

# Bridging Open Scholarship with Arts and Humanities research practices

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ACDH Tool Gallery 5.2  
Open Science methods & tools for DH scholars



Alternative title for this talk: DARIAH and her sister infrastructures: what's in them for you?

You can follow this presentation along here: [\[link to add\]](#)

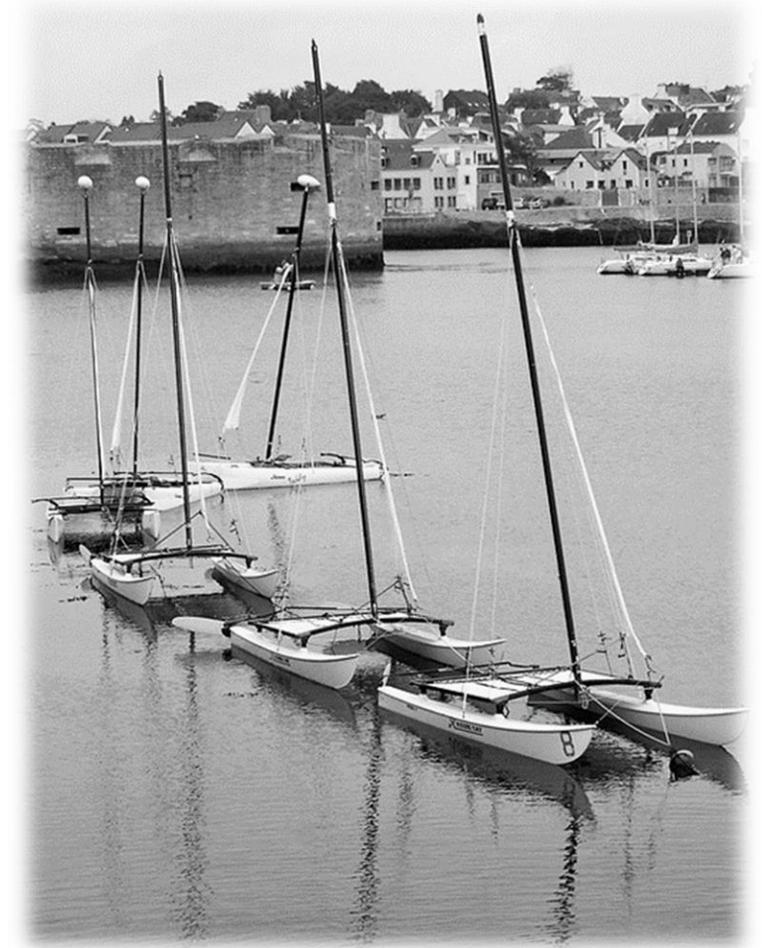
# Why we need research infrastructures and infrastructural thinking?

# Why Open Science really matters to me

Opening up access to scholarly knowledge is a **key value** of the academy in the 21st century.

Still, sometimes **we still need to cross actual, physical borders to cross virtual ones** (paywall) or access to undigitized cultural heritage materials.

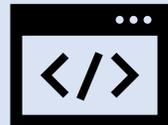
Luckily, things are changing.. .



# We no longer produce only scholarly outputs that can be placed on a bookshelf



publication



data, code, enrichments,  
data provenance, versioning



source materials



“Research outputs now encompass far more than what can be expressed in the 17th century construct of the research paper. Scholars deserve to be given credit for the many contributions they make above and beyond the articles.”

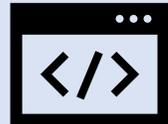
Paola Masuzzo: Open Science:  
a shift in conversation.

[10.5281/zenodo.3435019](https://doi.org/10.5281/zenodo.3435019)

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Where is the safe  
home for such a wide  
range of digital  
objects and the  
scholarship around  
them?

# Why we need infrastructures and infrastructural thinking?

- Production moves from shelves to computer racks.
- The researcher requirements in the 21st century are no longer covered completely by the library of the archive, not even the digital ones.
- Knowledge we create around digital objects happens in different contexts in different silos. How to connect the knowledge that has been created around certain digital objects?



