

<https://todo-project.eu>



TODO – Twinning Open Data Operational



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857592-TODO

<https://todo-project.eu>

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ONLINE EVENT FOR TWINNING PROJECT COORDINATORS

March 24 and 25, 2021



Twinning projects: Experiences and obstacles

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Open data are data that can be used and reused without any (financial, legal, intellectual, and technical) barriers.

Open data can be framed as data that is **free of charge**, **licence free**, **machine readable** and provided in **open format**.

If open data, then....

„The best thing to do with your data will be thought of by someone else”

Rufus Pollock

Objectives of TODO



The main objective of the project is to strengthen the scientific excellence and innovation capacity of the UNIZG in the field of open data by cooperation with internationally-leading counterparts from the Netherlands (Delft University of Technology) and Greece (University of the Aegean).

To establish an **open data research environment** that will facilitate and stimulate interdisciplinary multi-domain open data research within and beyond UNIZG, TUDELFT and UAEGEAN.

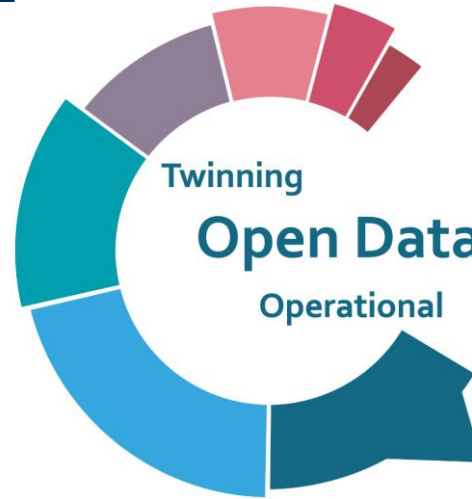
Faculty of Geodesy,
University of Zagreb



