Open Science and Research Support at the Library of Kaunas University of Technology

9th December, 2024

Assoc. Prof. Gintare Tautkeviciene

Library Director

KTU Library

5 Libraries

5 Library Units:
- Reader Services
- Information Services
- Research Information Services
- Information Resources Management Services
- Rare Books

School of Economics and Business and Social Science and Humanities Library

University Campus Library

Chemical Technology Library

Mechanical Engineering and Design Library

Panevėžys Faculty of Technologies and Business Library

Research support provided by OpenAIRE NOAD since 2009

act a National Open Access Desk (NOAD) for Lithuanian researchers (provide training sessions / consultations)

act as Research Data Alliance (RDA) National Node Lithuania to promote the outputs and recommendations delivered by the Research Data Alliance in the national context

2019 – 2020 RDA Europe 4.0 National Node Lithuania
2018 – 2020 OpenAIRE-Advance (OpenAIRE Advancing Open Scholarship)
2015 – 2018 OpenAIRE2020 (Open Access Infrastructure for Research in Europe 2020)
2011 – 2014 OpenAIRE plus (2nd Generation of Open Access Infrastructure for Research in Europe)
2009 – 2011 OpenAIRE (Open Access Infrastructure for Research in Europe)

https://www.openaire.eu
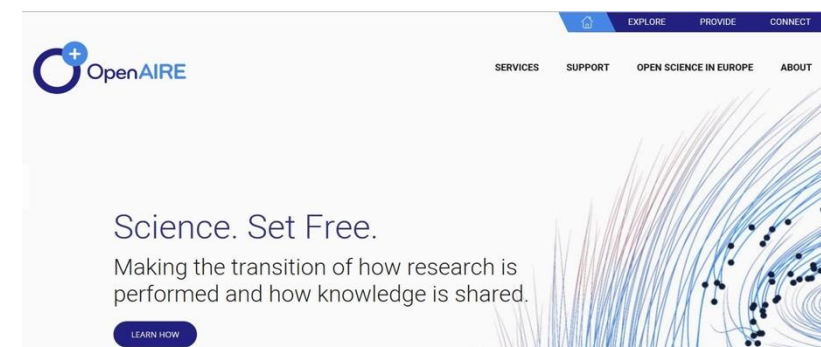
➢ Workshops, webinars
➢ Training sessions
➢ Courses
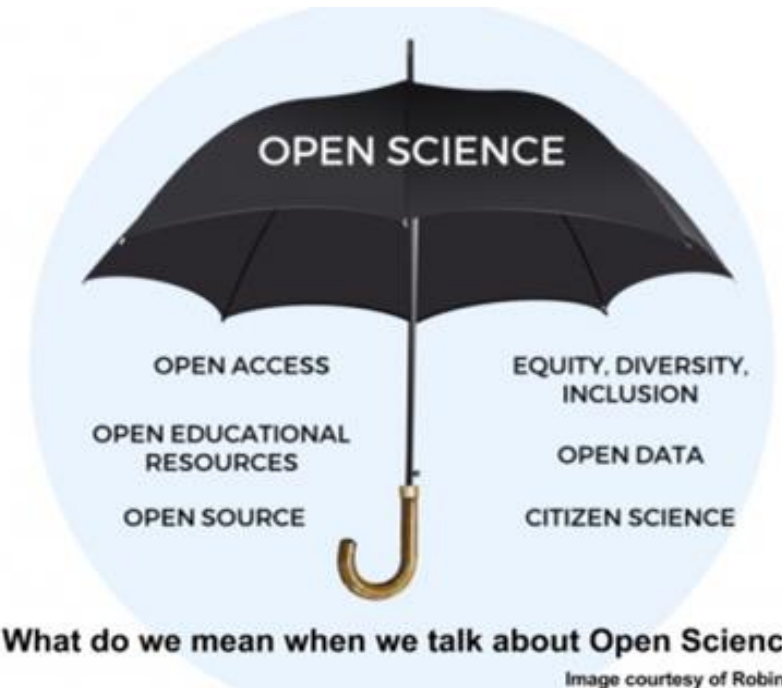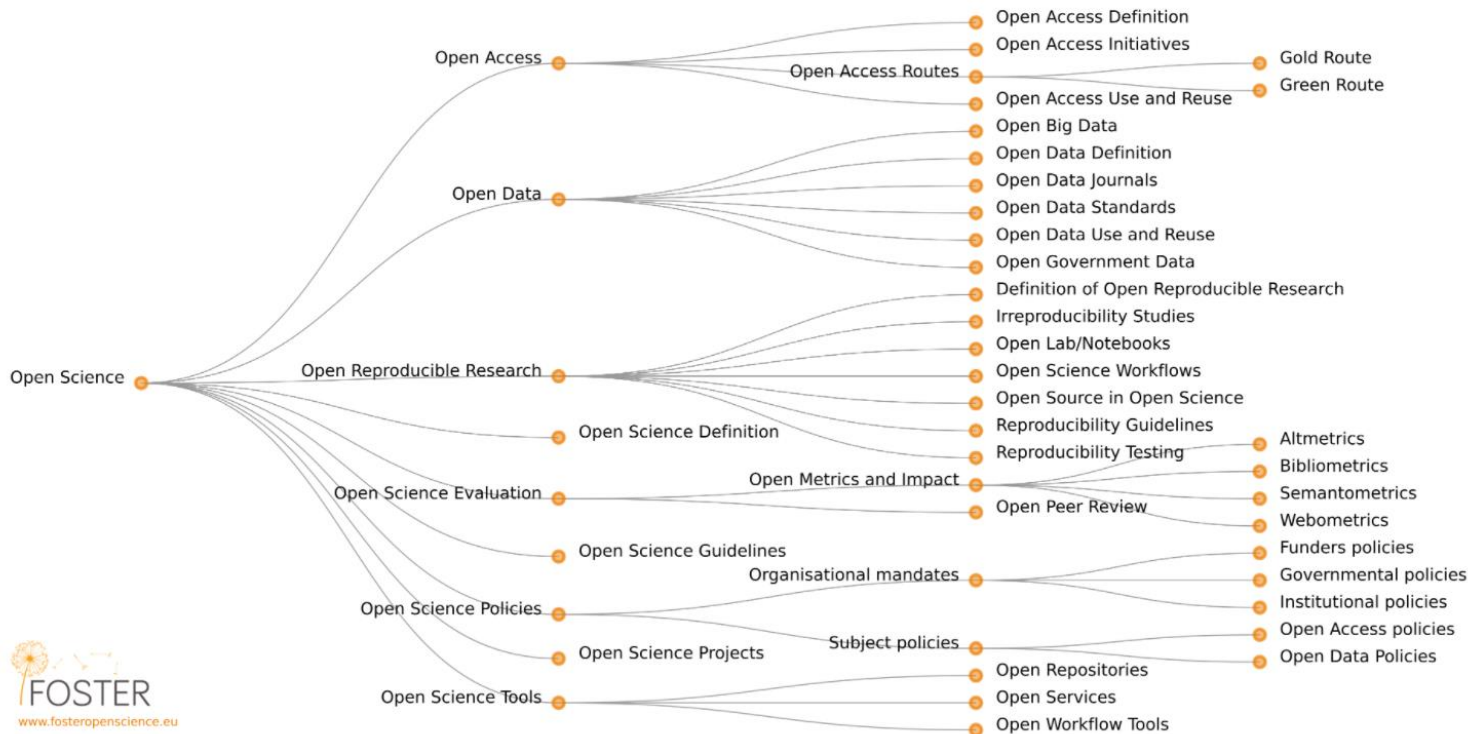➢ Web-based training material

Research Data Alliance
Europe National Node Lithuania, 2019

- ➢ acts as a team of experts who represent different institutions and fields of activity
- ➢ promote and disseminate the outputs and recommendations developed by RDA
- ➢ raise awareness and provide support in RDM in the national context
- ➢ provide feedback to RDA on achievements.

The RDA Europe National Node Network

Open Science

Open Science Taxonomy

What do we mean when we talk about Open Science?

Image courtesy of Robin Champieux

https://open-science-training-handbook.github.io/Open-Science-Training-Handbook_EN/

National policy (1)

The Law on Higher Education and Research (2009, revised in 2015 and 2016): "The results of all research work carried out in state higher education and research institutions must be communicated to the public".

