

# The Role of Libraries in Citizen Science

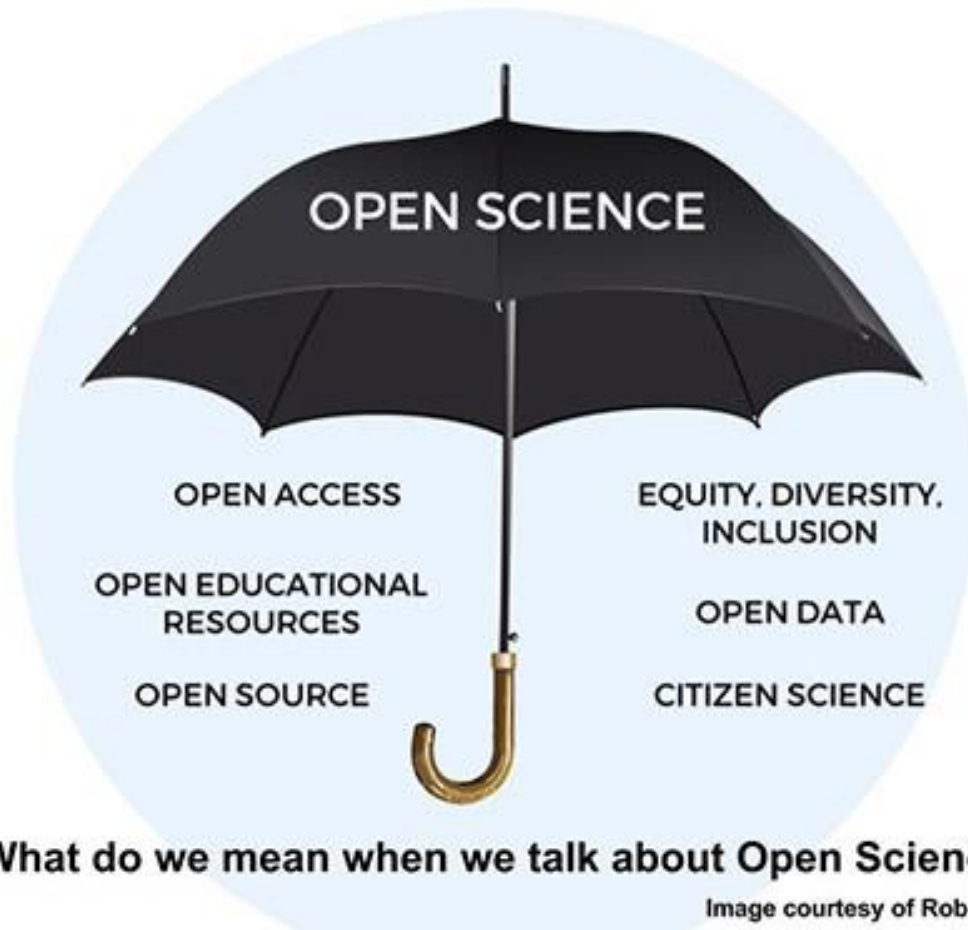
dr. Tautkeviciene G., Pranckute A.

Kaunas University of Technology

<https://biblioteka.ktu.edu/>

IX International Scientific Conference 'University Library at the New Stage of Social Communications Development', 3-4 October, 2024

- 
- **Citizen Science Definition;**
  - **Roles of Libraries in Citizen Science;**
  - **Librarians' Competence for Citizen Science**
  - **Citizen Science Projects at Kaunas University of Technology and the Library**
  - **The Library as Citizen Science Hub**



**What do we mean when we talk about Open Science?**

Image courtesy of Robin Champieux

- It is research involving members of the general public, usually non-professional amateur scientists.
- Participants from the general public collect, share, analyze, or transcribe data and observations, often over large geographic areas or extended periods, usually using mobile applications and the internet.

