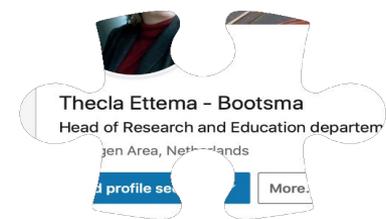
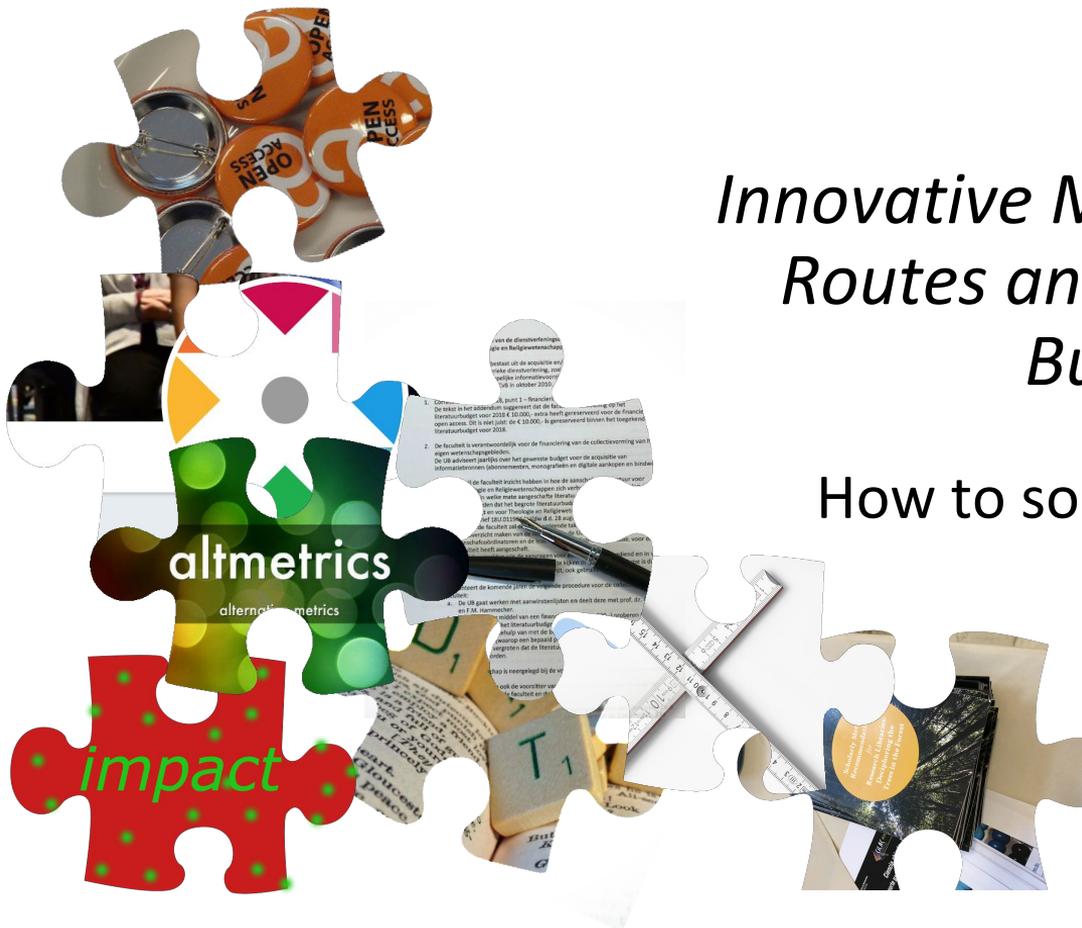


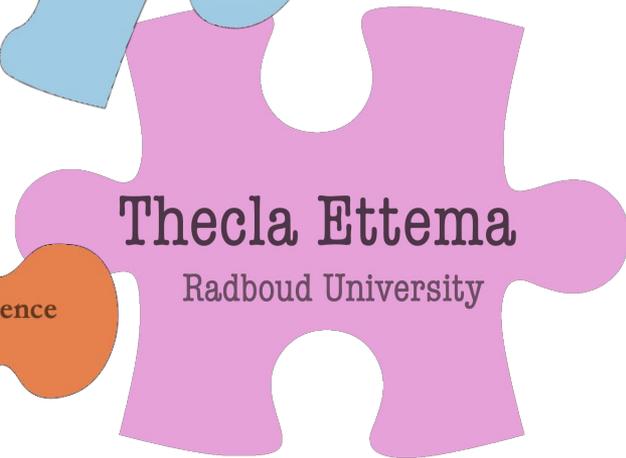
Innovative Metrics: Learning Routes and Competence Building

How to solve the puzzle?



