Session 2

15 minutes of Data

Data findes i mange former

Paul, Ayris, and Ignat Tiberius. 2018. "Defining the Role of Libraries in the Open Science Landscape: a Reflection on Current European Practice." Open Information Science.


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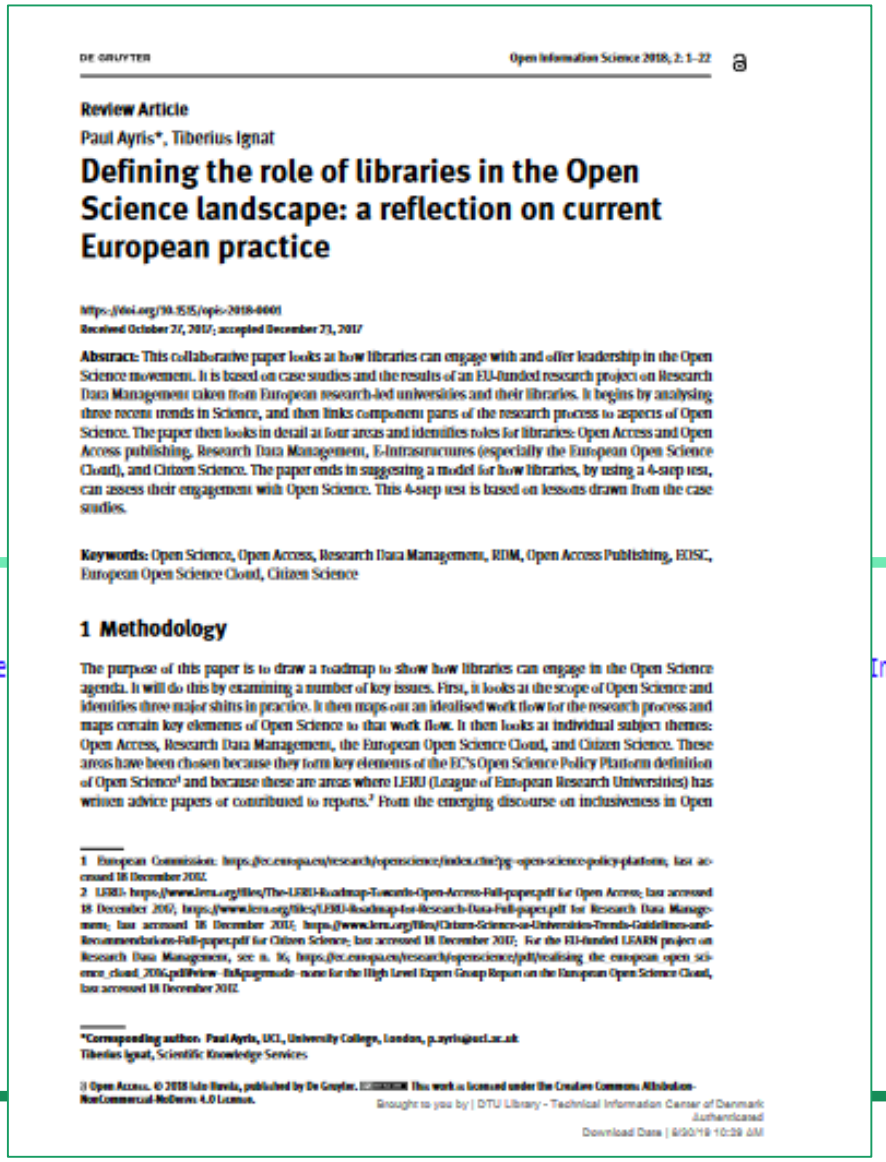


DE GRUYTER Open Information Science 2018; 2: 1–22

Review Article

Paul Ayris*, Tiberius Ignat

Defining the role of libraries in the Open Science landscape: a reflection on current European practice

https://doi.org/10.1515/opis-2018-0001
Received October 27, 2017; accepted December 23, 2017

Abstract: This collaborative paper looks at how libraries can engage with and offer leadership in the Open Science movement. It is based on case studies and the results of an EU-funded research project on Research Data Management taken from European research-led universities and their libraries. It begins by analysing three recent trends in Science, and then links component parts of the research process to aspects of Open Science. The paper then looks in detail at four areas and identifies roles for libraries: Open Access and Open Access publishing, Research Data Management, E-Infrastructures (especially the European Open Science Cloud), and Citizen Science. The paper ends in suggesting a model for how libraries, by using a 4-step test, can assess their engagement with Open Science. This 4-step test is based on lessons drawn from the case studies.