Faculty of Electrical
Eng. and Computing,
University of Zagreb



Faculty of Organization
and Informatics,
University of Zagreb



Faculty of Agriculture,
University of Zagreb

Faculty of Law,
University of Zagreb

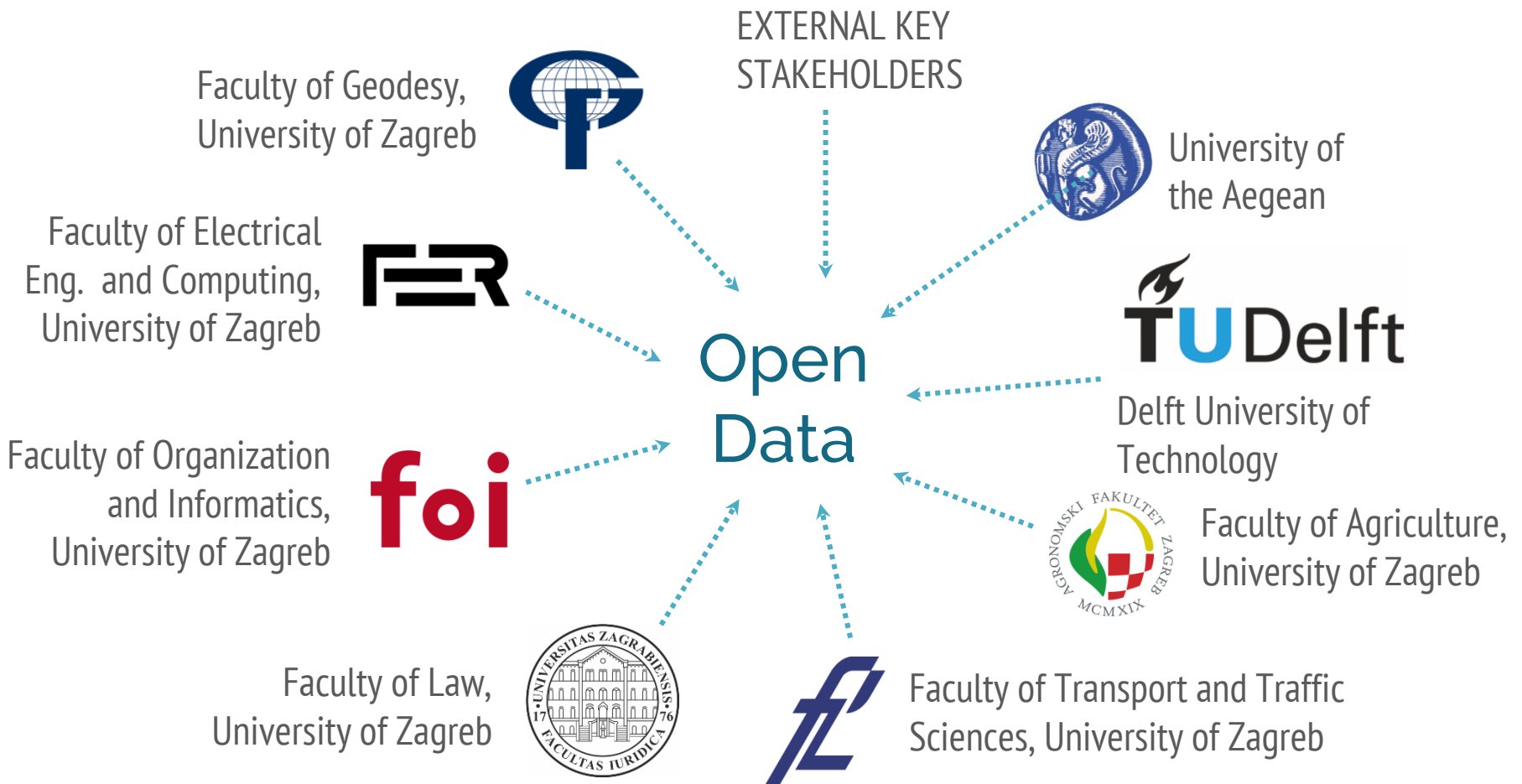


Faculty of Transport and Traffic
Sciences, University of Zagreb

