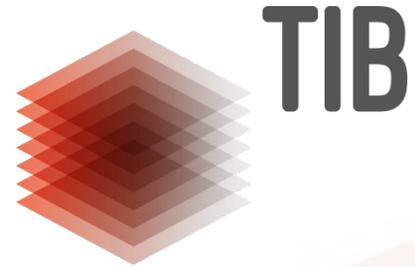LEIBNIZ-INFORMATIONSZENTRUM
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# Citizen Science for Research Libraries–A Guide

**#CS4RL | A peer-reviewed Open Access publication**

Simon Worthington, ORCID 0000-0002-8579-9717 – T: @mrchristian99
Open Science Lab, TIB – German National Library of Science and
Technology. Berlin, 24 June 2021

Leibniz
Gemeinschaft

# Editorial

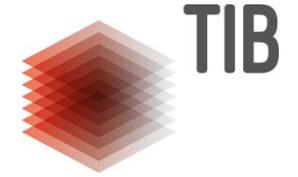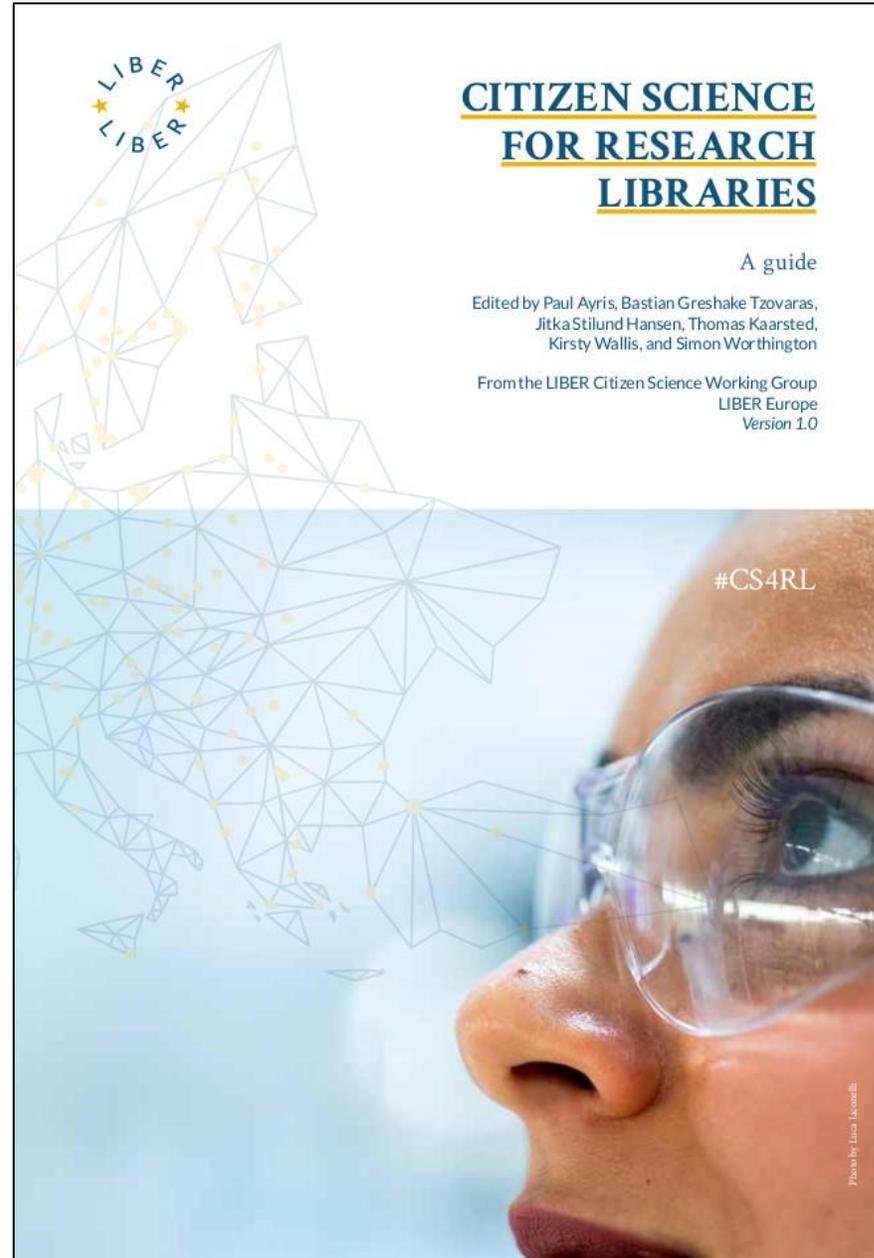## A book in four sections released over 2021

