

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

10 May, 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



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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

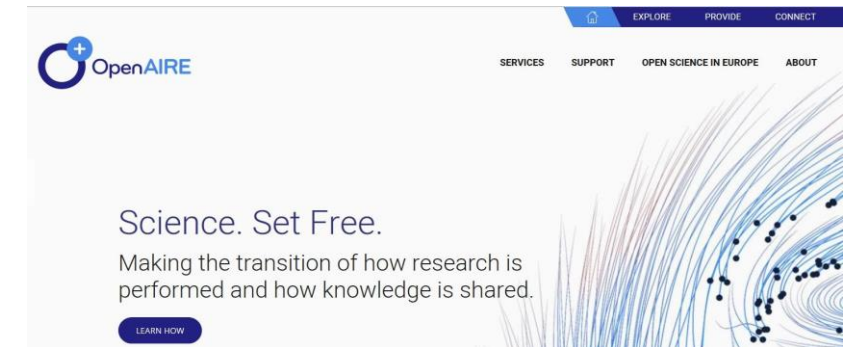
2019 – 2020 RDA Europe 4.0 National Node Lithuania

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

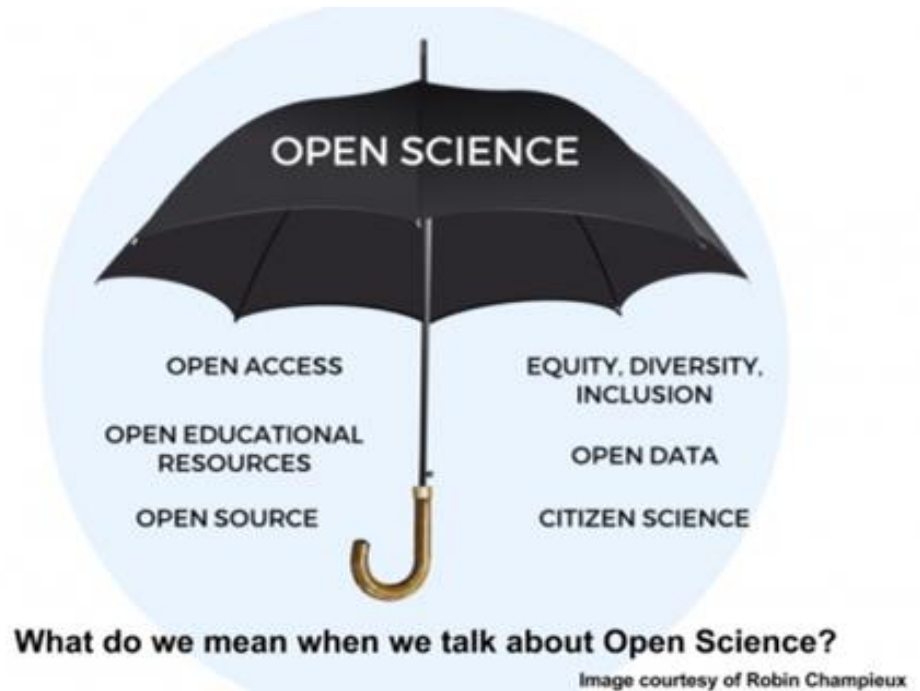
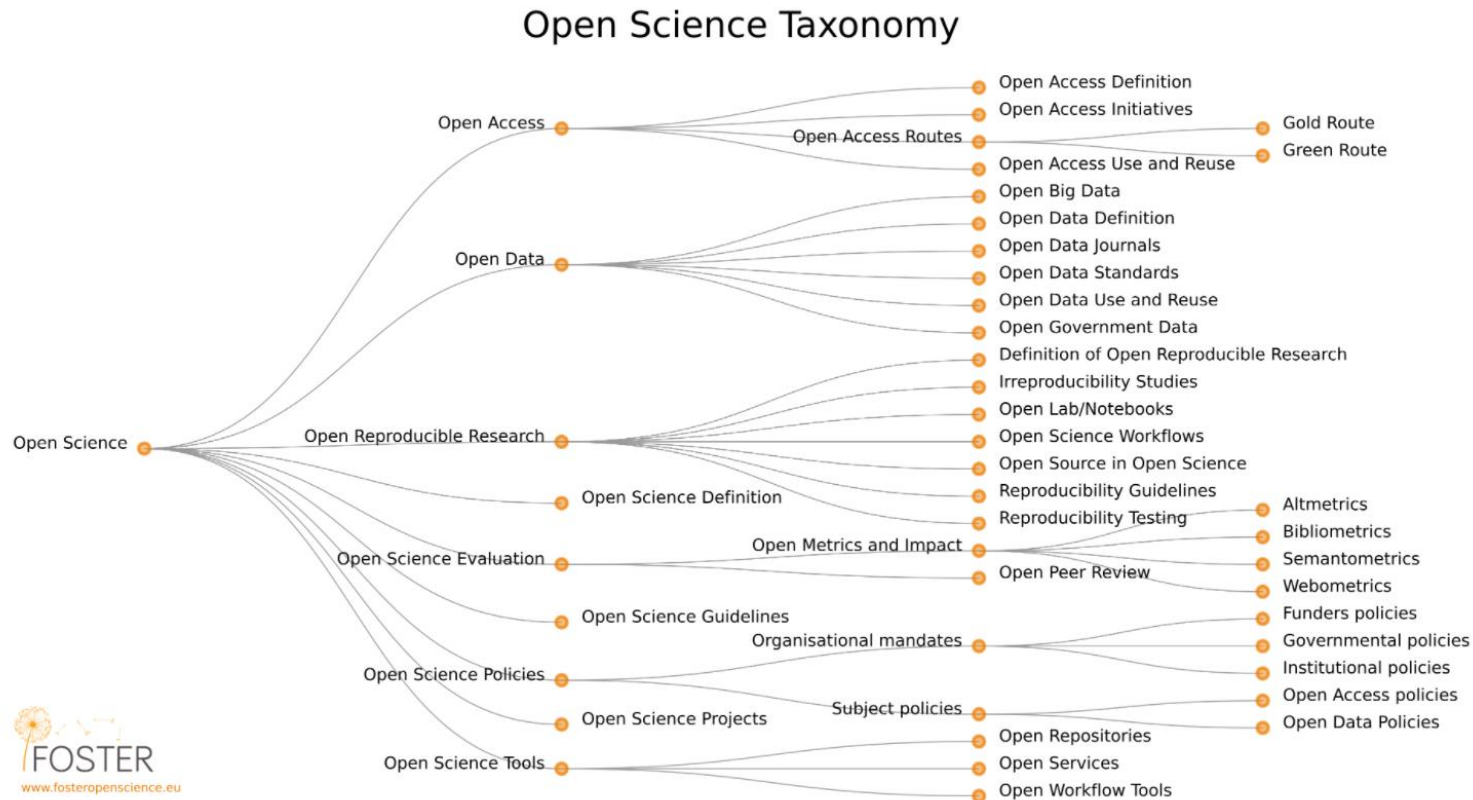
Research Data Alliance

