

**12a JORNADA de BONES
PRÀCTIQUES del CRAI
de la UB
#12jbpCRAIUB**

Fem Comunitat

**Creació de comunitats, biblioteques
universitàries i ciència ciutadana:
marc, exemples i visió de futur**

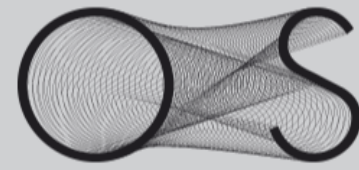
Isabelle Bonhoure

**OpenSystems, Universitat de
Barcelona**

CRAI

Centre de Recursos per a
l'Aprenentatge i la Investigació
UNIVERSITAT DE BARCELONA





SMACXS
Stochastic Methods And Citizen science practices in the study of social Complex Systems poses the two questions: How can we adopt participatory and inclusive practices to the study of social complex systems? Which stochastic methods and models shall be then considered and how?

Cròniques de la calor

Cròniques de la Calor
The project documents the heat in public space and on a micro-scale, with the help of the most affected neighborhoods and taking into account their knowledge on the ground. Geo-located data is obtained that also reflects the thermal comfort of the participants.



OPUSH
A JPI Urban Europe project that analyzes the role of Open Urban Sustainability Hubs with the cooperation between universities, libraries, museums, city administration, and with citizen social science approaches.



SENSE.
This Horizon Europe project sets a new European roadmap to STEAM Education that puts forward an art-integrative science education, grounded into a sensory and participatory approach to STEAM education.



Citizen Science NOW
An Erasmus+ project that explores potential futures in broader citizen involvement in citizen science and identifies the citizen competencies needed to move forward. The project develops digital resources for citizen science training.



CoAct for Mental Health
The project investigates the social support networks in mental health. People experiencing mental health problems and their families are placed at the centre, as Co-Researchers. Their personal lived experiences are shared through a chatbot.



CoAct
CoAct, Co-designing Citizen Social Science for Collective Action, is a project of the European Commission's Horizon 2020 Swafcs programme that links for the first time universities, research centres and social entities around citizen social science.



UrGENTestimar
Art and science come together to open the festival FiraTàrrrega 2017. Synchronize and amplify the heartbeat and look into each other's eyes in search of cooperation and complicity: a study on love and coexistence because it is urgent to love.



consCIÈNCIES a la plaça
In a plaza, there are some characters and an ephemeral device. A game questions the neighbors with situations in which the characters do not know what to do. There are a number of situations of gender violence.



Voices among walls
A women's prison turned into a scenic and scientific venue. An intervention with audience that connects the in-walls with the outside through sound, emotions and shared social dilemmas.



Neighborhood water
How would you react if you woke up and did not have water? A citizen science experiment with Associació Educativa Ítaca and Museu de les Aigües.



Citizen Science in Action
Co-creation project that aims to make the library a community meeting point for the generation of new scientific knowledge for social change.



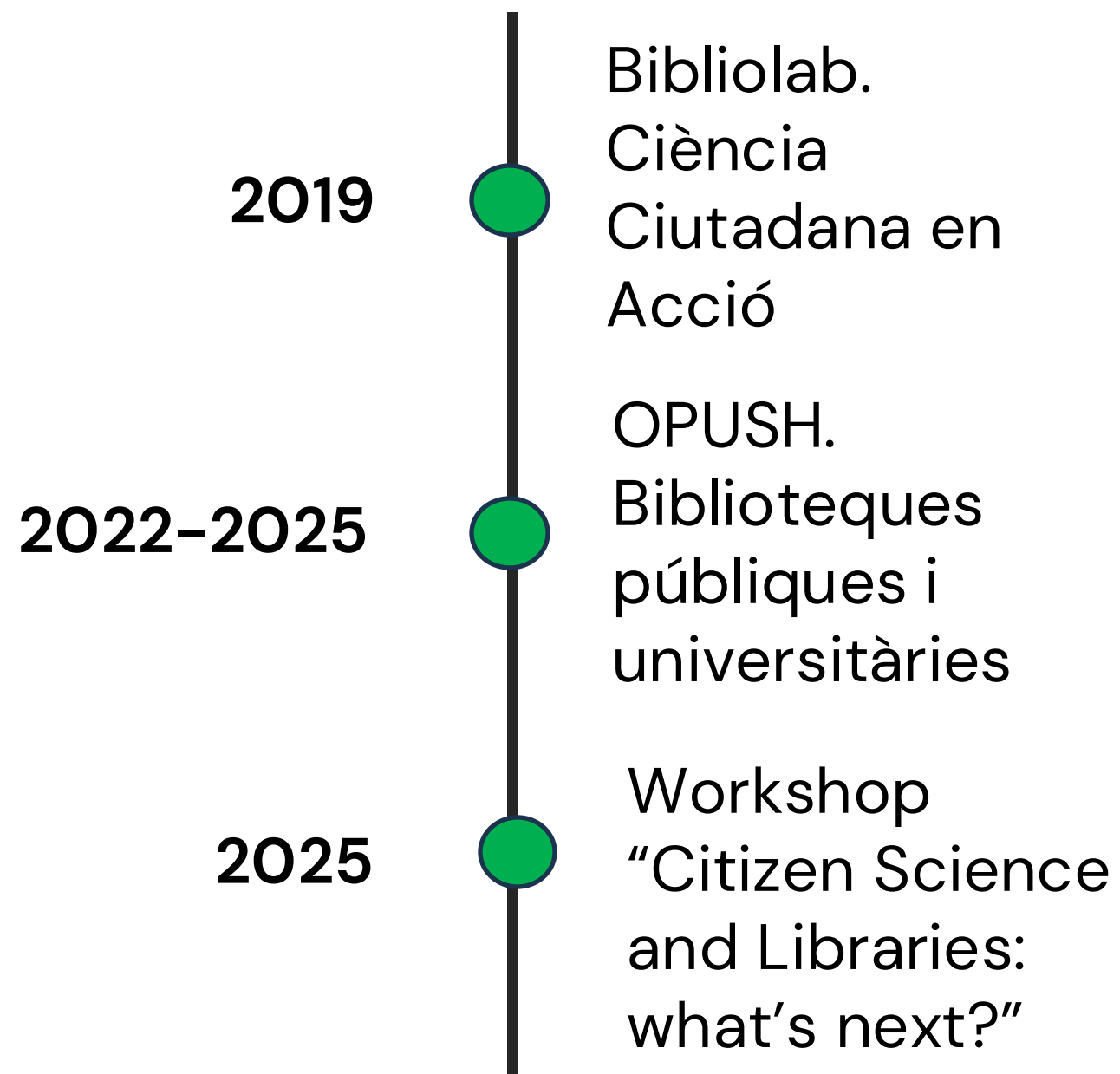
ESTACIÓ

OpenSystems group
<https://www.ub.edu/opensystems>

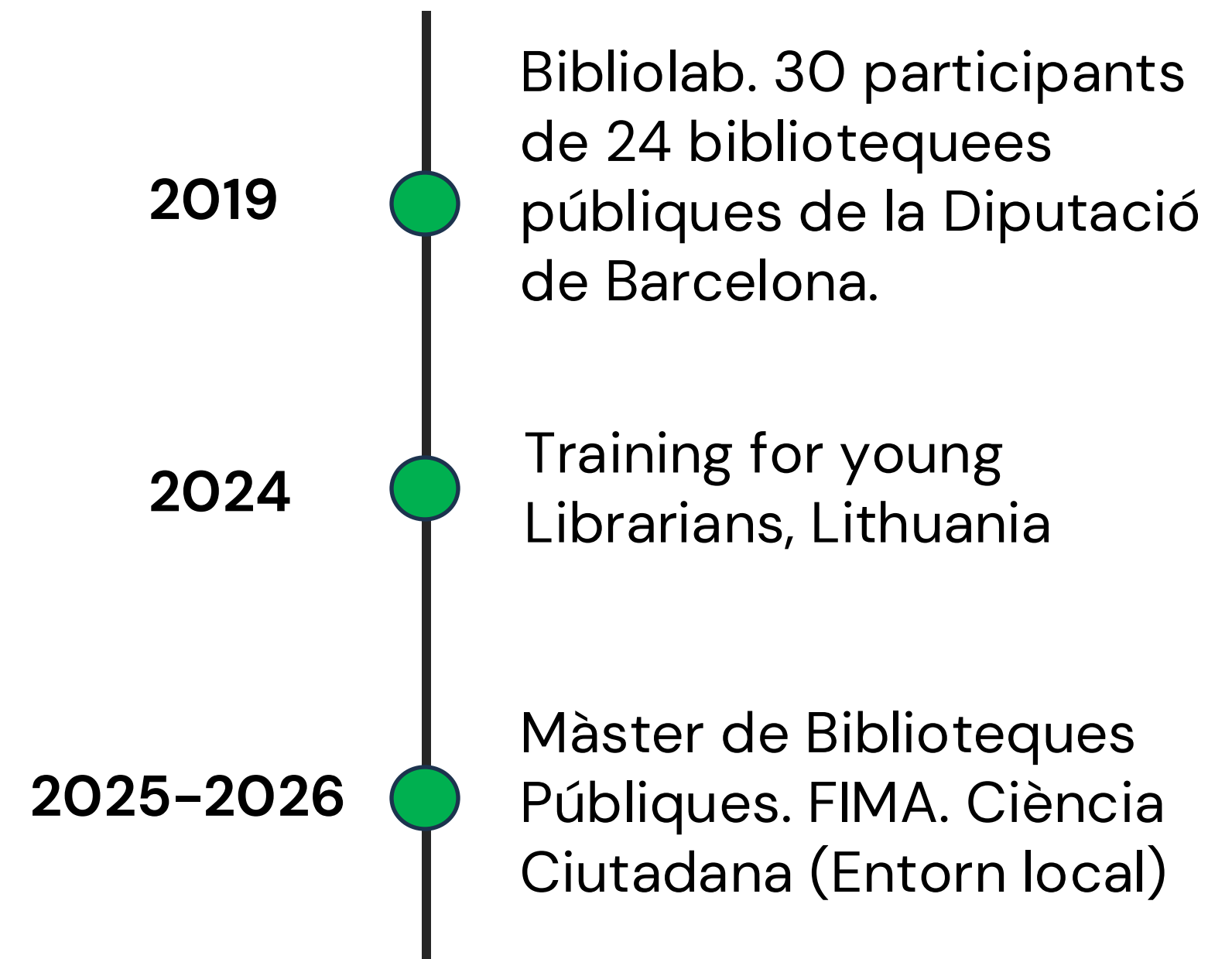


Col·laboracions amb biblioteques

Projectes de recerca



Capacitació i docència



Què és la ciència ciutadana?