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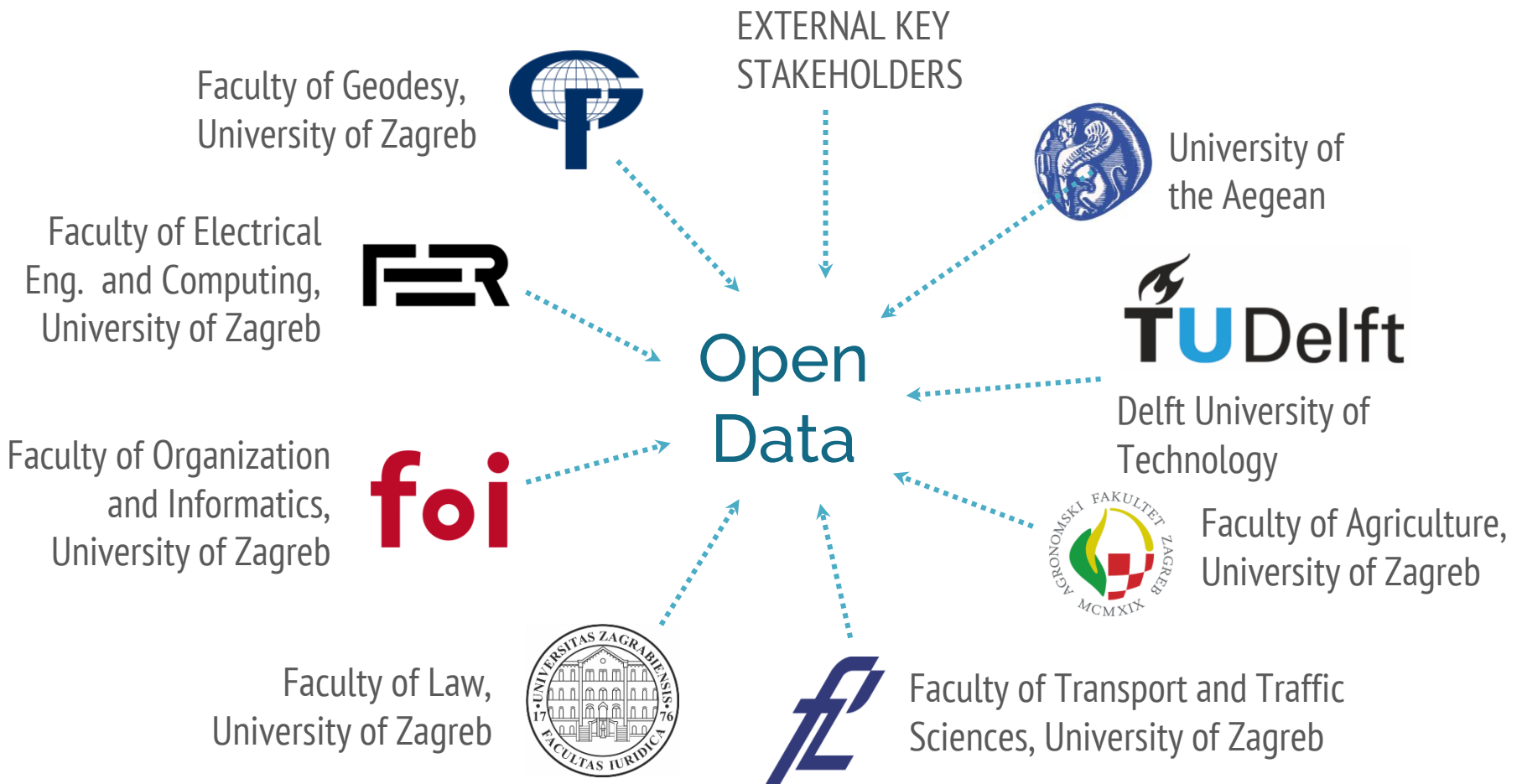
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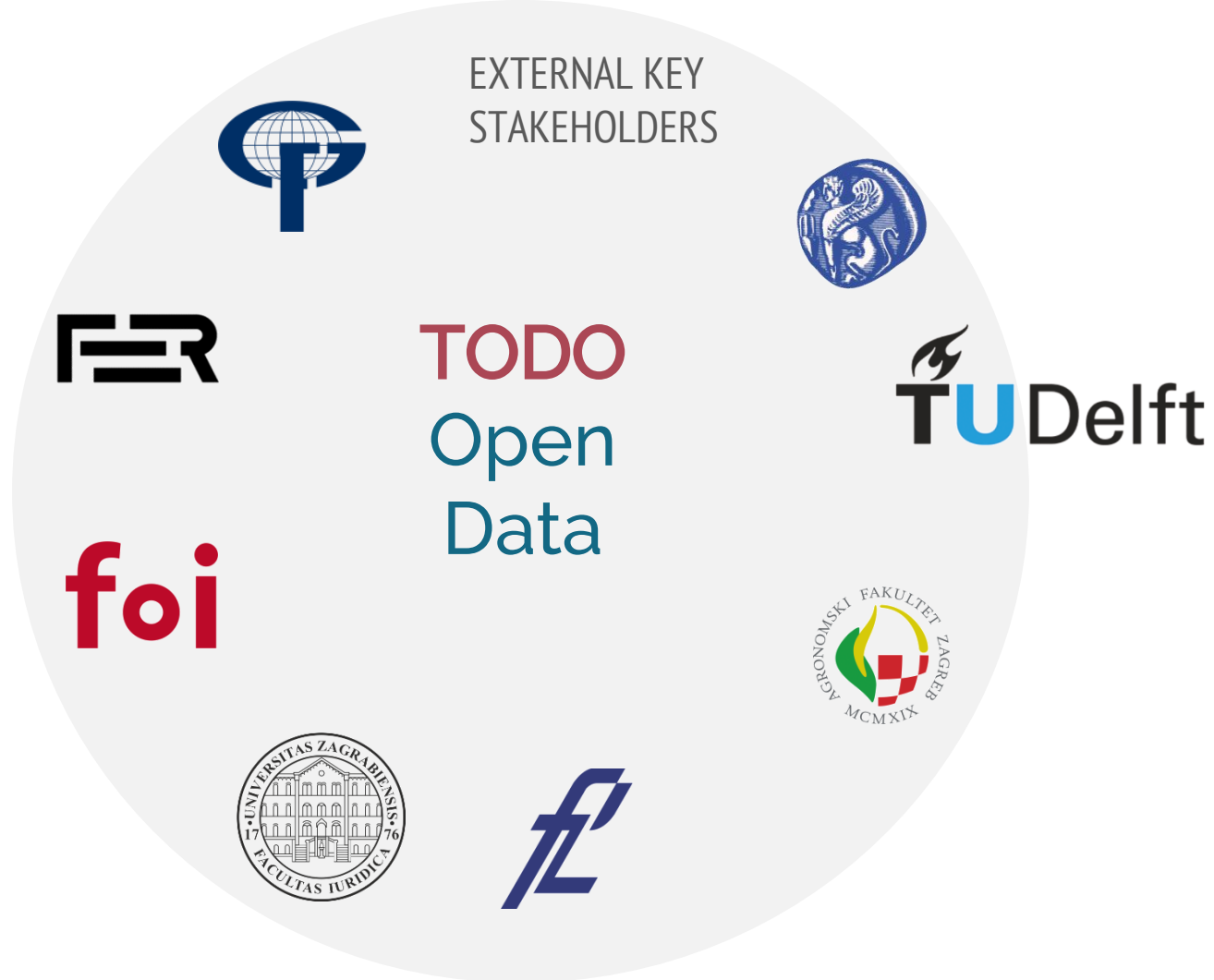
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TODO – Twinning Open Data Operational

October, 2019
Before TODO:

