Co-Designing Innovation Networks for Cross-Sectoral Collaboration on the Example of *exploreAT!*

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[TEEM'2017](#) Cádiz (ES)

Digital Methods and the Cultural Realm

How can we explore and extract cultural information using digital technologies?

How can we implement digital technologies to encourage participation and generate meaningful interactions with collections within the GLAM sector? (Galleries, libraries, archives, and museums)

How can we embed GLAM collections within a wider, accessible network of other cultural sources?

How can we apply Open Innovation methods and practices and add value to Humanities ?

How may we create an Open Innovation Research Infrastructure (OI-RI)?

Open Innovation (OI) and Open Science (OS)

Image above: European Commission, Open Innovation, Open Science, Open to the World – a vision for Europe, 2016, p. 13
Image below: Design Thinking.

<http://td4ed.businessinnovationfactory.com/curriculum>

Image: European Commission, Study on Open Science, 2015, p. 12.

The screenshot displays the Shiny web application interface for the 'röt' dataset. The main panel shows a map of Europe with a heatmap overlay representing 'Shiny relations for "röt"'. The heatmap uses a color scale from 0 (light blue) to 100 (dark blue). The map includes labels for major cities like Munich, Budapest, Vienna, and London. A sidebar on the left contains a legend for the heatmap, showing a color scale from 0 to 100. The sidebar also includes a 'Shiny relations for "röt" in male terms' section with a 'Show' button. The top of the interface shows the URL 'https://shiny.rwth-aachen.de/shiny/v1/1000' and the title 'Shiny relations for "röt" in male terms'. The bottom of the interface shows a 'Shiny relations for "röt" in male terms' section with a 'Show' button and a 'Shiny relations for "röt" in male terms' section with a 'Show' button.

Images: CC-BY-SA 4.0
Roberto Theron, Alex Benito,
Antonio Losada

exploreAT! and the cultural view

Linked Open Data

Image: CC-BY-SA Linking Open Data cloud diagram 2017, by Andrejs Abele, John P. McCrae, Paul Buitelaar, Anja Jentzsch and Richard Cyganiak. <http://lod-cloud.net/>

Expanding the Concept of ZBORZBIRK

zborzbirk

Kulturna dediščina v zbirkah med Alpami in Krasom
L'eredità culturale nelle collezioni fra Alpi e Carso

[Domov](#) [O projektu](#) [Zbirke](#) [Novice](#) [Zgodbe in podobe](#)

Zaskarca

Muzej Rateče, Rateče

Zaskarca za shranjevanje zaseke je bila last Janeza Kopavnika, ki je kot mnogi Ratečani delal v rabeljskem rudniku svinca. Na pokrovu iz klanega lesa je vrezana letnica 1786 ter Marijin in Kristusov monogram.

[Več >>](#)

Potential Use-Case: Topothek.at

Image: topotheque.at. <http://www.topotheque.at/en/>.

Last accessed 14 September 2017

Citizen Science in *exploreAT!*

- Co-designing Interfaces
- Experimental Humanities
- Opening up the Research Process

Image: Serrano Sanz, F., Holocher-Ertl, T., Kieslinger, B., Sanz García, F. & Silva, C. G. "White Paper on Citizen Science for Europe", 2014, p. 33.
http://www.socientize.eu/sites/default/files/whitepaper_0.pdf.

Interactive Installations

Image: CC-BY 2.0 Lotus 7.0 Interactive
Installation. Studio Roosegaarde with
Lotte Stekelenburg
[https://commons.wikimedia.org/wiki/
File:Lotus_7.0_interactive_installati
on_by_Roosegaarde.jpg](https://commons.wikimedia.org/wiki/File:Lotus_7.0_interactive_installation_by_Roosegaarde.jpg)

Cultural Exploration and Exploitation: Goals and Conclusions

- Cultural shift -> interaction among scholars, GLAM, and citizens → opening of the research process
- Meaningful interaction with digital technologies in museums
- Discovery and sharing of stories → change of cultural identity over time and space.
- Moving toward a networked knowledge community through OI-RI
- An Open Innovation approach to open new synergies and knowledge networks
- Opening the research process has already begun within the *exploreAT!* project through Children University Workshops in Austria.
- Participatory engagement work to be further embedded in wider European networks

Acknowledgements

exploreAT! is funded by the Nationalstiftung of the Austrian Academy of Sciences under the funding scheme: Digitales kulturelles Erbe, No. DH2014/22.

Thank you for your attention!

exploreAT! Project website
<https://exploreat.usa.es>

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Image below: Design Thinking. <http://td4ed.businessinnovationfactory.com/curriculum>

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