- **Citizen Science skilling for staff, researchers, and the public – July**

- **Citizen Science research infrastructure – Sept**

- **Good (Open Science) scholarly practice in Citizen Science – Oct**

- **Guidelines for Citizen Science programme development in libraries – Nov**

**Co-Editors-in-Chief Simon Worthington, TIB and Thomas Kaarsted, University of Southern Denmark (SDU)**



**CITIZEN SCIENCE FOR RESEARCH LIBRARIES**

A guide

Edited by Paul Ayris, Bastian Greshake Tzovaras, Jitka Stilund Hansen, Thomas Kaarsted, Kirsty Wallis, and Simon Worthington

From the LIBER Citizen Science Working Group
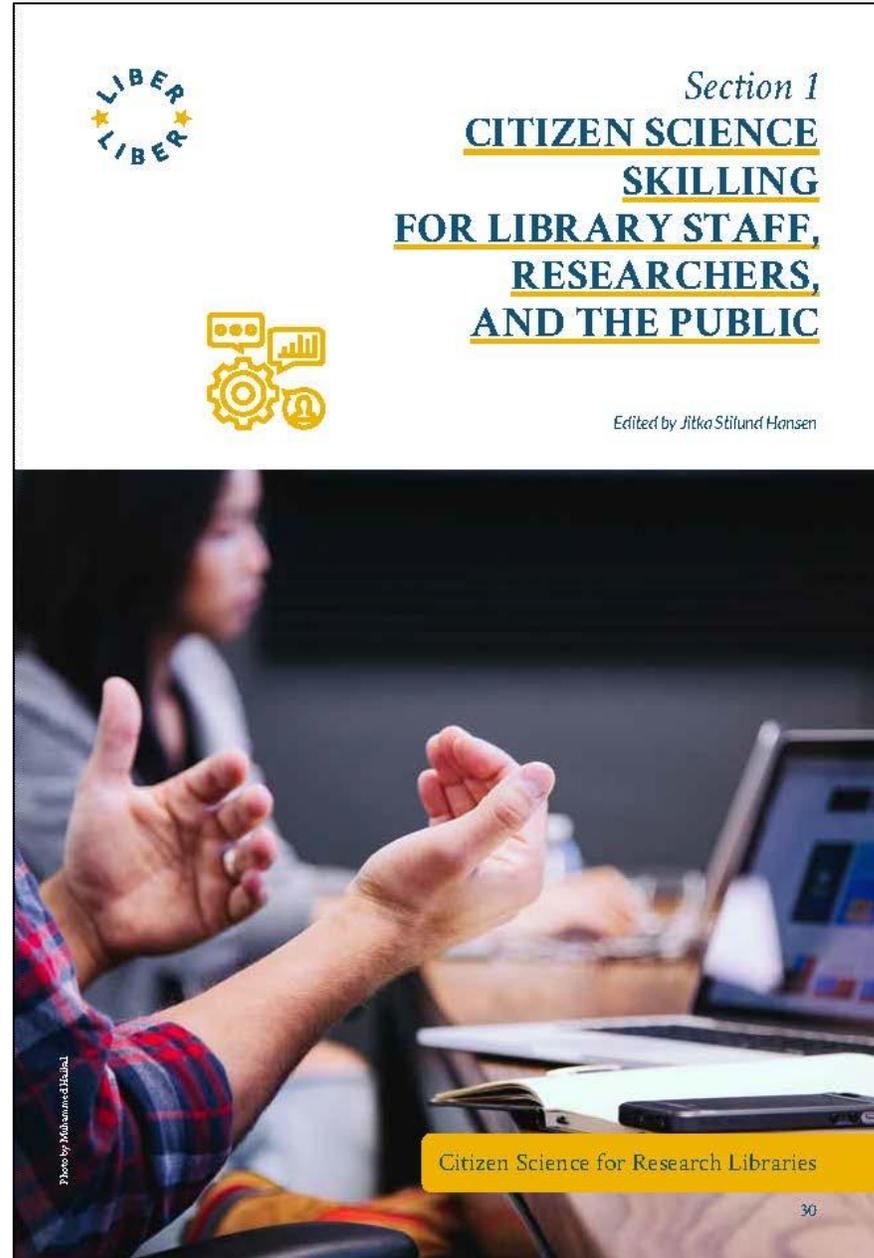LIBER Europe
Version 1.0

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# Citizen Science skilling for staff, researchers, and the public