Fonaments històrics i evolució

Creació de comunitats en ciència ciutadana

Biblioteques i comunitats

Rellevància de la comunitat

Entorn local, comunitats i biblioteques

Ciència ciutadana, biblioteques i creació de comunitats

Oportunitat conjunta biblioteques i ciència ciutadana

Exemples de projectes

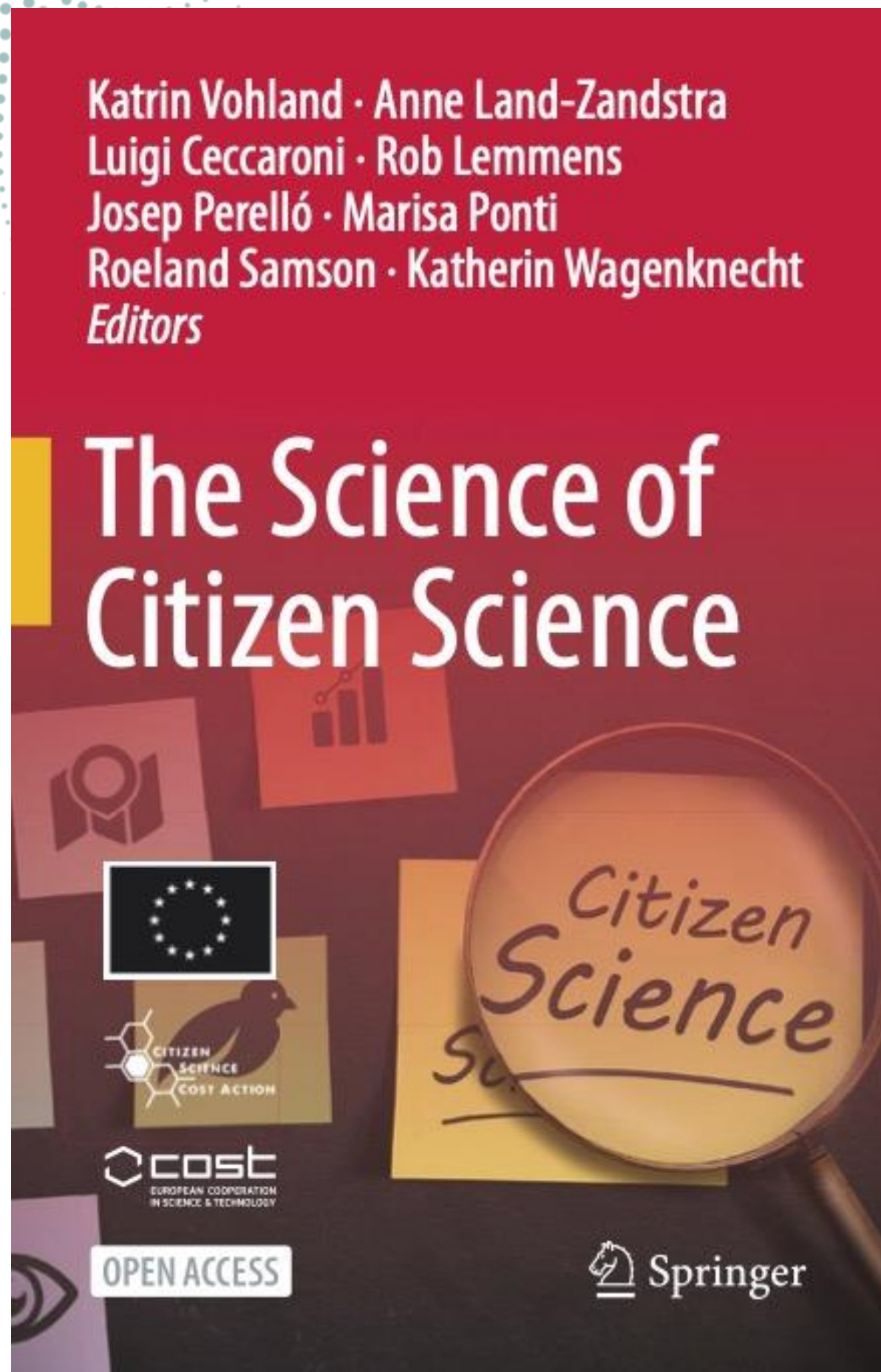
Visió de futur

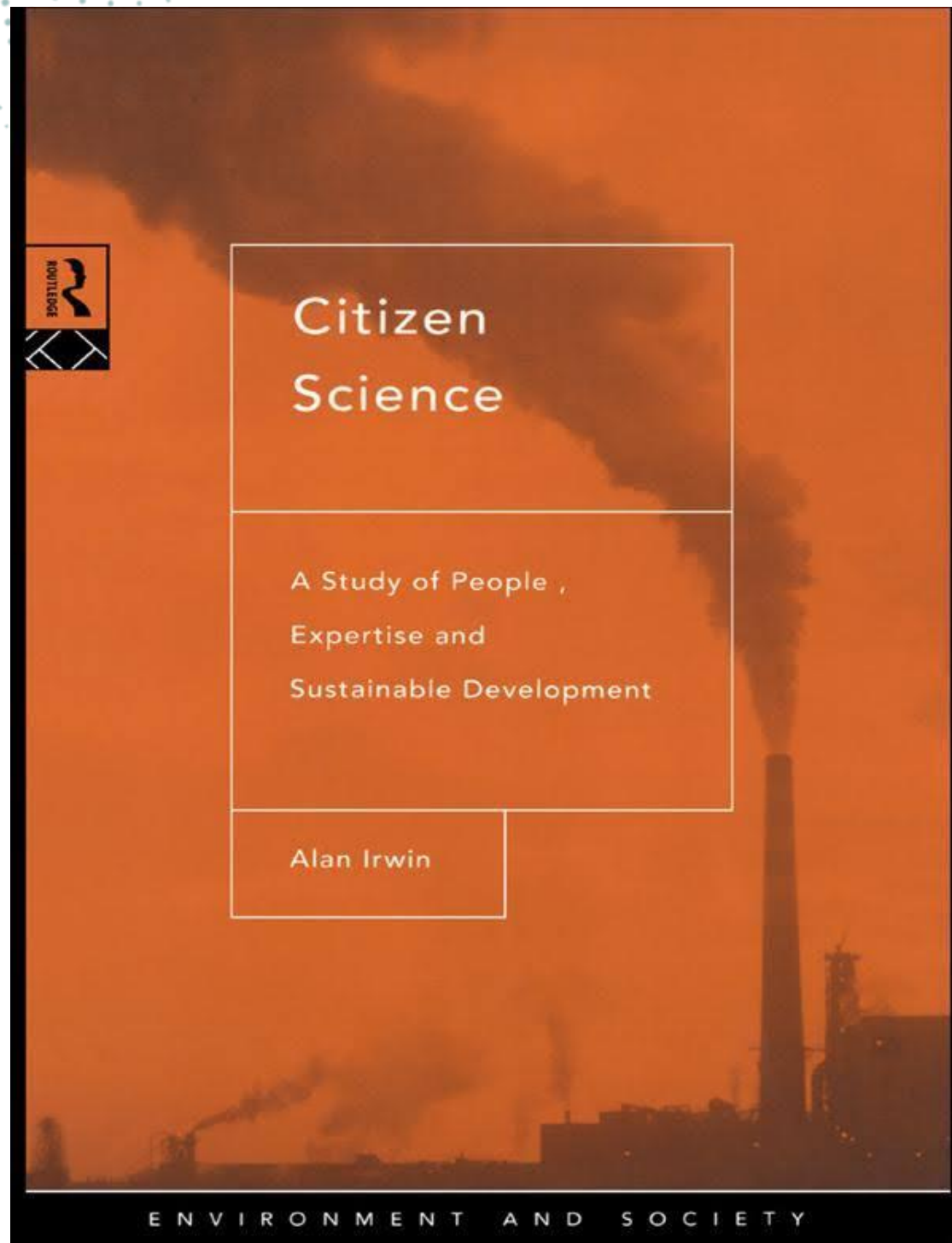
#12jbpCRAIUB

La ciència ciutadana, participació ciutadana en recerca

“El terme ciència ciutadana es refereix a la **implicació activa del públic general en tasques pròpies de la recerca científica.**”

Vohland, K., Land-Zandstra, A., Ceccaroni, L., Lemmens, R., Perelló, J., Ponti, M., Samson, R., & Wagenknecht, K. (2021). Editorial: The Science of Citizen Science Evolves. In K. Vohland, A. Land-Zandstra, L. Ceccaroni, R. Lemmens, J. Perelló, M. Ponti, R. Samson, & K. Wagenknecht (Eds.), *The Science of Citizen Science* (pp. 1–12). Springer International Publishing. https://doi.org/10.1007/978-3-030-58278-4_1





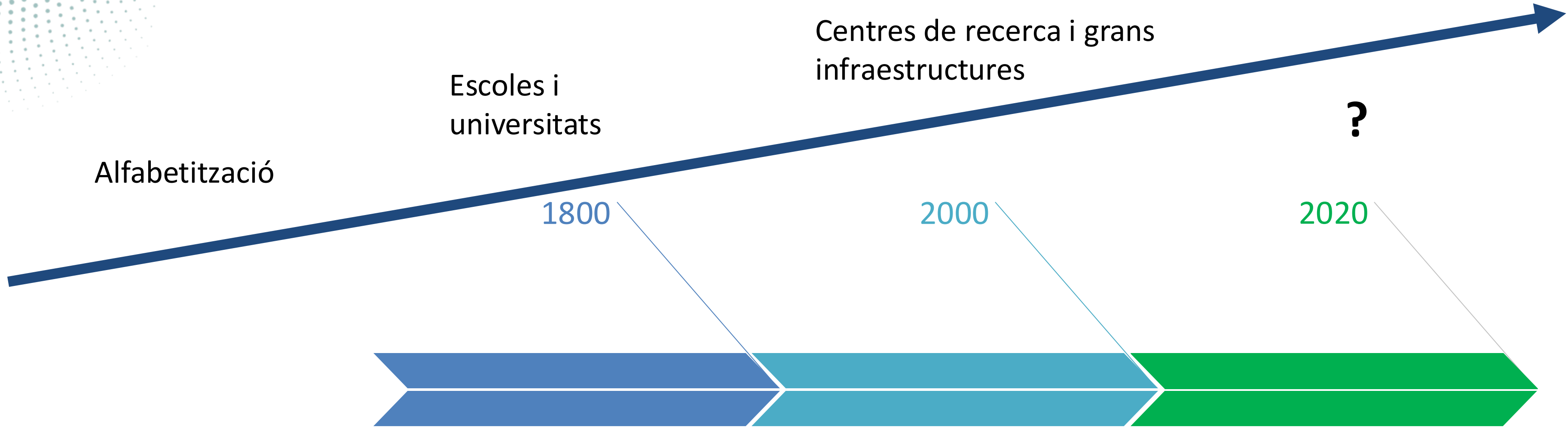
La ciència ciutadana, orientada a les necessitats dels ciutadans

“La ciència (ciutadana) hauria de respondre a les **inquietuds i necessitats** dels ciutadans.

[...]

Els ciutadans poden produir un **coneixement científic fiable.**”

Alan Irwin, Investigador en Ciències Socials, Copenhagen Business School.
Irwin, A. (1995). *Citizen science: A study of people, expertise, and sustainable development*. Routledge.



Margaret Cavendish



Ciència jove / amateur

Senyor i senyores de la ciència

7

Ciència professional

Institucionalització

Ciència oberta, democratització del coneixement, coproducció de coneixement...

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Ciència Ciutadana



<https://www.birds.cornell.edu/home/>



Què és la ciència ciutadana?

12/9/2021

Living bird. - 7 (Illustration, Text)

CITIZEN SCIENCE *A Lab Tradition*

BY RICK BONNEY

The history of ornithology is replete with the contributions of amateurs. From the early 1800s, when a Scottish poet named Alexander Wilson published the first comprehensive account of North American birdlife, to the turn of the century, as the Audubon Christmas Bird Counts were born, to the present time, as thousands of birders participate in bird censuses, surveys, and research projects across the continent, amateurs have gathered a treasure house of information on bird numbers, bird movements, even basic bird biology.

The Cornell Lab of Ornithology has played a major role in this tradition. In 1929 our founder, Arthur A. Allen, began soliciting bird watchers' sightings to construct a comprehensive database of the birds of central New York's Cayuga Lake Basin. Our Nest Record Program, begun in 1965, was one of the first North American projects to seek amateur-collected data in an organized fashion. Project FeederWatch, which started in 1987, is one of the largest amateur-based data collection programs under way today. And FeederWatch is now joined by several other Lab citizen-science projects, including Project Tanager, Project Pigeon-Watch, and the Cornell Nest Box Network.

It's safe to say that the Lab of Ornithology depends on amateurs to collect data. But citizen science is a two-way street: Participants gain from the projects, too. From backyard birders to school children, amateur ornithologists become proficient in bird identification, acquire the skills of pa-

tient observation, imbibe the process of scientific investigation, and gain the satisfaction of furthering scientific knowledge.

The Lab also hopes that public participation in bird studies will spawn action on behalf of birds. As project participants evolve from birders to citizen scientists, we hope they'll go to work on behalf of birds. Our goal? That bird watchers will save the world.

The next few pages present an overview of the Lab's many citizen-science projects. ■

For more information on any of our citizen-science projects, contact: Education Program, Cornell Lab of Ornithology, 159 Sapsucker Woods Road, Ithaca, New York 14850, or telephone: (607)254-2440; e-mail: birdeducation@cornell.edu; or visit our web site (<http://www.ornith.cornell.edu>).

By contributing data on bird numbers and behavior on a continentwide scale, the Lab's "Citizen Scientists" make a real contribution to bird conservation. Here two Cornell Nest Box Network participants check the contents of a Tree Swallow nest.



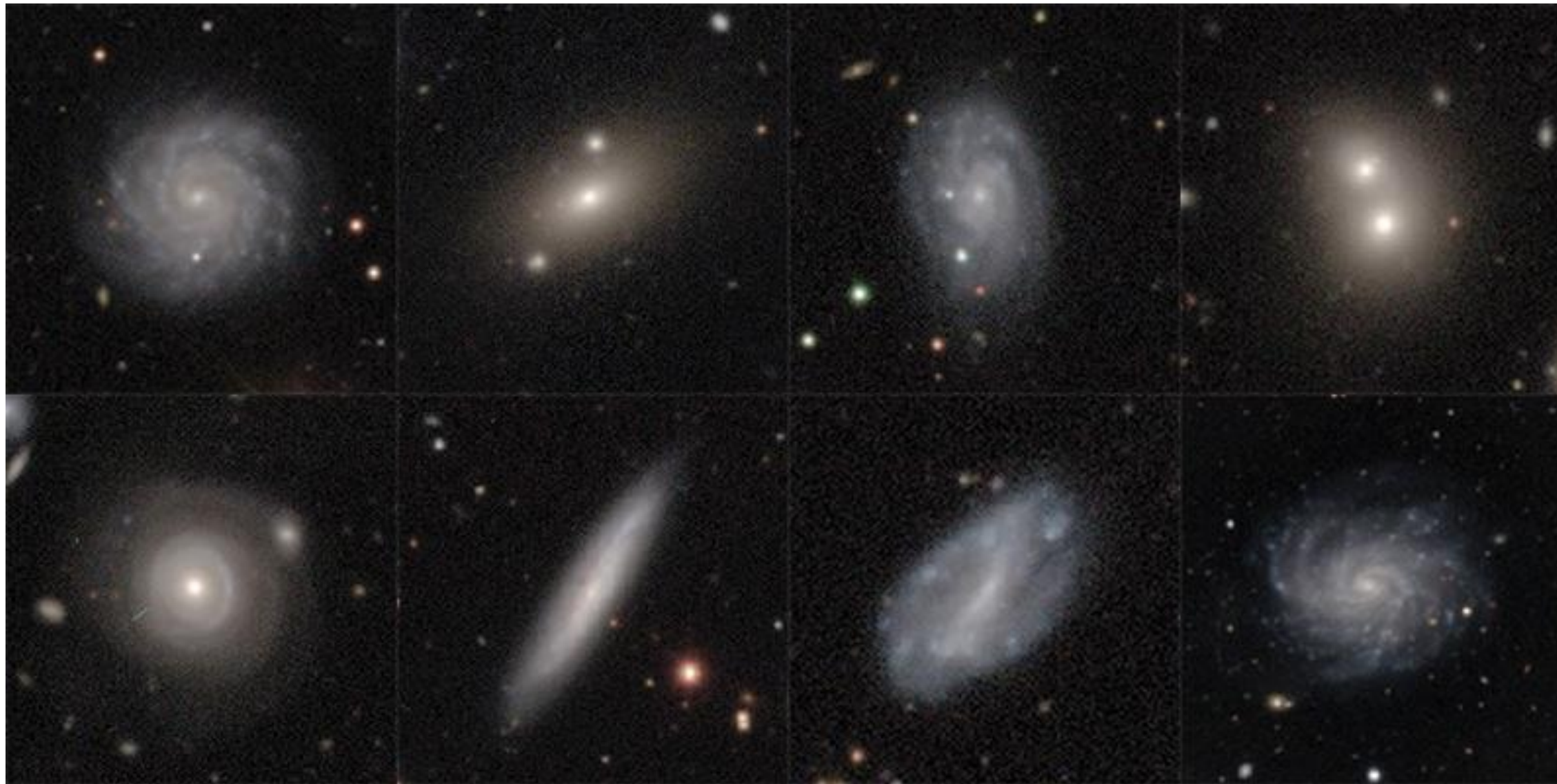
Autumn 1996 7

Recollida de dades de forma participativa

Bonney, R. (1996). Citizen science: A lab tradition. *Living Bird*, 15(4), 7-15.

Què és la ciència ciutadana?

Crowdsourcing – Classificació massiva de dades



“Welcome to **Galaxy Zoo**'s latest incarnation. For more than a decade, we've asked volunteers to help us explore galaxies near and far, sampling a fraction of the roughly one hundred billion that are scattered throughout the observable Universe.”