The Research Council of Lithuania adopted "Guidelines on Open Access to Scientific Publications and Data" on 29 February 2016: https://e-seimas.lrs.lt/portal/legalAct/lt/TAD/8113c930e0b811e5b18181b790158f61

The change in Article 51 on Publicity of scientific results in the Law on Higher Education of the Republic of Lithuania came into force on 1 September 2024:

"*In order to ensure the quality of scientific research carried out with the funds of the state budget, the transparency of the use of the funds of the state budget, to increase the possibilities of using the results of scientific research, and to promote the progress of science, all results of scientific research and experimental development carried out in science and study institutions **with the funds of the state budget must be made publicly available in open access**, insofar as it is not in contradiction with the legislation regulating the protection of personal data, intellectual property, professional, commercial, or state and official secrets, national security and defense, and also the activities of the law enforcement agencies and the public security. **The procedure for the implementation of open access to the results of scientific research and experimental development shall be established by the Research Council of Lithuania**.*"

National policy (2)

On 30 August 2024 The Research Council of Lithuania has issued the "[Description of the Procedure for Open Access to Research and Experimental Development Results](#)", which obliges the authors of research funded by the Research Council to open publications and manage data in accordance with the principles of FAIR, and to open them if there are no reasonable impediments. It also provides requirements/recommendations for research and study institutions.

The following regulating documents must be in place by 31 December 2026:
- Description of the procedure for monitoring open access to research and experimental development results
- An action plan for open access to research and experimental development

OS policy at the University   ktu

"Regulations on the Open Access to Scientific Publications and Data of Kaunas University of Technology" adopted December 22, 2016, revised May 13, 2020

APPROVED BY
Order No. A-589 of the Rector of
Kaunas University of Technology
of 22 December 2016

REGULATIONS ON THE OPEN ACCESS TO SCIENTIFIC PUBLICATIONS AND DATA OF KAUNAS UNIVERSITY OF TECHNOLOGY

CHAPTER I
GENERAL PROVISIONS

1. Regulations on the Open Access to Scientific Publications and Data (hereinafter – Regulations) regulate the key principles, procedure, obligations and responsibility of the employees and students of Kaunas University of Technology (hereinafter – University) related to the publishing of scientific publications and data in the open access.

PATVIRTINTA
Kauno technologijos universiteto
rektoriaus 2020 m. gegužės 13 d.
įsakymu Nr. A-236

KAUNO TECHNOLOGIJOS UNIVERSITETO ATVIROSIOS PRIEIGOS PRIE MOKSLO PUBLIKACIJŲ IR MOKSLINIŲ TYRIMŲ DUOMENŲ NUOSTATAI

I SKYRIUS
BENDROSIOS NUOSTATOS

1. Kauno technologijos universiteto atvirosios prieigos prie mokslo publikacijų ir mokslinių tyrimų duomenų nuostatai (toliau – Nuostatai) reglamentuoja Kauno technologijos universiteto (toliau – Universitetas) darbuotojų ir studentų mokslo publikacijų ir mokslinių tyrimų duomenų skelbimo atvirojoje prieigoje pagrindinius principus, tvarką, įsipareigojimus ir atsakomybę.

A new revision of the policy is being carried out by the representatives of the Department of Research Affairs and the Library in the frame of the FAIR-IMPACT support programme for research performing organizations.

8

**Research Information Services Unit** established at KTU Library in 2015

Provides research information services for KTU:

- manages the publications database and electronic theses and dissertations database on the institutional repository ePubl (part of the national repository eLABa, in operation since 2015)
- carries out bibliometric analysis
- provides training sessions / consultations

The Unit has also contributed to the activities of the National Open Access Desk for Lithuanian researchers (provide training sessions / consultations)