# : a European research infrastructure consortium by researchers for researchers

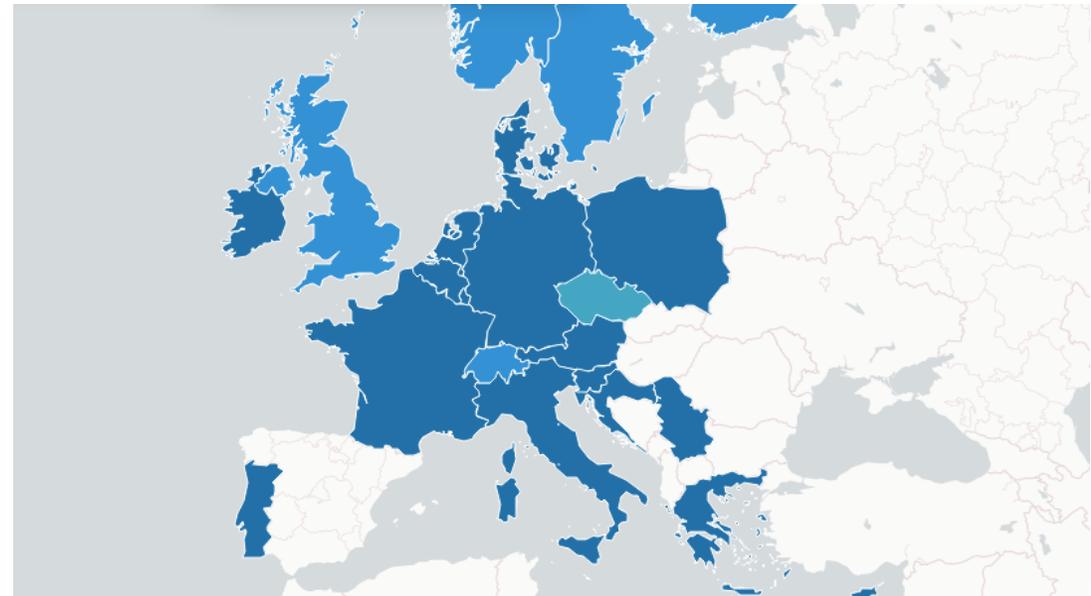
Mission: to empower arts and humanities research communities with digital methods to create, connect and share knowledge about culture and society.

- 17 member countries

Austria, Belgium, Croatia, Cyprus, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, Malta, Netherlands, Poland, Portugal, Serbia, Slovenia

- and 11 cooperating partners

Bulgaria, Czech Republic, Finland, Hungary, Israel, Norway, Romania, Spain, Sweden, Switzerland, United Kingdom



# 4 key areas of activities



Source: DARIAHStrategic Plan  
[https://www.dariah.eu/wp-content/uploads/2019/08/Strategic-Plan\\_2019-2026.pdf](https://www.dariah.eu/wp-content/uploads/2019/08/Strategic-Plan_2019-2026.pdf)

# DARIAH Working groups

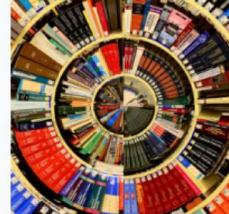
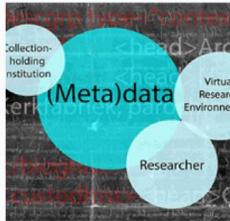
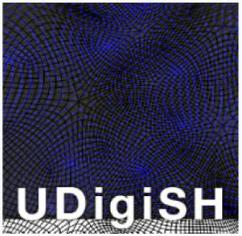
## Transnational Scientific Working Groups on Emergent Themes

### What makes them special?

- Self-organizing transnational research communities **based on shared research interests**
- **Connecting knowledge** around certain digital objects/topics that have been **created in different institutional silos**
- In many cases they develop, curate and maintain **research tools and educational materials**
- Ensure that we are **meeting the emergent needs of research communities** in and with the humanities
- **Open to anyone** with an interest for a specific topic → they add a social layer to the infrastructure.