<https://www.zooniverse.org/projects/zookeeper/galaxy-zoo/>

#12jbpCRAIUB

PEOPLE-POWERED RESEARCH

ZOONIVERSE

Join millions of people who help to advance real research,
science, and knowledge.

[Explore projects](#)

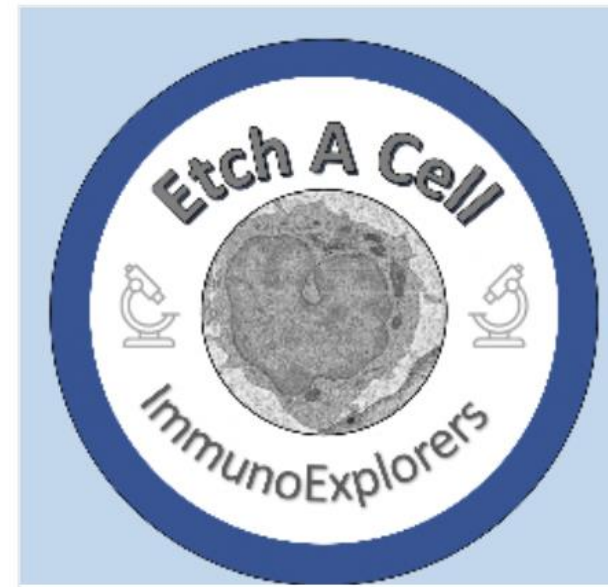
#12jbpCRAIUB

..where you can chat to other like-minded volunteers.

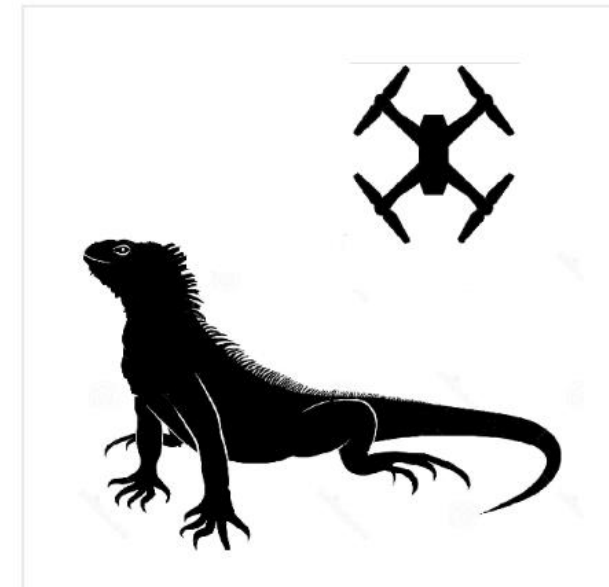
Make sure to also check out [Talk](#) where you can chat to other like-minded volunteers.



CITIZEN ASAS-SN



ETCH A CELL - IMMUNOEXPLORERS



IGUANAS FROM ABOVE



DEAR MONSIEUR SAMPAIO...

SCROLL DOWN FOR EVEN MORE

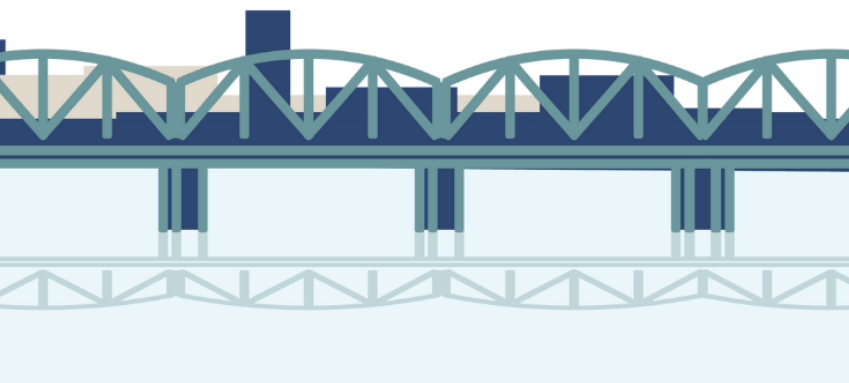
Navigation bar with icons and labels for various disciplines:

- ALL DISCIPLINES (selected)
- ARTS
- BIOLOGY
- CLIMATE
- HISTORY
- LANGUAGE
- LITERATURE
- MEDICINE

Most Recently Launched

Showing 1-20 of 77 projects found.

Name:



Zooniverse

RECENT POSTS

- AI Ethics Workshop Series: Update #1
- Zooniverse translated projects list
- Who translates Zooniverse?
- Vera Rubin Observatory: "First Look" Into The Cosmos
- Who's who in the Zoo - Ameenat Lola Solebo

ARCHIVES

- July 2025
- June 2025
- May 2025
- April 2025
- January 2025
- October 2024
- September 2024
- August 2024
- July 2024
- April 2024
- January 2024
- December 2023
- November 2023
- September 2023
- August 2023
- April 2023
- March 2023
- December 2022
- September 2022



NEWS

CREATING ACCESSIBILITY GUIDELINES FOR NEURODIVERSITY IN DIGITAL CITIZEN SCIENCE

🕒 JUNE 18, 2025 👤 THE ZOONIVERSE 💬 LEAVE A COMMENT

We are happy to announce that Zooniverse's project proposal - [Neuro\(Minorities\)Science working group](#) - has been selected for the [IMPETUS accelerator](#) funded by the European Union's Horizon Europe research and innovation programme under grant agreement number 101058677. This means that [Zooniverse Neurodiversity Task Force](#) can now continue its important work.

From June 2025 through January 2026, we will facilitate an online working group of neurodivergent citizen scientists and allies. Together, we will brainstorm, create and publish accessibility guidelines to empower people with all kinds of brains to participate more comfortably in crowdsourced research.



Vera Rubin Observatory: "First Look" Into The Cosmos



Ethical Considerations for Machine Learning in Public-Engaged Research



Who translates Zooniverse?



Zooniverse translated projects list



Launch News: Community-Building Pages



Cats Love the Zooniverse



Fulfilling Service Hour Requirements through Zooniverse

TAGS

- awards (1)
- Biomedical (1)
- CitizenScience (61)
- Education (64)
- experimental (1)
- Fun (26)
- New Features (13)



Què és la ciència ciutadana?



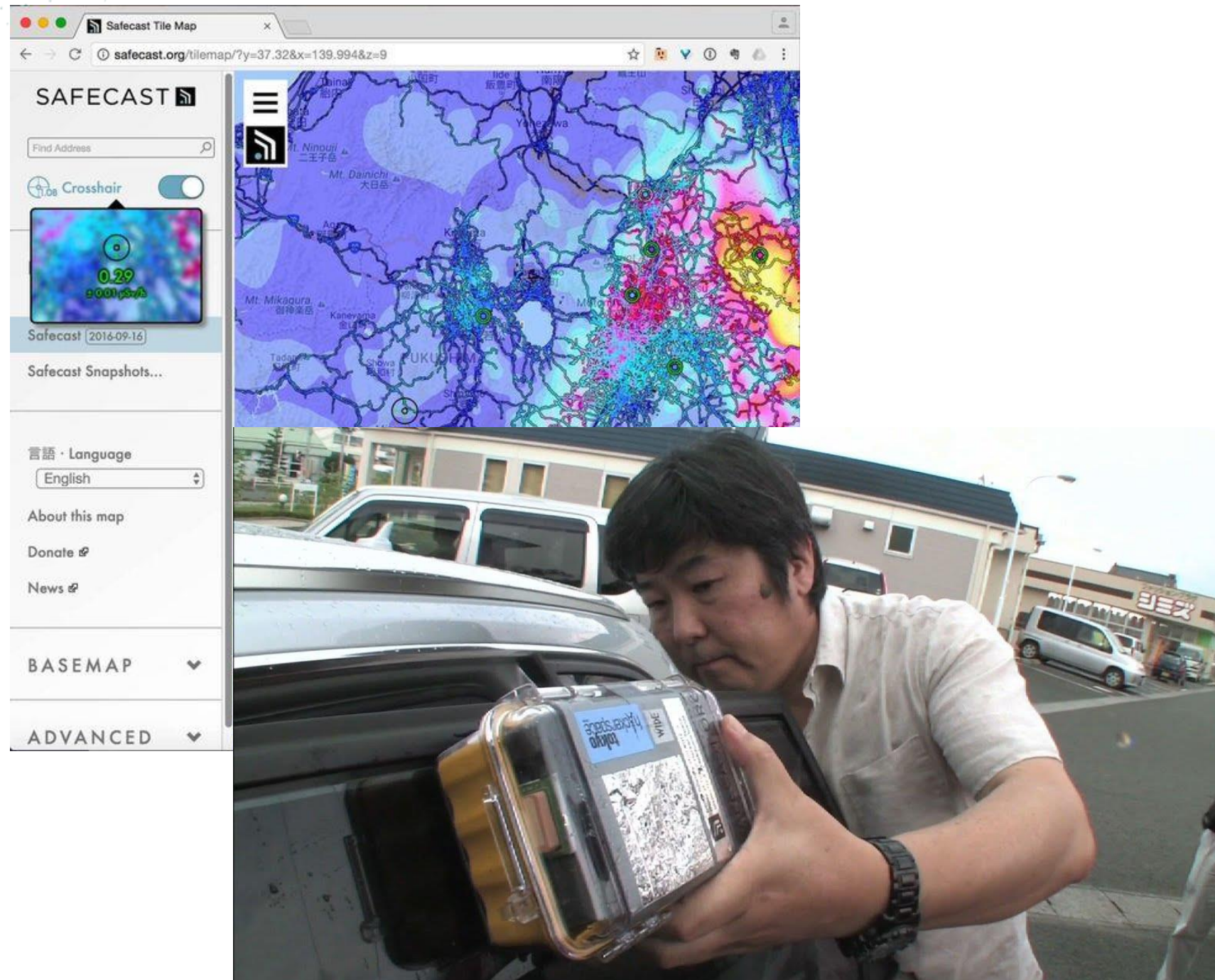
Crowdsourcing –transcripció textos

Deciphering Secrets: Unlocking the Manuscripts of Medieval Spain – Zooniverse

Revealing the hidden history of Jewish, Christian, and Muslim coexistence in medieval Spain (1200 -1500 CE)

<https://www.zooniverse.org/projects/profdrogerlouismartinez-davila/deciphering-secrets-unlocking-the-manuscripts-of-medieval-spain>

Què és la ciència ciutadana?

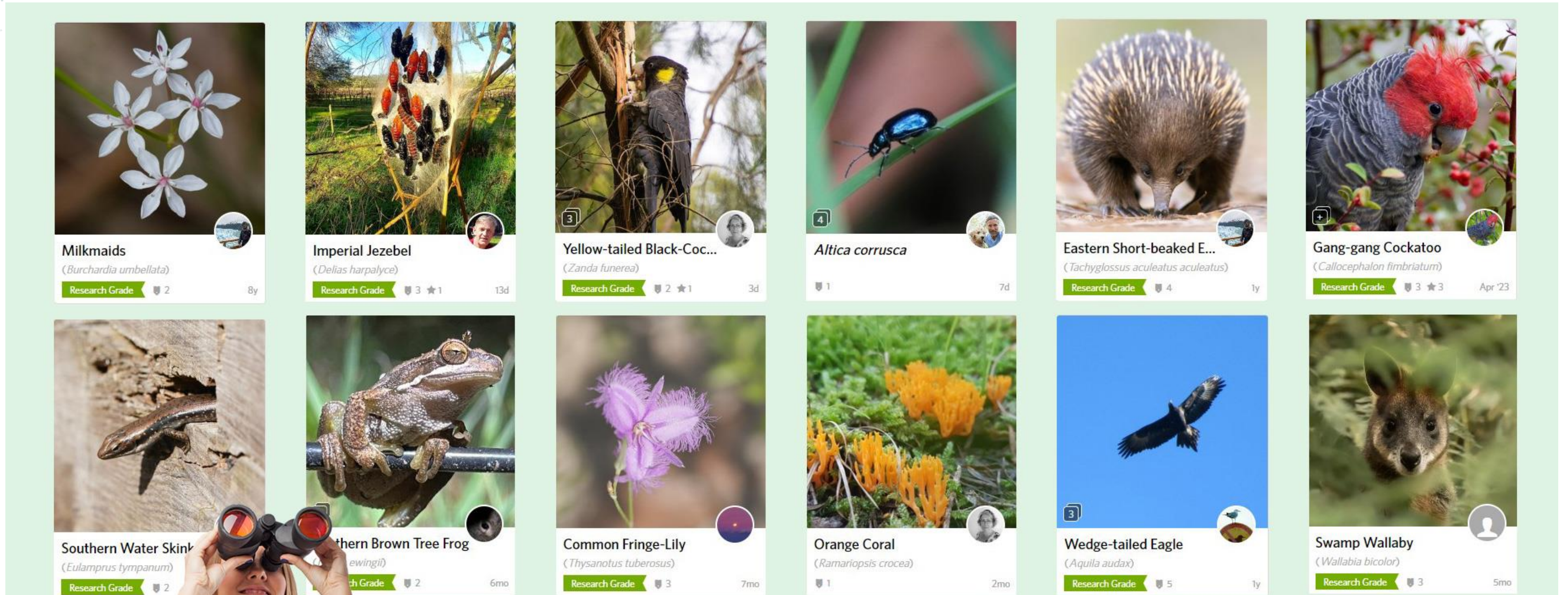


Crowdsourcing – Sensors de baix cost

Safecast és una organització internacional sense ànim de lucre impulsada per voluntaris l'objectiu del qual és crear dades ambientals útils, accessibles i granulars. Totes les dades de Safecast es publiquen, de manera gratuïta, al domini públic.