The position of data librarian since 2017.
The position of research data manager since 2021.
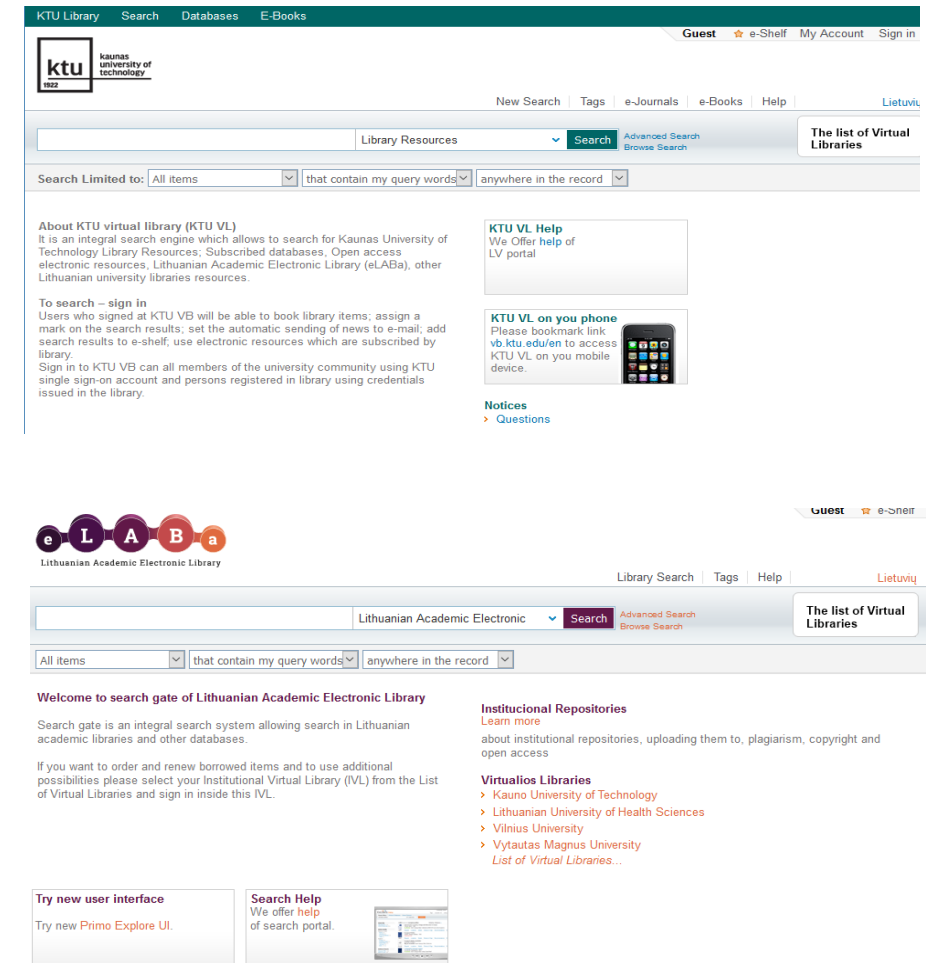
FOSTER: "Promoting Open Science among Young Researchers: Opportunities and Challenges"