Keywords: Open Science, Open Access, Research Data Management, RDM, Open Access Publishing, EOSC, European Open Science Cloud, Citizen Science

1 Methodology

The purpose of this paper is to draw a roadmap to show how libraries can engage in the Open Science agenda. It will do this by examining a number of key issues. First, it looks at the scope of Open Science and identifies three major shifts in practice. It then maps out an idealised work flow for the research process and maps certain key elements of Open Science to that work flow. It then looks at individual subject themes: Open Access, Research Data Management, the European Open Science Cloud, and Citizen Science. These areas have been chosen because they form key elements of the EC's Open Science Policy Platform definition of Open Science[1] and because these are areas where LERU (League of European Research Universities) has written advice papers or contributed to reports.[2] From the emerging discourse on inclusiveness in Open

1 European Commission: https://ec.europa.eu/research/openscience/index.cfm?pg=open-science-policy-platform, last accessed 18 December 2017.
2 LERU: https://www.leru.org/files/The-LERU-Roadmap-Towards-Open-Access-Full-paper.pdf for Open Access; last accessed 18 December 2017; https://www.leru.org/files/LERU-Roadmap-for-Research-Data-Full-paper.pdf for Research Data Management; last accessed 18 December 2017; https://www.leru.org/files/Citizen-Science-at-Universities-Trends-Guidelines-and-Recommendations-Full-paper.pdf for Citizen Science; last accessed 18 December 2017; For the FP7-funded LEARN project on Research Data Management, see n. 16; https://ec.europa.eu/research/openscience/pdf/realising_the_european_open_science_cloud_2016.pdf#view=fit&pagemode=none for the High Level Expert Group Report on the European Open Science Cloud, last accessed 18 December 2017.

*Corresponding author: Paul Ayris, UCL, University College, London, p.ayris@ucl.ac.uk
Tiberius Ignat, Scientific Knowledge Services

