JYU LIBRARY SERVICES RELATED TO OPEN SCIENCE

“Nuorison Parasta Tässä Harrastetaan”

Seinäteksti Jyväskylän yliopiston vanhassa juhlasalissa (1882)
Library as an open science center

This presentation is partly based on conference presentation Olsbo & Kokko 2015, Making the research process as open as possible, presented in Internet Librarian International 2015.
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

Olsbo & Kokko, Internet Librarian 2015, London
"Information in"

Library

Information request
Information delivery
Search of information
Information retrieval

Client

Information of the "World"

Direct search

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

1. Defining the Topic and Finding Search Terms
   - Mindmap
   - Defining the topic
   - Information resources for different requirements
   - Information search plan

2. Finding Sources
   - Finnish General Thesaurus YSA
   - 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

3. Citing and Managing References
   - Refworks
   - Citing and managing references
   - Avoiding academic fraud
   - Academic ethics and copyright
   - Evaluating search results
   - Internet resources
   - Evaluating Internet resources

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

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

New projects and innovations

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?

Open Science
Open publishing of research results and data
JYX-archive
JU Dataverse
Finnish Social Science Data Archive

Visibility
Impact
Merits
Accessibility
Verification

Altmetrics, social media, citations

Funding and Funders

Data Management Services in JU

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

Funding and Funders

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Feedback for authors

Costs:
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In Practice – DMP

- Data management plan is essential part of every research project.
- Use DMPTuuli and update plan when necessary. Library (Open Science Center) will help you.
- JYUDMPTuuli which contains JY specific guidance will be published soon.
Research data storage service

- Based on the Rector’s decision, the University of Jyväskylä offers basic data storage services for financed research projects.
- The basic service package for a research project includes the following:
  - A limited, backed-up storage space for research data
  - Dedicated storage space for video materials in Moniviestin
  - A Confluence Wiki workspace for group work
  - A standard website for publishing the research project
- Library will coordinate these services and help research projects with all these services.
Managing research data

- Library coordinates the services for research projects.
- Backed-up storage space for research data
- JY Dataverse: https://dvn.jyu.fi/dvn/
- JYX: https://jyx.jyu.fi/dspace/
- Finnish Social Science Data Archive: http://www.fsd.uta.fi/en/
- Library helps with all these!
Every research project should create a publishing plan.

Where should we publish our research findings?
- best possible forums for visibility and impact
- does the requirement of openness effect on the selection of publishing forum?
- how should we market our publications?
- what kind of possibilities does our own University offer for publishing?

Library will help with all these questions
Making research publications open

- Send all your publications (final drafts) to the library. Library will publish them OA when ever possible. More at: http://openaccess.jyu.fi/en/parallel
- If you want to publish in open access journal, library will give you consultation about OA publishing forums.
- Library takes care of recording you publications to the TUTKA research information system https://kirjasto.jyu.fi/publish-and-buy/publishing-forms/submit-your-publication
Making things easy: Open publishing process

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

- External sources
  - Author
    - Minimum metadata
    - Files

CRIS Research database
- Permissions
- Publisher policies
- Metadata enrichment
- Technical editioning

Institutional Repository
- Open Linked Data
- Reporting
- Feedback for authors
- Social media

Cost-effectiveness      Productivity

Olsbo & Kokko, Internet Librarian 2015, London
Analyzing the impact of research

- Openness of research increases the impact of research: [http://www.1science.com/oanumbr.html](http://www.1science.com/oanumbr.html)
- Article downloads from [JYX-archive](https://jyx.jyu.fi/) are rising all the time:
  - 2014: 6 060/month
  - 2015: 10 300/month
  - 2016: 16 500/month
- Aim is to give University and Departments information about the impact and visibility of research in order to help strategic decisions.
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

Olsbo & Kokko, Internet Librarian 2015, London