Thecla Ettema - Bootsma
Head of Research and Education department
Research Area, Netherlands

[View profile](#) [More](#)



Outline

- How to build competence in the library ?



- How to build competence among researchers ?

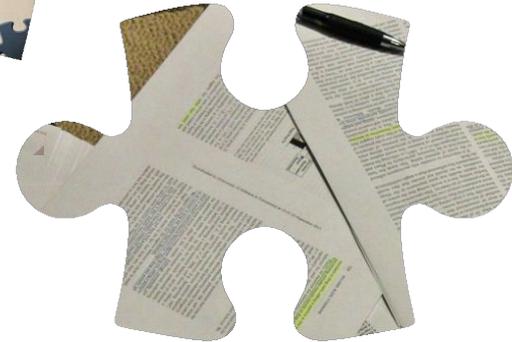
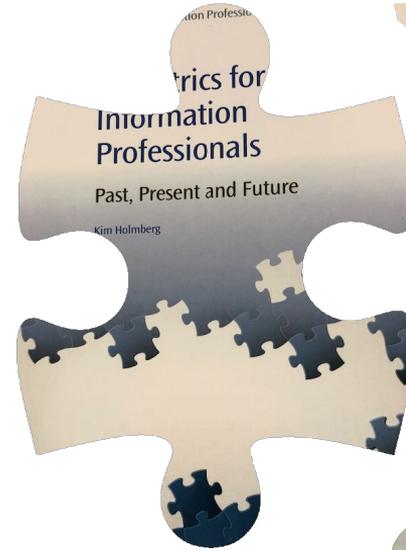
Competence building in the library: Challenges

- Career paths vary
- Lack of peers within the library
- Heterogeneous training landscape
- Sustainability and quality assurance of code



Routes for learning and competence building (1)

- Start with the right people
- Give space & facilitate
- Allow failure...



Routes for learning and competence building (2)

-Participate in Hack Days and Carpentries training activities!

- 1:AM - 5:AM Hack Day
- <https://carpentries.org/>

-Enroll in MOOCs!

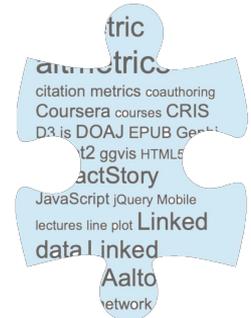
- <https://opensciencemooc.eu/>
- <https://coursera.org/specializations/jhu-data-science>



Routes for learning and competence building (3)

-Blog about your work!

- <http://musingsaboutlibrarianship.blogspot.com/>
- <https://blogs.aalto.fi/suoritin/author/sonkkilaaalto-fi/>
- https://subugoe.github.io/scholcomm_analytics/



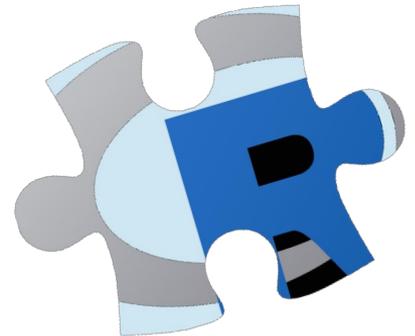
Routes for learning and competence building (4)

-Build an open source profile by sharing your analytical code and data (if possible)!

- <https://github.com/>

-Contribute to open science communities (use open source tools, ask questions, contribute to source code, build tools)!