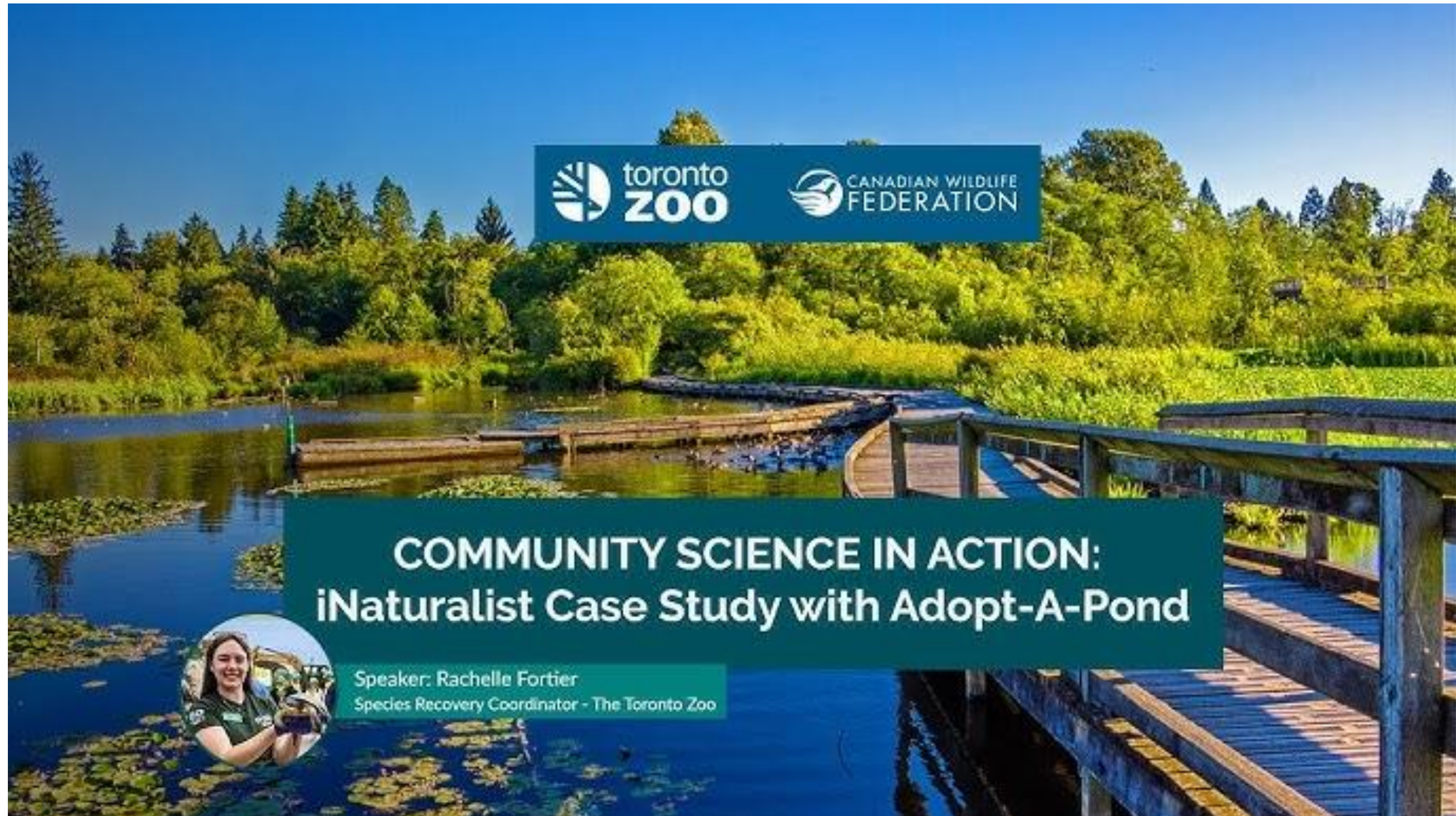
<https://safecast.org>

Ciència ciutadana i creació de comunitats

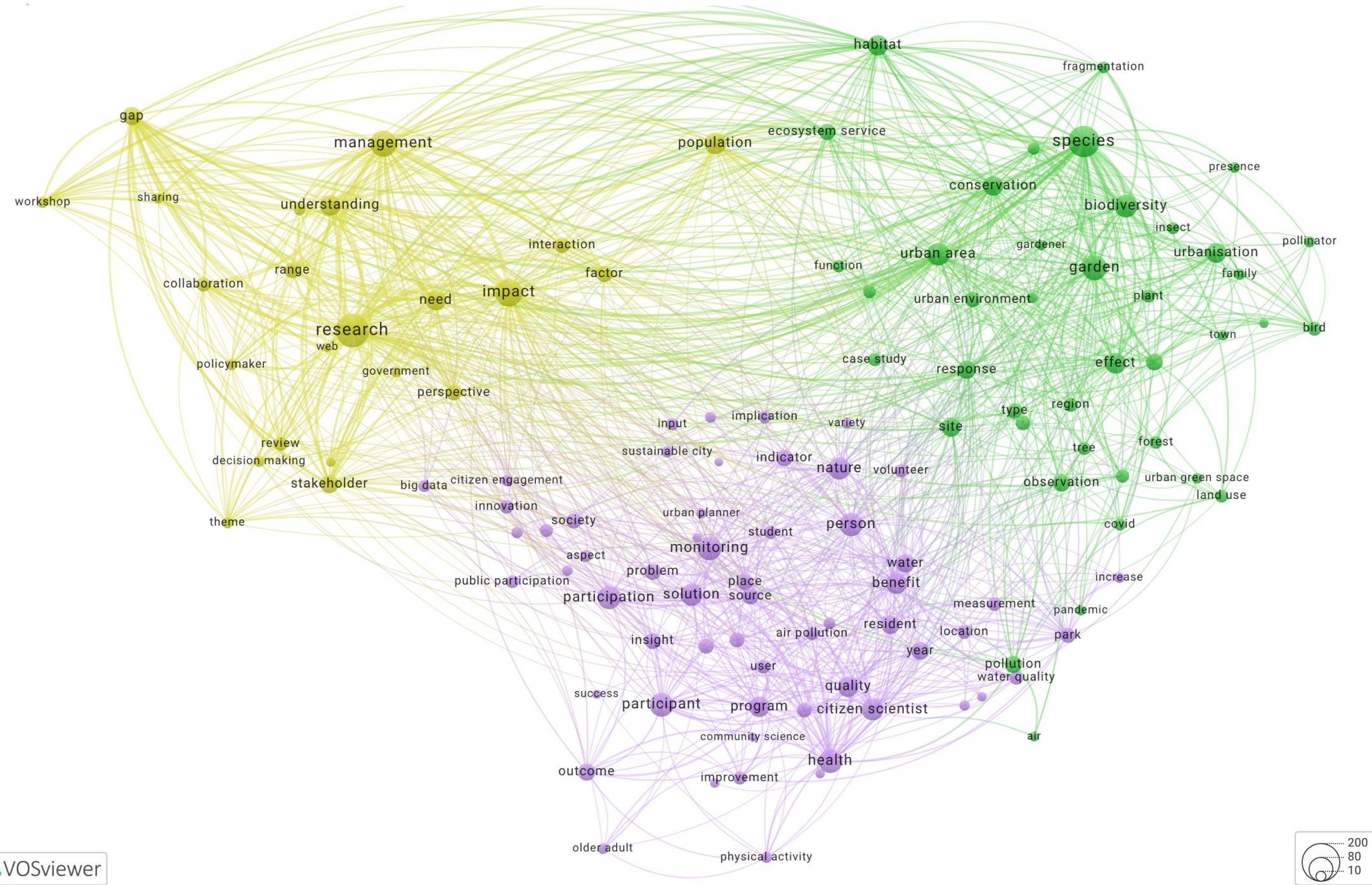


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Ciència ciutadana i creació de comunitats



Citizen Science and Sustainable (Urban) Transformation



Networks: Three clusters

1. Biodiversity, ecology & conservation
2. Methodologies & practices
3. Humans & communities

Bonhoure, I., Guba, B., Peer, C., Labastida, I., Perelló, J. (2025). Citizen science contributions to sustainable urban transformation, urban sustainability and urban planning: a systematic literature review. *Submitted for publication.*

https://doi.org/10.31235/osf.io/zc7w4_v1

La ciència ciutadana a la UB



Ciència ciutadana



Els projectes ▾ Idees força ▾ Finançament

Idees força



Cocreació

La introducció d'aspectes de cocreació en la definició d'un projecte i el seu cicle de recerca.



Comunitats

La gestió de les comunitats de participants i organitzacions implicades.



Eines

L'adopció d'eines i protocols que permetin la participació ciutadana en la recollida de dades.



Dades

La gestió de les dades recollides i com compartir-les i comunicar-les.



Ètica i inclusió

La dimensió ètica i d'inclusió social juntament amb les mesures necessàries per preservar la privacitat de les persones participants.



Acció

La generació de coneixement que afavoreixi l'acció de les organitzacions socials i la incidència en les polítiques públiques.

<https://web.ub.edu/web/ciencia-ciutadana/>

COMUNITATATS

Un projecte de:



PER QUÈ

L'ampliació de la participació millora la qualitat d'un projecte de ciència ciutadana



Posa en valor el coneixement i l'experiència aportada per cada comunitat



Connecta coneixements i experiències diverses



Genera coneixement valuós per totes les persones

COM



Formar un grup promotor amb una o diverses comunitats

CONSELLS

Organització de la participació en diferents nivells segons el compromís i la disponibilitat

- Grup promotor
- Comunitats i grups diversos amb expertesa sobre la temàtica del projecte
- Persones que aporten el seu coneixement sobre el terreny, experiencial
- Ciutadans científics

Responsabilitats del grup promotor en una recerca èticament responsable

- Tenir cura de les comunitats
- Establir un canal de comunicació permanent amb comunitats i persones
- Estructurar la participació segons compromís i disponibilitat
- Compartir el coneixement
- Reconèixer i fer visible la contribució de tothom

Actituds, estratègies i recomanacions

- Fomentar la diversitat en les comunitats participants
- Multiplicar espais i oportunitats per a la participació
- Cogovernar el projecte
- Crear un clima de respecte i diàleg entre iguals en un espai segur
- Obrir moments per a l'aprenentatge mutu
- Identificar beneficis i expectatives per a tots els implicats i fer-ne seguiment

Una ciència ciutadana cada vegada més comunitària?

2024 Winners

Digital Communities Award

Awarded for demonstrating excellence in creating and supporting communities, delivering social benefits, and fostering an open and inclusive civil society through the innovative or alternative use of digital technologies.



CoAct for Mental Health
OpenSystems group (ES)

"CoAct for mental health stood out to us as an excellent example of citizen social science, involving patients with lived experience of mental health issues, and their families (...) These citizen researchers contributed their daily micro-stories to create a body of evidence that aims to shift the paradigm for mental health care away from a biomedical approach towards personalised medicine and a community-centred approach (...) This project allows citizens to play an active role in research that directly impacts their lives and harnesses the power of technology to include marginalised voices as active participants in the transformation of mental health care. (...)"



HEROINES: Heritage of Emancipation

Empowering Roma Women through Building Networks of Solidarity



EU Prize for Citizen Science Categories Criteria Rules and Rights Winners Jury

2025 Winners

Digital Communities Award

Awarded for demonstrating excellence in creating and supporting communities, delivering social benefits and fostering an open and inclusive civil society through the innovative or alternative use of digital technologies.



Antiquake Risk Hunter Community

Diversity & Collaboration Award

Awarded for excellence in grassroots approaches, explorative collaboration, cultural and gender diversity, community participation, stakeholder engagement and social inclusivity.



MoFWaste—The Museum of Food Waste

Because food waste should be in the past.

Què és la ciència ciutadana?

Fonaments històrics i evolució

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Rellevància de la comunitat

Entorn local, comunitats i biblioteques

Ciència ciutadana, biblioteques i creació de comunitats

Oportunitat conjunta biblioteques i ciència ciutadana

Exemples de creació de comunitats

Visió de futur

News

Libraries should capitalise on appeal as community hubs, report recommends

Speaking to people who had not used library services for at least 12 months, the report aimed to identify what barriers prevent people from making use of their local libraries.

Mary Stone

Wed 13 November 2024, 11:16 · 4 min read



<https://www.artsprofessional.co.uk/news/libraries-should-capitalise-on-appeal-as-community-hubs-report-recommends>

Barriers to library use

Qualitative research report

October 2024



Research to understand barriers and factors that could support engagement in using public library services in England.

<https://www.gov.uk/government/publications/barriers-to-library-use-qualitative-research-report>



International Federation of Library Associations and Institutions

The goal of the 2024 Trend Report – and indeed of so much of IFLA’s work – is to provide the tools, structures, inspiration and energy necessary for libraries and library and information workers to face the future with optimism.

Dezuanni, M. & Osman, K. (2024) IFLA Trend Report. Brisbane: Digital Media Research Centre.



7. People are seeking community connections – creating places to share space and resources is key to building an equitable society. This includes trends around both isolation and an intensification of local initiatives that build community. It also talks about new ways of connecting, how online communities can be beneficial, and the impact of more flexible working patterns.



Additional scenarios cover:

AI-Powered Disorder – Supriya Kulkarni explores what happens when AI continues to become more prevalent in our lives, but levels of trust continue to lag.

It Might Be All the Chemtrails Raining Down on You – Beth Patin looks at what happens when misinformation runs wild, and how libraries may need to rebuild trust from the bottom up.

Nothing is Different but Everything has Changed – David Lankes asks what happens in a world where all information is suspect, and what this means for the work of libraries with individuals and communities.

Something's Rotten in the State of our Archives – Michael Oghia asks what happens when the permanence of information can no longer be counted on.

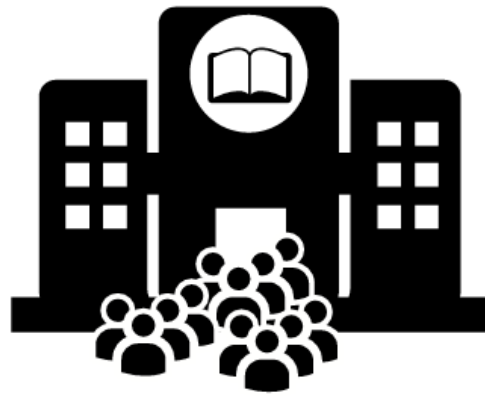
Libraries as LIFEHub – Mei Lin Fung asks what a day in the life of a librarian might look like when it is possible to combine the possibilities of technology with the community role of libraries.

All the World's a Stage – Daniel Nwaeze asks what could happen if rather than competing, it becomes possible for traditional media, social media and AI to complement each other to support healthy debate.

Finally, the report shares a range of ideas for how to work with the trends and scenarios, including by adding to the examples, but also by taking different approaches to exploring intersections, and reflecting on how to plan for an uncertain future.