**Section editor:**
**Jitka Stilund Hansen,**
**Technical University of Denmark**
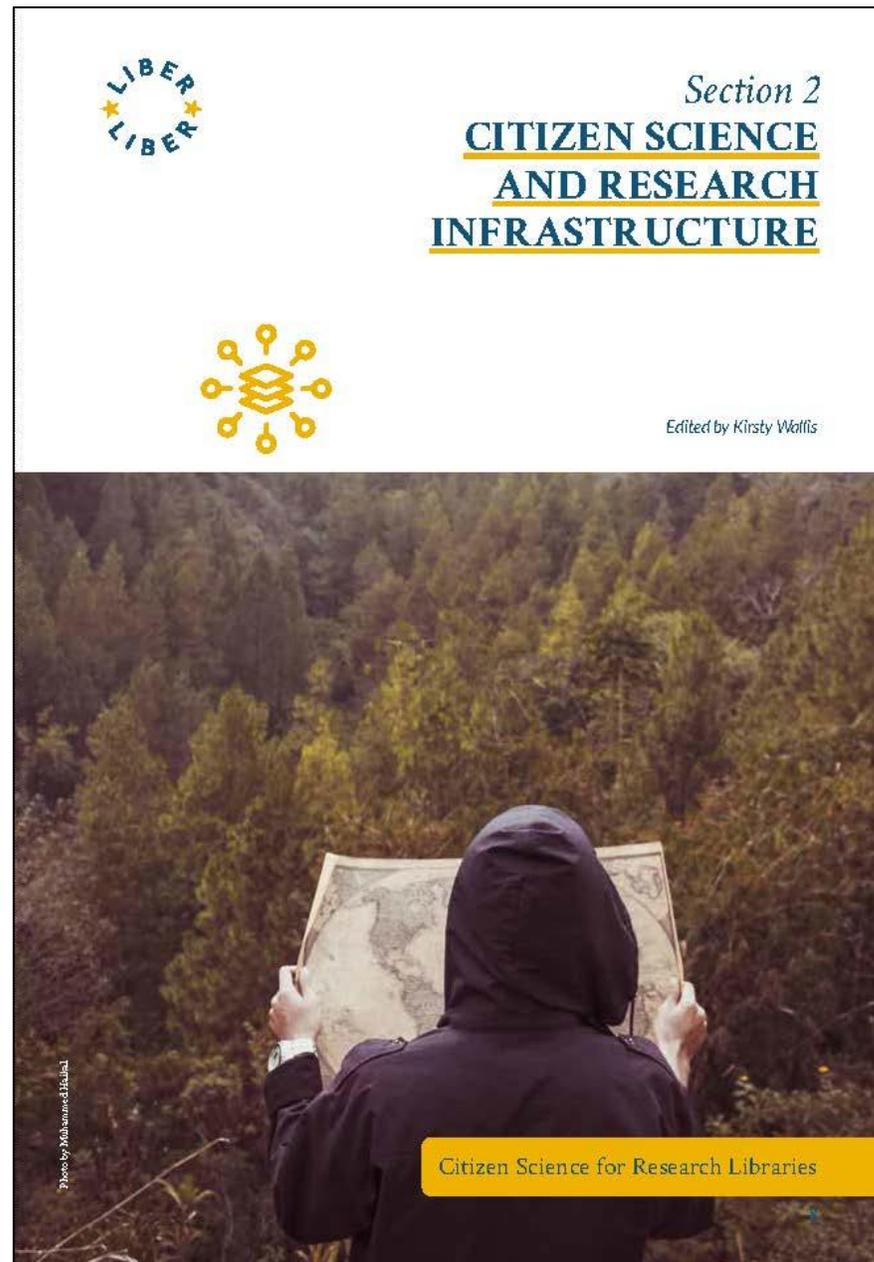
**July 2021**



Section 1
CITIZEN SCIENCE SKILLING FOR LIBRARY STAFF, RESEARCHERS, AND THE PUBLIC

Edited by Jitka Stilund Hansen

Citizen Science for Research Libraries

30

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# Citizen Science research infrastructure

**Section editor:**
**Kirsty Wallis,**
**University College London**

**Sept 2021**



Section 2
**CITIZEN SCIENCE AND RESEARCH INFRASTRUCTURE**

Edited by Kirsty Wallis

Citizen Science for Research Libraries

Photo by Mohammed Hallal

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# Good (Open Science) scholarly practice in Citizen Science

**Section editor:**
**Bastian Greshake Tzovaras, OpenHumans**

**Oct 2021**



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*Section 3*
**GOOD (OPEN SCIENCE) SCHOLARLY PRACTICE IN CITIZEN SCIENCE**