2015-2016
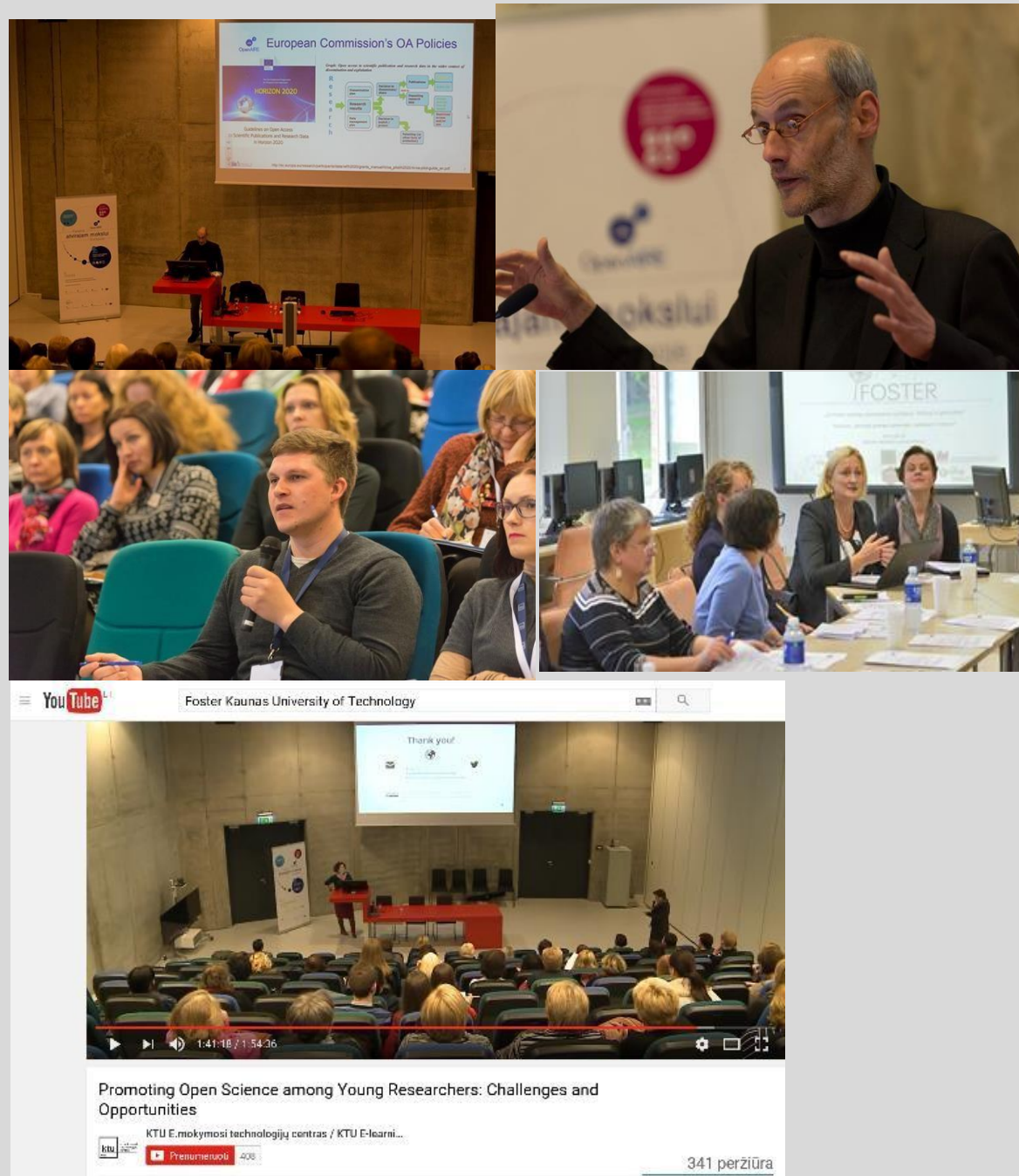
Towards built-in practices

KTU in cooperation with the University of Stavanger, a partner from the European Consortium of Innovative Universities, focus on the development of transferable skills at the international PhD Summer School

KTU INTERNATIONAL
PhD Summer School
21–25 AUGUST 2017
PALANGA, LITHUANIA

ktu
kaunas
university of
technology
1922

22 AUGUST 2017 ——————— Tuesday

Writing for Scholars. Scientific Writing
Lynn P. Nygaard, PRIO, Norway
Jacek Fiutowski, University of Southern Denmark

23 AUGUST 2017 ——————— Wednesday

Project Management for PhD Students
Flavien Massi, Intelligentsia Consultants Sàrl, Luxembourg

24 AUGUST 2017 ——————— Thursday

Open Science and Research Data Management: tips and tools to help you plan to get the most from your data
Sarah Jones, Digital Curation Center, UK
Iryna Kuchma, EIFL, Lithuania

2nd international PhD Summer School: "Open Science and Research Data Management"

24 August 2017

**Workshop
"Practising FAIR
and Open Data
Management"**
April 19-20, 2018

**Open Science Trainer Bootcamp
and Open Data Workshop on
writing Data Management Plans**
April 2-3, 2019

Conference *Focus on Open Science*
October 29, 2019

Workshop Getting Stated with Research Data Management Support
October 30, 2019

Workshop on (23 Things for) Research Data Management
March 5, 2020

Training materials, resources, programmes

Moodle-based course for researchers "Effective use of research information resources" developed in cooperation with the Lithuanian Research Library Consortium

IATUL Research Impact Things
A self-paced training program for IATUL libraries

Mokslinių tyrimų poveikio temos

Moodle-based modules on library training topics

https://openscience.ktu.edu/

National Open Science portal developed to promote Open Science

My courses

★ Bibliotekos mokymai ★

★ Library trainings ★

S274D104 Research Data Management Gintarė Tautkevičienė

PhD course "Research Data Management"   ktu

Topics:
1. Research Data.
2. Research Data Management Plan.
3. Research Data Management Guidelines, Standards and Tools.
4. Legal and Ethical Issues. Data Licensing and Data Citations.
5. Using and Sharing Data.
6. Data Repositories and Archives.
7. Open Science Initiatives.

