Making the research process as open as possible

Publishing Manager Pekka Olsbo
Information Specialist Marja Kokko
Librarian’s role in making the research process as open as possible

Libraries and librarians are taking new roles
- participating in the research process
- partners of the researchers and research groups
- experts on publishing and data management
- consultants on Open Science

Broadening the partnership with researchers:
Role of the librarian is enabling the open research process
Background

- Growing demands of Open Science and research funders
- **Horizon 2020**
- **Finnish Academy**
- **TEKES** (Finnish Funding Agency for Innovation)
- **Finnish Open Science and Research Initiative**
  - Goal: To make Finland one of the leading countries in openness of science and research by the year 2017
- Our own ambition to promote OS
"Information in"

Library

Information request

Information delivery

Search of information

Information retrieval

Client

Information of the "World"

Direct search

21.10.2015

Olsbo & Kokko, Internet Librarian 2015, London
Traditional Research Process ("information in")

1. DEFINING THE TOPIC AND FINDING SEARCH TERMS
   - Defining the topic
   - Information resources for different requirements
   - Information search plan

2. FINDING SOURCES
   - Search term, natural language search, subject term search, search strategy
   - Creating a search statement
   - Research methods
   - Publishing in different disciplines
   - Choosing scholarly and reliable sources
   - Finding e-books
   - Finding scholarly journals and articles
   - How to use an e-book
   - How to read an e-journal

3. CITING AND MANAGING REFERENCES
   - Citing and managing references
   - Avoiding academic fraud
   - Academic ethics and copyright
   - Evaluating search results
   - Finding Internet resources
   - Evaluating Internet resources

How to find encyclopedias
- Finnish General Thesaurus YSA

Olsbo & Kokko, Internet Librarian 2015, London
Open Science Guidelines in JU

Open Science in J U

Parallel publishing / Green Open Access

- The University of Jyväskylä aims to be an institution advancing free scholarly information and know-how. Free access to scholarly information is one of the strategic goals of the University. To support this, by promoting open access publishing, the University requires open archiving of research results in open archive JYX.

- From the beginning of 2011, all research articles published as appendixes to dissertations are also published in JYX Archive.

Principles of research data management at the University of Jyväskylä

University Library is the key player in putting the Open Science practices in action.

21.10.2015 Olsbo & Kokko, Internet Librarian 2015, London
Making things easy: Open publishing process

No extra work for researchers, university library is the key player

- External sources
- CRIS Research database
- Institutional Repository
  - Permissions
  - Publisher policies
  - Open Linked Data
  - Reporting
  - Feedback for authors
  - Social media
  - Metadata enrichment
  - Technical editioning

Cost-effectiveness      Productivity

21.10.2015    Olsbo & Kokko, Internet Librarian 2015, London
"Information out"

Library

Open Science
Impact of research

Information delivery
Usage of information

University

Information of the "World"

Scientific publishing

21.10.2015 Olsbo & Kokko, Internet Librarian 2015, London
Digital and Open Research Process ("information out")

- Feedback for authors
- New projects and innovations
- Altmetrics, social media, citations
- Open Science
  - Open publishing of research results and data
  - JYX-archive
  - JU Dataverse
  - Finnish Social Science Data Archive
  - Visibility
  - Impact
  - Merits
  - Accessibility
  - Verification
- Available Open data: to support your data collections process and to help you to define new research questions
- Data management plan
- Costs: OA-management, Data Archives? Data Curation?
- Systematic Information Search Framework designed in our library is based on Kuhlthau's model:
  - 1. Defining the topic and finding search terms
  - 2. Finding sources
  - 3. Citing and managing references
- Data Management Services in JU
- Funding and Funders
- Finnish General Thesaurus YSA
- How to find encyclopedias
- Encyclopedias, literature reviews and theses
- Search term, natural language search, subject term search, search strategy
- Creating a search statement
- Research methods
- Publishing in different disciplines
- Choosing scholarly and reliable sources
- Finding e-books
- How to use an e-book
- Finding scholarly journals and articles
- How to read an e-journal
- Evaluating e-journals and articles
- Evaluating Internet resources
- How to find search results
- Internet resources
- Evaluating search results
- Avoiding academic fraud
- Academic ethics and copyright
- Citing and managing references
- Refworks
- Mind map
- Defining the topic
- Information resources for different requirements
- Information search plan
- Systematic Information Search
Digital Scholarship

- New practices in scholarly communication
- Emphasize principles of research ethics, publisher’s ethical principles, Fair Cite etc.
- Sharing and using open data
- Problems to be solved:
  - Costs of managing and sharing data, the whole life-cycle of data
  - management of OA-publishing
  - IPR
  - Ethical consultation
Library as an Open Science Center

- All Open Science services in one place
- Support for data management and open publishing
- Research output evaluation
- Training, expertise, consultation
- Social media platforms and improving visibility
- New professional skills and identities
- Aim: an international brand
Thank You

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