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# Involving and evolving in e-infrastructure for science & research

聂 华 Nie Hua

Peking University Library

2013-10-04 UBC Vancouver

PRDLA Annual Meeting



# Outline



- Where are we from? Since 2012
  - Open Access in the world and in China
  - CHAIR project review and update
- Where are we now in PKU?
  - PKU Institutional Repository-Going alive
  - PKU Journal Online -Social Science & Humanities-get started
- Where to go?



# “What would **scholarly communications** look like if we invented it today?”



<http://cameronneylon.net/blog/what-would-a-scholarly-communications-look-like-if-we-invented-it-today/>

- 2 Models:
  - Golden OA: Open Access journals
  - Green OA: Institutional repository
- OA: from a possible solution of Serials Crisis to a movement of rethinking and recreating scholarly communication





# More Stakeholders:



“Open access to research is a must for the competitiveness of Europe”

~~Neelie Kroes

EU Commissioner for Digital Agenda

New scholarly communication and publishing models are developing at an ever-faster pace, requiring libraries to be actively involved or be left behind.

New publishing models are being explored for journals, scholarly monographs, textbooks, and digital materials, as stakeholders try to establish sustainable models.

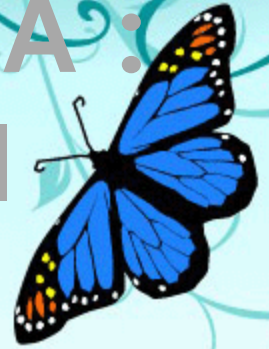
~~2012 top 10 trends in academic libraries

ACRL Research Planning and Review Committee



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# Most recent updates on OA : From National, Union level



- UK : Finch Report, implemented through RCUK
  - ~3% of total articles, from 2013
  - Author pays ( “gold” ) preferred, or manuscript posting ( “green” ) with 6 month embargo if author pays option not available
- EU: EU 2020
  - ~8% of total articles, from 2015
  - Author pays or “green” with 6 month embargo
- Australia : ARC
  - 新开放获取政策于 2013 年 1 月 1 日起生效。要求ARC 资助研究项目产生的任何出版物都必须在出版日期后的 12 个月内存储到开放获取机构知识库中。
- Japan : JST
- USA : OSTP



# Most recent updates on OA : From Publishers



- Elsevier has Open Access with funders, universities and research institutions around the world.
- Both Gold and/or Green Open Access agreements are in place.
- These enable authors to comply with Open Access policies and mandates.

## GOLD AGREEMENTS



- Paid OA solution providing immediate access
- Coupled with delivery to, or deposit in, repositories
- Automation of workflows to streamline author experience
- Reporting to funding organisation on uptake
- Mixed compliance dependent on ease of admin and level of funding
- Currently 16 funding body agreements in place
- Pilots with institutions

## GREEN AGREEMENTS



- OA solution enabling posting of Author Accepted Manuscript to repositories
- Immediate deposit; journal specific embargo period before accessible
- Automation of workflows to streamline author experience
- Ability to coordinate funders & university agreements to support national or regional collaboration
- Currently 7 Green OA Agreements in place



# Most recent updates on OA : From Libraries: Amherst College



1<sup>st</sup> Press : 100% OA and E-only

“In addition to the library’s traditional role of **collecting knowledge**, it will begin **producing knowledge** and facilitating the **free, electronic** distribution of **high-quality literature and scholarship**”. “Our publications will be available to all persons with internet connections, everywhere and all the time.”





# OA in China: Environmental scan

- Lack of awareness & involvement of OA
- OAJ: Barely involved in OAJ practice
- IR:
  - barely started with few IRs and scarce contents
  - Most as experimental instead of practical IRs
  - Lack of promotion and popularizing and...
- Call for leading and organizing by consortium





# CHAIR Project: CALIS 3<sup>rd</sup> phase Institutional Repository Development & Promotion Project



- To promote IR development & implementation in Universities in China
- To promote the institutional visibility & prestige through IRs
- To foster the a set of strategies, policies and practical guidelines of building an IR

**Objectives: A centralized China Academic  
Institutional repository with distributed  
local IR implementation.**



# CHAIR Offers:

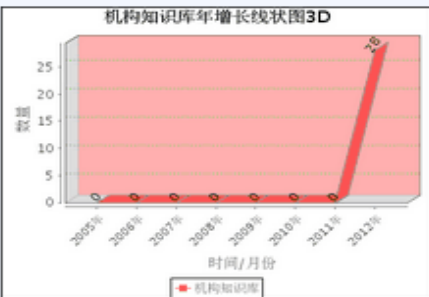
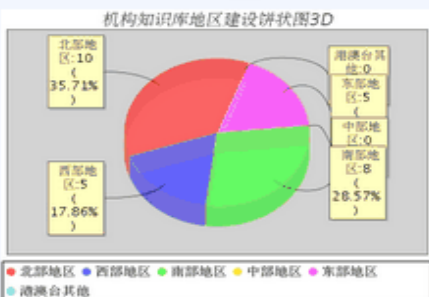