- approval at the committee of the joint Doctoral Programme in Educational Science, June 2017
- moodle-based course was offered for PhD students as an elective (6 ECTS), since 2018 – 2019
- converted into a 1 ECTS course as one of the electives for developing generic competences, 2021

ECIU SMART-ER training course "Open Science"

https://open.ktu.edu/course/view.php?id=158

Open Science at KTU Library website

https://library.ktu.edu/open-access/

Ethics and Integrity of Research

> Law on Academic Ethics and Procedures of the Republic of Lithuania (adopted in 2011)
> Lithuanian Code of Ethics for Scientists (published in 2012)
> Lithuanian Implementation and Maintenance Recommendations for Higher Education Institutions (adopted 2015)

- staff members of KTU Library took part in the **VIRT2UE** Train-the-Trainer programme in the frame of the project "Virtue based ethics and Integrity of Research: Train-the-Trainer program for Upholding the principles and practices of the European Code of Conduct for Research Integrity", in 2020.
- In 2021 a full day session on Research Integrity was given online to PhD students at KTU: the participants were led through the exercises that cover key aspects of research integrity, including moral and epistemic virtues, encompassing robust, open and reproducible research practices.

- Training and consulations

https://embassy.science/wiki/Guide:Bbe860a3-56a9-45f7-b787-031689729e52

Implementing the FAIR Principles

The support program dedicated to organisations working at a national level and researchers to build adoption of FAIR practices.
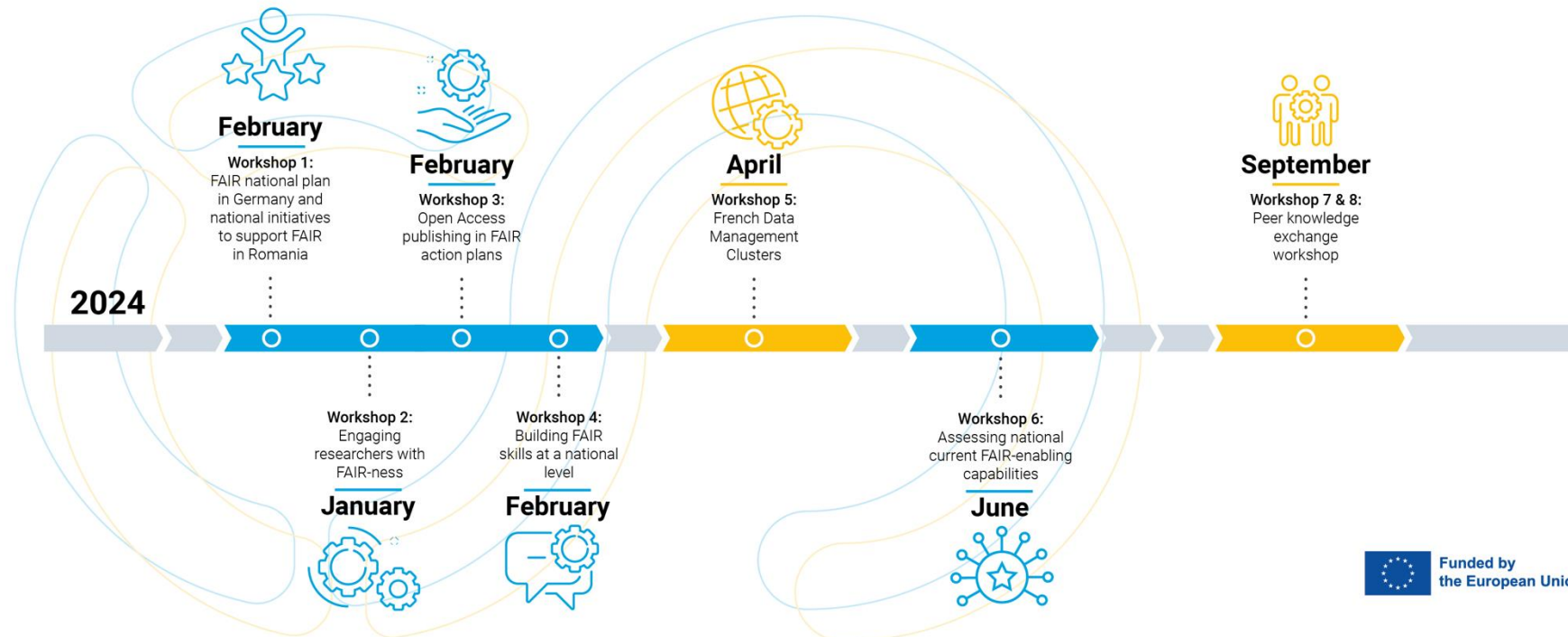
Lessons learnt