# The 10 Principles of Citizen Science

ktu

Cite this document as:

ECSA (European Citizen Science Association). 2015. Ten Principles of Citizen Science. Berlin. <http://doi.org/10.17605/OSF.IO/XPR2N>

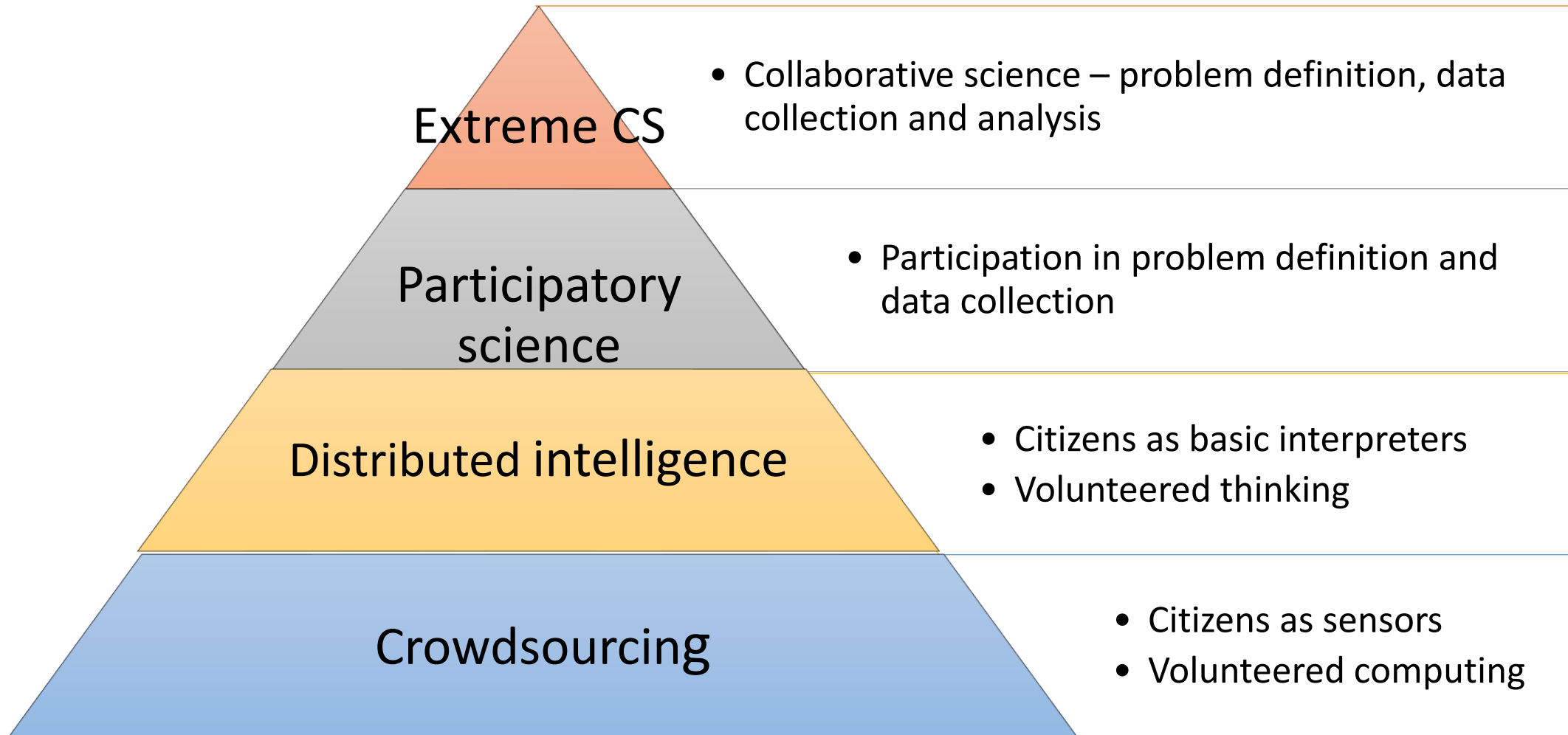


## Десять принципів громадянської науки

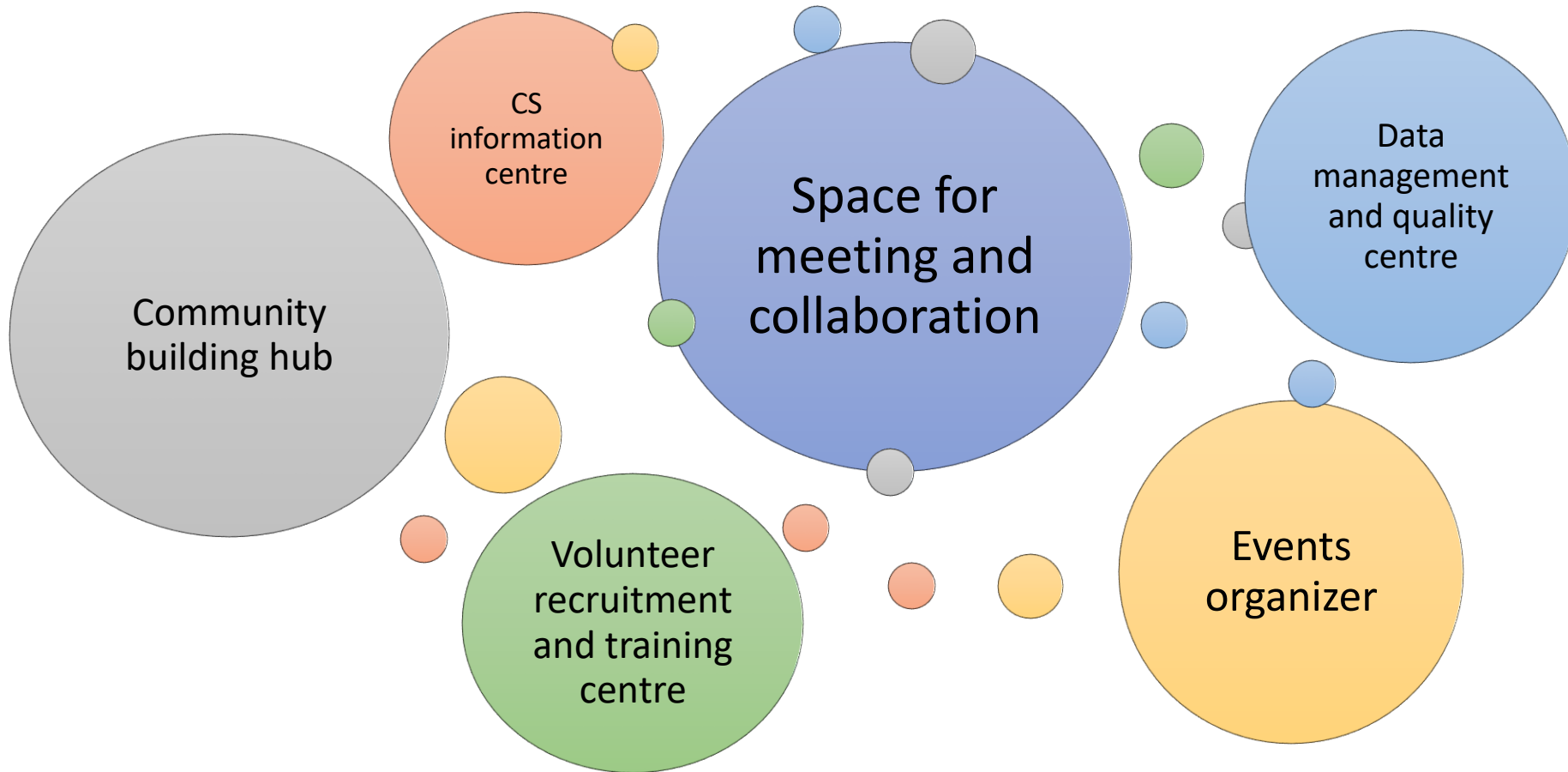
Громадянська наука – це гнучка концепція, яку можна адаптувати та застосовувати в різних ситуаціях і дисциплінах. Наведені нижче твердження розроблені робочою групою «Обмін передовим досвідом та нарощування потенціалу» Європейської асоціації громадянської науки, під керівництвом Музею природознавства в Лондоні та за участі багатьох членів Асоціації, для того, щоб викласти деякі ключові принципи, які, як ми вважаємо, лежать в основі належної практики громадянської науки. Український переклад зробив Сергій Назаровець.

