Facing Data Challenges: RDM Implementation and Services in Peking University

Nie Hua , Peking University Library, China

COAR 2018 Annual Meeting
2018.05@ZWM , Hamburg

PKU Academic Outputs Ecosystem

- Open Repository@2011
- Open Journals@2012
- Open Scholars@2015.12.25
- Open Research Data@2015.12.25

PKU Academic Outputs Ecosystem

OA: Pathway and destination of Scholarly Communication.

Need Assessment: Campus Survey@2013

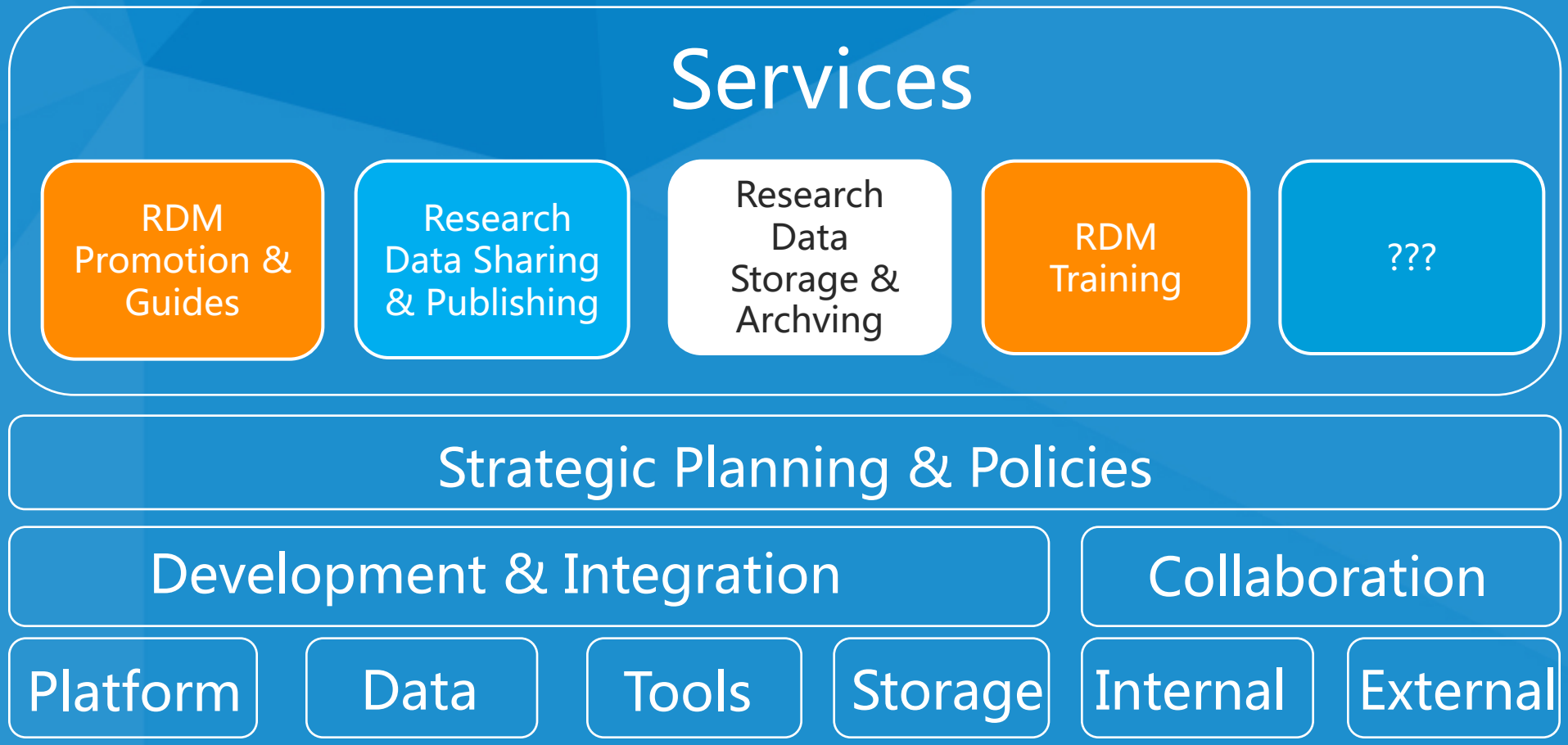
- awareness and practices of data curation & sharing;
- features of specific scientific data
- current status of data management
- re-use of the data
- expectation to research data management services

Need Assessment: Interviews @ 2013

Interviews showed three major trends of research data management.