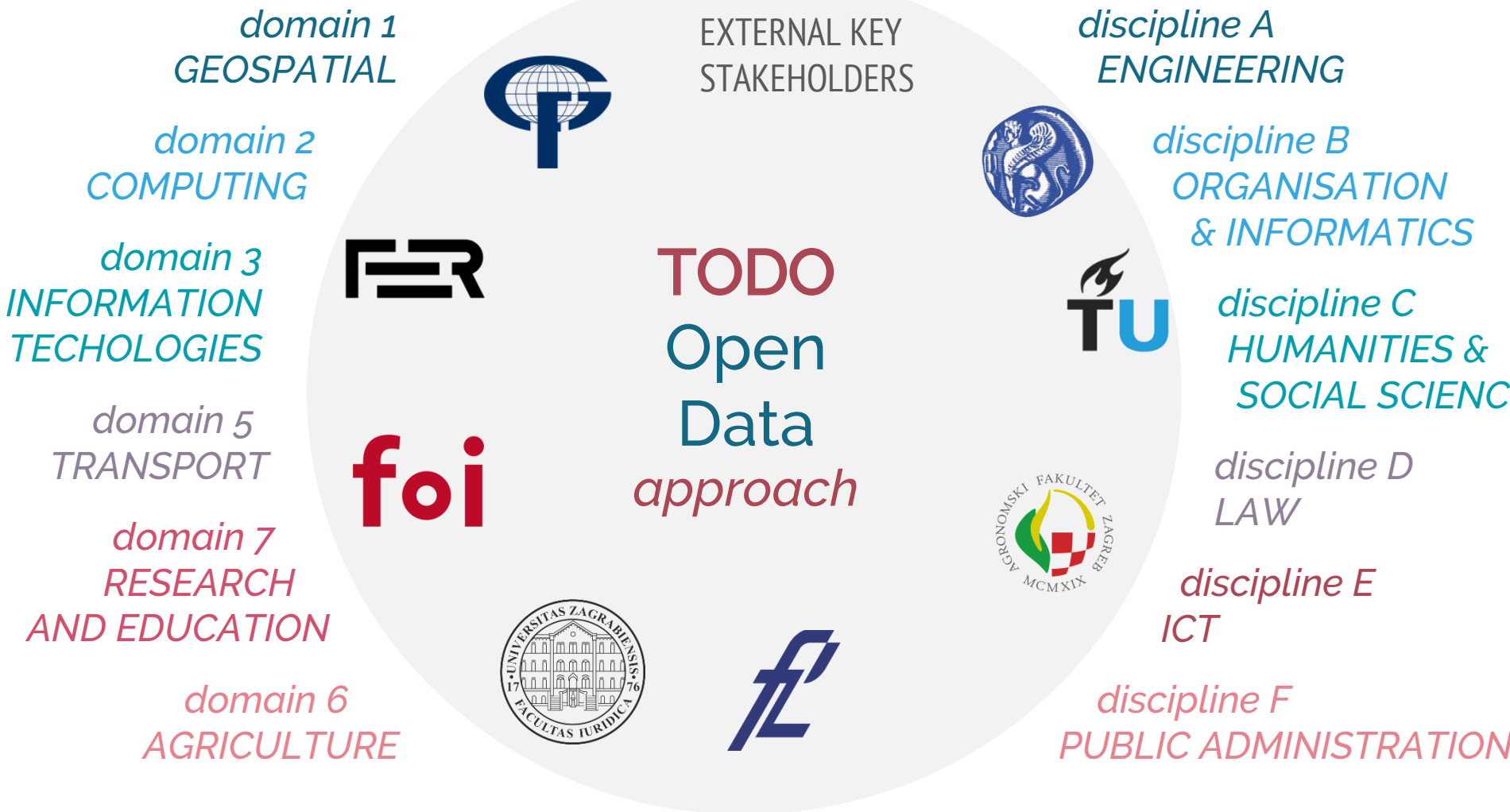
Fragmented research groups and researchers
across the different research areas and disciplines.



TODO – Twinning Open Data Operational

October, 2022
After TODO:

Coherent TODO open data research environment covering multiple disciplines and various domains.



TODO – Twinning Open Data Operational

October, 2022
After TODO:

Sustainable open data research environment covering **multiple disciplines** and **various domains**.

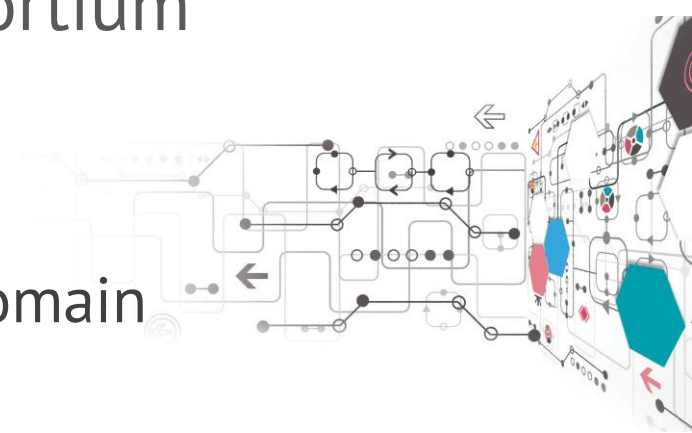


Scientific strategy phases

1. Establishing a **new research environment** supporting the TODO main objective
2. **Building open data capacity**
3. **Collaborating and knowledge sharing**: developing and applying an interdisciplinary multi-domain research approach for open data
4. Creating a **sustainable open data research environment** of the TODO consortium
5. **Outreach and dissemination**