1. **Громадянські наукові проекти активно залучають громадян до наукової діяльності для отримання нових знань та їх розуміння. Громадяни можуть бути учасниками, співавторами, керівниками проекту і відігравати значущу роль у проекті.**
2. **Громадянські наукові проекти приносять справжні наукові результати.** Це можуть бути відповіді на суто наукові питання, а також прикладні аспекти, наприклад, у сфері охорони навколишнього природного середовища та екологічної політики.
3. **Користь від участі у проектах отримують як професійні науковці, так і громадяни.** Ця користь може полягати в публікації результатів досліджень, можливості отримувати нові знання, моральне задоволення, соціальну взаємодію, а також

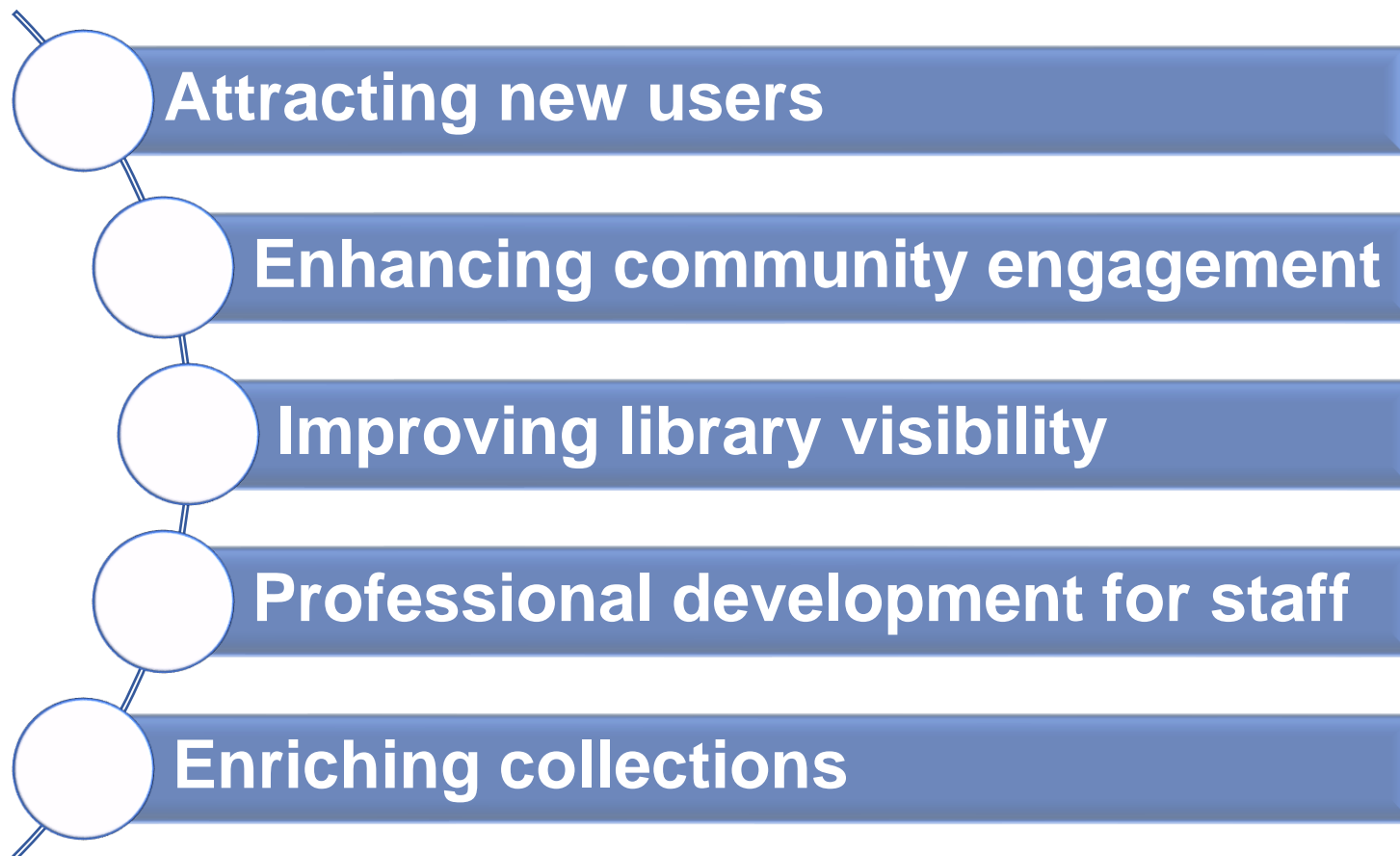
# Citizen Science by Engagement



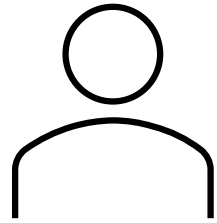
# The Role of Libraries in Citizen Science



# Benefits of Citizen Science for Libraries

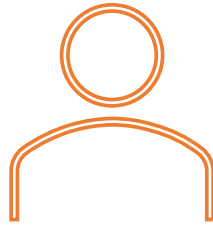


# The Librarians' Role and Activities



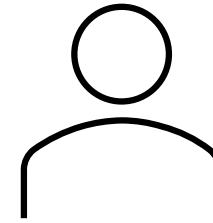
## Participant

- Volunteering
- Data gathering
- Data analysis
- Data visualization
- Other activities depending on engagement level