Europe National Node Lithuania, 2019

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- 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.





- Policy
- Infrastructure
- Knowledge and skills

“Guidelines on Open Access to Scientific Publications and Data” February 29, 2016:
<https://e-seimas.lrs.lt/portal/legalAct/lt/TAD/8113c930e0b811e5b18181b790158f61>

A mandate to write a DMP for projects funded by the Research Council of Lithuania

20. The project leader shall ensure the preservation of the data generated in the course of the project implementation in digital form, and the transfer of such data for storage at the institution and/or to the repository upon the end of the project. The data must be preserved for a period no shorter than five years following the completion of the project.

21. The implementers of the project intending to accumulate the relevant data must include in the proposal a data management plan. In the course of the implementation of the project the relevant data management plan may be adjusted.

22. The expenses incurred during the project to implement the data management plan are eligible expenses, and may be included as an item of the estimated total cost of the project.

23. The data underlying the scientific publications referred to in Chapter IV of the Guidelines must be made openly accessible at the same time as the publications. The data must be made accessible in repositories or other ways specified by the publishers, and linked to the relevant publications.

24. Project implementers may be exempted from the provisions of the Guidelines on Open Access to data (or part thereof), upon a reasonable explanation and if:

24.1. the data have been obtained not in the course of the project implementation, or the scientific publication was not based on original data, i.e. the data were not compiled and/or generated during the project;

24.2. the data that have commercial value or can be used for industrial purposes may be exempted from the general principle of Open Access.

24.3. Opening Access to the data would be incompatible with the confidentiality requirements;

24.4. Opening Access to the data would contradict the requirements regarding the protection of personal data;

24.5. Open Access to the data would prevent attaining the objectives of the project;

24.6. there are other legitimate reasons not to open the data.