Edited by Bastian Greshake Tzovaras

Photo by Priscilla du Preez

Citizen Science for Research Libraries

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# Guidelines for Citizen Science programme development in libraries

**Section editor:**
**Paul Ayris,**
**University College London**

**Nov 2021**



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# COVID and the New-Normal

## Leave no one behind (#LNOB)

**Leave no one behind is the central, transformative promise of the 2030 Agenda for Sustainable Development and its Sustainable Development Goals (SDGs).**
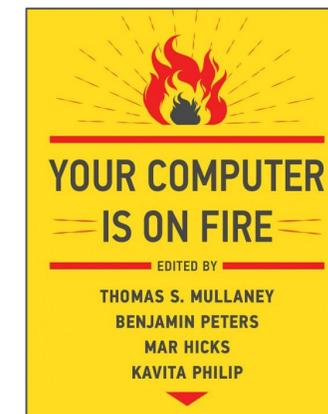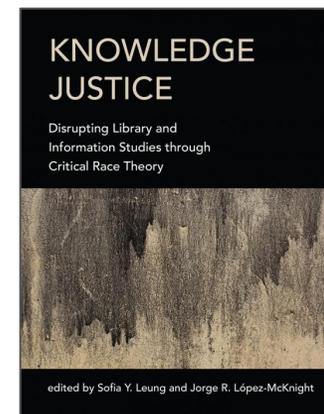
UNSDG and the 2030 Agenda
https://unsdg.un.org/2030-agenda/universal-values/leave-no-one-behind

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Paola Chiara Masuzzo keynote speaker, Open Science as a driver to change? ON-MERRIT project, 2021. Creative Commons Attribution licence (reuse allowed)
https://www.youtube.com/watch?v=M9IkfBp5q5A

Knowledge Justice: Disrupting Library and Information Studies through Critical Race Theory, MIT Press

Your Computer Is on Fire, MIT Press



together

build alliances
get involved
get educated
speak up, if you can
take care of yourself



KNOWLEDGE JUSTICE

Disrupting Library and Information Studies through Critical Race Theory

edited by Sofia Y. Leung and Jorge R. López-McKnight



YOUR COMPUTER IS ON FIRE

EDITED BY

THOMAS S. MULLANEY
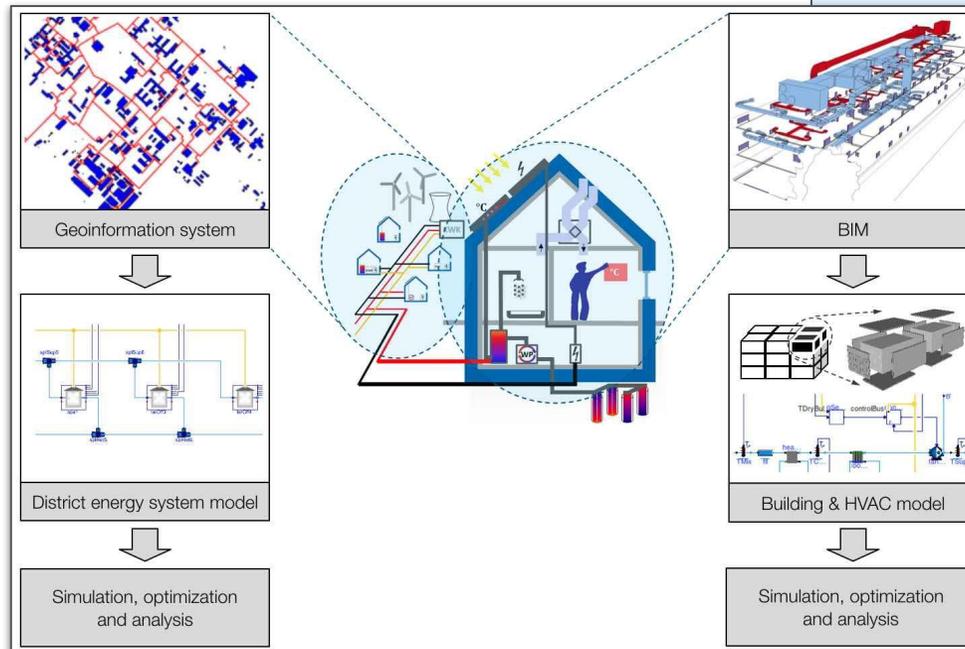BENJAMIN PETERS
MAR HICKS
KAVITA PHILIP

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# Who is to be the trusted data handler?

