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# Berlin 4 Open Access Conference

## From Promise to Practice

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# Overview

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- The Berlin Declaration, a short review
- What the MPG has done towards OA
  - Info steering committee
  - Open access publications
    - journals and repositories
  - New infrastructure: the eSciDoc Project
  - New organization: the Max-Planck Digital Library



## Berlin Declaration (Oct 2003)

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Main result of Berlin 1 conference

**Make scientific work (complete work plus supplemental materials) openly accessible in a repository or an open access journal**

Because it will increase the impact of science on society and science

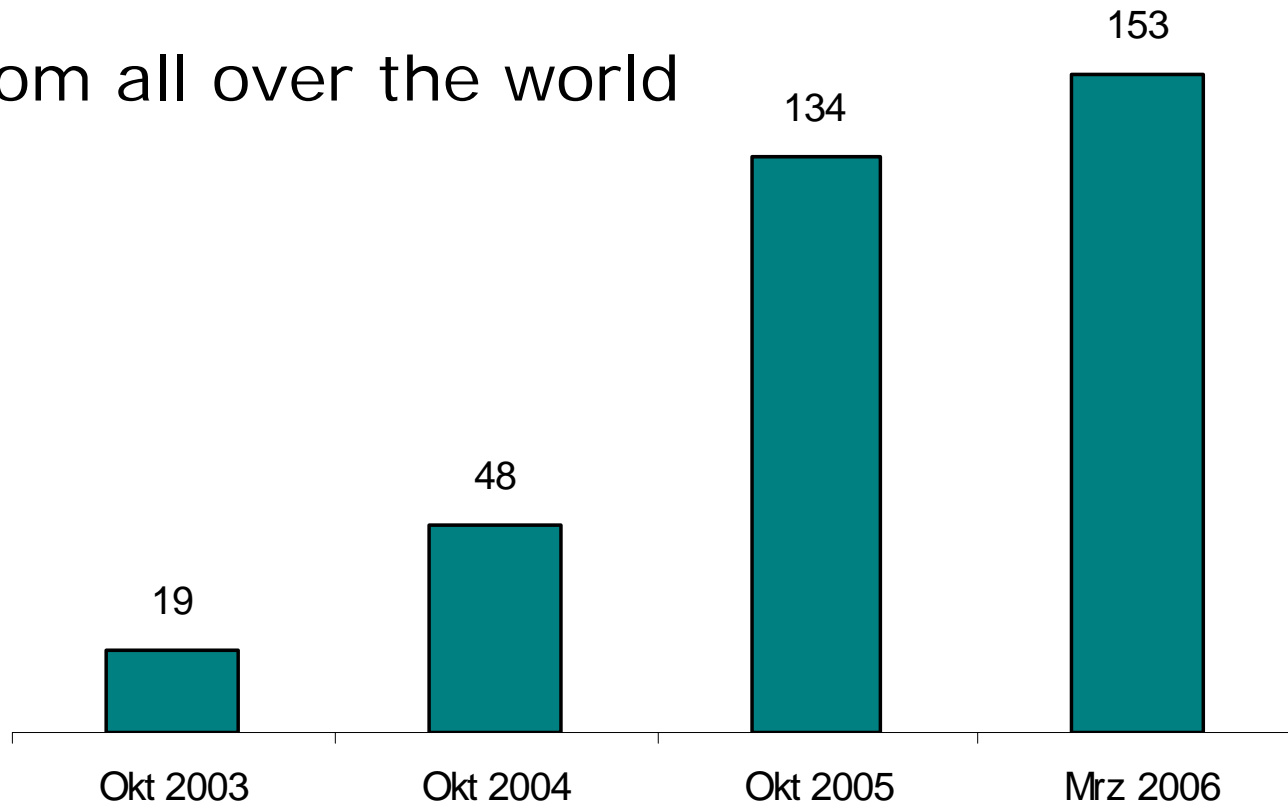
19 initial signatories



# Berlin Declaration

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153 signatories  
from all over the world



## New Signatories (in 2006)

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- Roskilde University, Denmark
- National Library of Sweden
- Freie Universität Berlin, Germany
- **Rectors' Conference of the Swiss Universities (CRUS)**
- Council of the Swiss Scientific Academies (CASS)
- **Swiss National Science Foundation (SNSF)**
- Swiss Conference of Schools for Teacher Education (SCTE)
- Conference of the Universities of Applied Sciences Switzerland (CUAS)
- **Spanish National Research Council (CSIC)**
- ETH Zurich, Swiss

The concept of open access is now widely accepted in academia, but it is far from being reality. Most scientific results are not openly accessible.



