

New Challenges for IL: How can the digital library contribute to employability?

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Theme: New Challenges for IL

How can the digital library contribute to employability?

Project application to Denmark's Electronic Research Library (DEFF):

E-learning, Information Literacy and Library Services – how can the digital library contribute to employability?

The application was granted and the project has worked intensively with the topic in the period 2014-2016

How can the digital library contribute to employability?

New challenges for IL:

- **the increasing digitization of educational institutions, including the general implementation of virtual learning environments such as Learning Management Systems (LMS) and Massive Open Online Systems (MOOCs) as well as new forms of learning (e-didactics)**
- **the ambition of the libraries to follow and support the Danish education policy ambition of enhancing links between education and employment**

How can the digital library contribute to employability?

A broad, collaborative project consortium has been driving the project :

- Aarhus University Library (financial and legal owner, and the manager of the project)
- Aalborg University Library
- DTU Library, Technical Information Centre of Denmark
- Copenhagen Business School Library
- Copenhagen University Library
- Roskilde University Library
- University of Southern Denmark Library
- VIA University College Libraries on behalf of all university college libraries in Denmark
- KEA, Copenhagen School of Design and Technology

An Advisory Board of educational institution representatives follow and advise on the project

How can the digital library contribute to employability?

The Project's goal was to investigate,

1. how the virtual library can **create value and stimulate development in education and virtual learning environments?**
2. how libraries can help **support students' digital development and learning** by giving them access to qualified information and by **providing them with e-based tools for the handling of complex information issues**. Tools that should continue to be of **advantage to them when they enter the labour market?**

How can the digital library contribute to employability?

Project definition of the efforts of libraries in relation to increasing the employability of students:

- *The ability to act independently and critically in a professional context by being able to identify, collect, evaluate, organize and present information in and on digital platforms*

The definition is grounded in the ["Seven pillars of information literacy" \(2011\)](#), Society of colleges, national and university libraries (Sconul)

To these seven parameters this project adds an eighth: REFLECTION - to be able to reflect on how information literacy is also practised in an academic professional context.

How can the digital library contribute to employability?

Methods and sustainable results of the project:

- ✓ **Collaboration on specific academic programs by integrating targeted information and relevant library services in their programs (e-learning objects)**
- ✓ **Close cooperation with the course and the respective lecturers (content of e-learning objects)**
- ✓ **Presence (e-learning objects) at the respective virtual learning environment: Learning Management Systems (LMS) and Massive Open Online Courses (MOOCs)**
- ✓ **Continuity through additional programs during the implementation phase (from 2015 to 2016) – to ensure sustainability of the results**

How can the digital library contribute to employability?

Methods and sustainable results of the project (cont.):

- ✓ Strengthening the participants of the project's skills in e-didactics and the development of e-learning objects based on digital library systems, resources and services

Inspiration for development: three focus areas : three external consultants

1. Competence development program (5 workshops + 1 online course) arranged and carried out by The University of Southern Denmark, SDU Centre for Teaching and Learning, Senior E-learning Advisor, Inger-Marie Christensen for the project group, together with a number of colleagues (October 2014 - March 2015).

Program:

- Introduction, design of blended learning / e-didactics
- Design, production and publishing of e-learning objects and e-tutorials
- Interactivity and e-learning objects
- Rubrics, self- and peer evaluation
- Series of online workshop: Live online communication and support - Live online teachers
- New ways of engaging and motivating the students

How can the digital library contribute to employability?

Methods and sustainable results of the project (cont.):

- ✓ Devising common flexible concepts for integration of the digital library in educational environments. Concepts that can be reused or adapted by colleagues from a broad variety of library and educational environments.

Inspiration for development: three focus areas : three external consultants

2. Development of concepts Associate Professor Trine Schreiber, The Royal School of Library and Information Science, Copenhagen University handled the task of concept development.