OS policy at the University

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“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 of Kaunas University of Technology (hereinafter – University) related to the publications and data in the open access.

PATVIRTINTA
Kauno technologijos universiteto
rektorius 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.

OS Infrastructure



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Research Information Services Unit established at KTU Library in 2015

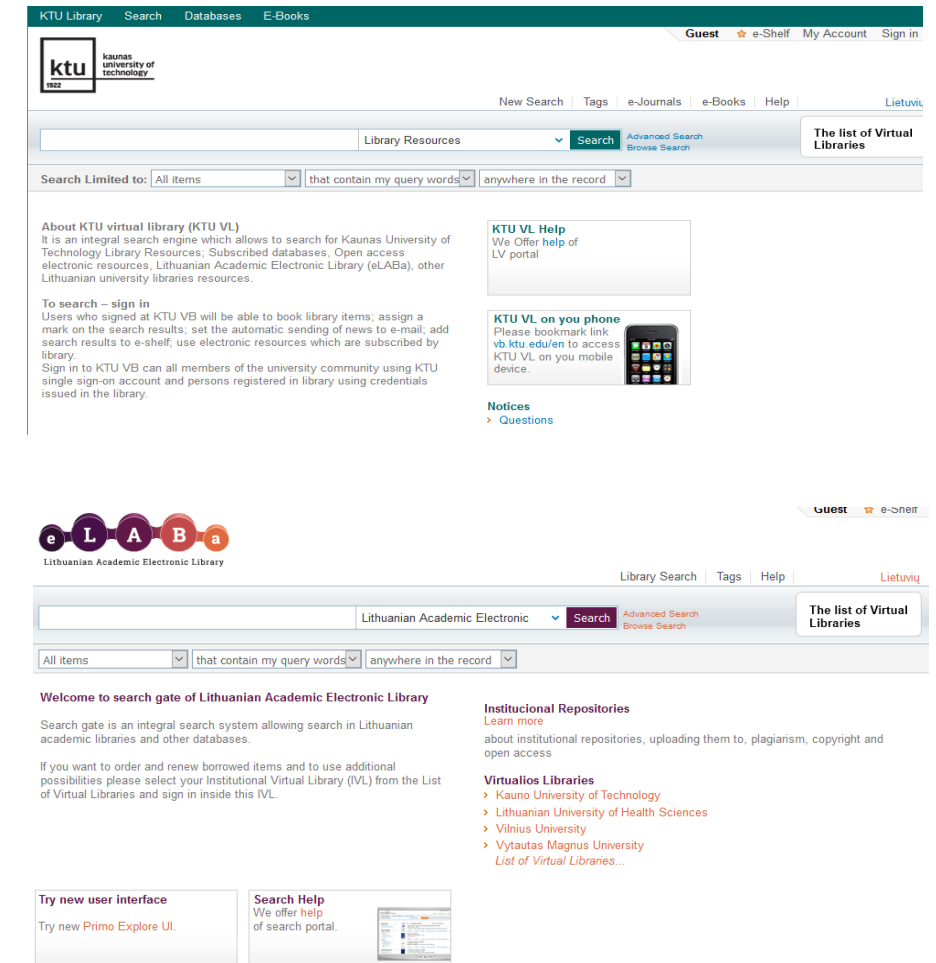
Provides research information services for KTU:

- 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

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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



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

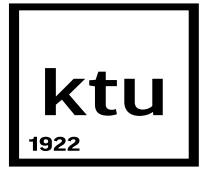
Flavien Massi, Intelligentsia Consultants Sàrl, Luxembourg

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 23 Things for Research Data Management

March 5, 2020





PhD course “Research Data Management”


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S274D104 Research Data Management Gintarė Tautkevičienė


Course Settings Participants Grades Reports More ▾



 Announcements

 Four Dilemmas Powerpoint 2007 presentation

 Discussion Forum

 Course plan PDF document

 Introduction to the Course Powerpoint 2007 presentation

1 Open science; open access, open peer review, open data	2 Legal and ethical issues in open science	3 Research data repositories and archives	4 Open data and FAIR data principles	5 Research data management recommendations, standards and tools	6 Research data management plan	 Resources
 Assignments						