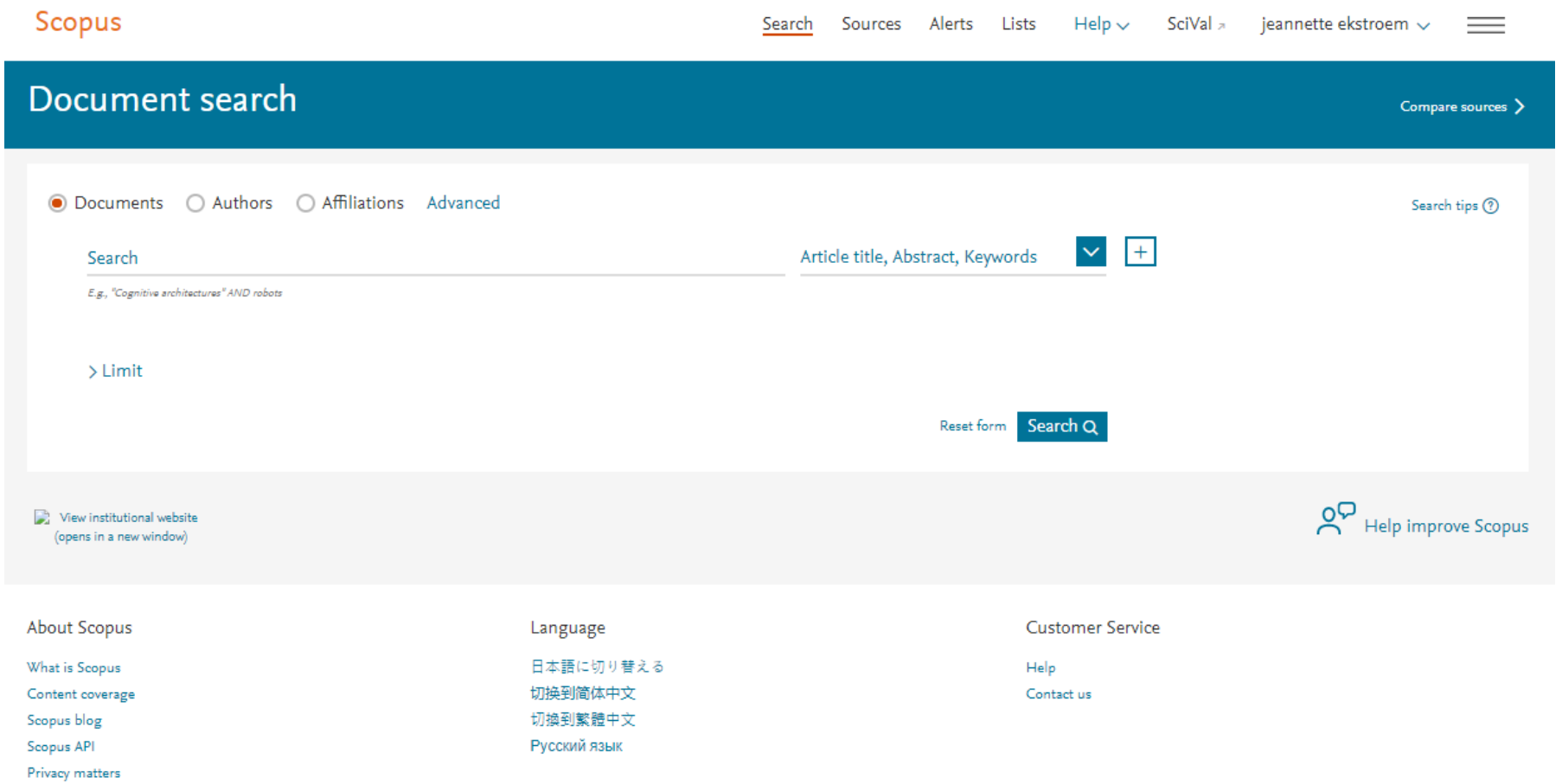
.. om Data Literacy & Data Workflow bevidsthed

Adgang til ”dataset”	Rensning af dataset	Visualisering af dataset
A **data set** (or **dataset**) is a collection of data. In the case of tabular data, a data set corresponds to one or more database tables, where every column of a table represents a particular variable, and each row corresponds to a given record of the data set in question….	**Data cleansing** or **data cleaning** is the process of detecting and correcting (or removing) corrupt or inaccurate records from a record set, table, or database and refers to identifying incomplete, incorrect, inaccurate or irrelevant parts of the data and then replacing, modifying, or deleting the dirty or coarse data.	**Data visualization** is the graphic representation of data. It involves producing images that communicate relationships among the represented data to viewers of the images.
https://en.wikipedia.org/wiki/Data_set	https://en.wikipedia.org/wiki/Data_cleansing	https://en.wikipedia.org/wiki/Data_visualization
Scopus http://scopus.com.proxy.findit.dtu.dk	OpenRefine http://openrefine.org/download.html	VOSviewer Visualizing scientific landscapes https://www.vosviewer.com/download

credit: https://flic.kr/p/2aB3ABj

Dagens tema i dag er søgning i Scopus

http://scopus.com.proxy.findit.dtu.dk



A Case for 15 minutes hands-on :