## Mediator / facilitator

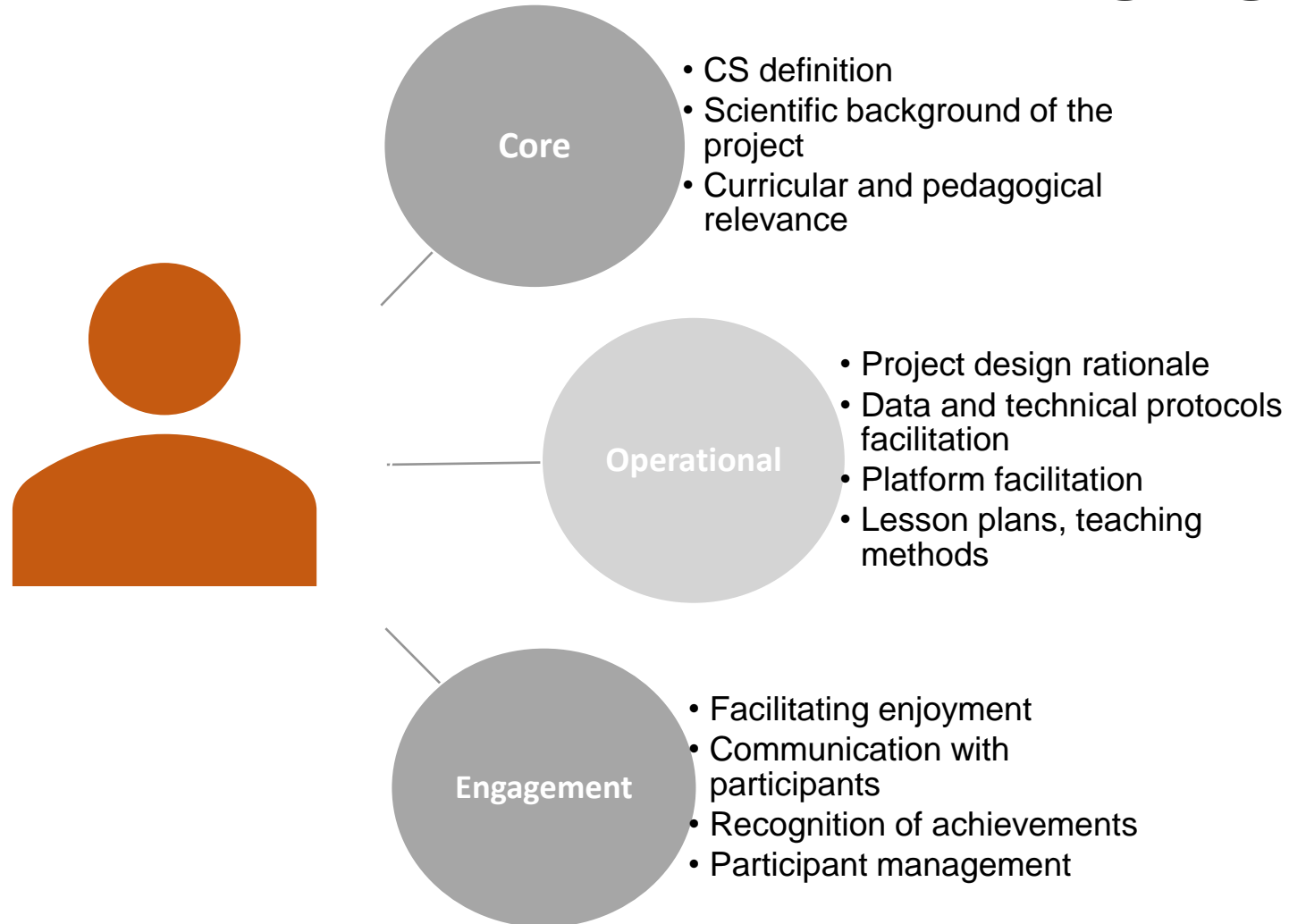
- Literature search
- Data management
- Community building
- Information dissemination
- Providing training
- Participants recruitment and engagement
- Connecting researchers and citizen
- ...



## Project initiator / implementer

- Writing a project management plan
- Preparing a project sustainability plan
- Preparing a data management plan
- Writing protocols for data gathering
- Searching for funding

# Training Needs for Librarians as Facilitators in CS



# Citizen Science Projects at KTU

- The Citizen Science Cost Action **CA15212** (2016-2021)
- National project "Citizen Science as an Innovative Form of Citizen Participation for the Development of a Welfare Society" (**CS4Welfare**) (2020-2021)
