Library & Digital Humanities: 
New Vision | New Role | New Services 

图书馆与数字人文：
新视野 | 新角色 | 新服务 

聂华 NIE HUA  北京大学图书馆 PKU Library 
2019.03.21  CEAL Annual Conference @Denver
目录 Agenda

-1 数字人文是什么？Digital Humanities？
-2 数字人文在中国 DH in CHINA
-3 图书馆的新视野 What can Library do？
-4 图书馆的新实践与新服务 DH in Peking University
“We need more welders and fewer philosophers”
“我们需要更多的焊工和更少的哲学家”
“学好数理化，走遍天下都不怕”

Humanities crisis？

• 2013.6 American Academy of Arts & Sciences: The Heart of the Matter: The Humanities and Social Sciences for a vibrant, competitive, and secure nation
• 2013.11.8 New York Times: As Interests Fades In Humanities, Colleges Worry
• 2017 Harvard Report: The Teaching of the Arts and Humanities at Harvard College: Mapping the Future

General Observation:
(1) 人数直线下降（全美7.06%）
(2) 就业困难引起流失
(3) 师生比例失调
(4) 不断关停专业和课程的趋势....
1. It is an area of scholarly activity at the intersection of computing or digital technologies and the disciplines of the humanities, it includes the systematic use of digital resources in the humanities, as well as the reflection on their application. **OR**

2. It refers to generally related information resources collection, processing, organization, service, research, education and other activities carried out around the digital preservation and application of the knowledge subject of specific research objects in the humanities field.

What is DH? Various Definitions......
200+ DH Centers by 2018.05 @ CenterNet [http://dhcenternet.org/centers]

Over 90% located in North Academic and Europe

3% from Asia
DH Institutes or Teams in China
数字人文机构 / 团队建设

- Wuhan University DH Center @2011
  Department of Publishing Science
- Peking University DH Group in @2016
  Peking University Library
- Nanjing U. DH Center @2017.09
  School of History/Computer Science,
  School of Arts
- Many others.....
DH in CHINA Just Started
中国大陆数字人文研究起步

Funded Projects:
2008: From 0 to 12
2017: reach 37

……
2018 , back to 0……

The trend of academic papers in Chinese published from 2005 – 2017 inflection point is the year 2015

CNKI: “数字人文”、“人文计算” in Title
Questions to ask and discuss continually with various stakeholders:
How can the library serve the core missions of the Digital Humanities? What is your expectation and recommendation to the university libraries?

Library and DH

Dialog with Peter Bol
@Institute of Advanced Humanities, PKU

Library, as a key DH stakeholder.
What should and can Library do?

1. popularizing relevant resources and tools via DH thematic information services
2. Advocate + Participate in DH cyberinfrastructure Development
3. Serve as a bridge for interdisciplinary cooperation
4. Acting as an incubator for digital humanities projects
1. DH thematic information services
Advocate + participate Digital Humanities
Cyber Infrastructure Development

数字-》数字化图像-》文本内容-》数据
digitization -> image -> text -> data
元数据-》关联数据-》开放数据
Metadata -》Linked data -》Open data

• HathiTrust Research Center：from digital resources accumulation to research and practice of digital humanities projects
• CADAL in China：370万页，数字化资源-数据化-智慧化
3. Workshop...Training...Networking... bridge for interdisciplinary cooperation

美国华盛顿大学、西北大学、密歇根大学，英国牛津大学等高校，面向全校师生和校外人员开设数字人文暑期课程。
4. DH项目孵化器
As an incubator for DH projects
The 1st PKU DH Forum: Crossing Boundaries & Engaging Communities: Digital Humanities in A Global Perspective

1. Digital Humanities Concept and Practice
2. Linguistics and text processing, knowledge exploration
3. Historiography and deep excavation of large-scale historical materials
4. Art and data visualization
The 2nd PKU DH Forum - Interaction & Coexistence: Digital humanities and Historical Research

Wech 270+ attendees from all over the world

1. 数字史学与量化史学
2. 数字工具与史学研究
3. 史学与历史文献数字整理
4. 史学研究数字环境与网络基础设施
The 3rd PKU DH Forum - Incubation and Application: How digital humanities projects Cater to Academic Needs

1. Digital Humanities teaching and research
2. Practice and Reflection on DH Project Globally
3. Digital human technology, tools and infrastructure construction
4. Digitalization and representing of humanities literature and materials

Cooperation in & out :
1. School of Philosophy
2. Institute of humanities and social sciences
3. School of Information Management
4. School of History
5. CBDB China Group
DHers Social Network: PKU WeChat Group

800+ scholars, Researchers, Librarians, Archivers, And other stakeholders of DH from all over the world
3. Dbers’ Academic Lectures
数字人文学者专场学术讲座

1. Susan Schreibman, Maynooth Uni., Digital Humanities: New Methods, New Publics, New Responsibilities;
2. Peter K. Bol, Harvard, Digital Humanities in Higher Education
3. J. Stephen Downie, UIUC, Digital humanities using both closed and open data: Use cases from the HathiTrust Research Center
4. Simon Mahony, UCL, DH in UCL
6. 黄一农, Taiwan Tsinghua U., e考据与文史研究的新机遇
Workshop & Curriculums

1. Research skills and methods of DH
2. Social Network Analysis
3. Text Processing
4. GIS Analysis
5. Global DH Projects and Trends

- Faculty, Librarians and Students, In and out of the university
- Disciplines: Humanities, Information Management, Environment, Arts, etc.
PKU Digital Humanities Guidelines

Columns:
- Conceptions about DH
- DH information from all over the world
- DH news and information in PKU
- SNA Special Topics
- DH Tools
  - Chinese Segmentation Tools
  - Google Earth Geo Space Analysis
- DH Experiences from DHers
- DH Projects incubator
My Question to You All:
How can the library serve the core missions of the Digital Humanities? What is you expectation and recommendation to the university libraries?

谢谢！Thank you！