- Search in Scopus for ***David Bowie***

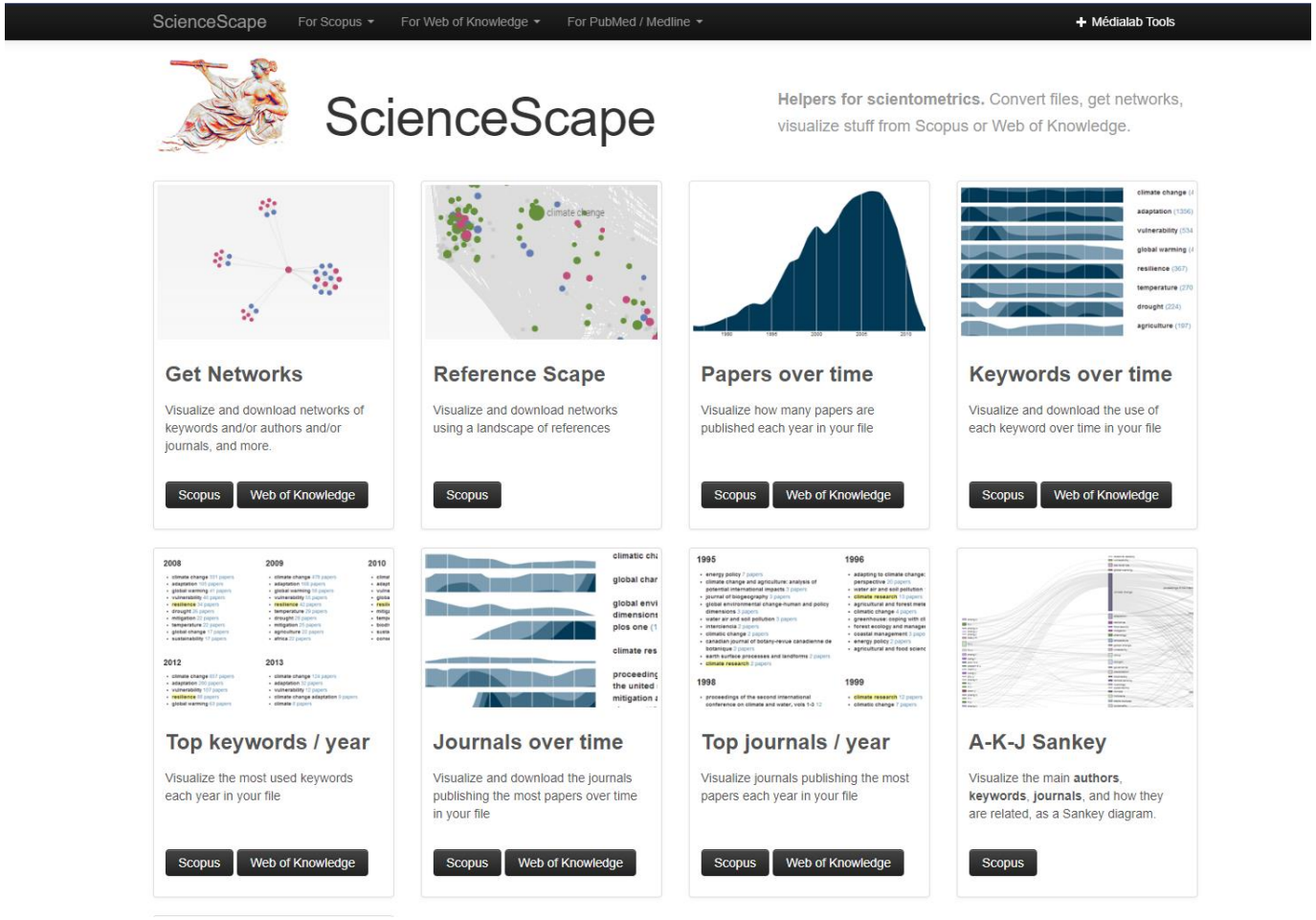
-> Use advanced search – follow the steps…

TITLE-ABS-KEY(david w/4 bowie) AND NOT AUTHOR-NAME(bowie)

- Look at the result, visualize via Scopus to be familiar with the result
- Download the result **as .csv file**
- Check the content via Excel if needed
- Save the file for next time… **as *.csv**

- If there is time, sign up with an account for Scopus
- Save the search in your profile for later

Bonus – for tracking keywords & visualisations



http://medialab.github.io/sciencescape/