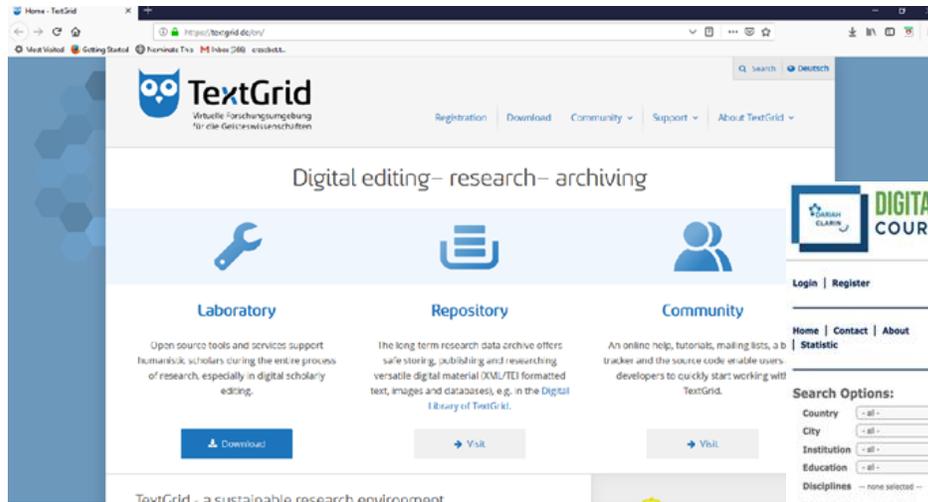


# DARIAH Working Groups

 <p>#dariahTeach</p>	 <p>Analyzing and linking biographical data</p>	 <p>Artificial Intelligence and Music (AIM)</p>	 <p>CENDARI Sustain</p>	 <p>Guidelines and Standards</p>	 <p>Image Science and Media Art Research</p>	 <p>Impact factors and success criteria</p>	 <p>Lexical Resources</p>
 <p>Community Engagement</p>	 <p>DH Course Registry</p>	 <p>Digital Methods and Practices Observatory (DIMPO)</p>	 <p>Digital Numismatics</p>	 <p>Mediaevalist's Sources (MESO)</p>	 <p>Sustainable publishing of (meta)data</p>	 <p>Text and Data Analytics</p>	 <p>Thesaurus Maintenance</p>
 <p>Digital Practices for the Study of Urban Heritage</p>	 <p>Ethics and Legality in the Digital Arts and Humanities (ELDAH)</p>	 <p>Federated Identity Management for DARIAH (FIM4D)</p>	 <p>GeoHumanities</p>	 <p>Visual Media and Interactivity</p>	 <p>Women Writers in History</p>	<div style="border: 2px solid #003366; padding: 10px;"> <p><b>Community calls</b> are a way to engage with stakeholders that work in dispersed or virtual teams (like the DARIAH WGs).</p> </div>	

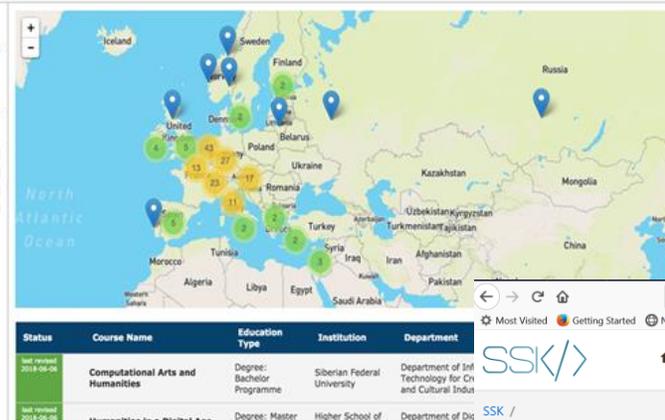
# Ways to interact with us...

...a teaser from our activities



<https://textgrid.de/>

 **DIGITAL HUMANITIES**  
COURSE REGISTRY



<https://registries.clarin-dariah.eu/courses/>

## Standardization Survival Kit

A collection of research use case scenarios illustrating best practices in Digital Humanities and Heritage research

 Browse scenarios

 Add a new scenario

 About the SSK

<http://ssk.huma-num.fr/#/>

# Where is Open Science in all this?

...everywhere!

Many components and values of the Open Science paradigm are **naturally and implicitly present in DARIAHs activities.**

In many cases, humanities scholars **already doing Open Science** without explicitly branding them as such.



Still, in many cases, there is a huge implementation gap between the core values of Open Science and our everyday research practices.

We frequently **encounter difficulties or even limitations** when aiming to translate these principles into their everyday scholarly practices.