- Interviews (Spring 2015) with the projects participants, concerning the actual e-learning courses and e-learning objects developed
- There is now a report available (in Danish) based on the consolidation and analysis of the qualitative data obtained: [*Fleksible koncepter for integration af det virtuelle bibliotek i uddannelsernes læringsmiljøer \[Flexible concepts for integrating the virtual library into educational learning environments\], by Trine Schreiber, December 2015*](#)

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Methods and sustainable results of the project (cont.):

Development of concepts (cont.)

*Across the eleven projects, **nine concepts have been found**. Each concept is not based on any individual project. Instead, they draw on content from elements of all projects. In this way, the presentations of the concepts are based on examples taken from the projects. The selection of examples is, however, inspired by e-learning theory concepts and models such as the e-didactic model. The aforementioned model, for example, has entered into discussions both within the projects as well as across all projects.*

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The different concepts should not be seen as strictly separate from each other. Several of them can be usefully combined with each other.

Reference: [Fleksible koncepter for integration af det virtuelle bibliotek i uddannelsernes læringsmiljøer](#), Trine Schreiber, December 2015, pg. 14

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Methods and sustainable results of the project (cont.):

Development of nine flexible concepts:

1. Teacher as co-producer concept
2. Student as co-producer concept
3. Peer assessment concept
4. Teaching loop concept
5. Gamification concept
6. Flipped classroom concept
7. Shortcuts concept
8. Case concept
9. Open learning resources concept

E-learning, information literacy and library services

Methods and sustainable results of the project (cont.):

This project has undertaken further development of :

- Learninglib.dk

an archive of the project's e-learning objects and

a knowledge sharing platform in the future of the e-learning objects produced by Danish academic and education libraries

How can the digital library contribute to employability?

Methods and sustainable results of the project (cont.):

- ✓ Conducting evaluations of the implemented programs which, on a systematic basis, will document NOT IF, BUT HOW the virtual library creates value for the employability of the students.

Inspiration for development: three focus areas : three external consultants

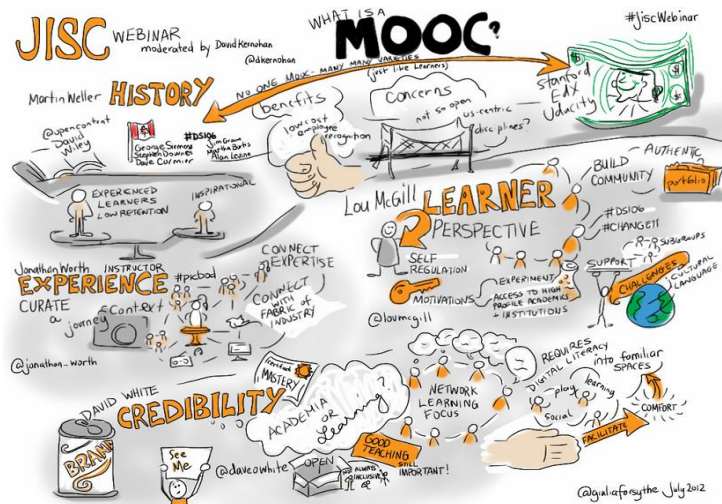
3. Evaluation Professor Marianne Lykke, E-Learning Lab, Aalborg University is engaged as the project evaluation partner. The survey design comprises of two parts:

- A general quantitative part covering all courses (survey questionnaire)
- A special qualitative part for four specific courses (focus group interviews or walk-alongs)

Report from E-Learning Lab, Aalborg University, the project's evaluation partner, available by the end of June 2016.

How can the digital library contribute to employability?

Why a MOOC?



- testing digital learning objects
- enhance students information literacy and employability

How can the digital library contribute to employability?

Avoid library bypass

Libraries ☺

E-learning activities & platforms: MOOC/LMS

How can the digital library contribute to employability?

Libraries must:

- Be competent
- Reach out

Supporting information literacy

Enhancing the links between education and employment

How can the digital library contribute to employability?

