

***PEER Overview***  
***provided by Norbert Lossau, Göttingen***

***Knowledge Exchange, Fredensborg, DK, 30 October 2009***



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## Purpose of PEER

**PEER has been set up to monitor the effects of systematic archiving of ‘stage two’ research outputs:** the version of the author’s manuscript accepted for publication (NISO - Accepted Manuscript)

- Publishers and research/library/repository community collaborate
- Develop an “observatory” to monitor the impact of systematically depositing stage-two outputs on a large scale (max. 50-60,000 articles)
- Gather hard evidence to inform future policies

# PEER Consortium

**The PEER consortium (5 Executive members):**

- International Association of Scientific, Technical and Medical Publishers (STM) - Co-ordinator
- European Science Foundation (ESF)
- Göttingen State and University Library (UGOE)
- Max Planck Gesellschaft (MPG)
- Institut National de Recherche en Informatique et en Automatique (INRIA)

Plus technical partners: SURF & Universität Bielefeld

## Participating Publishers at September 2009

- BMJ Publishing Group
- Cambridge University Press
- EDP Sciences - **new**
- Elsevier
- IOP Publishing
- Nature Publishing Group
- Oxford University Press
- Portland Press
- Sage Publications
- Springer
- Taylor & Francis Group
- Wiley-Blackwell

# Participating repositories

The Repository Task Force has been successfully established with the following six repositories:

- PubMan, Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V. (MPG) <http://dev-pubman.mpdl.mpg.de/pubman/>
- Göttingen State and University Library (UGOE) <http://repository.peerproject.eu:8080/jspui/>
- HAL, Institut National de Recherche en Informatique et en Automatique (INRIA) Centre pour la Communication Scientifique Directe CCSD/CNRS) <http://hal.archives-ouvertes.fr/>
- BIPrints, Uni Bielefeld <http://129.70.12.25/opus4/public/home>
- Kaunas University of Technology, Lithuania <http://peer.elaba.lt/fedora/search>
- University Library of Debrecen, Hungary <http://ganymedes.lib.unideb.hu:8080/udpeer/>
- LTP archive: e-Depot, Koninklijke Bibliotheek, The Netherlands