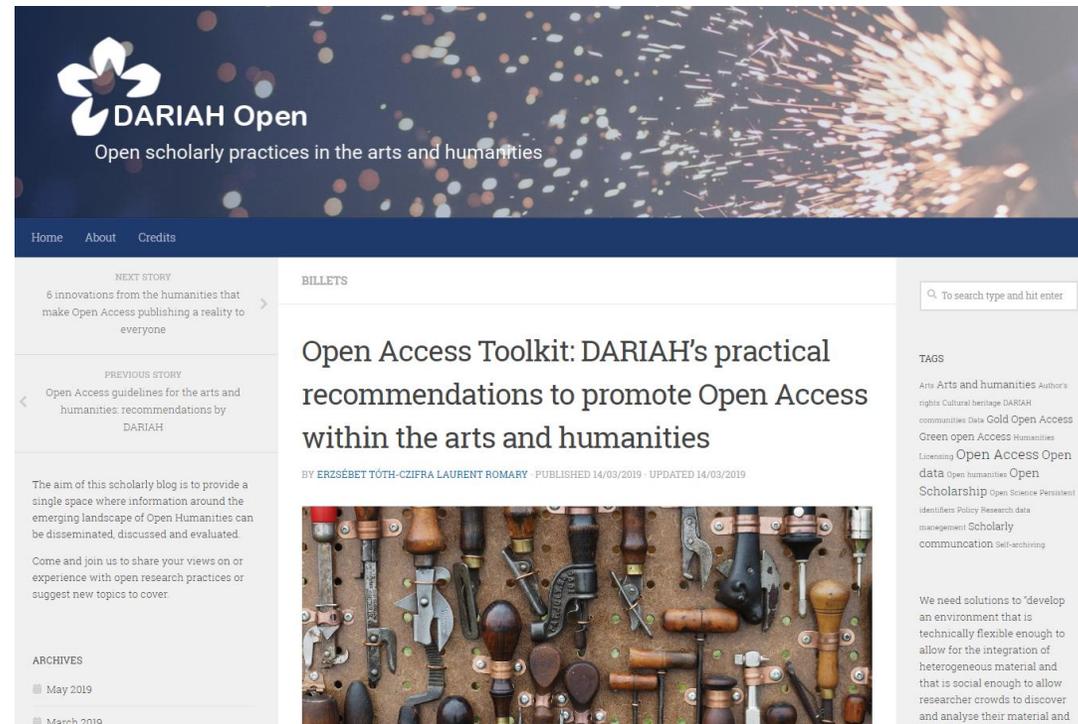
## The implementation gap



# Open Science made concrete

# A way to anchor Open Science in community practices: the DARIAH Open blog

A place to explore pathways to the open research culture as they specifically pertain to research communities in the arts and humanities.



News, resources, expert interviews, success stories but also debates on discipline-specific challenges from around Open Humanities.

# The Open Science Helpdesk

*You can send in your **questions and challenges** regarding all open issues via the **DARIAH Helpdesk***

Through this service scholars can turn to us with **questions and challenges** regarding all things open.

Later we also aim to **develop a knowledge base** from these questions.



# Why OpenMethods?

## A symptomatic tweet:



**Scott B. Weingart**  
@scott\_bot



A colleague and I have a chapter on literary network analysis forthcoming that, on account of a long delay in publication, has a footnote with the most controversy I've ever stuffed into a single sentence. Meep. Wish we had another few months and few thousand words to unpack it.

<sup>2</sup> Between this chapter's completion in early 2016 and its push to press in 2019, much has changed in the Literary Network Analysis landscape. Although a full treatment is beyond the scope of this chapter, "Distributed Character: Quantitative Models of the English Stage, 1550–1900" (Algee-Hewitt 2017), "Fictional Systems: Mass-Digitization, Network Analysis, and Nineteenth-Century Australian Newspapers" (Bode 2017), and "The Computational Case against Computational Literary Studies" (Da 2019) are worth special mention, as is the recent decentering of Moretti from the long narrative of Literary Network Analysis.