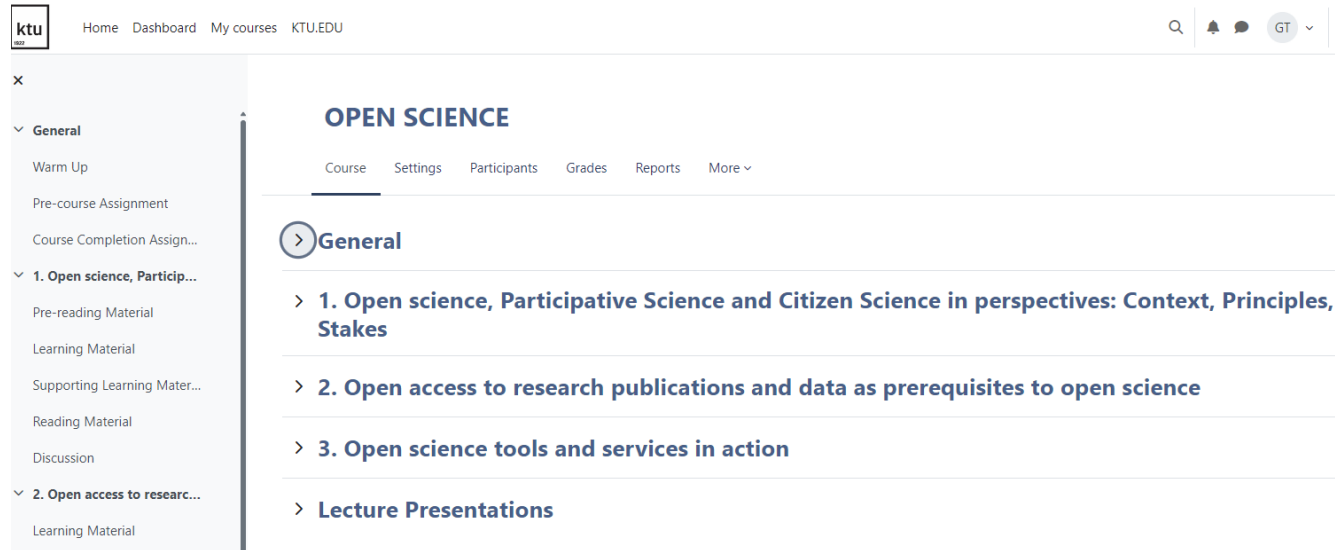
Topics:

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”

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The screenshot shows the KTH Open Science course page. The top navigation bar includes the KTH logo, 'Home', 'Dashboard', 'My courses', and 'KTU.EDU'. On the right, there are search, notification, and user profile icons. A left sidebar menu is open, showing categories like 'General', '1. Open science, Particip...', and '2. Open access to researc...'. The main content area is titled 'OPEN SCIENCE' and has tabs for 'Course', 'Settings', 'Participants', 'Grades', 'Reports', and 'More'. Under the 'General' tab, there is a list of course topics: '1. Open science, Participative Science and Citizen Science in perspectives: Context, Principles, Stakes', '2. Open access to research publications and data as prerequisites to open science', '3. Open science tools and services in action', and 'Lecture Presentations'.

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Home Dashboard My courses KTU.EDU

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General

Warm Up

Pre-course Assignment

Course Completion Assign...

1. Open science, Particip...

Pre-reading Material

Learning Material

Supporting Learning Mater...

Reading Material

Discussion

2. Open access to researc...

Learning Material

OPEN SCIENCE

Course Settings Participants Grades Reports More ▾

General

- > 1. Open science, Participative Science and Citizen Science in perspectives: Context, Principles, Stakes
- > 2. Open access to research publications and data as prerequisites to open science
- > 3. Open science tools and services in action
- > Lecture Presentations

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

Open Science at KTU Library website

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Open Science

About open science

Open access policies

European Open Science Cloud

Open access to scientific publications

Plan S

Open access to research data

Research Data Management

Citizen Science

Seminars, conferences

Open Science LT

About open science

Open science – Open Science is the practice of science in such a way that others can collaborate and contribute, where research data, lab notes and other research processes are freely available, under terms that enable reuse, redistribution and reproduction of the research and its underlying data and methods. Open Science encompasses a variety of practices, usually including areas like open access to publications, open research data, open source software/tools, open workflows, citizen science, open educational resources, and alternative methods for research evaluation including open peer-review (Pontika et al., 2015). The academic libraries mainly focus on the insurance of open access to publications and open access to research data.