To give effective Open Science training and support, we need an interplay of the following elements:

- **policy** – relevant national and institutional regulations
- **infrastructure** – user-friendly and state of the art tools available
- **competence** – adequate knowledge and skills, training and support to develop them

… also we need to

❑ know about global tendencies and seek to implement them on the national and institutional level (legal documents, infrastructure)

❑ seek support from stakeholders

❑ raise awareness

❑ develop the competence of researchers and administrative staff

❑ be proactive
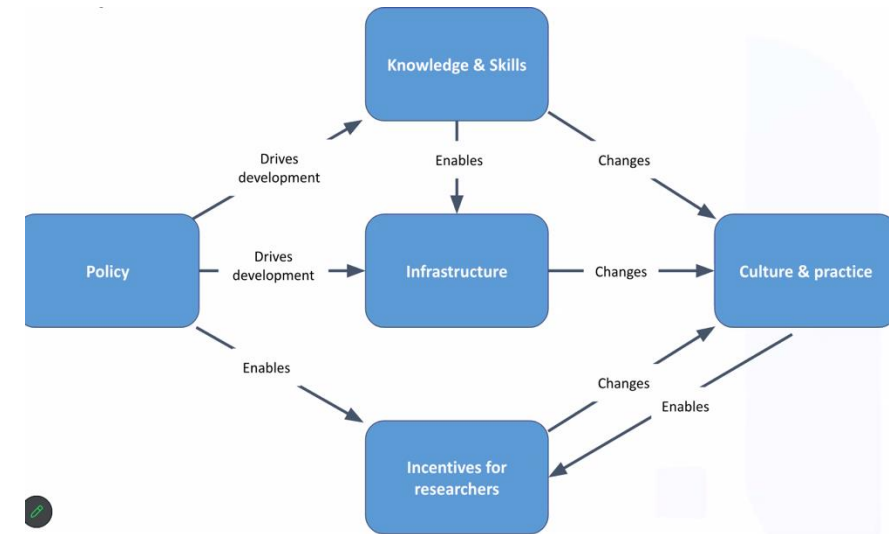
- University libraries strengthening the academia-society connection through citizen science in the Baltics (LibOCS, 2022-2024)
- Supporting Ukraine through citizen engagement at Baltic Universities (Baltics4UA, 2023-2025)
- Higher education resilience in refugee crises: forging social inclusion through capacity building, civic engagement and skills recognition (AGILE, 2022-2025)