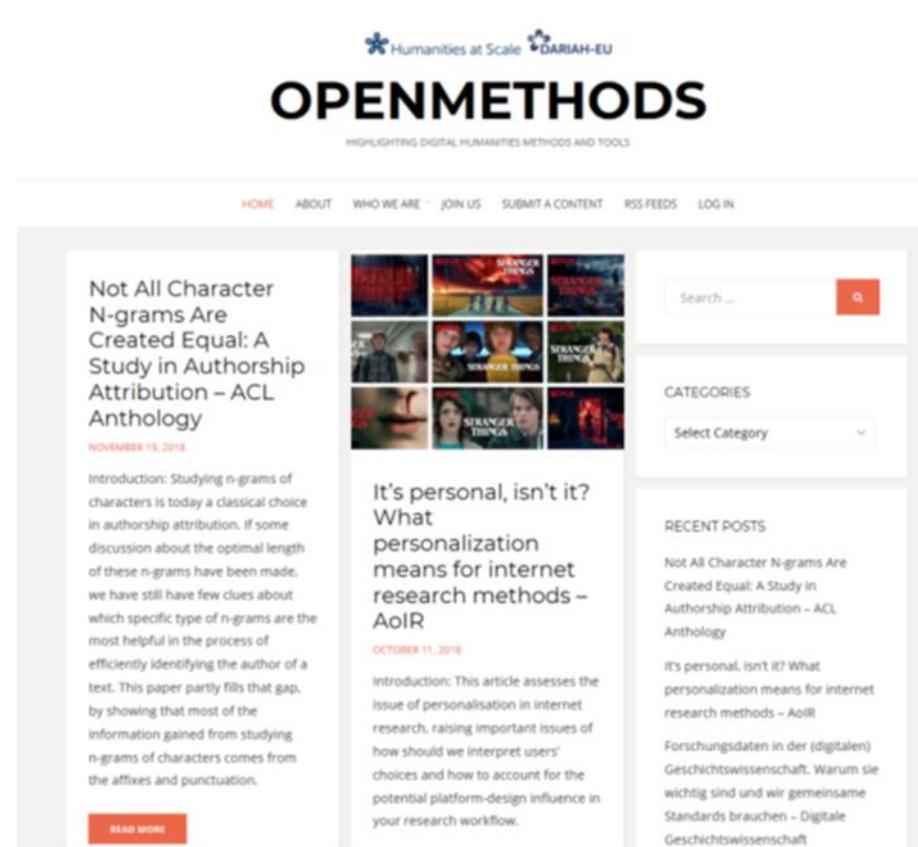
1:38 PM · Aug 5, 2019 · [Twitter Web App](#)

10 Retweets 46 Likes

# OpenMethods: highlighting Open Access content about Digital Humanities methods and tools

A resource for bringing together, highlighting and **community reviewing all formats of openly available digital publications** (blogs, preprints, research articles, videos etc.).

The real power of the platform lies in the community around it: our Editorial Team currently comprises **25 editors from 11 countries who speak a total of 16 languages**.



Multilingual character because **we know that not all the knowledge that counts are in English**.

**Follow/feed the blog:**  
**@openmethods\_dh**



<https://openmethods.dariah.eu/>

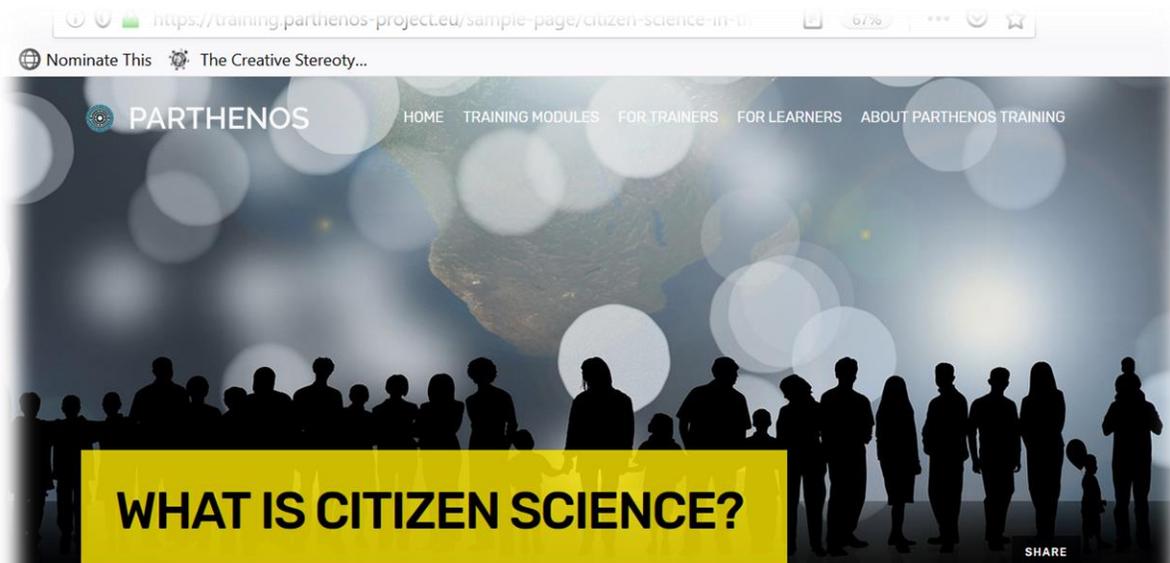
# Face-to-face and online trainings

**Providing guidance to researchers at all  
career stages and levels of expertise**

- Summer schools, winter schools, webinars, masterclasses
- Learn more at:  
<https://www.dariah.eu/tools-services/dariah-training/>
- <https://www.dariah.eu/events/>