Dezuanni, M., Osman, K. Burton, A. L. & Heck, E. (2024) IFLA Trend Report 2024: Facing the future of information with confidence. Brisbane: Digital Media Research Centre.

El profesional de la
información



BIBLIOTECAS CIUDADANAS

ESPACIOS DE DESARROLLO Y PARTICIPACIÓN

JOÃO DE SOUSA GUERREIRO
MARÍA RAMONA DOMÍNGUEZ SANJURJO

 EDITORIAL UOC

Biblioteques com a ...
...**promotores** de canvi
...**receptores** de les preocupacions de la
comunitat
...**servei** de proximitat
... “**saló d'estar** de la comunitat”

Biblioteques com a **llocs propicis per
servir de laboratoris de les dinàmiques
participatives**

De Sousa Guerreiro, J., & Domínguez Sanjurjo, M.
R. (2018). *Bibliotecas ciudadanas: Espacios de
desarrollo y participación*. Editorial UOC.

Biblioteques Comunitàries (Argentina)



Ciència Ciutadana Social i justícia climàtica

Les biblioteques comunitàries es van posicionar com el lloc idoni per fer recerca i activitats d'educació ambiental.

<https://coactproject.eu/environmental-justice/>

Bibliotecas com a infraestructures socials



SOCIAL & CULTURAL GEOGRAPHY
2023, VOL. 24, NO. 5, 758–777
<https://doi.org/10.1080/14649365.2021.1965195>

 **Routledge**
Taylor & Francis Group

 OPEN ACCESS  Check for updates

Retooling the public library as social infrastructure: a Dutch illustration

Rianne van Melik^a and Michael S. Merry ^b

^aInstitute for Management Research (IMR), Radboud University Nijmegen, HK Nijmegen, The Netherlands;

^bEducational Sciences, University of Amsterdam, NG Amsterdam, The Netherlands

ABSTRACT

Public libraries are more than information providers; they increasingly serve as key social infrastructures. Financial pressures, decreasing membership and digitalisation require libraries to reinvent themselves as primarily spaces of an encounter. This paper focuses on the retooling of small public libraries in the Netherlands as social infrastructure and the formal and informal library practices ('infrastructuring') that are required for the library to function as space of encounter. The paper reports on an in-depth, single-case study based on 15 years of volunteering, participant observations, repeated interviews with staff and informal conversations with patrons. By examining the multi-purposed features of a single site, we illustrate how the library, as an exemplary public space, is being retooled by both staff and patrons. While encounters mostly seem to occur within rather than between groups, there are many meaningful acts of kindness between different people. Though the library is undeniably a social infrastructure, the paper also shows how difficult it is to document, let alone practice this social function.

ARTICLE HISTORY

Received 16 March 2020
Accepted 21 June 2021

KEYWORDS

Public library; social infrastructure; encounters; librarianship; the netherlands

Palabras clave

biblioteca pública; infraestructura social; encuentros; bibliotecología; Holanda

Mots-clefs

bibliothèque municipale; infrastructure sociale; rencontres; bibliothéconomie; Pays-Bas

Programa europeu per apropar comunitats i biblioteques



The Europe Challenge

A programme for
**Libraries,
Communities,
Democracy**

The Europe Challenge is an annual programme that brings together libraries and communities to address Europe's key transitions—social, digital, and green—by implementing creative solutions in their local areas. The programme was first launched in 2020 by the European Cultural Foundation and partners.



Sant Boi de Llobregat



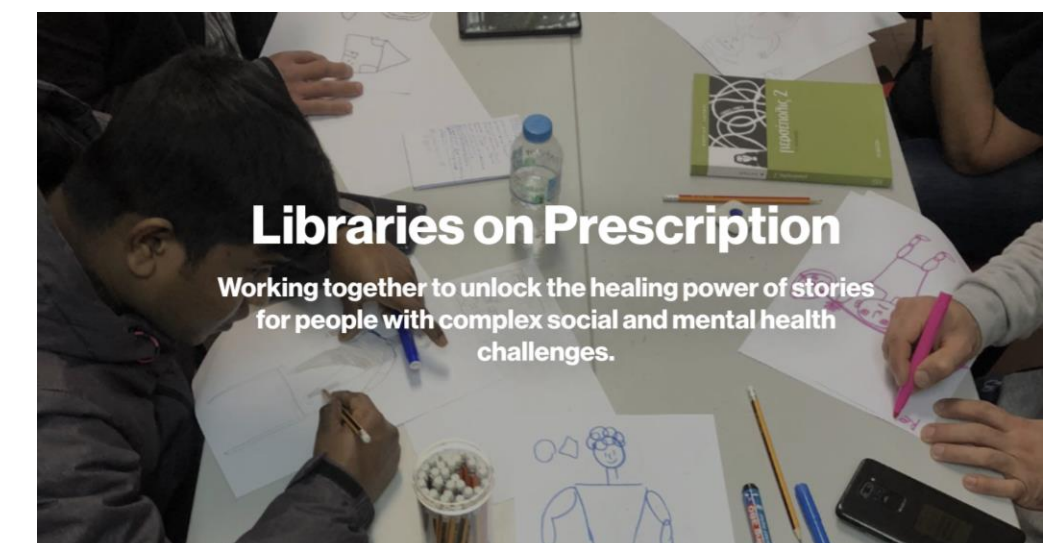
Bridging Worlds: A Collaborative Initiative for Youth, Libraries, and Inclusive Communities

Creating social cohesion among diverse communities.



Creating a Buzz: Bringing Bees to Libraries

Beekeeping is helping this community create a new vision for their city – promoting a healthier and more sustainable lifestyle.



Libraries on Prescription

Working together to unlock the healing power of stories for people with complex social and mental health challenges.

Picnics at the Library

Reykjavic Public Libraries

<https://borgarbokasafn.is/en/picnics-library>



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Entorn local, comunitats i biblioteques_ **I les biblioteques universitàries?**

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Exemples de creació de comunitats

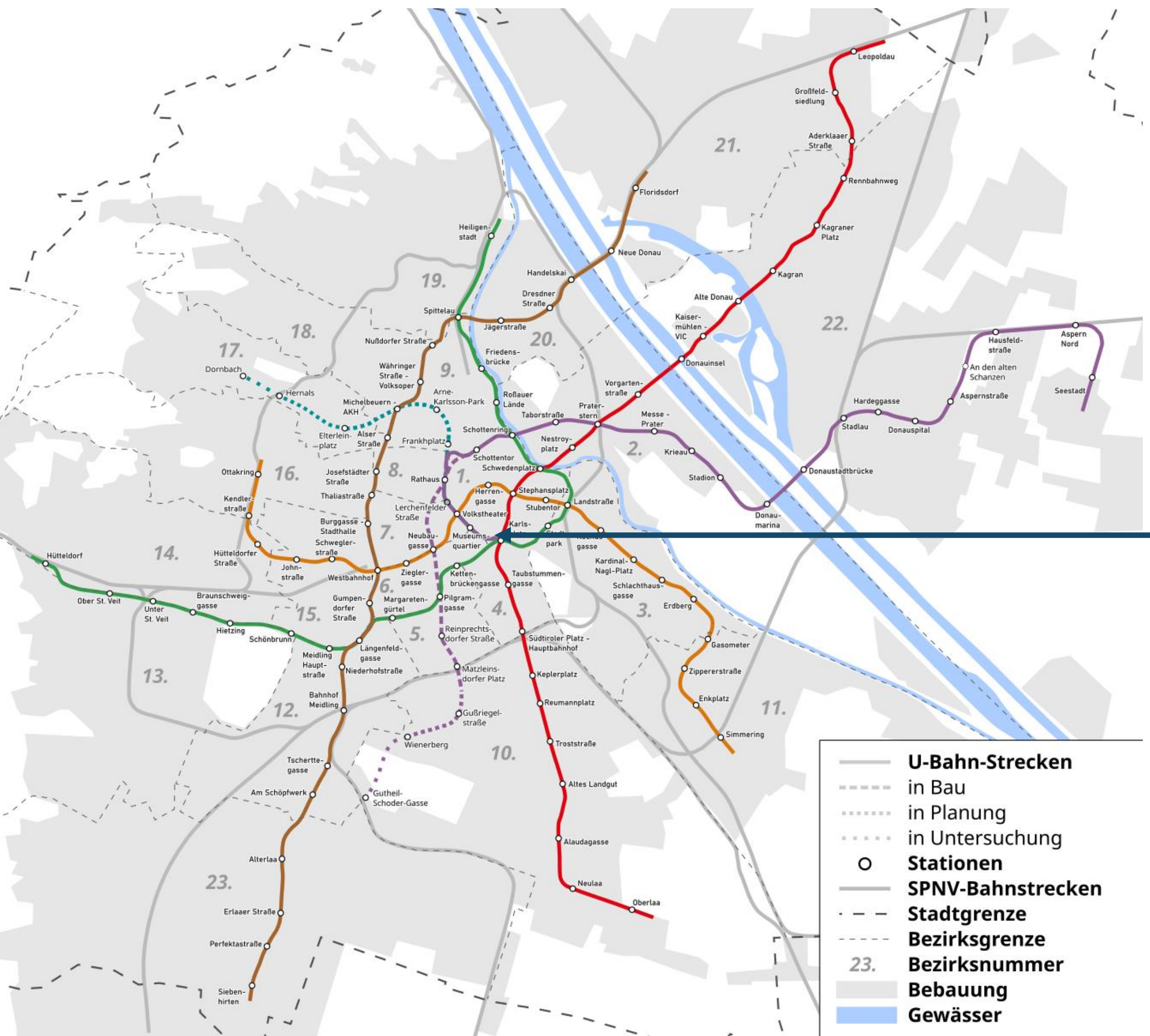
Visió de futur



TU Wien Bibliothek

- Founded in 1815
- Largest library in Austria for natural sciences and engineering (1.5 million items)
- Main library location since 1987
- Approx. 140,000 persons passing by per day
- Opening hours 14 h Mon-Fri, 9 h Sat-Sun

Further information:
<https://www.tuwien.at/en/library/about-us/our-profile>



Strategic priorities 2024–2027



- Providing free access to digital publications of TU Wien
- Strengthening the participation of society in the research process



Urban Knowledge Space



Open Science



Green Library



Trustworthy Digital Infrastructures

- The library as a central social infrastructure
- Offering low-threshold access to scientific knowledge
- Working with schools, libraries, museums and local initiatives
- Spaces support learning, information and data literacy and co-creating knowledge

- Sustainability concept with CO2 monitoring and measures to reduce CO2
- Contributing to the UN Sustainable Development Goals
- Cooperating with the City of Vienna to promote local sustainability transformation.



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Taltech Research Library, Estonia



Què és la ciència ciutadana?

Fonaments històrics i evolució

Creació de comunitats en ciència ciutadana

Biblioteques i creació de comunitats

Rellevància de la comunitat

Entorn local, comunitats i biblioteques

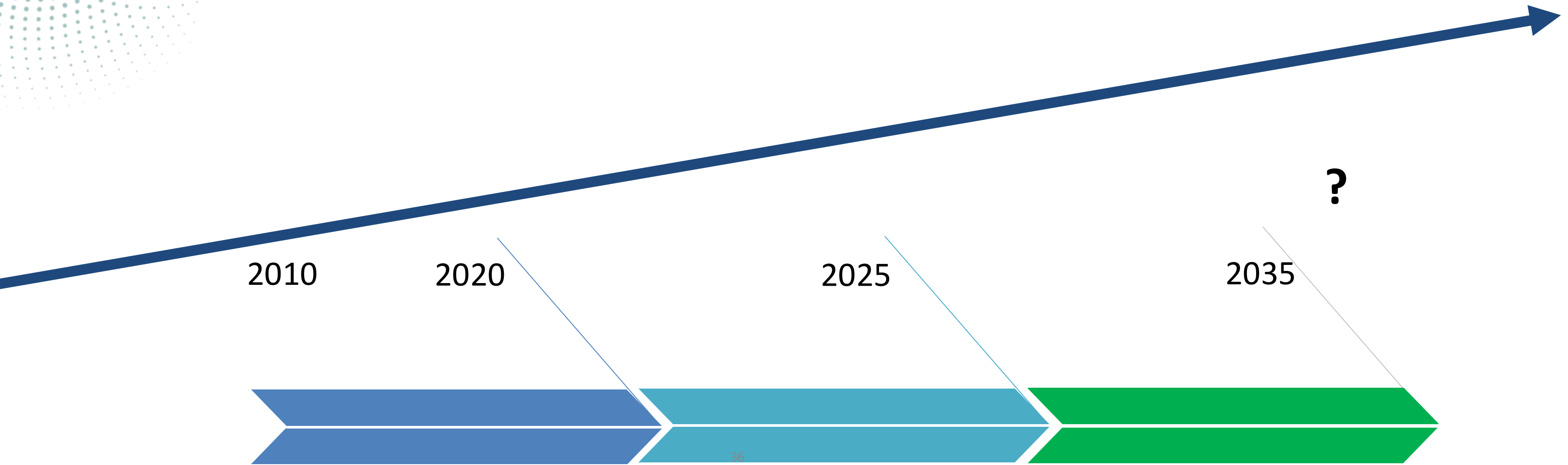
Ciència ciutadana, biblioteques i creació de comunitats

Oportunitat conjunta biblioteques i ciència ciutadana

Exemples de creació de comunitats

Visió de futur

Ciència ciutadana, biblioteques públiques i comunitats



Primers exemples



Barcelona, 30 de maig del 2019, Plaça del Fort Pienc

Institucionalització

Llegim el riu

Scistarter

Ciència oberta,
democratització del
coneixement, coproducció
de coneixement...

FINESTRA D'OPORTUNITAT



Primers exemples: Ciència Ciutadana en Acció 2018-2019



- 1) Capacitació del personal bibliotecari en Ciència Ciutadana
- 2) Cocreació d'un projecte de Ciència Ciutadana Social

Primers exemples: Jocs per l'habitatge (2018-2019)

Jocs per
l'habitatge

PARTICIPA!