Image from Frits Ahlefeldt: Logbook, watercolors & drawn Stories
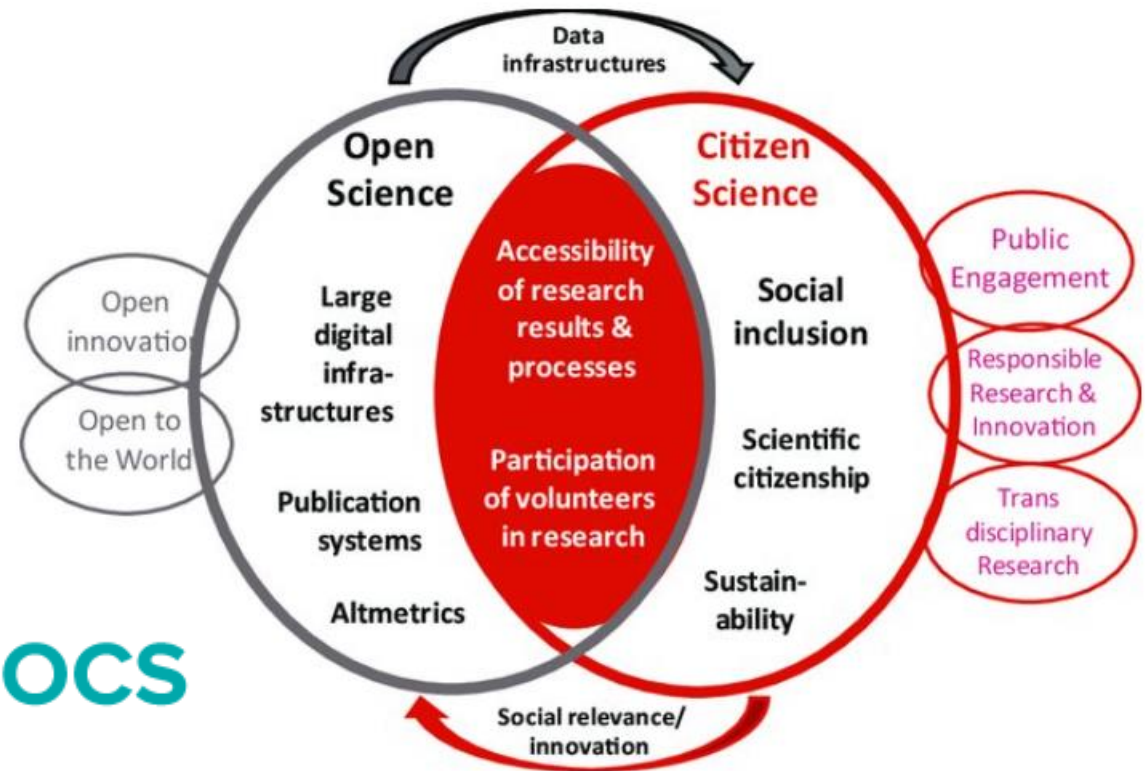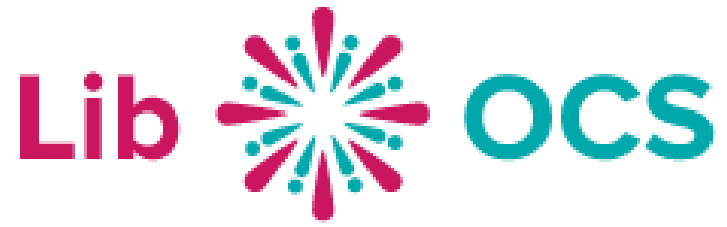
University libraries strengthening the academia-society connection through citizen science in the Baltics

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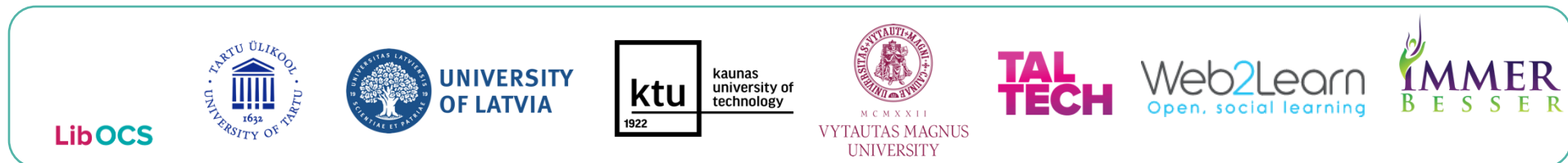
https://www.libocs.ut.ee

Citizen Science for Librarians: Self Paced Learning Course

Lib OCS

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

Citizen Science for Librarians

Self Paced Learning Course

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.

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General
  Announcements
> Citizen Science and the Rol...
> Skills for Librarians Involv...
> Project Management Skills...
> Engagement and Commun...
> Research and Data Manag...
> Final knowledge check
  Course Certificate

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

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

2022-2025

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

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10 May, 2024

Assoc. Prof. Gintare Tautkeviciene

Library Director