# Beyond Declarations

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„Words have been interchanged enough,  
Let me at last see action too.“  
(J.W. Goethe, Faust)

Der Worte sind genug gewechselt,  
lasst mich nun endlich Taten sehen

What did MPG do since 2003 to make OA  
real?



# MPG's Institutional Commitment

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sInfo (scientific information) Steering Committee at high executive level

chaired by vice president

- sInfo = provide MPG with first class information services including OA
- identify organizational, legal and technical challenges
- initiate and approve strategy and concrete OA projects
- Ad-hoc committee existed since 2000



# Concrete OA Projects

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- Support Open Access Journals
  - As editors, e.g., A. Bradshaw and E. Bodenschatz
  - As authors, e.g., T. Hänsch
  - As institution, central payment of article charges
- Make old articles available to the public
  - Heidelberg Journal of International Law
  - of individuals
- New OA journals: Living Reviews Series
- Make Cultural Heritage Collections available

LIVING  REVIEWS  
*in relativity*





# Heidelberg Journal of International Law

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- „Zeitschrift für ausländisches öffentliches Recht und Völkerrecht“
- Founded 1929
- Issues 1929-2003 freely available
  - Since January 1, 2006
  - More than 63.000 pages
  - [www.zaoerv.de](http://www.zaoerv.de)
  - [www.hjil.de](http://www.hjil.de)
- Max Planck Institute for Comparative Public Law and International Law



# Old Publications of Individuals

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3

K. Mehlhorn.

[Nearly Optimal Binary Search Trees.](#)

*Acta Informatica*, 5:287-295, 1975.

2

K. Mehlhorn.

[The 'Almost All' Theory of Subrecursive Degrees is Decidable.](#)

In *Proceedings of the 2nd International Colloquium of Automata, Languages and Programming (ICALP'74)*, volume 14 of *Lecture Notes in Computer Science*, pages 317-325. Springer, 1974.

1

K. Mehlhorn.

[On the Size of Sets of Computable Functions.](#)

In *Proceedings of the 14th IEEE Symposium on Automata and Switching Theory*, pages 190-196, 1973.



# Self-Archiving

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The MPG **encourages** self-archiving of research results in institutional or disciplinary open access archives

- The eDoc server is the institutional repository of the MPG
- eSciDoc will replace and extend eDoc



# How to encourage ?

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- Open access has a natural appeal to most scientists
- Make it simple: 15 minutes work for the scientist per publication
  - Pilot institutes establish workflow
  - Resolve legal issues
- Make it rewarding to the scientist by increasing the visibility of his/her work and hence the recognition
- Add a little bit of force



# Make it Simple and Rewarding

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- OA Pilot Institutes
  - Analyse publication behaviour of scientists in MPIs from different disciplines
  - Evaluate new publishing workflows (including Creative Commons license)
  - Gain experience with respect to institutional repository
    - organisational measure
    - technical improvements
- Export data from repository to search engines, e.g., Google Scholar



# Make it Simple: Copyright Issues

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- Today
  - most of our researchers sign the copyright statements provided by publishers and without reading them
  - some change the copyright statements or send back a more OA-friendly agreement
  - experience by second group is positive
- Negotiations with publishers about more OA-friendly agreements are difficult
- Next step: provide our scientists with OA-friendly agreement and encourage them to send it back



## And a little bit of force: MPG's Annual Report

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The *Jahrbuch* of the Max Planck Society contains reports from all the Max Planck Institutes on their research activities as well as a bibliography of the scientific publications

- Only those publications will be included into the *Jahrbuch* for which at least metadata are available on [eDoc](#)
  - All institutes have to use the IR
- The annual report 2005 lists ~ 12.000 publications and hence [eDoc collection](#) grew by 12.000 meta data entries (10% full text)
- eDoc reaches its limits



# New Infrastructure: eSciDoc

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Integrated platform for scholarly information and dissemination, scholarly work at the desk and at the bench, scholarly collaboration and OA publication

- MPG / FIZ Karlsruhe
- Partially funded by BMBF
- Four pillars: publication management, scholarly workbench, electronic library, lab journal