Key Words:

Interdisciplinarity and Multidomain



TODO – How we do it... (... in covid-19 pandemic)



TODO – How we do it... (... in covid-19 pandemic)

OVERALL APPROACH AND METHODOLOGY



	Capacity Building	ESRs Training and Research	Collaboration and Knowledge Sharing	Dissemination and Outreach	Sustainability
Interdisciplinary open data research approach actions	Summer School Site visit I	Staff exchange I	Seminar I	Open Data Life Cycle Workshop	Joint interdisciplinary and multidoman reserach agenda
Multidomain open data research approach actions	Site visit II	Staff exchange II and III	Seminar II	National Open Data Conference	
Supportive and enabling actions	Online training programme	ESRs training Co-supervision	Open Data Labs and Consortium Open Science Collab. Platform Joint publications	International Open Data Conference MOOC on best practices	Consortium agreement Project proposal Open Data education

Phase 1 (Oct 2019 → Sep 2020)

Establishing a new research environment supporting the TODO main objective



	Capacity Building	ESRs Training and Research	Collaboration and Knowledge Sharing	Dissemination and Outreach	Sustainability
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Short name	Research group name	Est.	Formal body	Members Total	TODO Members	ESR	Non-TODO members
GEOD	Open Source Geospatial Lab	30.01.2014.	Faculty Council	18	3	PhD students	15
FER	Open Data Research Group	03.06.2020.	Dean	3	3	Yes	/
FOI	TODO Project Research Group	15.10.2019., 09.06.2020. rev.	Dean	6	6	Yes	/
LAW	TODO Project Research Group	01.06.2020.	Dean	5	5	Yes	open
TRANS	TODO Project Team (Transport and Logistic Data Science Lab)	29.06.2020.	Dean	6	5	Yes	1
AGRI	Interdisciplinary Research Group (IIE)	29.04.2020.	Dean	6	4	Yes	2
Total				44	26		18+

Research groups on open data established by TODO Project Partners

TODO - Online Collaboration Platform

Online Training Program



Teacher: [Charalampos Alexopoulos](#)
 Teacher: [Bastiaan van Loenen](#)
 Teacher: [Frederika Welle Donker](#)
 Teacher: [Anneke Zuiderwijk](#)

Online Training Program covering the fundamental and more advanced areas of open data research and practice.

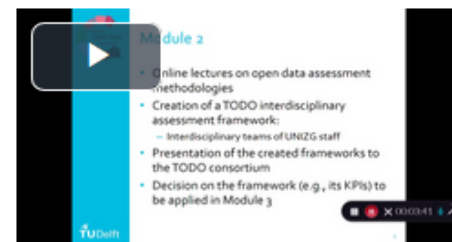


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Online

Welcome to **Twining Open Data Operational** Online Training Program platform!

Here is what we've prepared for you:



In order to access the learning program, please **sign up** and **enrol to the OTP course**.