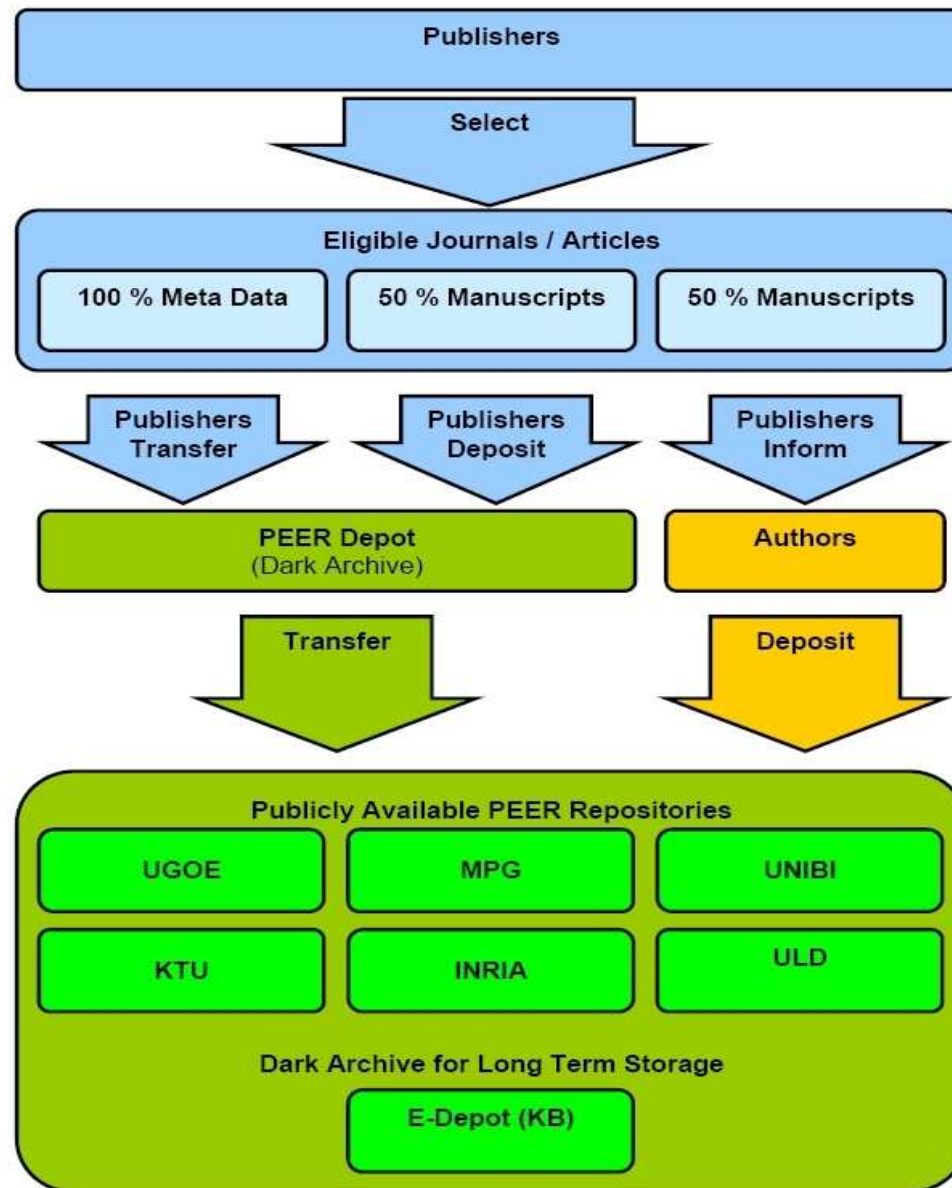
Additionally, a UK-based repository has been invited to better reflect usage of predominantly English language content expected for submission.

## Project focus during Period 1 = 09/2008 – 08/2009

- Establishing the 'PEER Observatory' & supporting project infrastructure
- Commissioning usage & behavioural research
- Raising awareness of PEER within stakeholder communities