1. research data sharing behavior: strong disciplinary-oriented features.
2. researchers generally require an embargo period with data sharing.
3. data sharing behavior: spontaneous, lacks proper incentives and necessary maintenance, lacks a well-managed mechanism for data citation, academic recognition and feedback.

PKU Library RDMS Plan: @ 2014



Cooperation:

- Peking University Library (PKUL)
- Institute of Social Science Survey (ISSS)
- Office of Scientific Research, Office of Social Science

PKUL
Research Data
Management
Services

ISSS
NSFC
Management
Science Data
Center
Data Services

PKU Open Research Data Platform
Data Center for Management Science

Data services Provided:

- ISSS: collection and cleaning, standardization and analysis, and data repository platform testing and feedback
- PKUL: requirements and functional design as well as the development and maintenance of data repository, data
storage, classification, management and associated services.
- Both Parties: Training and workshop and Other value added services on demand

Data Repository Platform:

- DSpace for PKU Institutional Repository
- OpenScholars for Scholars@PKU
- Open Data Platform on Trial:
  - Dataverse
  - Data Conservancy
  - CKAN
  - DSpace

2015.12.25

https://dataverse.harvard.edu

搜索

Dataverse

关于 Guides 支持 注册 登录

Harvard Dataverse

A collaboration with Harvard Library, Harvard University IT, and IQSS

Metrics 2,026,874 Downloads

ds.

北京大学 开放研究数据平台
Peking University Open Research Data

关于 支持 联系 竞赛 注册 登录 Switch to English

Henry A. Murray Research Archive at Harvard University
Murray Research Archive Dataverse

北京大学开放研究数据平台

重用数据，再现科研。
提升引用，跟踪影响。

开放数据
为您的研究点赞！

创建我的数据空间 或 浏览平台数据

Add Data

Sort

riority CWR of Zambia", doi:10.7910/DVN

ns for 30 prioritised CWR in Zambia. The data
rsity Collecting Missions database 1.2; GB...

Major Localization@ Dataverse 4.0

- Bilingual interface and content
- improve user group management functions
- add data request function with application of joining user group
- support online view, export + visualization of usage data
- featured dataverses in home page
- DOI registration
- SSO Authentication for PKU users

北京大学 开放研究数据平台
Peking University Open Research Data

指标 8,810 下载

Metrics
8,810 Downloads

The root dataverse.

北京大学中国调查数据资料库 数据空间

China Survey Data Archive Dataverse

Center for Healthy Aging and Development Studies Dataverse

GIS software (Geosoft) Laboratory, Peking University Dataverse

visualization and visual analytics research group, Peking University Dataverse

搜索该数

Search this dataverse... Find Advanced Search

数据空间 (19)
数据集 (109)
文件 (365)

分类
组织和机构 (12)
研究项目 (4)
研究者 (2)

单位
北京大学 (45)
北京大学中国国情研究中心 (18)
北京大学信息科学与技术学院 (17)
民政部政策研究中心 (15)
北京大学信息管理系 (6)
更多...