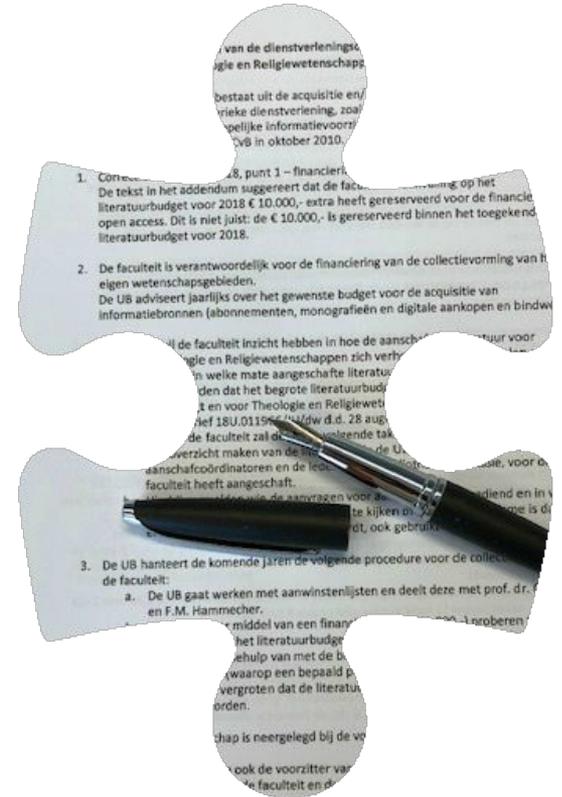
- <https://ropensci.org/>



Competence building among researchers

Some examples:

- Courses
- Online learning
- Personal Consultation Services (TIB)



Courses

- Open Science courses



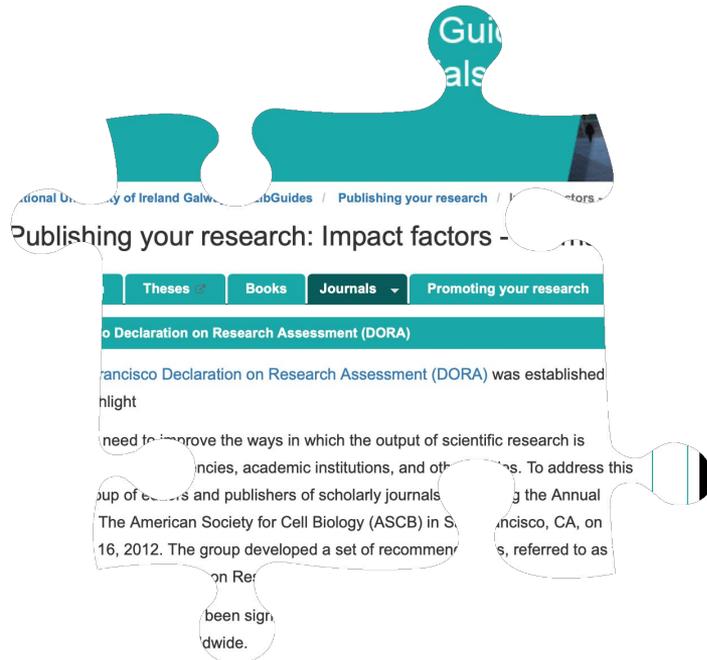
Introduction to Research Data Management
Writing a Data Management Plan
Introduction to Open Access
Planning research output
Documenting and organizing your data
Data storage and sharing during research
Where to publish in Open Access
Research ethics: personal data
Research ethics: informed consent
Predatory journals
Archiving research data at publication
Registering research output in RIS
Finding (Open Access) publications
Research ethics: copyright issues
Improving your impact

Online Learning

- For example: Libguides

National University of Ireland Galway

<https://libguides.library.nuigalway.ie/Publishingyourresearch/IF/alternativeviews>





Publishing your research: Impact factors - alternative views

- Introduction
- Theses
- Books
- Journals
- Promoting your research
- Open Access Publishing
- Predatory publishing
- Contact us
- Acknowledgements

San Francisco Declaration on Research Assessment (DORA)

The [San Francisco Declaration on Research Assessment \(DORA\)](#) was established in 2012 to highlight

“a pressing need to improve the ways in which the output of scientific research is evaluated by funding agencies, academic institutions, and other parties. To address this issue, a group of editors and publishers of scholarly journals met during the Annual Meeting of The American Society for Cell Biology (ASCB) in San Francisco, CA, on December 16, 2012. The group developed a set of recommendations, referred to as the San Francisco Declaration on Research Assessment”

The declaration has since been signed by individual researchers and institutions across a range of disciplines worldwide.