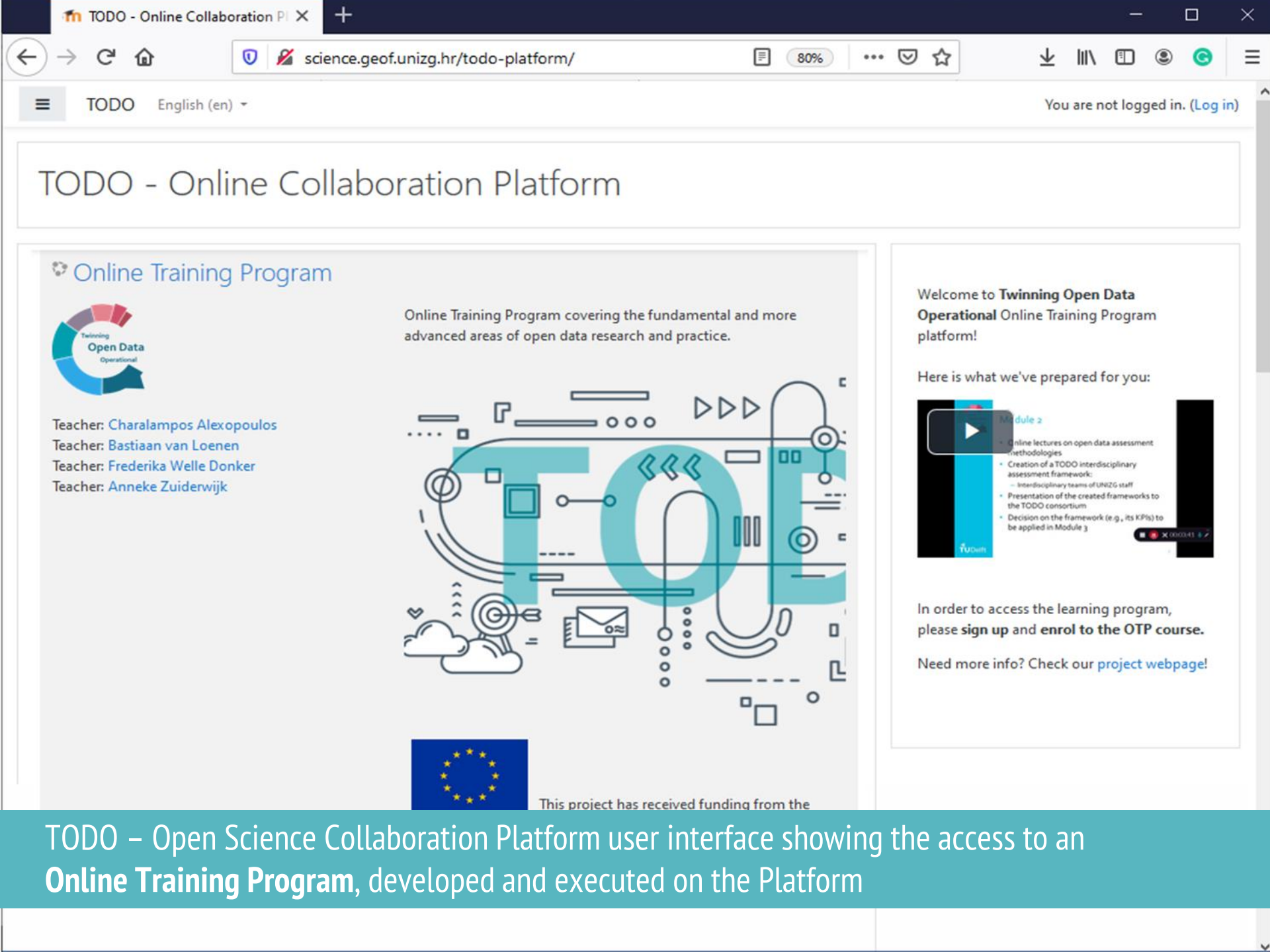
Need more info? Check our [project webpage!](#)

Phase 2 (Mar 2020 → Jun 2021)