Modern research builds on extensive scientific dialogue and advances by improving earlier work. The Europe 2020 strategy for a smart, sustainable and inclusive economy underlines the central role of knowledge and innovation in generating growth. Therefore, broader access to scientific publications and data helps to:

- **Build on the previous research results** (improved quality of results)
- **Encourage collaboration** and avoid the duplication of efforts (greater efficiency)
- **Speed up innovation** (faster progress to market means faster growth)
- **Involve citizens and society** (improved transparency of the scientific process).





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[community](#)

[training](#)

[about](#)

[search the embassy](#)



Your platform for research integrity and ethics

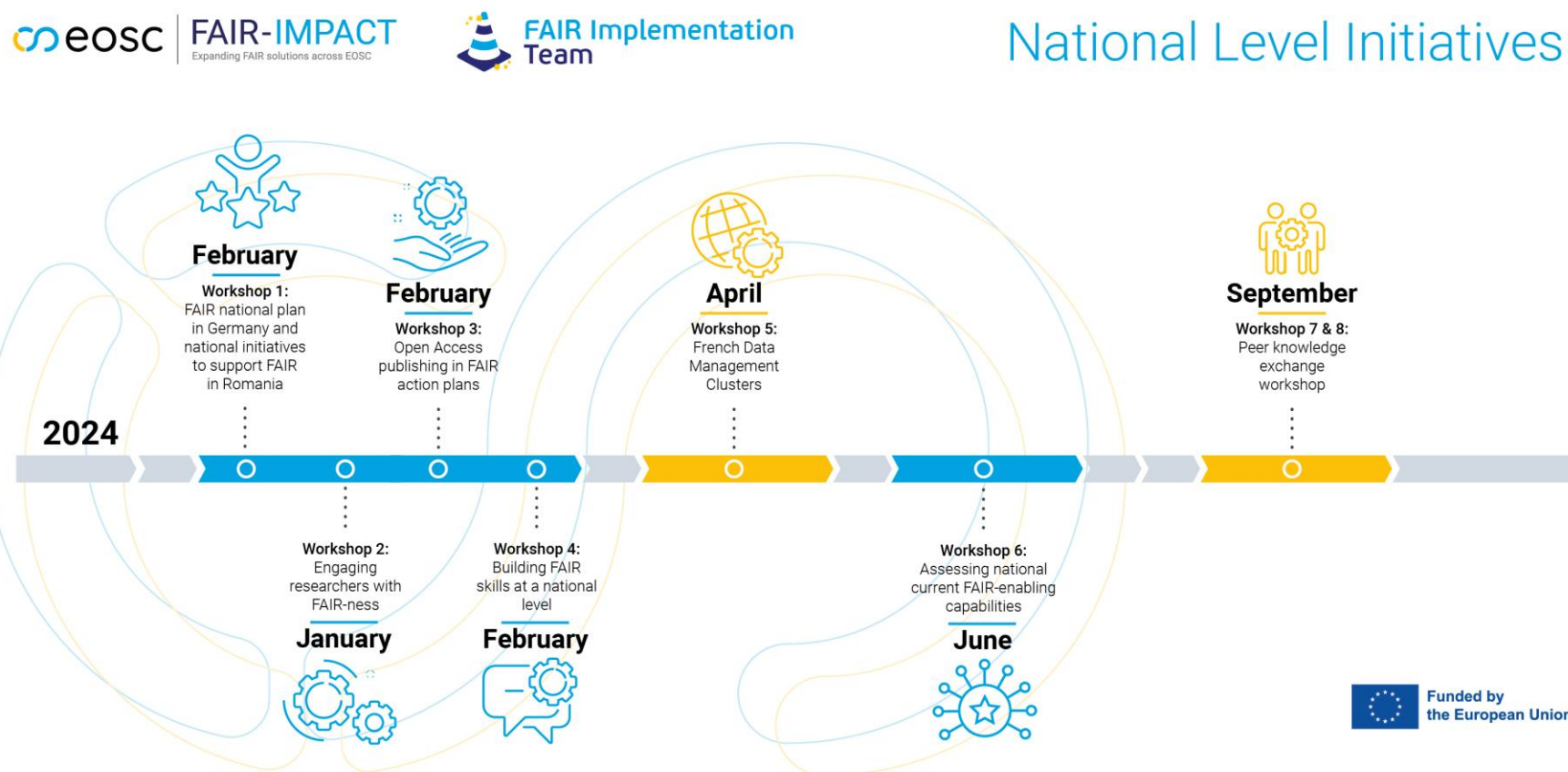
▶ The Embassy story 2:07 min

- [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 consultations

Implementing the FAIR Principles

The support program dedicated to organisations working at a national level and researchers to build adoption of FAIR practices, 2024-2025

