

## EuDML: Accessing Europe's mathematical treasures

*6ECM panel discussion*

*Laurent Guillopé (Université Nantes)*

*Marek Niezgódka (University of Warsaw)*

*Olaf Teschke (Zentralblatt MATH, FIZ Karlsruhe)*

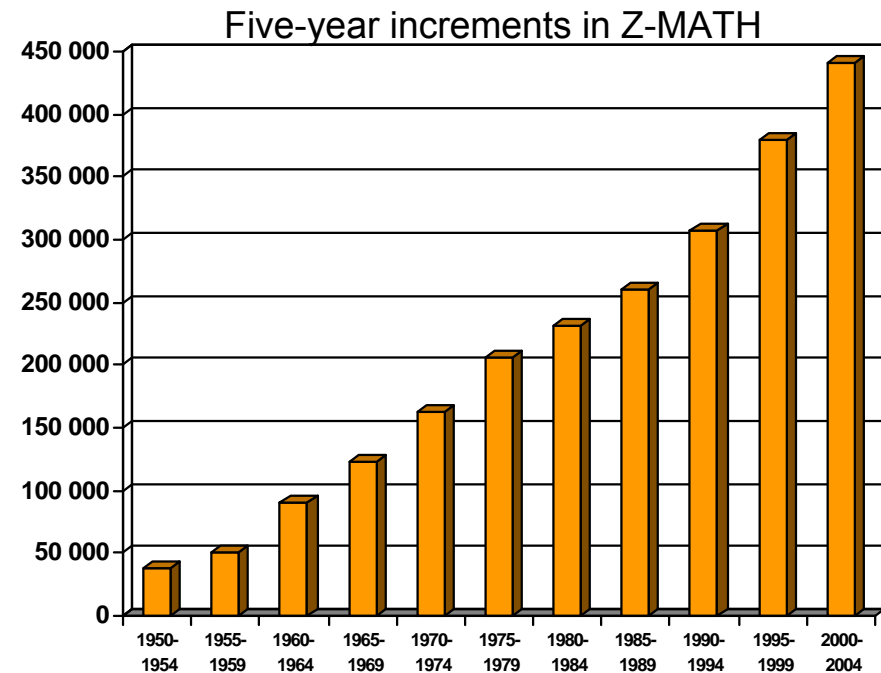
*Jiří Rákosník (Institute of Mathematics AS CR, Praha)*

Mathematics is beautiful:  
What was true yesterday  
is still true today.

*Jaroslav Kurzweil*

## Mathematical literature is ever growing

- Mathematical validated literature is an edifice whose individual building blocks remain in the construction for ever
- Permanently accelerating growth
  - < 10 % before 1900
  - > 70 % after 1950
- > 100 000 new publications a year
  - 49 645 new items in Z-MATH since the beginning of 2012



## Vision 2008

**Thierry Bouche** (Cellule MathDoc, Université Joseph Fourier, Grenoble):

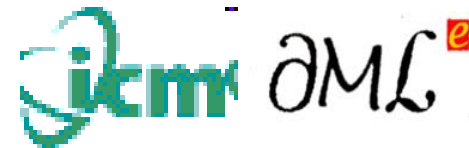
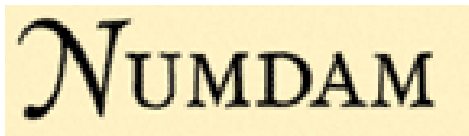
We need a Digital Mathematics Library that will

- assemble **as much as possible** of the digital mathematical corpus
- help **preserving** it over the long term,
- make it **available online**, possibly after some embargo period (**eventual open access**)
- have the form of an **authoritative** and **enduring** digital collection
- continuously **grow** with new content supplied by publishers
- be **augmented** with sophisticated search interfaces and interoperability services
- be developed and curated by a **network of institutions**.

The solution: **EuDML** as pilot implementation with content from 12 European partners

## The solution: EuDML

- as pilot implementation with content from 12 European partners



*Publishing partner of the scientific communities*

- Revista Portugalie Math.
- IMI-BAS
- Ελληνική Ψηφιακή Μαθηματική Βιβλιοθήκη (HDML)



bdim: Biblioteca Digitale Italiana di Matematica

Un progetto [SIMAI](#) e [UMI](#)



## EuDML development

- EuDML beta (May 2012)
- Project ends in January 2013
- Measures are taken for sustainability and development
- EuDML as a basis for WDML?

## Panelists

- Laurent Guillopé (Université Nantes) – NUMDAM
- Marek Niezgódka (University of Warsaw, ICM) – DML-PL
- Olaf Teschke (Zentralblatt MATH, FIZ Karlsruhe) – ZMATH
- Jiří Rákosník (Institute of Mathematics AS CR, Praha) – DML-CZ