Building open data capacity



	Capacity Building	ESRs Training and Research	Collaboration and Knowledge Sharing	Dissemination and Outreach	Sustainability
Interdisciplinary open data research approach actions	<p>Summer School</p> <p>Site visit I</p>	<p>Staff exchange I</p>	<p>Seminar I</p>	<p>Open Data Life Cycle Workshop</p>	<p>Joint interdisciplinary and multidoman reserach agenda</p>
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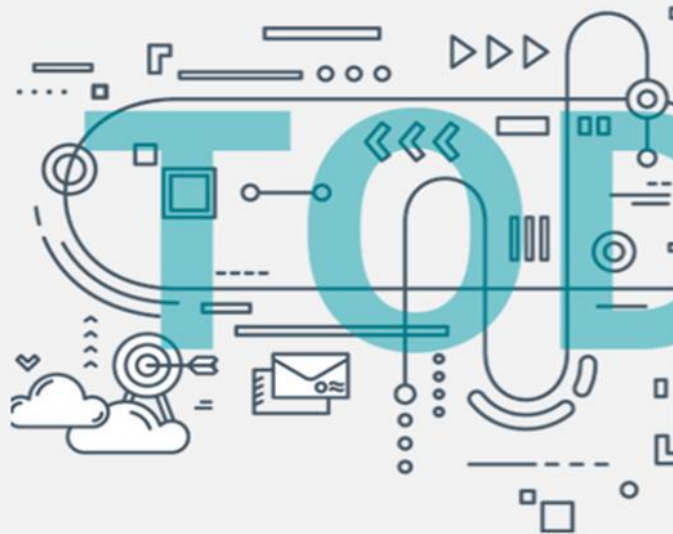
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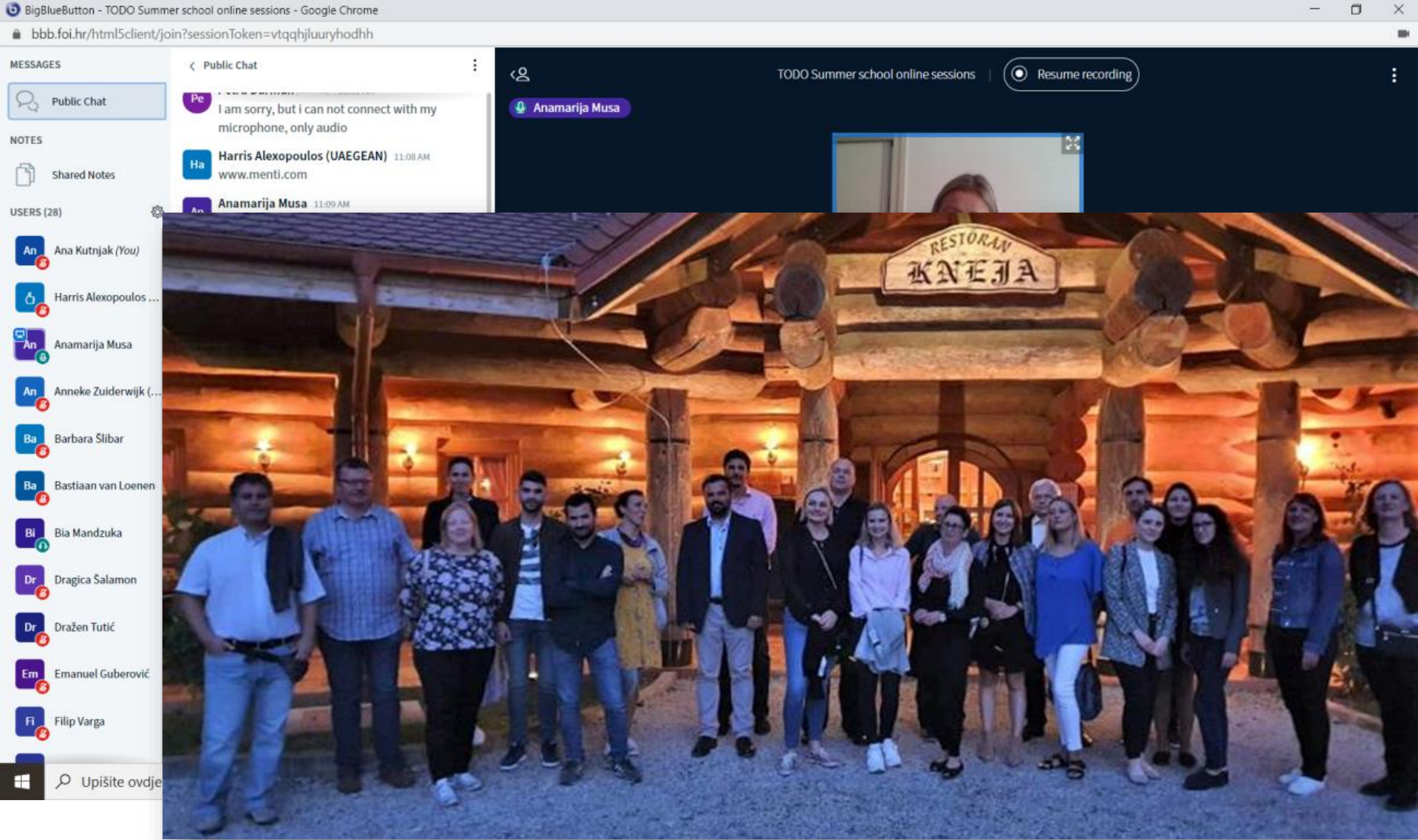
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TODO - Open Science Collaboration Platform user interface showing the access to an **Online Training Program**, developed and executed on the Platform



TODO – Open Science Collaboration Platform user interface demonstrating the communication and knowledge exchange during the five-day **Summer School**, executed with the help of Platform in a hybrid (**on-line and face-to-face**) mode.



Open Data Life Cycle Workshop was focusing on the open data life cycle – the process and practices around handling data, starting from its creation, through the provision of open data to its use by various parties.

Phase 2 (Mar 2020 → Jun 2021)

Building open data capacity



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Phase 3 (Sep 2020 → Sep 2022)

Collaborating and knowledge sharing: developing and applying an interdisciplinary multi-domain research approach for open data



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Phase 4 (Sep 2021 → Sep 2022)

Creating a sustainable open data research environment of the TODO consortium



	Capacity Building	ESRs Training and Research	Collaboration and Knowledge Sharing	Dissemination and Outreach	Sustainability
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Phase 5 (Oct 2019 → Sep 2022)

Dissemination and outreach



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TODO – How we do it... (... in covid-19 pandemic)

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After TODO...