1 到 10，共 128 个结果

中国居民健康与疾病
2016-11-29
黄悦勤, 201
平台, V1
中国精神障碍疾病负
障碍、酒精药物使用
呆等八类主要精神障
用精神卫生服务的现

"一带一路"沿线国家
2016-11-29
北京大学科
路"沿线国
"五通指数2015"发布

Dataverses (19)
Datasets (109)
Files (365)

Dataverse Category
Organization or Institution (12)
Research Project (4)
Researcher (2)

Affiliation
Peking University (46)
The Research Center of Contemporary China (RCCC) (16)
School of Electronics

1 to 10 of 128 results

Sort « < Previous 1 2 3 4 5 Next > »

China Mental Health Survey,2013
Nov 29, 2016 - Restricted-Use Data Dataverse
Yueqin Huang, 2016, "China Mental Health Survey,2013", http://dx.doi.org/10.18170/DVN/O5PS2H, Peking University Open Research Data Platform, V1
China Mental Health Survey,2013

Five Connectivity Index of the Countries along "the Belt and Road"（2016）
Nov 29, 2016 - Science Evaluation Research Group of Peking University Dataverse
Science Evaluation Research Group of Peking University; Ocean Information Research Center of Peking University, 2016, "Five Connectivity Index of the Countries along "the Belt and Road"（2016）",
http://dx.doi.org/10.18170/DVN/LHIXBP, Peking University Open Research Data Platform, V1

31	159	555	9500+
31 Dataverses	159 Data Sets	Data Files	Registred Users

中国家庭跟踪调查

China Family Panel Studies

可视化与可视分析研究组

Visualization and visual analytics research group

中国健康与养老跟踪调查

China Health and Retirement Longitudinal Study, CHARLS

北京大学数据与信息管理研究组数据

Data and Information Management Gr

中国国情研究中心调查数据

The Research Center For Contemporary China

北京大学地理信息系统软件(Geosoft)实验室

GIS software (Geosoft) Laboratory

Deposited Contents of PKU Open Research Data

Featured Services & Functions:

