML.
- High quality, checked content, crosslinking via reviewing databases Zentralblatt MATH or Mathematical Reviews (more than 2,500,000 reviewed articles)
- Estimation of 100,000,000 pages in total only (able to be cleverly stored in a pocket size portable disc today).
- **eContentplus** trial unsuccessful: a new one in FP7 ICT PSP Call 3 (deadline June 2nd) or other ICT calls.
- Partners with math OCR and other problem areas expertise, math content providers sought.



acquisition preparation, document acquisition, copyright issues handling;

scanning document scanning (1/5 of the budget only) main metadata entering, scanning checks;

image processing OCR (including math formulae), image enhancements.

semantic processing document markup enhancement, semantic processing, document classification, citation linking, document clustering, math indexing and representation, ontologies, e-learning;

delivery and presentation visualization techniques of document repository, digital library web portal, interfaces to other services and search engines for the semantic based document processing/delivery.

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