“The Journal Impact Factor, as calculated by Thomson Reuters, was originally created as a tool to help librarians identify journals to purchase, not as a measure of the scientific quality of research in an outlet. Many that intended it to reflect its intended

Nobel Laureates speak out against the role of impact factors in research.

"The research counts, not the journal."

THE NOBEL PRIZE INITIATIVE

Later bekijken Delen

The Research Counts, Not the Journal

Online Learning

- For example: Libguides



LibGuides / Impact Metrics / Altme

Impact Metrics



The graduate institute Geneva

http://libguides.graduateinstitute.ch/metrics/author_impact

Impact Metrics

[Home](#)

[Journal impact](#)

[Article Impact](#)

[Author Impact: h-index, g-index...](#)

[ORCID and Researcher Identifiers](#)

[Altmetrics](#)

[Controversies](#)

What are Altmetrics?

[An Overview](#)

[Advantages](#)

[Limits](#)

Altmetrics or **alternative metrics** measure the **attention a resource generates on the web**. These metrics **complement traditional metrics**.

What altmetrics count?

- **Usage:** the number of **views and downloads** where the resource is stored
- **Mentions:** the number of mentions on social media ([Twitter](#), specialised social media such as [Researchgate](#), blog posts), policy documents, mainstream media, Wikipedia articles, comments on peer review platforms such as [Pubpeer](#) or [Publons](#)
- **Captures:** the number of captures in **bookmarking tools** such as [Diigo](#) or **reference management tools** as [Mendeley](#) and [Citeulike](#)
- **Citations:** in [Google Scholar](#), [Scopus](#), [Web of science](#)



A beginner's guide to altmetrics



Later bekijken



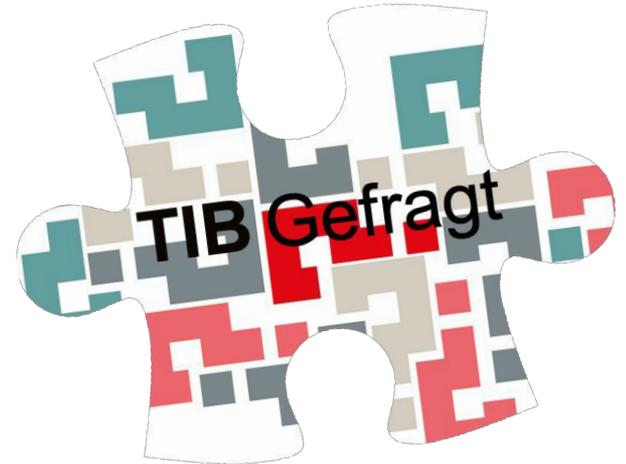
Delen

What are altmetrics?

Personal consultation services by TIB (1)

- Several examples from libraries around the world available; similar expert service in Germany first developed at Saxon State and University Library Dresden (SLUB)
- Personal consultation services (Ask TIB; in German: TIBgefragt)
- Carried out by TIB's staff members for
- Various stakeholders

<https://www.tib.eu/en/learning-working/tibgefragt/>



Personal consultation services by TIB (2)

- Services at TIB started in May 2019
- Online booking system (appointments of 30 minutes)
- Divided into TIB's key competence areas
 - 'Scientific Writing and Working'; 'Search and Find'; and 'Publishing and Archiving'

Including metrics-related topics

<https://www.tib.eu/en/learning-working/tibgefragt/>

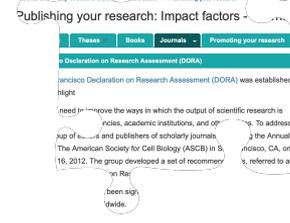
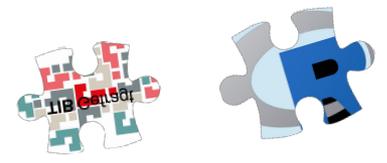


Personal consultation services by TIB (3)

Conclusions:

- Good opportunity to provide a service to various stakeholders and to foster competence building
- Outcomes will become visible during the following months





- Can you help us find the missing pieces?



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