- Open IR Platforms: Central & Local
  - Open, free use for all CALIS member libraries
  - Services: contact: [CHAIR@lib.pku.edu.cn](mailto:CHAIR@lib.pku.edu.cn)
  - technical support and consulting for implementation of CHAIR local IR by Repository developers/ supporters of Leading Libraries
  - resources to sustain CHAIR OSS development
  - Contributes codes back to OSS community, eg. Chinese searching, processing, etc.





统计报表



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北京大学 (5000)

北京邮电大学 (2200)

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南京理工大学 (2008)

浙江大学 (2000)

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云南大学 (2282)

广西建设职业技术学院 (634)

厦门大学 (10000)

贵州民族学院 (2827)

广东工业大学 (0)

深圳大学城 (4036)

集美大学 (9757)

深圳大学 (2109)

### 港澳台其他



# 22 New members of CHAIR



- 武汉大学 (PRDLA)
- 南开大学
- 漳州师范学院
- 中国青年政治学院
- 首都师范大学
- 华东师范大学
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# Where are we now in PKU?

## PKU Institutional Repository



首页 全库检索 教师学者 分类浏览 我的空间 使用指南

### 全库检索

输入关键词、作者、题名...

检索知识

分类浏览：院系单位 作者 题名 主题 出版日期

### 北京大学机构知识库

北京大学机构知识库为北京大学学术研究的成果提供长期、稳定的存储和展示平台，旨在提高北京大学的学术影响力，促进学术交流，并为北京大学的学术成果提供永久、稳定的存储和展示平台。

### 学者推荐



王志军 教授  
信息科学技术学院  
研究领域：电路与系统



林嘉华 经济副教授  
国家农业研究院  
研究领域：农业经济学、发展经济学、中国农村经济



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国家农业研究院  
研究领域：计量经济学、金融理论与实证研究

### 最新提交

我要提交

20,256

元数据

8,417

全文

- 国家图书馆馆藏资源
- 国家档案馆馆藏资源及其比较研究
- 国家图书馆的数字化学习——从LDC到...
- 网络资源与多媒体资源教学过程的比较研究
- 下一代图书馆系统与图书馆
- 北京大学图书馆移动服务的探索与实践
- 数字图书馆资源库建设
- Feedback system
- Feedback system

### 热门推荐



陈运龙  
612 页



祝忠明, 刘琨  
490 页



- Improving and customizing IR platform functions
- **Formulating and drafting local policies**
- Seeking involvement and support of stakeholders
- Collecting and organizing content
- Promoting concepts and practices of OA

# Cooperating with University administration:

Office of Humanities and Social Science

- Harvesting and processing full set of metadata of PKU academic publications  
1<sup>st</sup>ly in Humanities and Social Science

- Building additional and external services on top of base data and core software components via APIs.

- Integrating into and be a part of the University' s e-infrastructure.



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# Fostering selected colleges as models by bespoken of their needs :

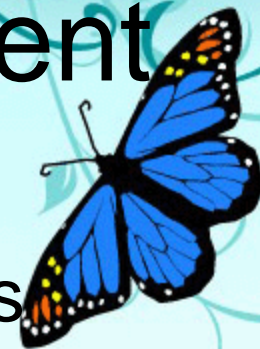


- National School of Development
- College of Urban and Environmental Sciences
- School of Electronics Engineering and Computer Science
- School of arts
- School of International Relations



# National School of Development Working Paper Repository

Earliest Deposit: 1996.06.21, 2000+ items





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National School of Development

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北京大学国家发展研究院 ==> 出版物 ==> 讨论稿 ==> 正文

## Wage Inequality and Input Trade Liberalization: Firm-Level Evidence from China-- (讨论稿No. E2013005)

发布日期: 2013-9-19 10:13:00 来源: 本站 字体: 大 中 小 打印

### Wage Inequality and Input Trade Liberalization: Firm-Level Evidence from China[1]

Bo Chen[2] Miaojie Yu[3] Zhihao Yu[4]  
No. E2013005 September 19, 2013

**Abstract:** This paper investigates how input trade liberalization affects firm-level wage inequality between skilled and unskilled labor. A fall in input tariffs generates increased firm profits, which, in turn, widens wage inequality since skilled labor enjoys a larger proportion of the incremental profits. In the paper we analyze this type of channel with an augmented Amity-Davis(2012) model. Using Chinese firm-level production data, we first estimate and calculate firm-level wage inequality. We find that, in China, wage inequality is much greater than it is in the U.S. After controlling for possible endogeneity, we find empirical evidence consistent with our theoretical prediction that input trade liberalization widens firm-level wage inequality. Reductions in input tariffs are found to increase firm-level wage inequality by approximately 23% during the period under study.