01
Data Deposite, Curate, Publish

02
User managt. Usage Statistics

03
Data Related Publication

04
Data Set DOI Registration

For：Data Provider

01
Multiple Search Functions

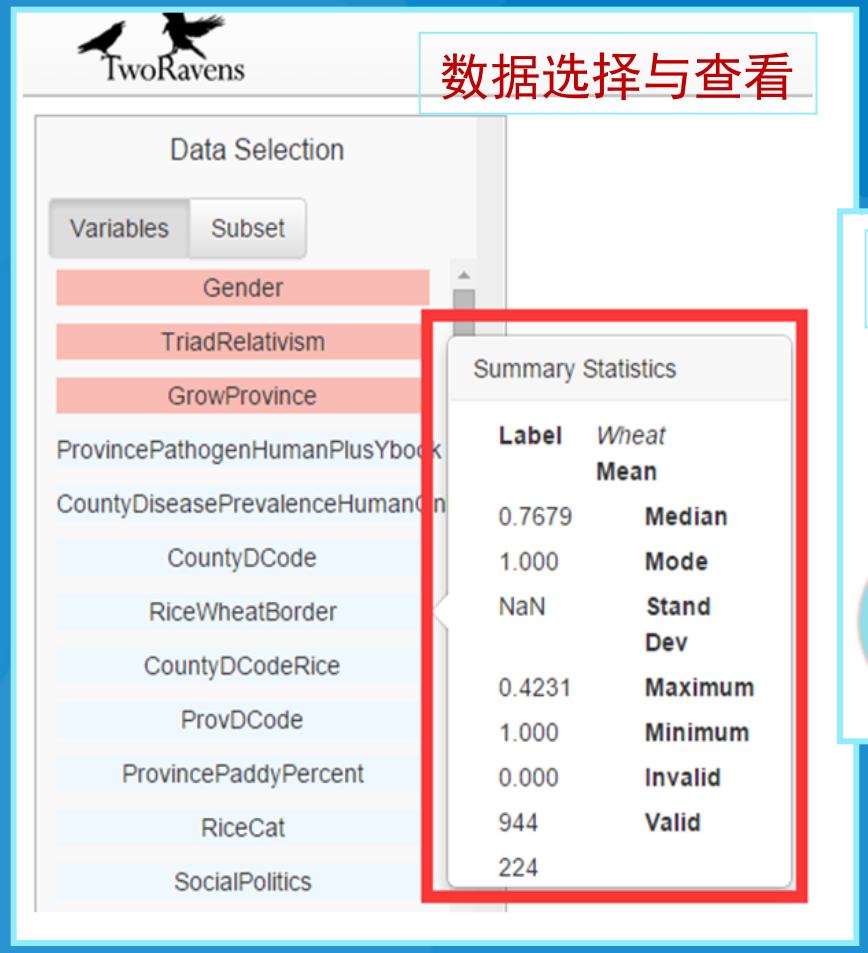
02
Bilingual Interfaces & contents

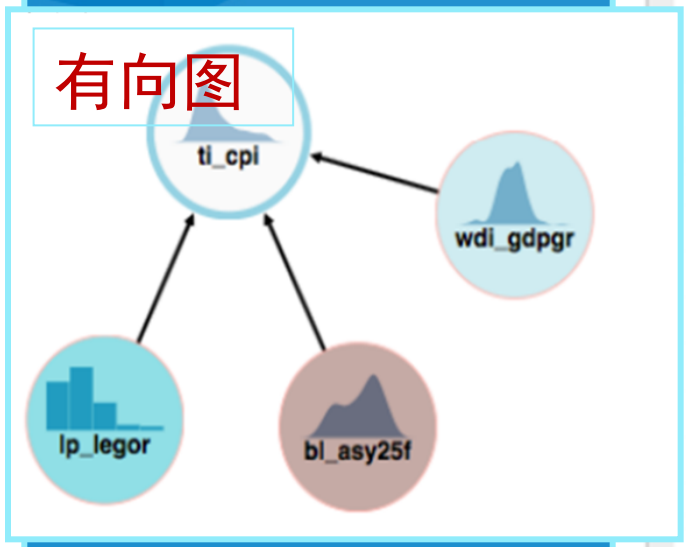
03
Online analysis Visulization

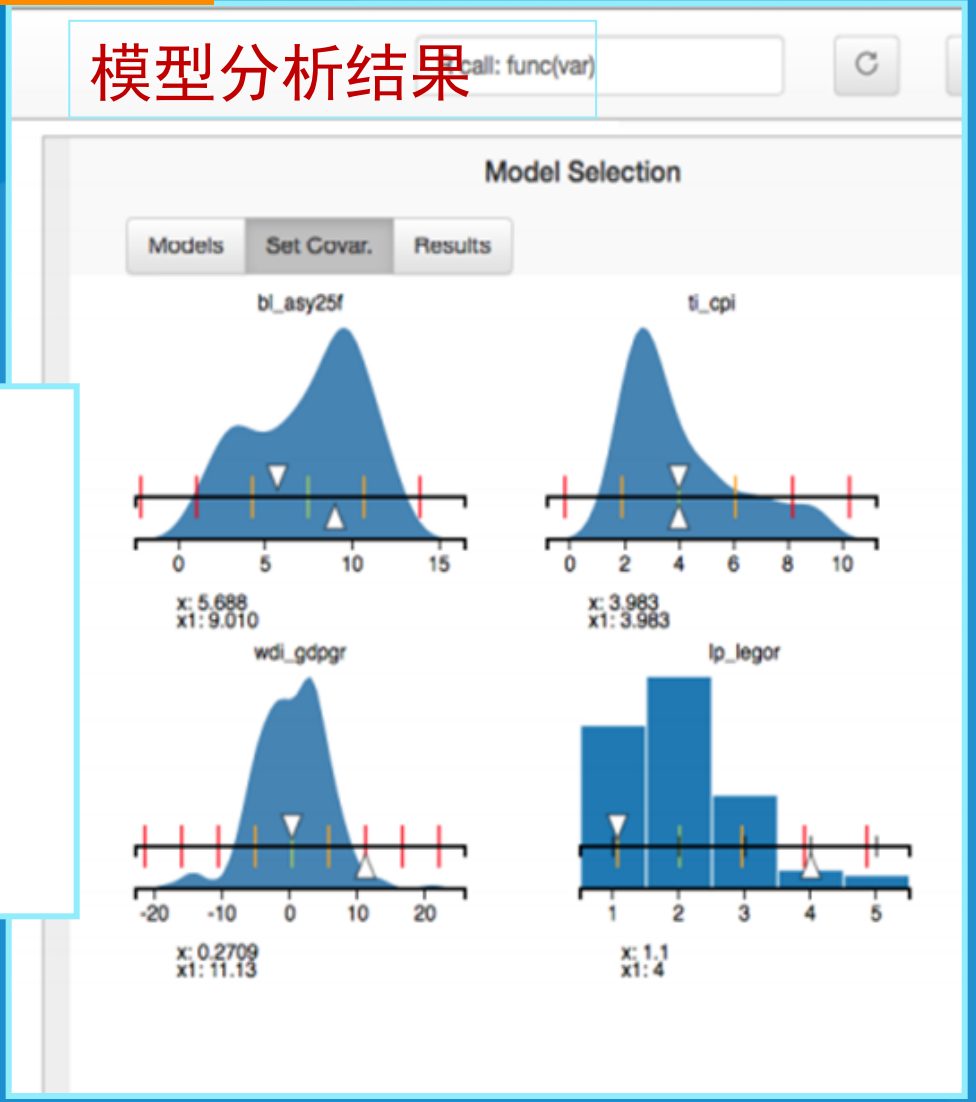
04
Data Versions Check and Compare

For：Data User

Online Data Analysis: Two Ravens







Multi Search Functions:

- Dataverse-Institution info. Provider Info.
- Data Set Info.
- Data File Name
- Variables

Tracking Data related Publications:

北京大学 开放研究数据平台
Peking University Open Research Data

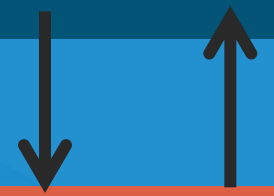
- 1000+ Publications

Citing PKU Open Research Data

- Bidirectional association established between

IR and Open Data

赵耀辉; John Strauss; 杨功焕, 2015, "中国健康与养老追踪调查（2013全国追踪）", http://dx.doi.org/10.18170/DVN/AQIU6C, 北京大学开放研究数据平台, V1



马超, 宋泽, 顾海. 医保统筹对医疗服务公平利用的政策效果研究[J]. 中国人口科学, 2016(1):108-117.

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

User and Usage:

Guest User: 100,00+ @ last 12 months

Registred User: 9556

- Institutions of Users：72countries, 1000 research institutions
- Top five countries of visitors: China, US, UK, Japan and Kerea
- Disciplines: Economics, Sociology, Statistics, demography, Management Science, Engineering, Computer Science, Library Science, Chinese, etc.