RECERCA
COL·LECTIVA



Barcelona, 30 de maig del 2019, Plaça del Fort Pienc

Inquietud social: **Accés a l'habitatge**

4 biblioteques públiques:

Santa Oliva (Olesa de Montserrat)

Roca Umbert i Can Pedrals (Granollers)

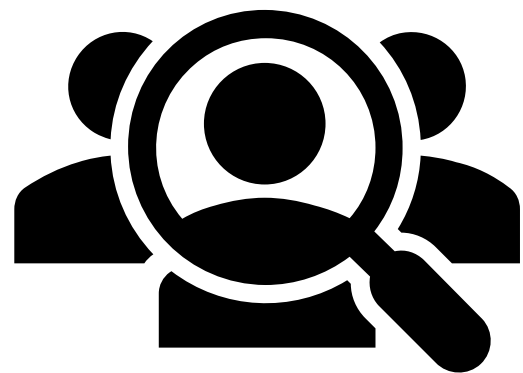
Fort Pienc (Barcelona)

408 participants en 3 ciutats

Cocreació d'un projecte de Ciència Ciutadana Social

Usuaris de les Biblioteques

El 70% va estar d'acord en gran mesura que el projecte havia canviat positivament **la seva percepció de la biblioteca.**



Personal bibliotecari

100% motivats/des o molt motivats/des per executar l'experiment.

Ciència Ciutadana en
Acció, una reflexió sobre
l'accés a l'habitatge,
<https://www.youtube.com/watch?v=10IdLkO2LRU>



Granollers, 7 de juny de 2019, Plaça Josep Maluquer i Salvador

Cròniques de la Calor

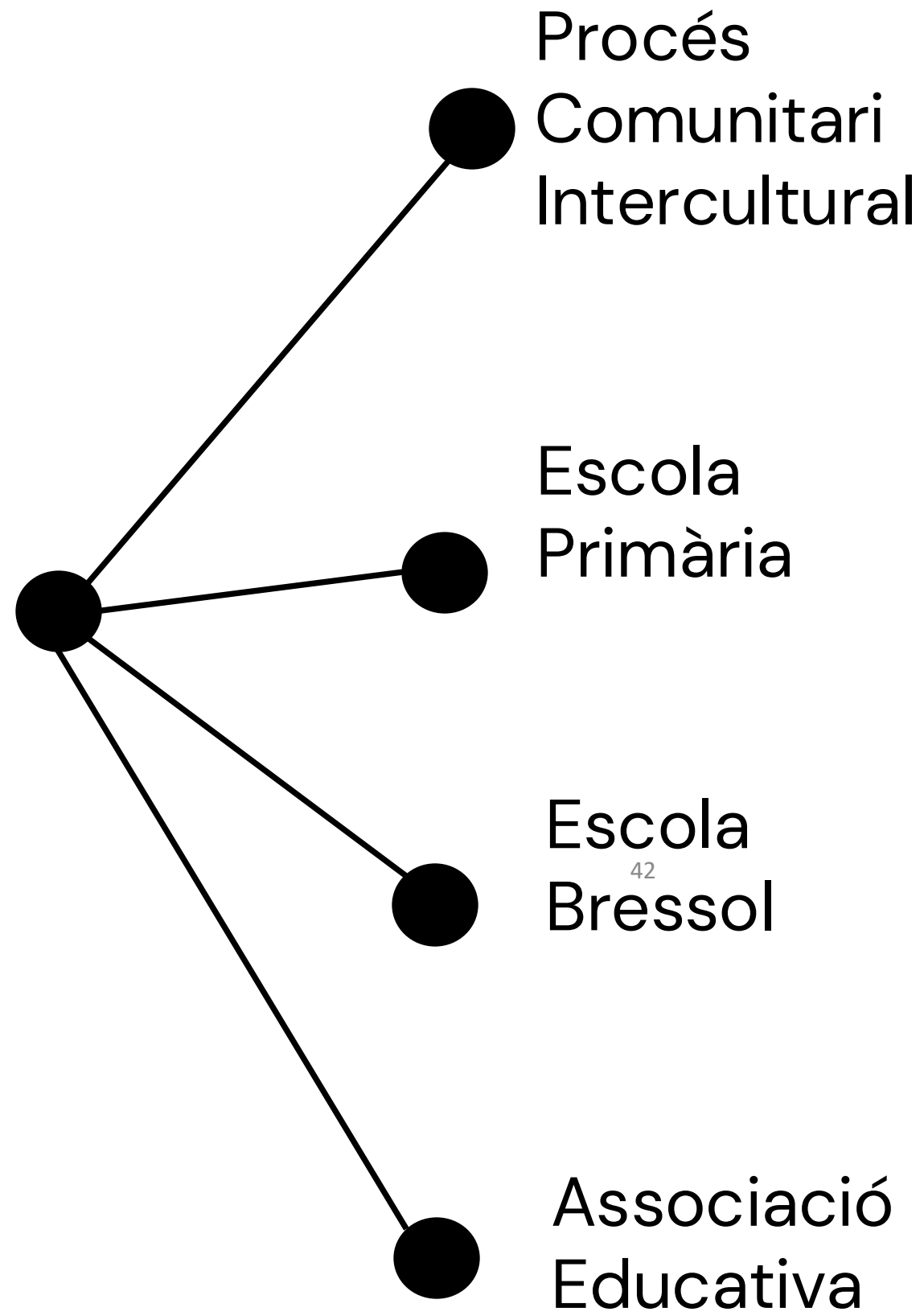
Objectiu:
documentar la **calor** a
l'**espai públic** i a **micro-
escala**, de la mà dels
veïnats més afectats i
tenint en compte el seu
**coneixement sobre el
terreny** com a **usuaris de
l'espai públic**.



Biblioteca com a connector i hub comunitari



 **Biblioteques de L'H**
Josep Janés



●
Veïnat i
Usuàries

● Gent gran

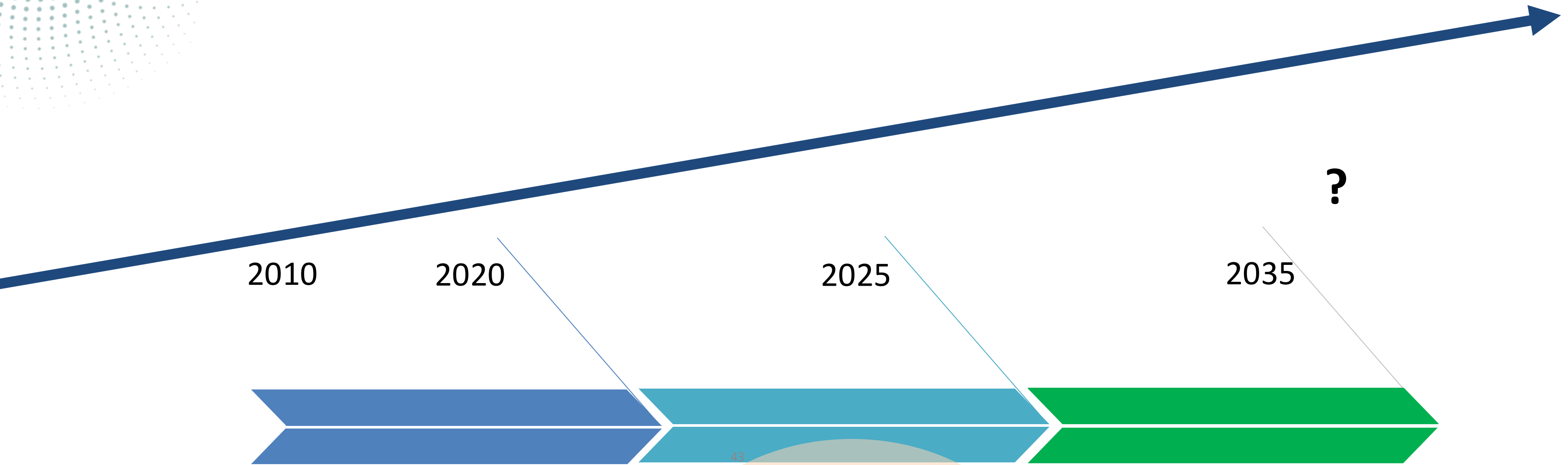
● Alumnes

● Famílies
0-3 anys

● Nens i joves
Casal Estiu



Ciència ciutadana, biblioteques públiques i comunitats



Primers exemples



Barcelona, 30 de maig del 2019, Plaça del Fort Pienc

Institucionalització

Llegim el riu

Scistarter

Ciència oberta,
democratització del
coneixement, coproducció
de coneixement...

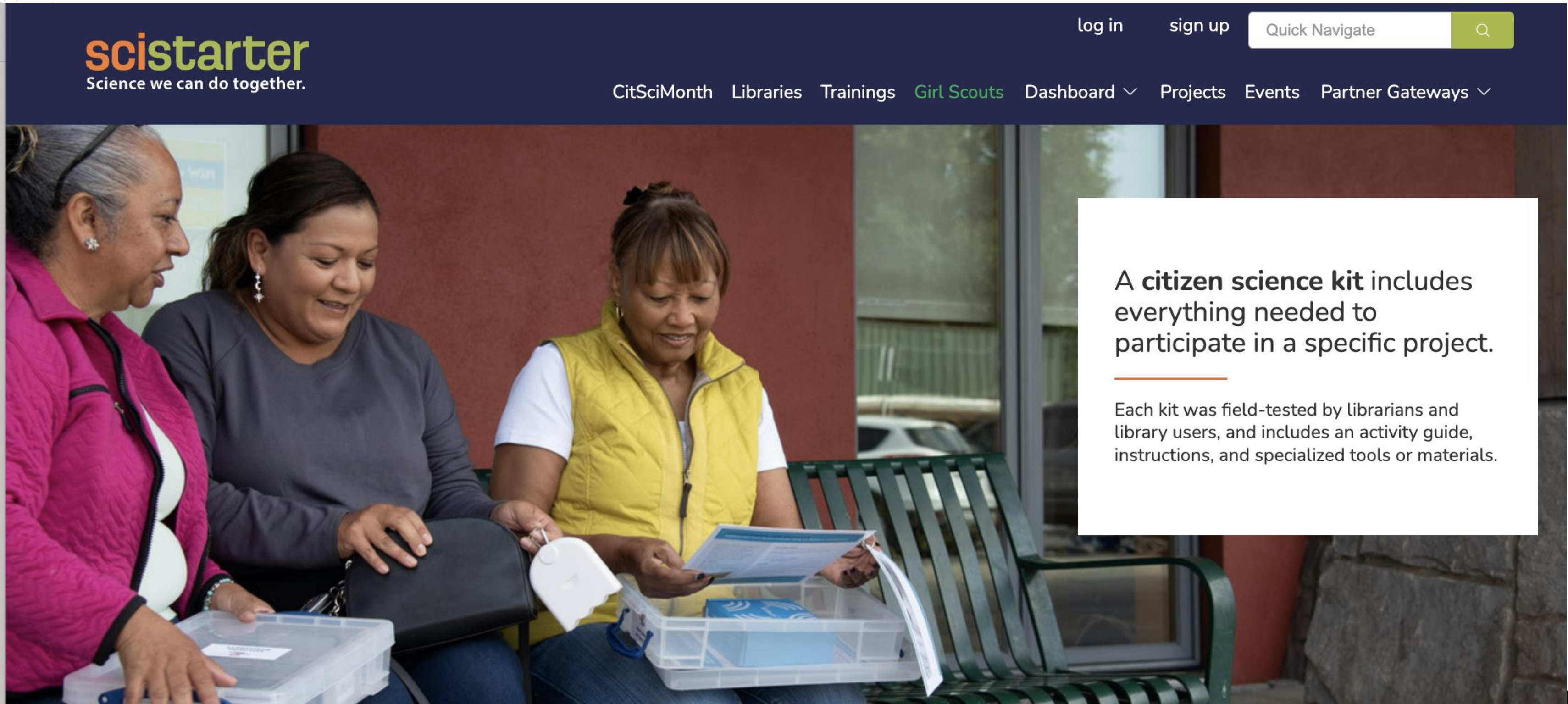
FINESTRA D'OPORTUNITAT





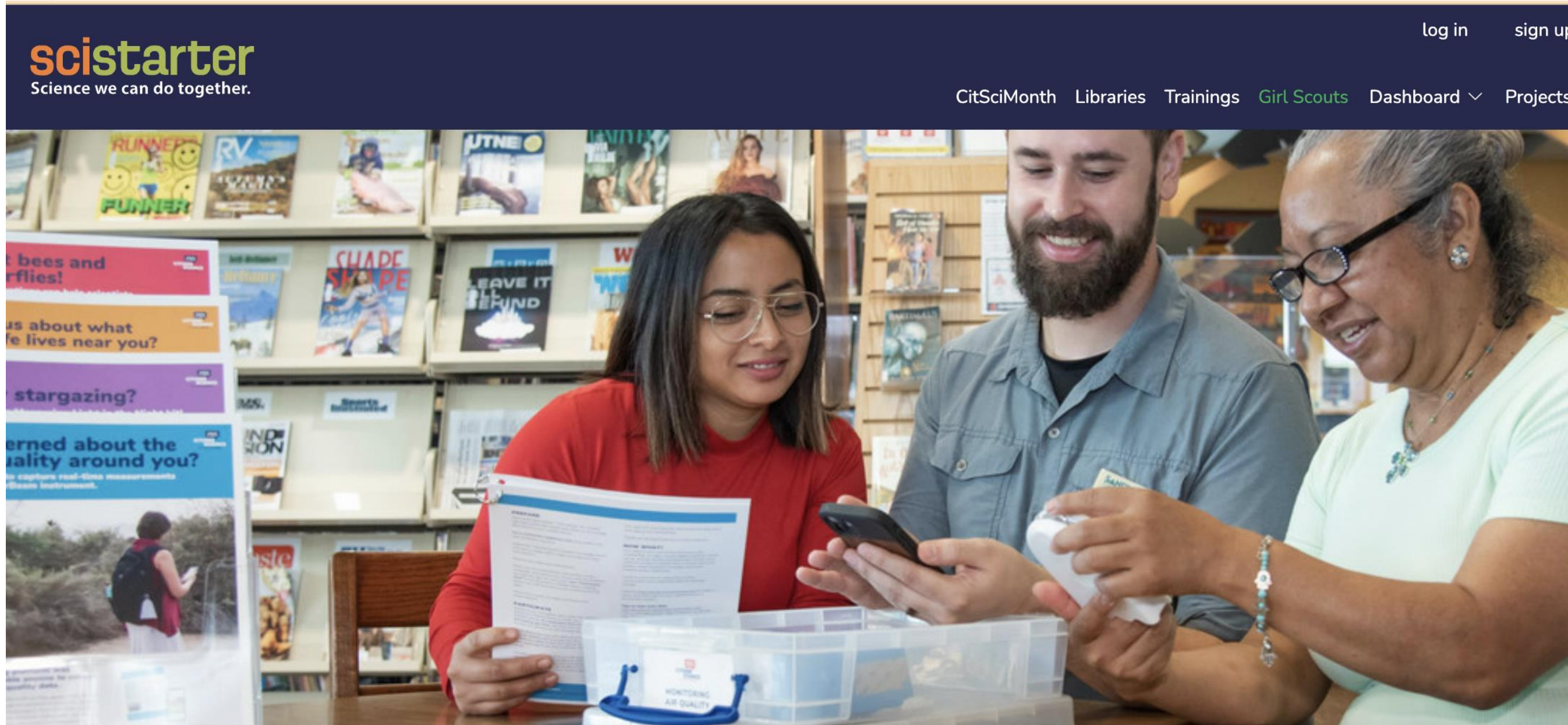
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Scistarter <https://scistarter.org/library/>