**JEL Classifications:** F10, F12, F14



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# School of Arts: Digital Kunqu Opera Preservation and Inheritance Program





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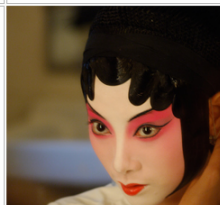
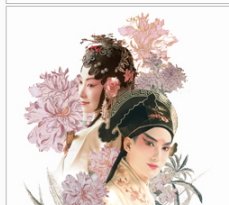
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## 新浪微博

2009年秋天，在白先勇先生主导下，北京大学文化产业研究院得到北京可口可乐饮料有限公司的友情支持，启动“北京大学昆曲传承计划”。该计划从2009年开始，计划用五年的时间，在北京大学开设昆曲公选课，举办包括演出、展览、讲座等活动在内的昆曲文化周，推动数字昆曲工程等。



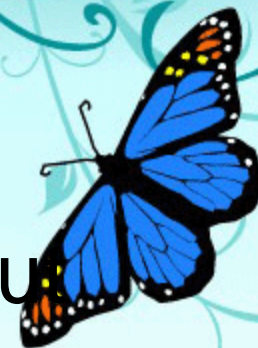
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# Policy Formulation



- OpenDOAR (2013.09): 2401 listing, but
  - 13.6% defining metadata re-reuse policy
  - 15.2% defining data re-use policy
  - 16.7% with content policy
  - 17.6% with submission
  - 8.1% with preservation policy
- Goal: Creating the policies that provide the framework for managing the open repository and legal compliance



# PKUIR Policies



 **北京大学** 机构知识库  
Institutional Repository of Peking University

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### 相关文档

- 北京大学机构知识库用户使用手册  
通过该使用手册，您可以了解北京大学机构知识库具有哪些功能和如何操作。
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简要列出北京大学机构知识库推荐提交的文档格式。

- Submission
- content
- Data re-use
- Preservation
- Take-down
- Privacy

**Publishers : Repository Posting Agreements**





# 1. Principles:

- involving and evolving in e-infrastructure for science & research
- Bespoke Domain Repositories developed for diversity of activities:
  - General institutional repository
  - School repository
  - Disciplinary repositories
  - Format specific repositories: (visual resources)
  - Preservation Repositories: CUL Archival Repository
- A institutional level sustainability plan must also be in place to ensure IR can develop and serve as a long-term institutional level solution.



## 2. Creating the intellectual and operational policies that provide the framework for managing the open repository and legal compliance



- 2004: Universities & research funding agencies started implementing OA policies. **Mandatory policies** do result in a high level of self-archiving which in turn provides a university with the increased visibility and impact
- Harvard: Office of Scholarly Communication, faculty made decision to give the copyright to the University, needs to make agreement with the publishers to grant.
- National foundation of Science Research: require two pages data management policy for every fund it gives for policies and regulation of such as the data storage and preservation, data usage and sharing, etc.
- .....



### 3. Technical infrastructure: more possibilities & interoperability



- Each individual repository is very valuable for each institution or community; But each individual repository is of limited value for research...
- The real value of repositories lies in the potential to interconnect them to create **a network of repositories**, a network that can provide unified access to research outputs and be (re-) used by machines and researchers.
- **However (of course), in order to achieve this potential, we need interoperability (~technical glue) .**

~~The Case for Interoperability for Open Access Repositories,  
COAR Briefing Paper





## 4. Collaboration is strength

- CAS IR Grid: Mandated policies
- CHAIR: China Academic IR
- China IR Implementation Group
  - Participate social discussion on IR and OA
  - Coordinate studies on IR development
  - Facilitate development of guidelines and best practices on policies, tech tools, services, and evaluation for IR
  - Coordinate on promotion and training for IR
  - Coordinate participation in international IR efforts
  - Develop IR forums and organize China IR Seminars



# Where are we now in PKU?

## PKU Journal Online -Social Science & Humanities



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- Supporting Academic Research
- Supporting Scholarly Communication
- Innovating Digital Publishing
- Promoting Open Access

# PKU-Humanity Journals Platform



- Integrated Platform for 9 journals in Humanities and Social Science
- Centralized knowledgebase of Comprehensive article level metadata since founding of journals, earliest one is since 1955.
- Open Access as a consensus and goal
  - Currently constrained by exclusive indexing agreement with content provider eg. CNKI



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医学

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政治



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So we beat on, boats  
against the current,  
borne back ceaselessly  
into the past.

F. Scott Fitzgerald  
*The Great Gatsby*

Thank you !

