# A Citizen Science Guide for Research Libraries

#CS4RL

From the [LIBER Citizen Science Working Group](https://libereurope.eu/working-group/liber-citizen-science-working-group/).

A book to be released incrementally in sections before the end of 2021.

## Invites to contribute

Contributions are warmly welcomed by the editorial board on ideas or examples of connecting the public with research library activities. The publication will be peer reviewed and has an editorial board as well as external reviewers – details will be announced soon.

## Mission statement

The guide is designed to be a practical and compact gateway publication for the purpose of assisting research libraries to start setting up a Citizen Science programme.

Citizen Science for research libraries is a way to build new and more engaged audiences as a way to establish new links between science and society.

The guide will address the unique context of research libraries – as becoming the ‘go to place’ for the new and exciting Open Science data world that is opening up to the wider public.

As a starting point the guide will use four recommendations for Citizen Science from the [*LIBER Open Science Roadmap*](https://doi.org/10.5281/zenodo.1303002): infrastructures; good scientific practice; guidelines, and; skilling.

## Contents

The content will be organised around the following four main sections and release in sequential modules for reuse:

1. **Infrastructures:** As being active in the development of infrastructure for researchers to carry out Citizen Science;
2. **Good [open] scientific practice:** as managing bodies around knowledge libraries that can translate good [Open Science] scholarly practice into new Citizen Science fields;
3. **Guidelines:** develop guidelines for Citizen Science activities involving the library, and;
4. **Skills:** Citizen Science skills development for staff, researchers, and public.

## Contact

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## Roadmap

First section will be released mid-April 2021, with the publication released as a first full version by the end of 2021.

## Production

The book is intended as a short guide and will be approximately one hundred pages in length. The publication will be produced as multi-format and multi-channel (print-on-demand, PDF, Webbook, website, eBook, and as a Jupyter Book – and will be technically designed for reuse, for example in – community translations or in MOOCs.

Book sections will be released incrementally as they are ready. Ideally the book will become a community owned publication with regular updates.

## Acknowledgements

We would like to acknowledge [The Library & Community Guide to Citizen Science](http://media.scistarter.org/curated/The+Library+and+Community+Guide+to+Citizen+Science.pdf) published by [SciStarter](https://scistarter.org/) as an inspiration for the idea for our publication. Additionally [The Turing Way](https://the-turing-way.netlify.app/welcome) from the Alan Turing Institute is worth mentioning as a community model of open science publishing that we look to emulate.

## An Open Science publication

The publication will be produced as an Open Access publication and use Open Science practices – where appropriate – to ensure the research is open and reusable as possible, including: open data, open standards, PIDs, open peer review, open source software, and open methods, etc.

© 2021 the authors. All content licensed Creative Commons: Attribution-ShareAlike 4.0 International (CC BY-SA 4.0), unless otherwise stated. <https://creativecommons.org/licenses/by-sa/4.0/> | Publication: <https://github.com/CitSci-WG/guide>

## References

Ayris, Paul, Bernal, Isabel, Cavalli, Valentino, Dorch, Bertil, Frey, Jeannette, Hallik, Martin, Hormia-Poutanen, Kristiina, et al. “LIBER Open Science Roadmap”. Zenodo, July 2, 2018. doi: <https://doi.org/10.5281/zenodo.1303002>. Page 29.

Cavalier, Darlene, Caroline Nickerson, Robin Salthouse, and Dan Stanton, eds. The Library & Community Guide to Citizen Science. SciStarter, 2020 (Revised 2021). <http://media.scistarter.org/curated/The+Library+and+Community+Guide+to+Citizen+Science.pdf>.

Arnold, Becky, Louise Bowler, Sarah Gibson, Patricia Herterich, Rosie Higman, Anna Krystalli, Alexander Morley, Martin O’Reilly, Kirstie Whitaker, and The Turing Way Community. The Turing Way: A Handbook for Reproducible Data Science, 2019. <https://doi.org/10.5281/zenodo.3233986>.

## Notes - will move to main doc after meeting

1. Editor-in-chief (you) -> brief role description -> e.g. in charge of peer review board, publishing, over all content, publication plan etc.

Who

Role

Duties

2. Editorial committee -> small: e.g. Paul (chair), people in charge of sections - brief role description:

A chair

Who

Role

Duties

Purpose

a. Editorial policy -> overall form, publishing methods, stylesheet, consultancy on templates -> can we obtain a template?

b. Peer-review policy

c. In charge of templates for their own sections

d. Milestone in terms of meetings

e. Advising and assisting on dissemination

PS: Members of the committee can also do peer-review

3. Contributors

a. LIBER call of action

b. Brief role description

c. To abide by the template

Clear and

4. Peer reviewers

External people - maybe bring people in, advocacy.

a. Recruitment

b. Need to be in the loop on editorial policy

X. Advisory Board

* People might be on both

X. Content sections

Organise the content

* LIBER 2021 - areas
* Work out sections
* Call sections
* What sections merge
* Who could cover these
* Themes -

4a. Editorial content strategy / policy

* Contributor guidelines - make precise - these types of sections, written in a specific manner, peer review policy, mission - ideas
* Looking to achieve practicality
* Role of the editor
* Style guide for a sections
* Limited
* Simple steps
* What we need from people’s contributions
* What is the process: communicate well
* ½ page policy

5. Milestones

6. The process of how to deal with contributions

a. TBD.

Dissemination

Recruit, divide task

Bringing in partners

Being an open project