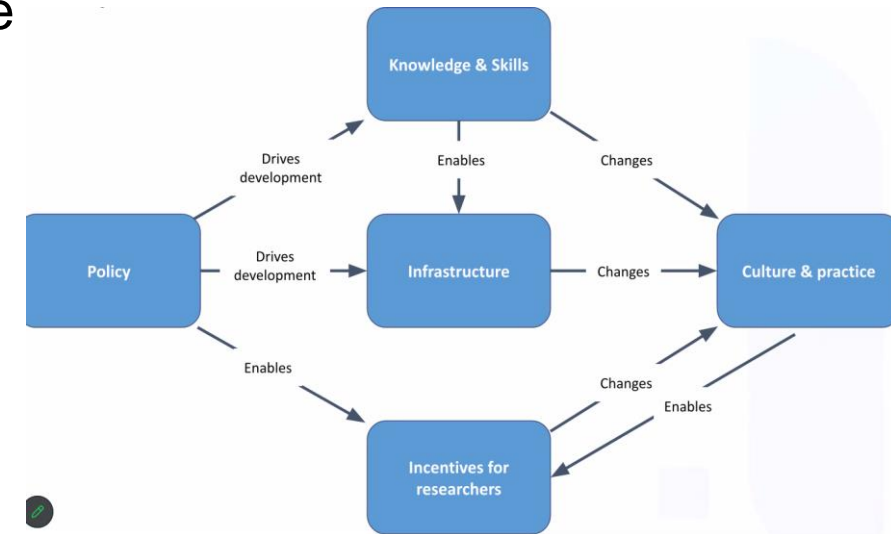


Lessons learnt

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

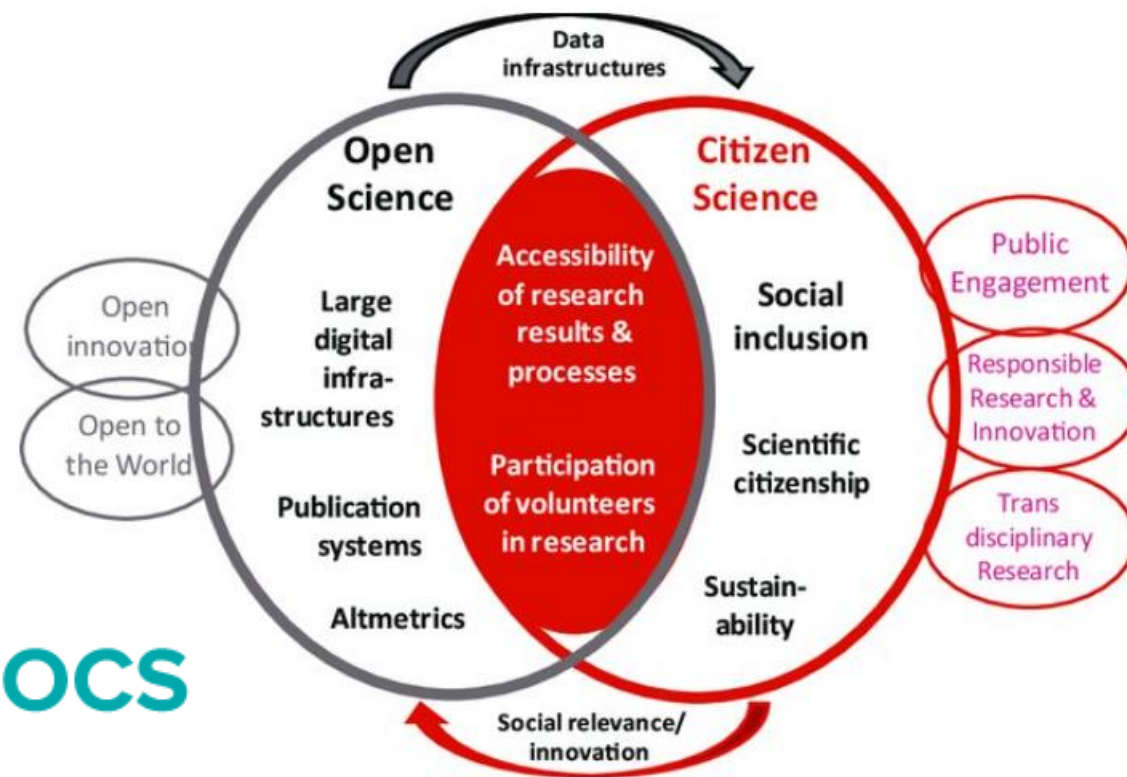
- ☐ know about global tendencies and seek to implement them on the national and institutional level (legal documents, infrastructure)
- ☐ seek support from stakeholders
- ☐ raise awareness
- ☐ develop the competence of researchers and administrative staff
- ☐ be proactive



