Citizen Science as an act of innovation
librarians, scientists and citizens claiming new knowledge structures

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440 libraries

One mission

DEVOTED TO OPEN SCIENCE
Our policies, tools and infrastructures are reshaping research processes and mindsets in favour of Open.

WORLD CLASS RESEARCH
We aim to enable outstanding research and, by extension, the growth and sharing of knowledge.
Vision
"Libraries Powering Sustainable Knowledge in the Digital Age"
LIBER Strategy '18-'22

• Open Access is the main form of publishing.
• Research Data is Findable, Accessible, Interoperable and Reusable (FAIR).
• Digital Skills underpin a more open and transparent research life cycle.
• Research Infrastructure is participatory, tailored and scaled to the needs of the diverse disciplines.
• Tomorrow’s cultural heritage is built on today’s digital information.
Open Science Roadmap

https://zenodo.org/record/1303002

Cultural Change

The openness I am advocating would be a giant cultural shift in how science is done, a second open science revolution extending and completing the first open science revolution, of the 17th and 18th centuries.⁴

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Topics of the Open Science Roadmap

- Scholarly Publishing
- FAIR Data
- Research Infrastructure & the EOSC
- Metrics & Rewards
- Open Science Skills
- Research Integrity
- **Citizen Science**
Promote the library as an active partner in Citizen Science and develop the necessary infrastructure to effectively support public researchers.

- Develop the right research -physical and digital- infrastructures.
- Recommend the right toolkits for Citizen Science.
- Provide and preserve tools, protocols and outcomes.
Recommendation 2 / 4

• Use the library as an organizing and managing body to ensure that responsible conduct and good scholarly practice are respected when participating in Citizen Science.

• Promote the right research ethics and integrity.
• Make Citizen Science-enabled data FAIR.
• Explore Citizen Science practices in various research fields.
• Develop a set of guidelines including methodologies and policies for Citizen Science activities involving the library.

• Incentivize and reward participation.
• Facilitate networking by bridging demand and supply.
• Support the evaluation of outcomes and processes > feed with results > iterate.
Recommendation
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• Develop the necessary skills to be a strong and active partner in Citizen Science.

• Skills and competencies development for librarians, researchers and -of course- citizens.

• Promote scientific understanding, rationalism and social engagement through Citizen Science.
Where do we imagine Citizen Scientists in the Research Life Cycle and how we support them?
Citizen Science as a Working Group in LIBER

Citizen Science is an innovation that can promote constructive changes of libraries, as envisaged in the OS Roadmap:

- Libraries as a Hub for digital skills and services
- Libraries as a Platform for innovative scholarly communication
- Libraries as Partners in research infrastructures
Critical questions

• What will be the role of libraries in terms of citizen education and instruction?
• What are the services needed to be deployed?
• Can libraries help Citizen Science initiatives to be viable, operational, as well as their results sustainable?
• How can libraries help various stakeholders in openly licensing their efforts?
• Can libraries help balancing the efforts in the various disciplinary and expand the practices of Citizen Science?
Thank you for your attention!

Questions?

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