31
31 Data Space

159
159 Data Sets

555
Data Files

9500+
Registred Users

62,215 Downloads

中国家庭跟踪调查

China Family Panel Studies

432,630 Views

可视化与可视分析研究组

Visualization and visual analytics research group

中国健康与养老跟踪调查

China Health and Retirement Longitudinal Study, CHARLS

北京大学数据与信息管理研究组数据

Data and Information Management Gr

1,823,890 Views

中国国情研究中心调查数据

The Research Center For Contemporary China

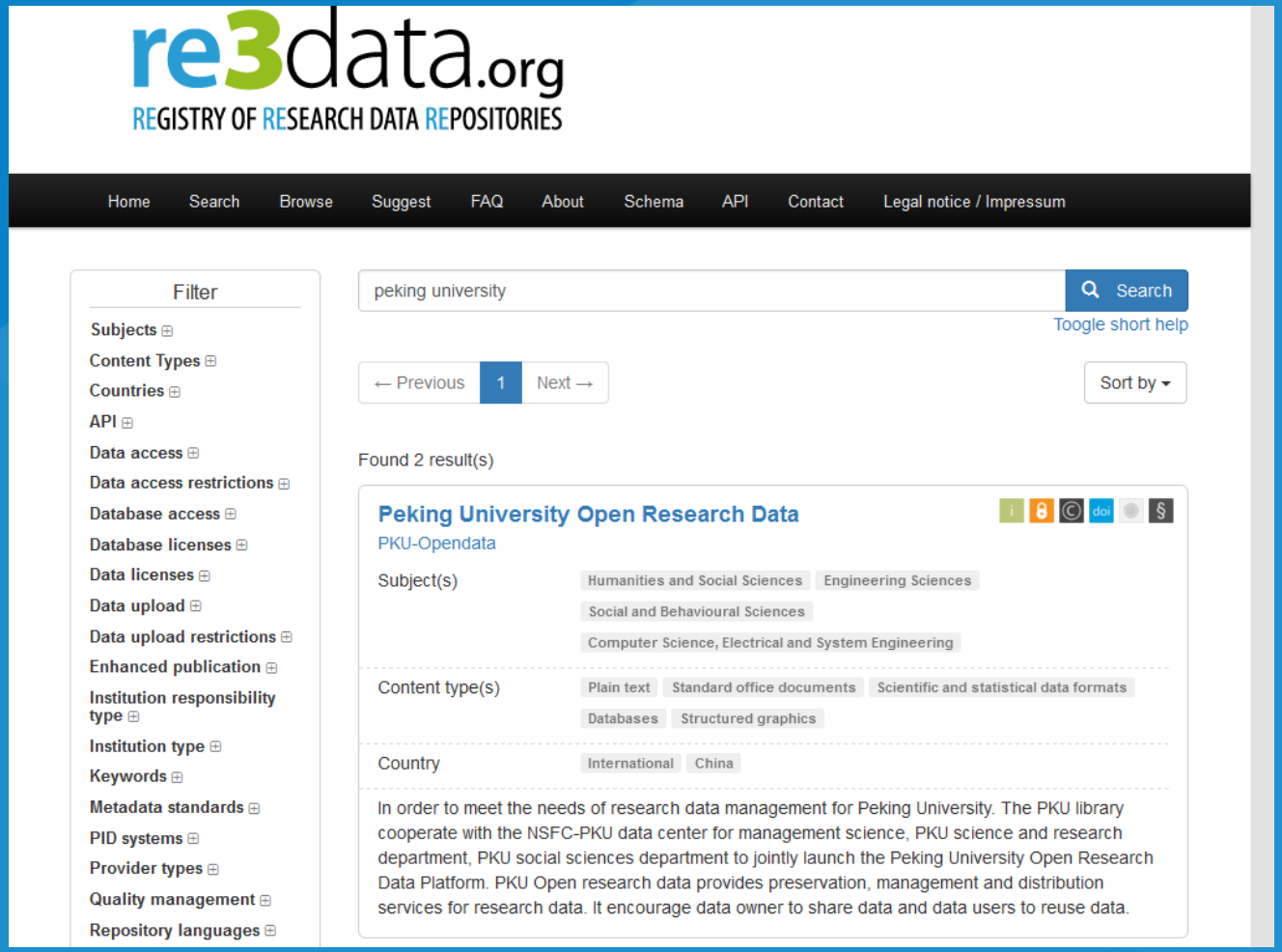
北京大学地理信息系统软件(Geosoft)实验室

GIS software (Geosoft) Laboratory

Deposited Contents of PKU Open Research Data

Re3data.org registered/indexed

- Registered on re3data.org @2015.5.15
- re3data.org identifying and listing 2,000 research data repositories
- From China: 37个。



Awareness:

1st Price of The 2nd Chinese Academic Library Services Innovative Case Contest @2016.11.03

PKU Data Finding Contest @ 2016.12.16

"Publication of scientific theories, and of the experimental and observational data on which they are based, permits others to identify errors, to support, reject or refine theories and to reuse data for further understanding."

Science as an Open Enterprise

2017.11-2018.04:

1st National University Data Driven Innovation Research

Tencent 腾讯

GALE
A Cengage Company

Policies of Scientific Data Management

General Office of the State Council, PRC

Digital China Institute

Summary and Thoughts:

- From IR to Journals to scholars to data : Library’ s role on “Made in PKU”
- Collaboration & Engagement: the Keys
- Awareness & Policies : especially on the institutional level

北京大學圖書館
PEKING UNIVERSITY LIBRARY