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Scistarter <https://scistarter.org/library/>



Citizen Science Kits

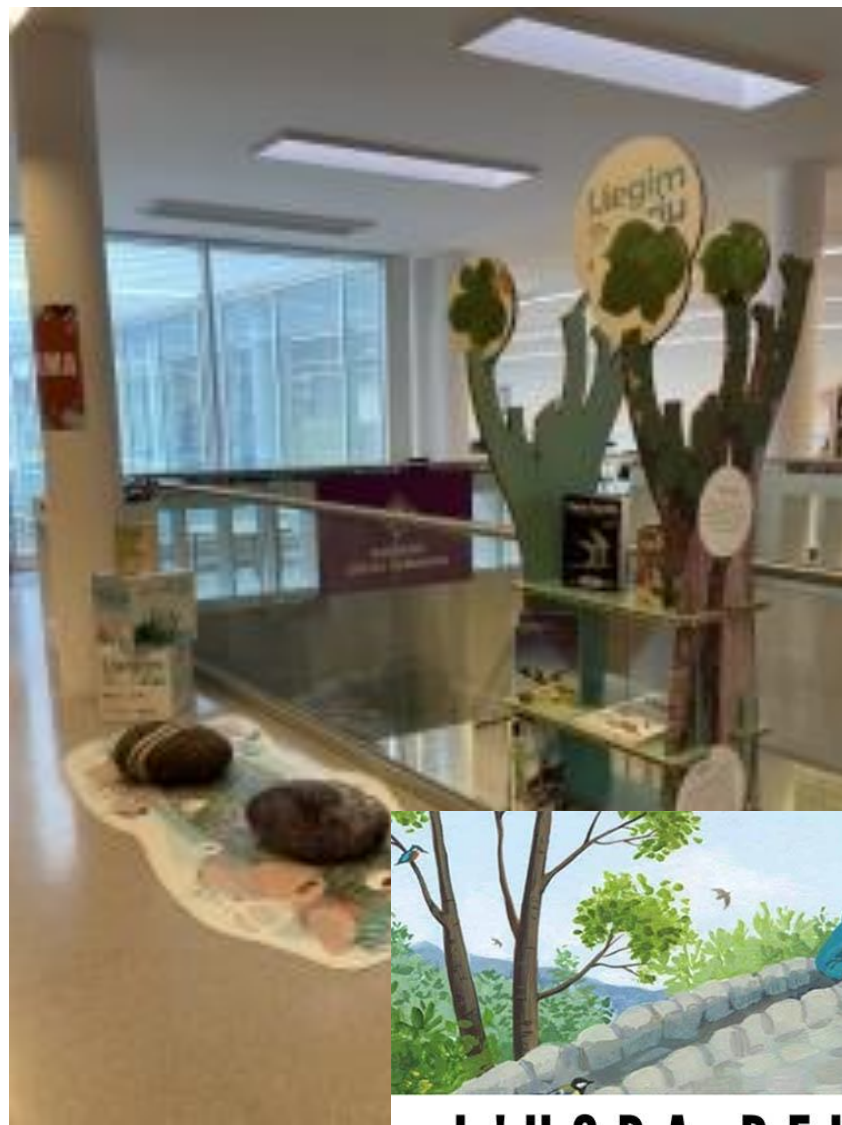
- Exploring Biodiversity
- Measuring Light in the Night
- Observing Pollinators
- Mapping Mosquito Habitats
- Monitoring Air Quality
- Zombie Hunting
- Assessing Indoor Air Quality

Llegim el riu

Llegim el riu suma **ciutadania i recerca ecològica dels rius** per afavorir el coneixement dels ecosistemes fluvials i la col·laboració ciutadana en la seva protecció.

Projecte transversal de la **Gerència de Serveis de Biblioteques i la Gerència de Serveis de Medi Ambient** de la Diputació de Barcelona, els ajuntaments i les biblioteques municipals.

Basat en el projecte de **Ciència Ciutadana RiuNet** (grup de recerca FEHMLab, Facultat de Biologia, UB).



L'HORA DEL
conte
EL SR. RIU
Recomanat a partir de 4 anys

A càrrec de Blai Senabre
Dissabte 22 d'octubre a les 11.30h.
a l'Espai del Riu Llobregat

Llegim elriu
Ciència ciutadana a la conca del riu Llobregat

Biblioteca
Salvador Vives Casajuana

amb la col·laboració de:
Diputació de Barcelona, FEHMLab, associació Ròbitots, Ajuntament de Sant Vicenç de Castellet, ESPAI TENEU Biblioteca

Octubre 2022. Sant Vicenç de Castellet



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Exemples de creació de comunitats_ **I les biblioteques universitàries?**

Visió de futur

#12jbpCRAIUB

Interacció creixent ciència ciutadana – biblioteques universitàries



Workshop onboarding Research Libraries to Citizen Science

Organizer: Thomas Kaarsted (University of Southern Denmark, SDU)

Co-Presenters: Darlene Cavalier (Arizona State University, SciStarter); Karen Ciccone (Lead Librarian For Public Science, North Carolina State University); Anne Kathrine Overgaard (Head Research And Innovation Support, Health Science Faculty, SDU); Thomas Kaarsted (Deputy Library Director And Director Of SDU Citizen Science) Knowledge Center

Interacció creixent ciència ciutadana – biblioteques universitàries

ecsa 2026

conference

oulu | 3-6 march



Fostering collaboration between research librarians and researchers through Citizen Science: Identifying needs, challenges, and building a roadmap

Citizen science offers opportunities for collaboration between research librarians and academics, leveraging their complementary skills. This workshop explores how to enhance institutional capacity and societal impact through joint efforts, aiming to co-develop a collaborative roadmap.

Isabelle Bonhoure (Universitat de Barcelona)

Josep Perelló (Universitat de Barcelona)

Thomas Kaarsted (University of Southern Denmark)

Anne Kathrine Overgaard (University of Southern Denmark)

Ciència ciutadana, biblioteques universitàries i comunitats

Samsul Farid, S., et al. (Eds.): ICoLIS 2023, Putrajaya: DLIS, FASS-UML, 2023



Malaysian University Librarians' Inclination towards Citizen Science

Nurfarahidah, B., Kiran, K. and Yanti Idaya Aspura, M.K.

Department of Library and Information Science

Faculty of Arts & Social Sciences

Universiti Malaya

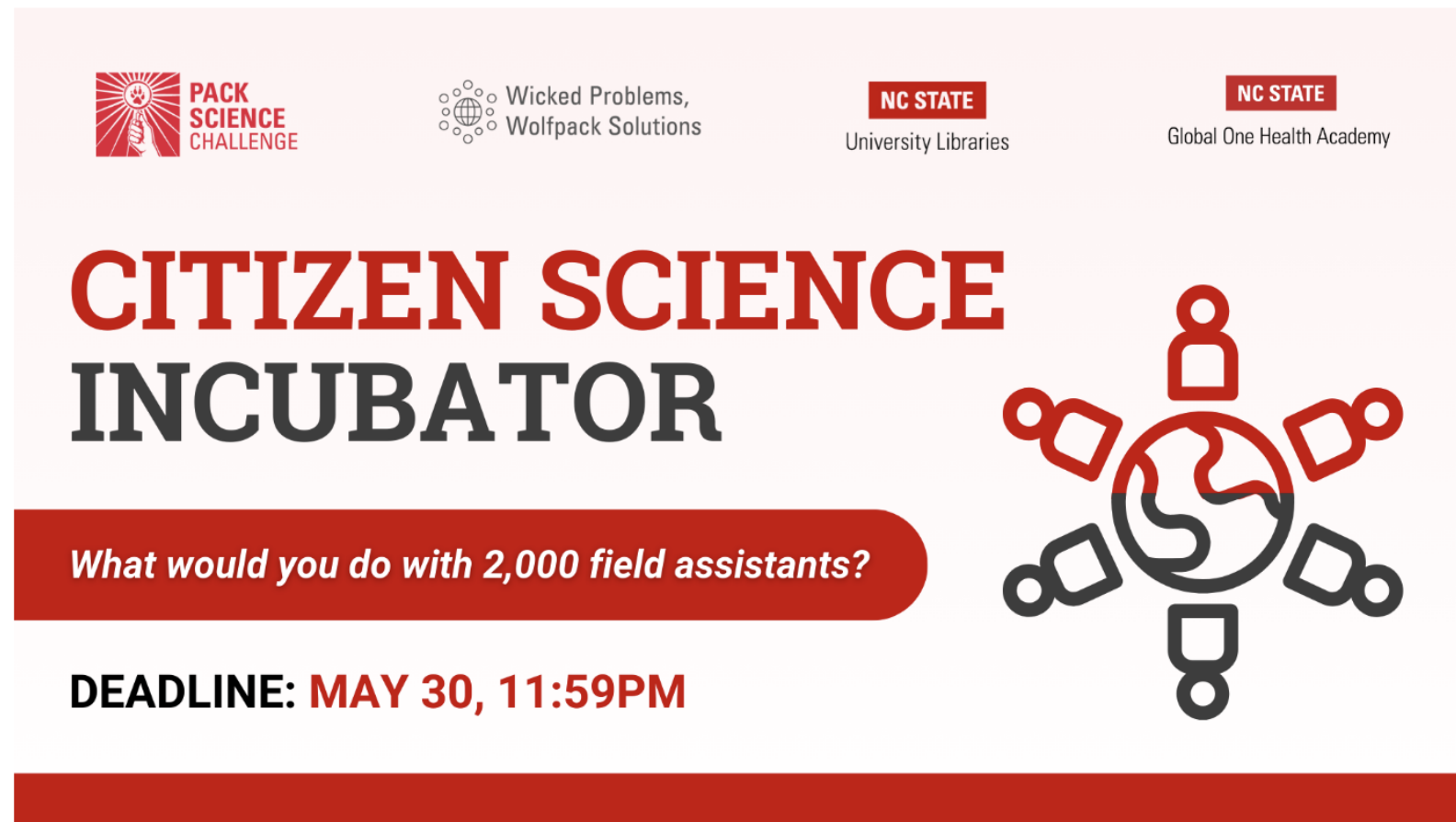
e-mail: 17035127@siswa.um.edu.my; kiran@um.edu.my ; yanti@um.edu.my

ABSTRACT

Libraries have been at the forefront of Open Science, of which Citizen Science is a one of the pillars for success. However, the literature reveals that the uptake of Citizen Science projects by university librarians in the South East Asian countries is lacking. This study aims to ascertain Malaysian university librarians' inclination towards citizen science projects at their campus. The study takes a quantitative approach using the survey method. Data is collected in two instances. (i) the current engagement level determined at multiple dimensions of cognitive, affective, social, behavioral and personal motivates; (ii) the possible roles and responsibilities in a citizen science project as librarians envisage. The population under study are librarians at all public universities in Malaysia. 321 responses were received through a survey conducted in April 2023. The findings reveal that only a small number of librarians are actively involved in citizen science projects at their respective universities, mainly as project managers or data stewards. As for possible roles in the future, it was hopeful of revealing that the majority of the librarians were very positive towards their ability to contribute on all cognitive, social, behavioral and personal levels to seek opportunities for future involvement in citizen' science to promote active citizenship among university campus society.

Keywords: Citizen Science; Open Science; Librarians; Academic Library; Malaysia

Ciència ciutadana, biblioteques universitàries i comunitats



PACK SCIENCE CHALLENGE

Wicked Problems, Wolfpack Solutions


NC STATE University Libraries

NC STATE Global One Health Academy

CITIZEN SCIENCE INCUBATOR

What would you do with 2,000 field assistants?