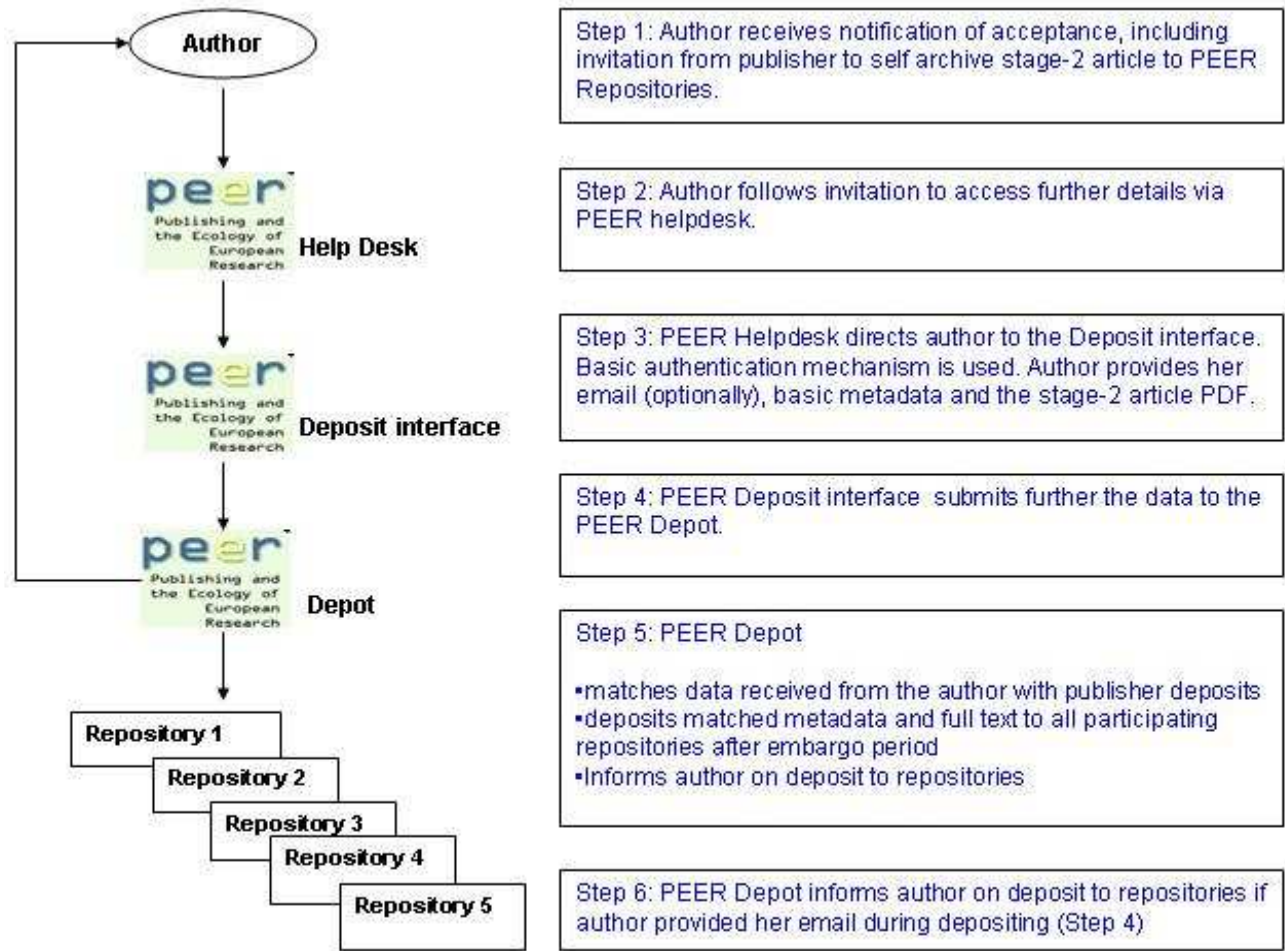
# Achievements in Period 1

- Workflow and infrastructure to enable publisher and author deposits
- PEER Helpdesk and Ticketing System established
- Guidelines for publishers and repository managers on deposit, assisted deposit and self-archiving
  - Standards defined for full text formats and metadata elements (following extensive consultation with participating publishers and repository representatives):
  - Full text articles: to be provided as PDF, with PDF/A-1 preferred
  - Metadata requirements: derived from DRIVER Guidelines





# Content submission – Authors



# Achievements in Period 1

- Two research teams selected who started their work

## Research Oversight Group (ROG)

- **Justus Haucap**, University of Duesseldorf  
Chair: German Monopolies Commission
- **Henk Moed**, Leiden University  
Recipient: Derek de Solla Price Award
- **Carol Tenopir**, University of Tennessee  
Recipient: International Information Industry Lifetime  
Achievement Award

# Behavioural research team & objectives

Department of Information Science and LISU at  
Loughborough University, UK

## Objectives:

- Track trends and explain patterns of author and user behaviour in the context of so called Green Open Access.
- Understand the role repositories play for authors in the context of journal publishing.
- Understand the role repositories play for users in context of accessing journal articles.

# Behavioural research questions (1)

- In seeking information what choices do readers make in locating and selecting sources and in what ways do such choices influence the role played by repositories in information seeking behaviours?
- In publishing research, what choices do authors make in locating and selecting appropriate outlets, and what are the major influences on their choices? Where do repositories fit in the dissemination landscape?
- What common perceptions do readers have in relation to repositories, e.g. quality, authority of versions, and availability, and how do such perceptions influence information behaviours?
- What common perceptions do authors have in relation to repositories, e.g. visibility, impact, and recognition, and how do such perceptions influence publication and dissemination behaviours?