Citizen Science projects at the KTU Library

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- 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)





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.

Lib OCS

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

Lib OCS



UNIVERSITY
OF LATVIA



kaunas
university of
technology



MCMXXII
VYTAUTAS MAGNUS
UNIVERSITY

TAL
TECH

Web2Learn
Open, social learning

IMMER
B E S S E R

Citizen Science for Librarians: Self Paced Learning Course

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Citizen Science for Librarians
Self Paced Learning Course

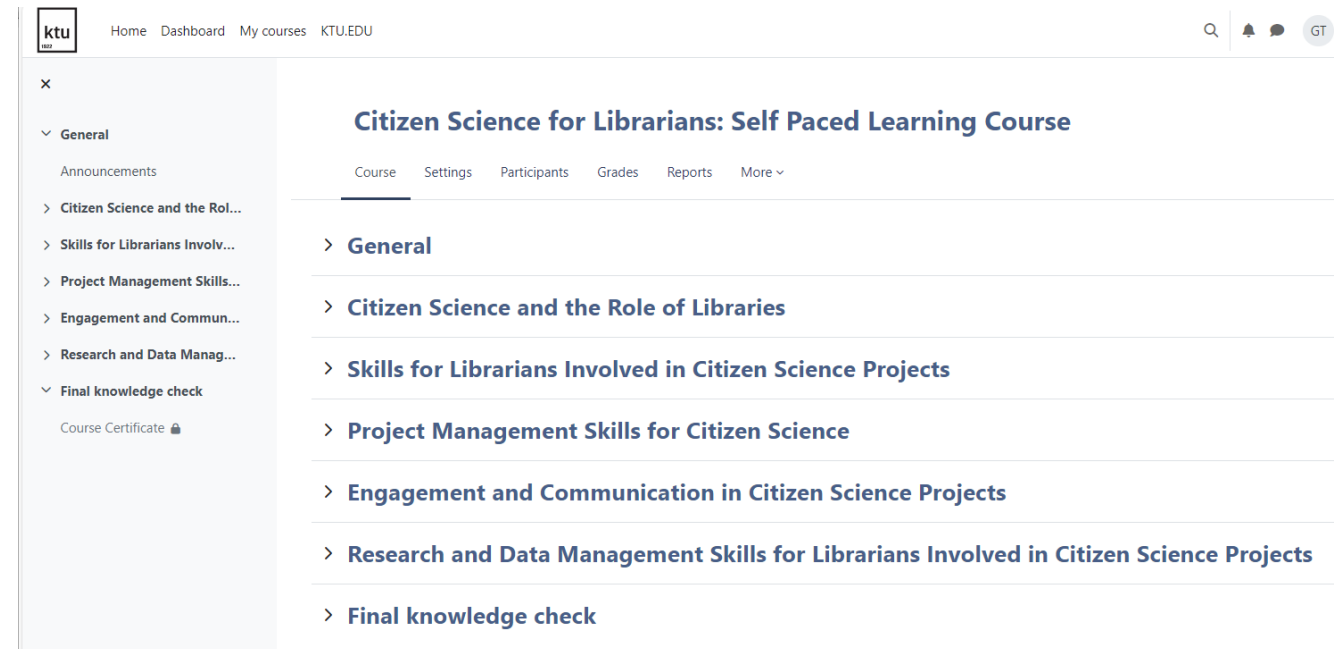
<https://www.libocs.ut.ee/>

<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.



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Citizen Science for Librarians: Self Paced Learning Course

Course Settings Participants Grades Reports More ▾

- General
 - Announcements
 - > 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
 - Course Certificate 🔒

<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





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



2023-2025

Supporting Ukraine through citizen engagement at Baltic Universities (Baltics4UA)

Objectives – 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>



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