- Supporting Sustainable Institutional Changes to Promote Citizen Science in Science and Technology (**TIME4CS**) (2021-2023)
- University libraries strengthening the academia-society connection through citizen science in the Baltics (**LibOCS**) (2022-2024)
- **SMART-ER, YOUCOUNT, PRO-BLEU, ENHANSE, AGILE, Baltics4UA...** (2020 onwards)



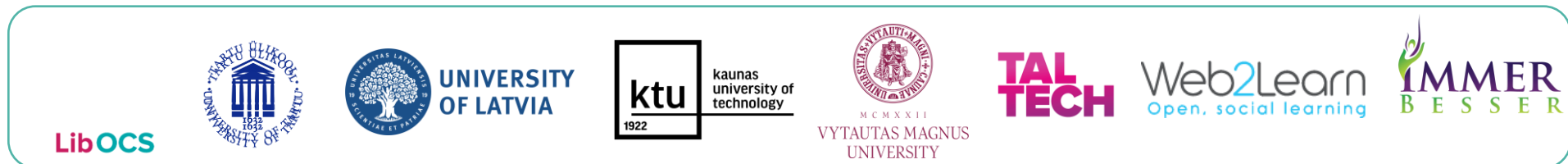
# University libraries strengthening the academia-society connection through citizen science in the Baltics

## Objectives:

- strengthening the role academic libraries can play in Citizen Science activities in the region.
- to improve the Citizen Science and Open Science skills of academic and library personnel in the Baltics.
- to create institutional change through testing and implementing a citizen science single point of contact in participating LibOCS universities.