## Behavioural research questions (2)

- Are there identifiable coarse-grained characteristics of authors and readers that influence their behaviour (e.g. institutional type, region, discipline, career status etc.)?
- How do social/institutional factors influence author and reader behaviours (e.g. mandates, embargoes, research cultures)?
- What tensions, if any, exist between institutional (e.g. employer/funder/publisher) policies and practice, and disciplinary norms and practices? In what ways do such tensions influence authors and readers?

# Usage research team & objectives

CIBER group, University College London, UK

## Objectives:

- Determine usage trends at publishers and repositories;
- Understand source and nature of use of deposited manuscripts in repositories;
- Track trends, develop indicators and explain patterns of usage for repositories and journals.

# Usage research questions (1)

## “Commercial” impact of self-archiving

- Will the usage of publisher stage III articles increase, decrease or remain constant over the period of the experiment and to what extent can this be attributed to repository use and access?

## Effects of embargoes

- Will repository stage II manuscripts with an embargo receive less use (and how much less use) than those without an embargo?
- Does the length of the embargo (in different subject areas) have an effect?

## New and different users

- Does the experiment result in the use of articles by groups who might otherwise be not able to access them?



## Usage research questions (2)

### **Different, complementary use**

- Whether repositories and publisher platforms offer different things to readers

### **Diversity**

- To what extent do journal origin and impact factor, subject, article age, date of deposit, referrer link used and repository impact on article use and information seeking behaviour?
- To what extent are there differences between English and non-English language journals and between the various national repositories.

### **Dependencies and intervening variables**

To what extent is the usage data impacted upon by factors which

- a) belong to the landscape of scholarly communication and publishing
- b) are created by the PEER experiment (e.g. the Hawthorn Effect)

# PEER Advisory Board (1)

## Funders:

- Dr Johannes Fournier, DFG, Germany
- Mr Robert Kiley, Wellcome Trust, UK
- Professor Ebba Nexø, Aarhus Universitetshospital, Denmark
- Dr Donald J Waters, Mellon Foundation, USA

## Librarians:

- Dr Paul Ayriss, University College London, UK
- Dr Elisabeth Niggemann, Deutsche Nationalbibliothek, Germany
- Dr Sijbolt Noorda, VSNU, The Netherlands
- Drs. Bas Savenije, Koninklijke Bibliotheek, The Netherlands

# PEER Advisory Board (2)

## Researchers:

- Dr Elea Gimenez-Toledo, CSIC, Madrid, Spain
- Professor Jane Grimson, Trinity College, Dublin, Ireland
- Professor Norbert Kroo, Hungarian Academy of Sciences, Hungary
- Professor Michel Mareschal, L'Université libre de Bruxelles, Belgium

## Publishers:

- Mr Mayur Amin, Elsevier, UK
- Ms Stella Dutton, BMJ Group, UK
- Cliff Morgan, Wiley-Blackwell, UK
- Mr John Ochs, ACS, USA
- Wim van der Stelt, Springer SBM, The Netherlands

## Period 2 activities

- Rapidly increase critical mass of content
  - Number of manuscripts deposited by publishers
  - Initiate invitations to authors for self-archiving as soon as deposit interface finalised
- First research reports available (behavioural, usage)
- Start economics research

# Research

- **Economic Research**
  - Select and appoint research team
  - Finalise research questions and work-plan for deliverable *D6.1 Report on economic research comparing publisher-assisted deposit with self-archiving*
- **Usage research**
  - Monitor logfile provision to ensure sufficient data obtained to validate project
- **Behavioural research**
  - Support second round of behavioural research activities (2010)

## Dissemination & awareness raising (3)

- Hold key event in Spring 2010
  - workshop for research teams with ROG & PEER representatives

Plus

- Advisory Board meeting where all three research teams will present (preliminary) results and forthcoming activities and encourage feedback & discussion