# Publication Management

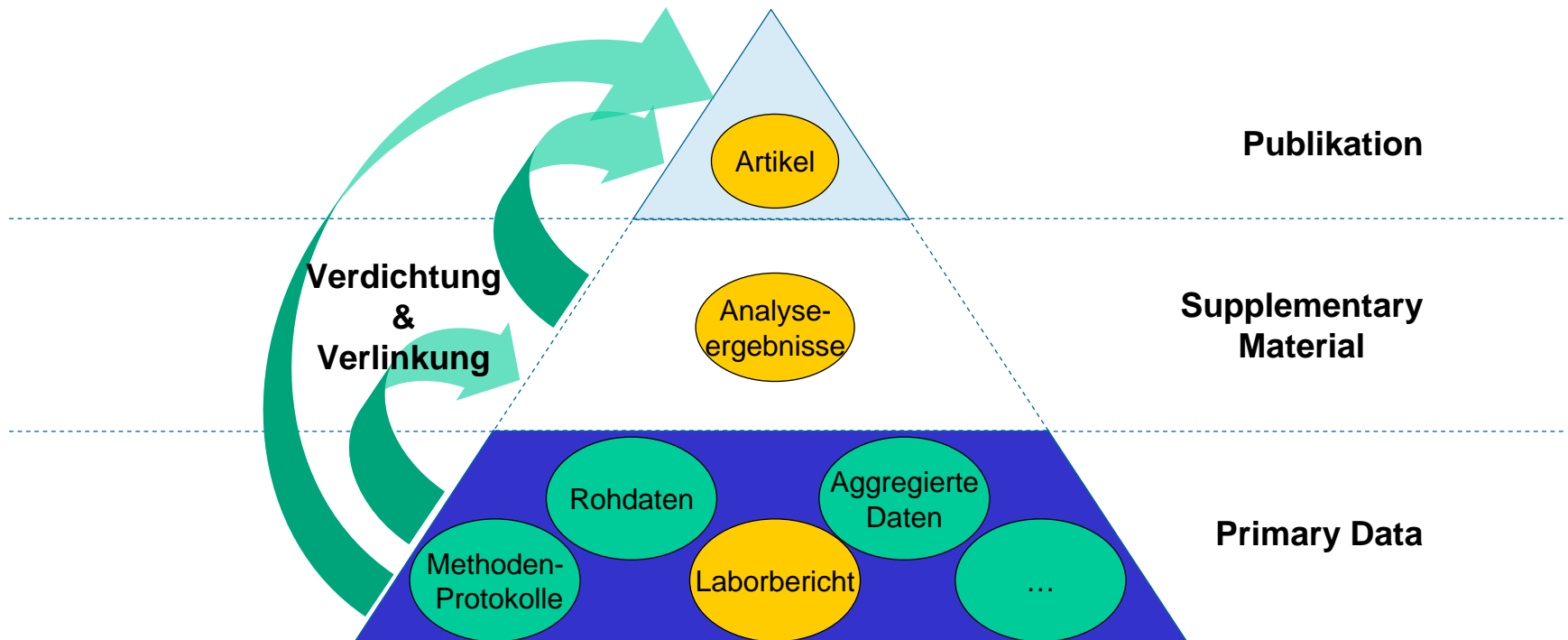
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Publication Management unterstützt Wissenschaftler und Institute bei der strukturierten Erfassung, Verbreitung und Archivierung des Forschungsausgangs inklusive Supplementary Material via Open Access.

- Workflow für Open Access Publikationen
- Management von Publikationen mit Supplementary Material
- Kooperative Annotationen
- Nicht-textuelle Suchen, z.B. mathematische Formeln
- Standardisierte offene Schnittstellen zum Austausch von Content (Open Access)
- Zitations- / Downloadstatistiken
- Vorarbeiten: eDoc 1 – Publikationsserver
- Piloten: Molekulare Genetik, Chemische Ökologie, Informatik  
Fritz-Haber-Institut, Gravitationsphysik



# Beispiel: Dokumentation von Experimenten, Supplementary Material



eSciDoc verbindet Publikation mit Supplementary Material und sichert damit das Know-How und die Reproduzierbarkeit von Experimenten.