**Open data, research, and tools can cover fitness, health, housing and at times need civic public decisions to be made about questions that are not easy answer.**

IBPSA Project 1 will create open-source software that builds the basis of next generation computing tools for the design and operation of building and district energy and control systems.
https://ibpsa.github.io/project1/index.html#





Conventional wearables        Future ecosystem

A Survey on Wearable Technology: History, State-of-the-Art and Current Challenges, 2021, https://doi.org/10.1016/j.comnet.2021.108074
Attribution 4.0 International (CC BY 4.0)

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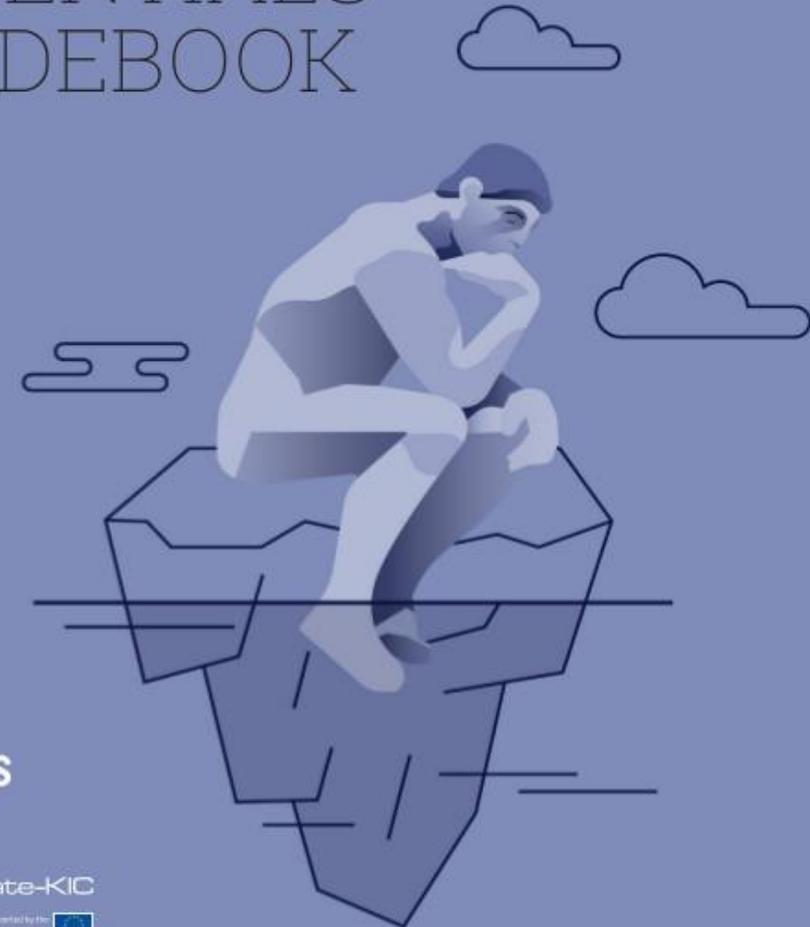
# Climate Change / transition

**How to engage with social movements like the Climate Strike to provide pathways to science engagement and learning for better understanding of local and global climate issues.**

**With a mirriad of Open Science tools and resources how can researchers and the public navigate this new space.**

Thousands rally across Cologne Germany during a Fridays for Future Climate strike. (Photo: Marco Verch, Flickr, CC BY 2.0)

MUSEUMS ON THE CLIMATE JOURNEY ESSENTIALS GUIDEBOOK

Produced by
WE ARE MUSEUMS

Supported by
eit Climate-KIC
Climate-KIC is supported by the EIT, a body of the European Union

In collaboration with
Ki Culture

Museums Facing Extinction
https://wearemuseums.com/museums-facing-extinction

# Building a Community Owned Publication

## *The Turing Way* - Make use of existing models of publishing

'*The Turing Way* is a lightly opinionated guide to reproducible data science'.
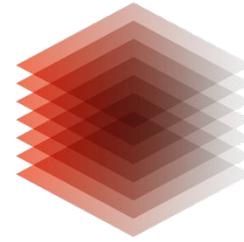
### Collaborations and partnerships:

- Consulting with COPIM (Community-led Open Publication Infrastructures for Monographs) on Open Peer Review and Community Ownership.
- Publishing as multi/format and multi/channel using Open Science Lab, TIB, 'ADA Semantic Publishing Pipeline' and run BarCamp with GenR.
- Partnerships being put in place with SciStarter and ECSA.



*The Turing Way* (community around a publication)
https://the-turing-way.netlify.app/introduction/introduction.html

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# Thank you!

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