Source: DARIAH



### Learning Outcomes

By the end of this section, you should be able to:

- Define what Citizen Science means in general and in your own research context
- Understand the sociocultural and technological factors/environment that are giving rise to Citizen Science
- Identify and describe the major stakeholder groups involved in Citizen science and their viewpoints
- Recognise the benefits of Citizen Science for practitioners, scholarly knowledge production in general

### BROWSE

Introduction to Research Infrastructures

Management Challenges in Research Infrastructures

Introduction to Collaboration in Research Infrastructures

Manage, Improve and Open up



# The bigger picture

# We are not alone!

## Our most important allies:



## Some of the projects, services and communities we build together:



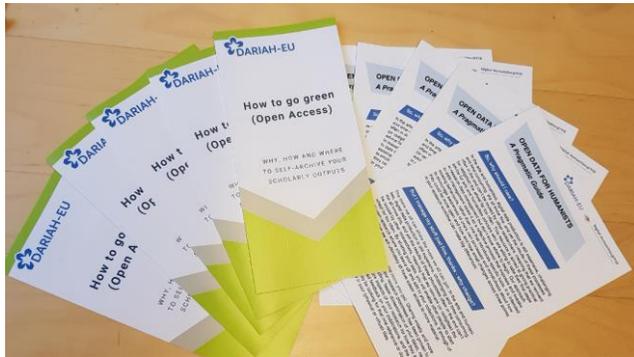
## Open + infrastructure

It's all about connecting:

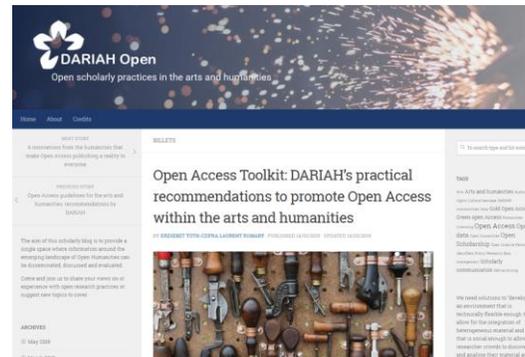
- People (of course, machines too)
- Different user communities with different services
- Knowledge and ideas

**Who  
could  
have  
never  
met  
before.**

# Ready, set, explore, reuse !



Self-archiving and open data management flyers.  
DOI: 10.5281/zenodo.2657248 and  
10.5281/zenodo.3070069



DARIAH Open blog  
<https://openmethods.dariah.eu/>



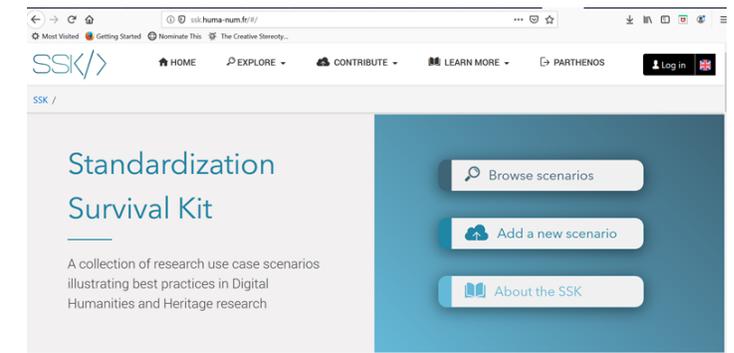
Parthenos Training Suite  
<https://training.parthenos-project.eu/>



OpenMethods platform  
<https://openmethods.dariah.eu/>



How to Facilitate Cooperation between Humanities  
Researchers and Cultural Heritage Institutions. Guidelines  
[10.5281/zenodo.2587480](https://zenodo.org/record/2587480).



The Standardization Survival Kit  
<http://ssk.huma-num.fr/#/>