Sustainable results and competences

- Blended learning
- Flipped classroom
- Open learning resources

The sustainability of the results accomplished and competences gained from the project.

How can the digital library contribute to employability?

Sustainable integration & collaboration

- Curriculum integration
- Collaboration:
 - Center for Online & Blended Learning
 - Learning Lab DTU
- Network
- Task force

How can the digital library contribute to employability?

COURSERA

- ❑ 145 Partners
- ❑ 28 Countries
- ❑ 1900 Courses

❑ 4 Nordic Partners

DTU



Technical
University of
Denmark (DTU)



CBS
COPENHAGEN
BUSINESS SCHOOL
HANDELSHØJSKOLEN

Copenhagen
Business School



UNIVERSITY OF
COPENHAGEN

University of
Copenhagen



LUND
UNIVERSITY

Lund University

How can the digital library contribute to employability?

Academic Information Seeking



How can the digital library contribute to employability?

Academic Information Seeking

Course

WEEK 1

Preparing your search process

WEEK 2

Performing your searches

WEEK 3

Evaluating your search results

Attending the course will enable you to:

- Identify your information need
- Evaluate databases and other information resources
- Set up search strategies and use various search techniques
- Formulate search strings based on your own research assignment
- Identify relevant material types
- Undertake critical evaluation of your sources
- Search more efficiently on the internet
- Avoid plagiarism
- Cite correctly
- Work with reference management
- Document your search process

How can the digital library contribute to employability?

Academic Information Seeking

- 21 videos
- 3 quizzes
- 14 assignments
- Reading materials
- Dictionary
- Mendeley group – add library URL resolver

How can the digital library contribute to employability?

Academic Information Seeking

coursera



How can the digital library contribute to employability?

Academic Information Seeking

coursera

"I'm a medical student and I took this course to write a review article. Thank you very much for the informative and concise lectures."



How can the digital library contribute to employability?

Academic Information Seeking

Reach

Last updated **Monday, May 23rd, 2016**. Updated daily at midnight UTC.

Total Visitors

8.252

▲ 235

Active Learners

2.032

▲ 48

Payments

29

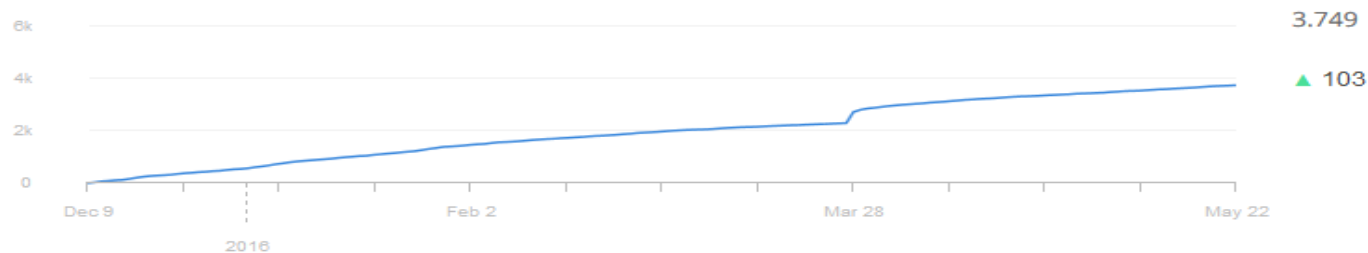
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Course Completers

200

▲ 6

Total Enrolled Learners



How can the digital library contribute to employability?

Academic Information Seeking



How can the digital library contribute to employability?

Conference:

Collaboration between Libraries and Education – towards 2020

9th November 2016 at Moesgaard Museum (MOMU), Aarhus, Denmark

Focus on strategic considerations for libraries' work with e-learning, including information literacy, which should match future trends in the field.

Website opens by end of June 2016 www.library.au.dk/deffelearning

Hope to see you in Aarhus this November 😊

Thank you for your attention!

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