LibOCS

<https://www.libocs.ut.ee>



# Citizen Science for Librarians: Self-Paced Learning Course

ktu

**Citizen Science for Librarians**  
Self Paced Learning Course

<https://www.libocs.ut.ee/>

<https://tinyurl.com/LibOCSONline>

**5** open access modules

Co-funded by the Erasmus+ Programme of the European Union This project has been funded with support from the European Commission. This announcement reflects the views only of the authors, the Commission cannot be held responsible for any use which may be made of information contained therein.

ktu Home Dashboard My courses KTU.EDU

## Citizen Science for Librarians: Self Paced Learning Course

Course Settings Participants Grades Reports More

- General
- Citizen Science and the Role of Libraries
- Skills for Librarians Involved in Citizen Science Projects
- Project Management Skills for Citizen Science
- Engagement and Communication in Citizen Science Projects
- Research and Data Management Skills for Librarians Involved in Citizen Science Projects
- Final knowledge check

<https://open.ktu.edu/mod/page/view.php?id=9767>

# Library as Citizen Science Hub

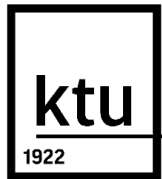


- Collaboration with Faculty of Social Sciences, Art and Humanities researchers
- CS portal running on Library's website
- Collaboration with Public Libraries
- Project for CS hub development in partnership of Faculty of Social Sciences, Art and Humanities running

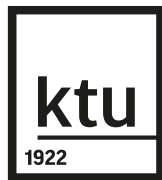
# Development of Citizen Science Activities at KTU



**Finansuoja**  
**Europos Sąjunga**  
NextGenerationEU



library



faculty of social  
sciences, arts  
and humanities

**The aim** of the project is to develop the activities of the Citizen Science Hub through outreach, communication and coordination of citizen science related activities in order to increase the involvement of the University community in citizen science projects.

2024-2025



# Higher education resilience in refugee crises: forging social inclusion through capacity building, civic engagement and skills recognition (AGILE)

2022-2025

The objective is to contribute to building inclusive higher education systems capable of addressing the ongoing refugee crises through common values, civic engagement, social participation and recognition of skills in refugees' learning pathways.



<https://agileproject-erasmus.eu>

University of Ljubljana



AGILE project



[https://www.instagram.com/agile\\_project](https://www.instagram.com/agile_project)





Co-funded by the  
Erasmus+ Programme  
of the European Union



2023-2025

# Supporting Ukraine through citizen engagement at Baltic Universities (Baltics4UA)

The objective is to enhance Baltic universities' social responsibility through civic engagement actions to address the Ukrainian humanitarian crisis in the Baltics.



<https://baltics4ua.eu/>



<https://twitter.com/Baltics4UA>



<https://www.facebook.com/baltics4ua>



Web2Learn  
Open. social learning





Images: All cartoons by Frits Ahlefeldt, CC BY-NC-ND 4.0  
<https://fritsahlefeldt.com/>

- ✓ Libraries recognise the great potential of citizen science. Libraries can play an important role in managing and preserving research data and metadata, and in enabling the organisation, skills development and collaboration necessary for citizen science.
- ✓ Low level of libraries engagement is related with lack of funding and human resources, lack of knowledge and skills.
- ✓ Communication and collaboration with a wide range of stakeholders - researchers, teachers, administrators, citizens - is essential.
- ✓ When organizing events, it is very important to connect with the community and the target group for which the events are organised. We need to involve them and make them co-organisers of these events.

# The Role of Libraries in Citizen Science

dr. Tautkeviciene G., Pranckute A.

Kaunas University of Technology

<https://biblioteka.ktu.edu/>