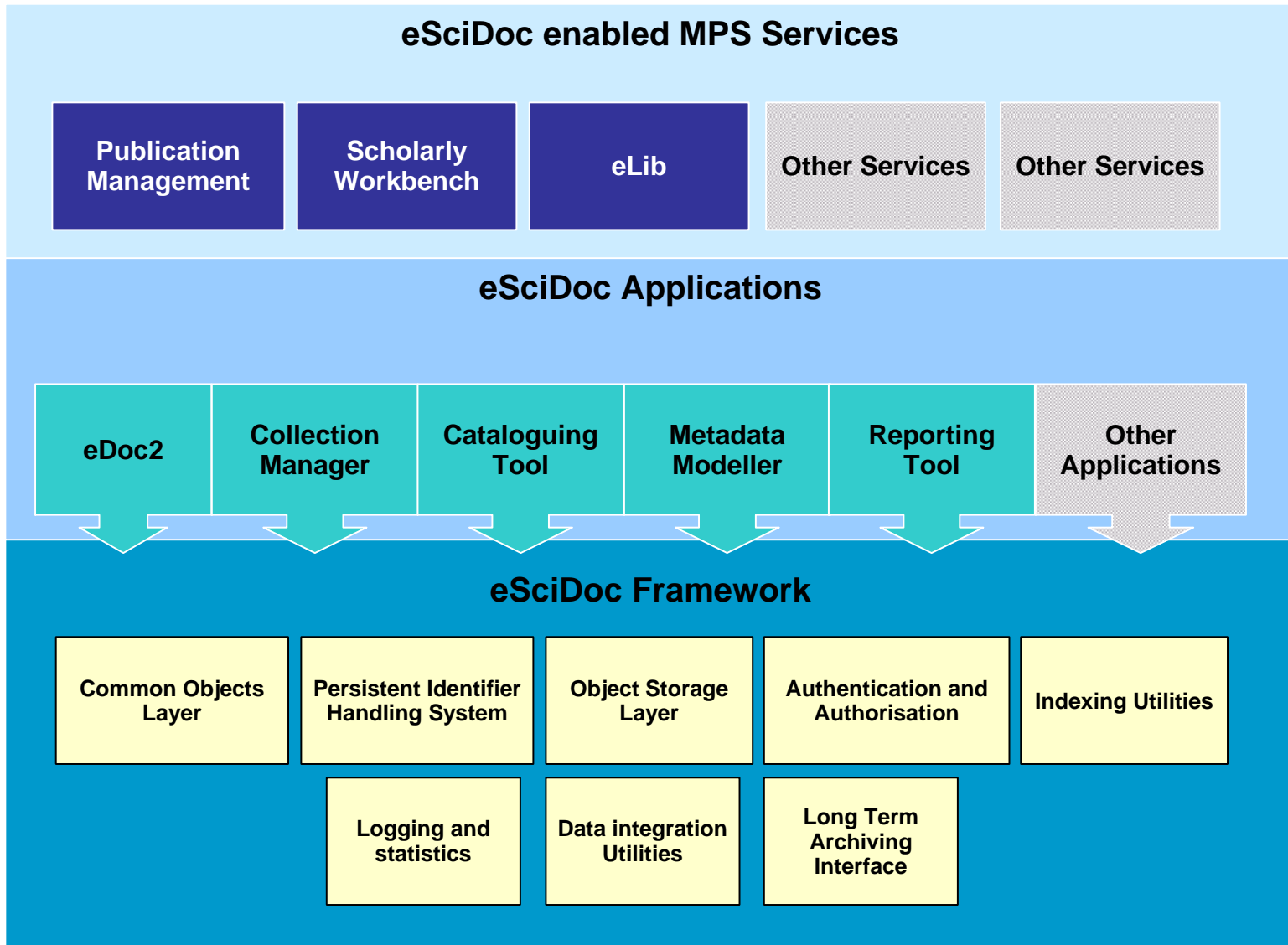
# Scholarly Workbench

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Scholarly Workbench ermöglicht Wissenschaftlern und Instituten die forschungsspezifische Erschließung, Aufbereitung und Bearbeitung von bisher schwer zugänglichen Materialien

- Kooperative Arbeit mit digitalen Sammlungen
- Annotation Sharing
- Language Technologies
- Verlinkung und Integration von digitalen Sammlungen, Publikationen,...
- Basis für innovative Publikationsformen
- Vorarbeiten: ECHO Projekt des MPIs Wissenschaftsgeschichte
- Piloten: Wissenschaftsgeschichte, Bibliotheca Hertziana





# Max Planck Digital Library

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- A new service unit for digital information services
  - Approved by MPG-Senate in March 06, search for head under way
  - Based on existing units:
    - Electronic library services
    - Information provision services
    - Nixdorf Centre for Information Management
  - Tasks
    - Strategic Planning
    - Provide services
    - Develop new services in cooperation with our scientists



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Thank you



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