DEADLINE: MAY 30, 11:59PM



Do you have a scientific question that could engage the campus community in the research process? If so, your project could be this year's highlighted project through the [Citizen Science Campus!](#)

<https://citizenscience.ncsu.edu/>

North Carolina State University, US

Karen Ciccone



Lead Librarian for Public Science

Department: [Open Knowledge Center](#)

Phone: [\(919\) 515-3946](#)

Email: kacollin@ncsu.edu

[Request research consultation →](#)

 [0000-0002-8861-9857](#) 

 [Inclusive Excellence](#)

Name Pronunciation

kair - en chi - koh - nee

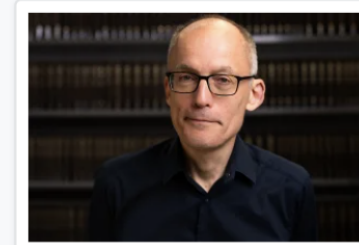
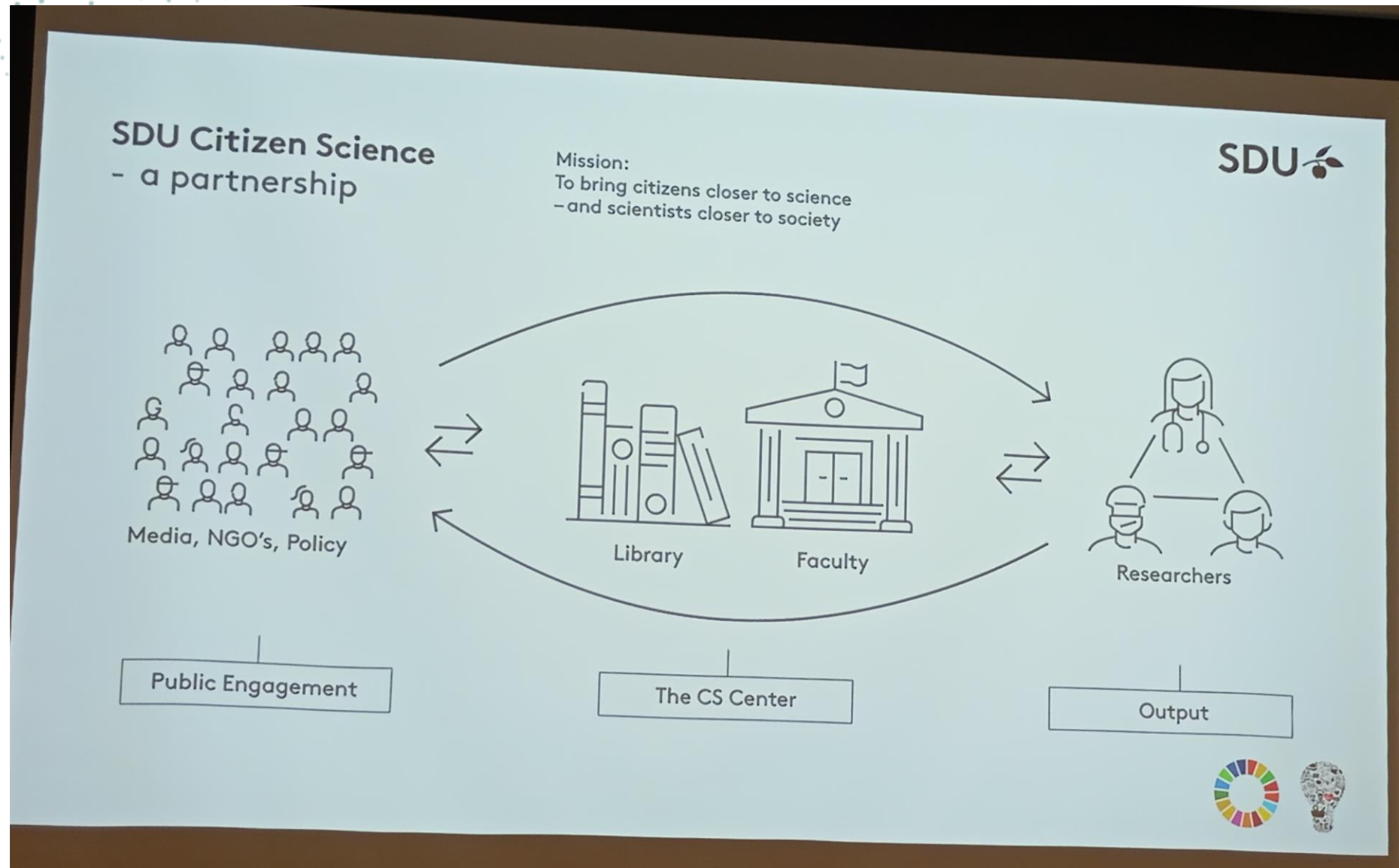
Libraries role

- Planning
- Graphic design
- Promotion
- Incentives
- Spaces
- Public programs, events and exhibits
- Data and visualization
- Citizen science equipment lending

Librarians skills

- Project management
- Event planning
- Graphic design
- Marketing
- Finding sponsorships
- Data and visualization
- Exhibit creation
- Open publishing

Ciència ciutadana, biblioteques universitàries i comunitats



Thomas Kaarsted

MA & MPG

The University Library of Southern Denmark

Head of Communications, The Library Administration

Head of Communications, SDU Citizen Science Knowledge Center

Head of Communications, SDU Climate Cluster

<https://orcid.org/0000-0001-6796-5753>

- Thomas Kaarsted offentlig CV

[View Scopus Profile](#)



Syddansk Forskerstøtte

Anne Kathrine Overgaard

Head of Southern Denmark Research Support

Telephone +4565501043

Telephone +4560111043

Email aovergaard@health.sdu.dk

Dept. The Faculty of Health Sciences

<https://www.sdu.dk/en/forskning/forskningsformidling/citizenscience>

University of Southern Denmark

Citizen Science in Viennese libraries



Austrian National Library Crowdsourcing

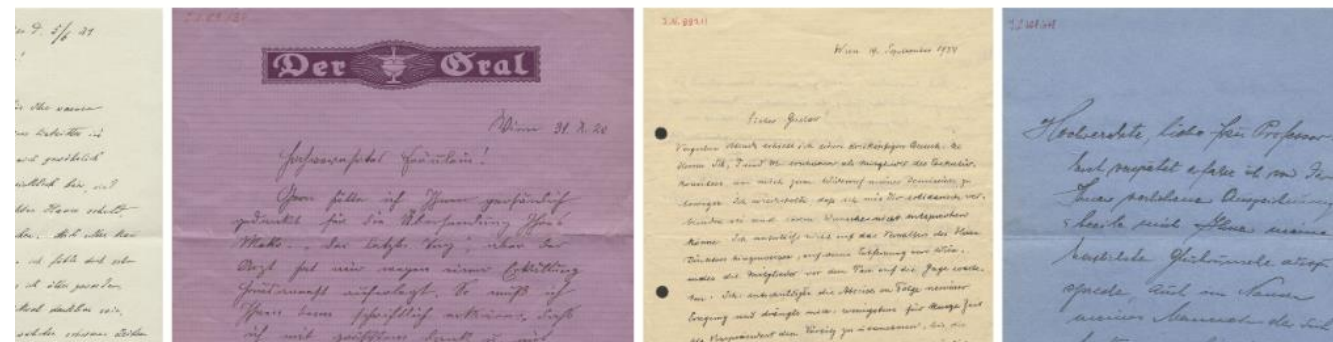
Library makes collections available and uses the intelligence of citizens for better indexing
 Goal = better use of unique collections, facilitate research
 Research activities of citizens: tagging, classifying, transcribing texts or images, georeferencing, ...

Wienbibliothek im Rathaus Crowdsourcing

“Red Vienna”

893 von 4 560 Briefen überprüft

4 558 TRANSKRIBIERT
 893 ÜBERPRÜFT
 4 560 GESAMT



TU Wien Bibliothek Citizen Social Science

Library focuses on co-creation of knowledge
 Goal = empower people and foster democracy

Co-creation & participatory approaches
 (Citizen social sciences, AR, science shops)



Citizens' & CSOs' real-world problems

Scientist as co-designer and facilitator

Shared, open, and reflexive research process

Hidalgo, Perelló, Bonhoure et al. (2021).
https://doi.org/10.1007/978-3-030-58278-4_11

“Austria from the air”



<https://wienbibliothek.crowdsourcing.wien/briefe-1920-1934/>

 <https://crowdsourcing.onb.ac.at/blog/index.html%3Fp=1112.html>



Citizen involvement



Inclusion strategy

- to facilitate access to our innovative library space
- to share results with involved co-researchers and stakeholders

Citizen involvement



Gumpi

- **Amerling-gymnasium:**
2 teachers, 60 students
- **WMS Loquaipplatz:**
2 teachers
72 students



Urban Heat Stories

- **OMS Pfeilgasse:**
1 teacher
- **BRG6 Marchettigasse:**
2 teachers
- **Diefenbach-gymnasium:**
1 teacher



Gumpi

- **Lobby organi-sations:**
JUNO, FEMA, Mamilein & Papilein
- **Municipal library**



Urban Heat Stories

- **Pensioners' Club**
Herzgasse
- **Co-housing initiative**
Kolokation

Teachers: 100% female
Students: approx. 50:50
132 students in total
Age 14-16

Teachers: 75% female
Students: approx. 50:50
Approx. 55 students
Age 12-18

80% female
5 single parents
in total
Age 31-50

100% female
8 residents in total
Age 73-83

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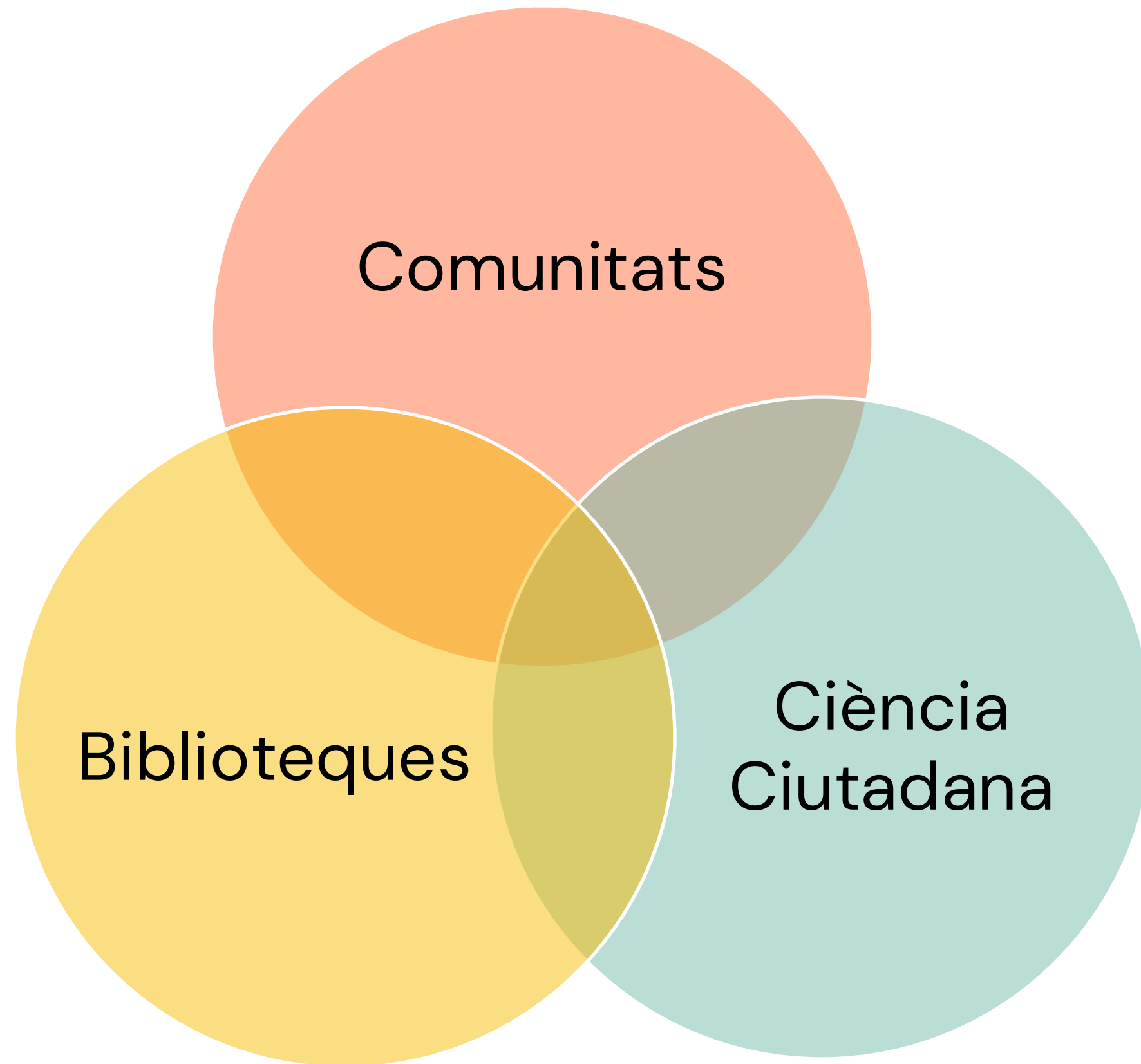
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**FINESTRA
D'OPORTUNITAT**
... i Ciència Oberta



- 1) Com articular una col·laboració més horitzontal entre investigadors acadèmics, personal bibliotecari i comunitat a través de projectes de Ciència Ciutadana ?
- 2) Com potenciar coneixements i habilitats del personal bibliotecari que afavoreixin el seu rol actiu en les diferents fases de la recerca?
- 3) Com es poden implicar conjuntament la comunitat i el personal bibliotecari en la curació de dades científiques i potenciar-ne l'impacte social?
- 4) Com plantejar la col·laboració, interoperabilitat i escalabilitat entre les diferents biblioteques i els diferents projectes de Ciència Ciutadana?
- 5) Quines pràctiques innovadores de Ciència Ciutadana poden fomentar la inclusió social, la diversitat i el compromís ciutadà a les biblioteques?



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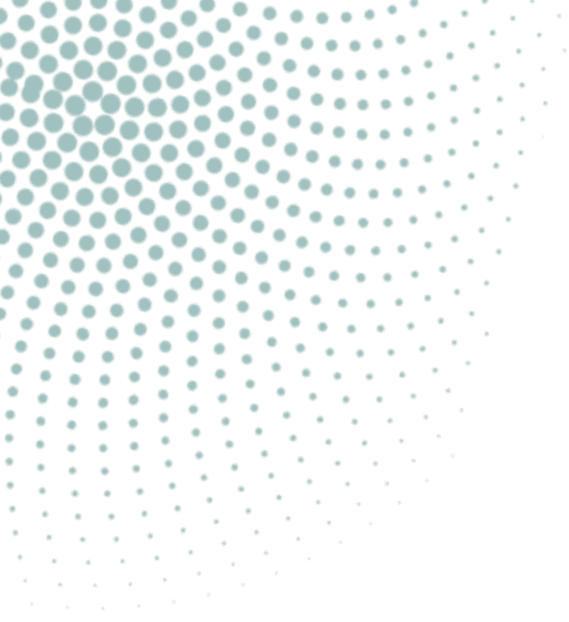
The CoAct project has received funding from the European Union's Horizon 2020 Research and Innovation programme under grant agreement No. 873048



Proyecto PCI2022-132996 financiado por MICIU/AEI /10.13039/501100011033 y por la Unión Europea NextGenerationEU/PRTR

Stochastic Methods And Citizen science practices in the study of social Complex Systems (SMACXS) Proyecto PID2022-140757NB-I00 financiado por MCIN/AEI/10.13039/501100011033 y por FEDER, UE





Isabelle Bonhoure
Isabelle.Bonhoure@ub.edu

**12a JORNADA de BONES
PRÀCTIQUES del CRAI
de la UB
#12jbpCRAIUB
Fem Comunitat**

Moltes gràcies !

16 de juliol de 2025

CRAI

Centre de Recursos per a
l'Aprenentatge i la Investigació
UNIVERSITAT DE BARCELONA