OPEN DATA RESEARCH ENVIRONMENT



Institutional component

Open Data Labs at each faculty linked into University Center of Excellence

Established in 1st year along with building common OD language

Technological component

New open collaboration online platform for research and external collaboration

Established in 1st year supporting capacity building actions

Transfer of knowledge component

Engaging interdisciplinary and multidomain research in collaboration with key open data stakeholders

Established in 2nd year during joint research on specific use cases

TODO – How we do it... (... in covid-19 pandemic)

INTERDISCIPLINARITY AND MULTIDOMAIN

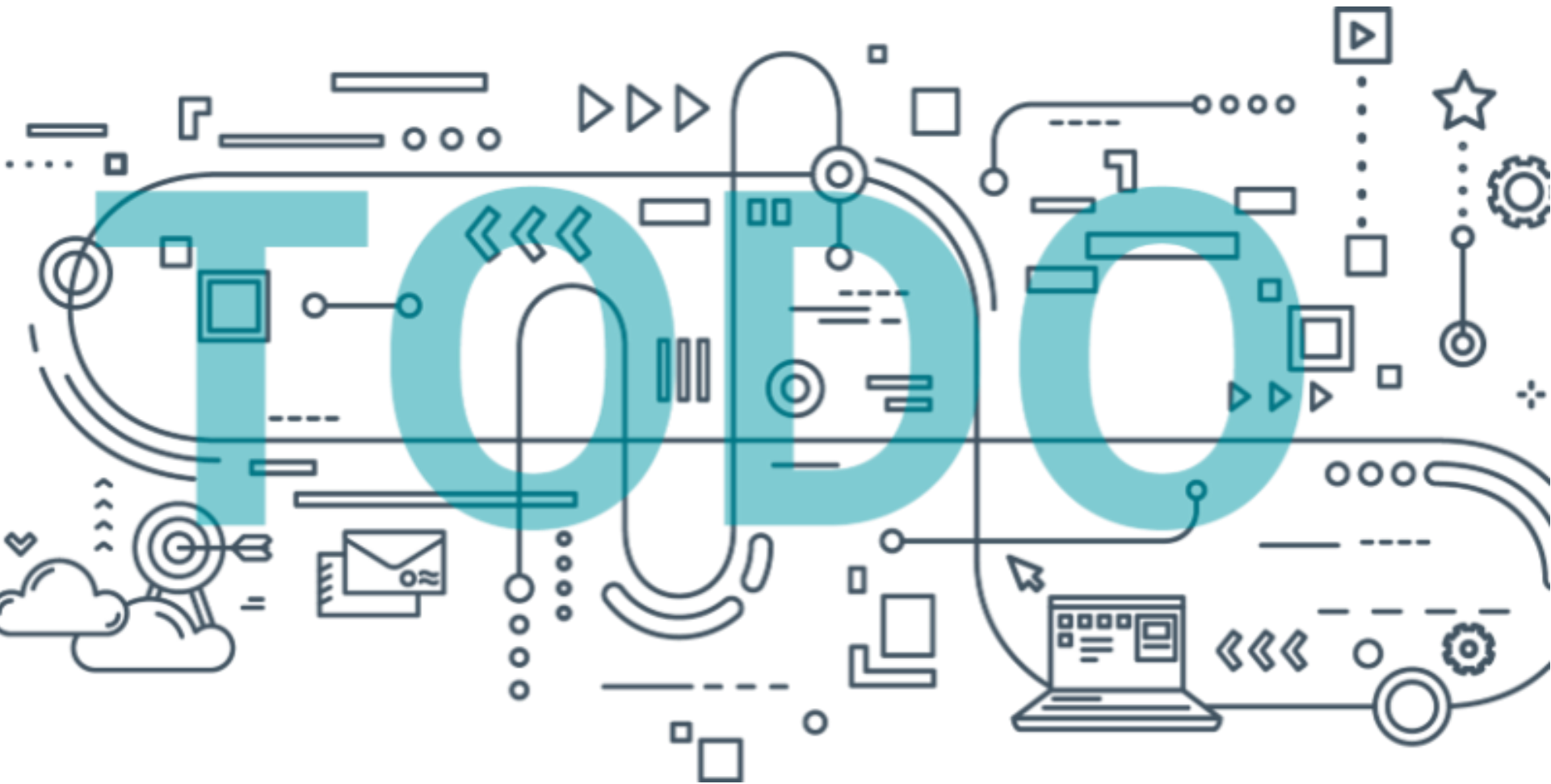


- a lot of things have changed in the last year
- main challenges faced by the project – organising and preparing in this so-called „new norm”
- amendment for project extension?
- pros and cons of shifting to online events
- TODO is **complex** twinning project
- specific challenges but also opportunities – **interdisciplinarity and multidomain**

Thank you for attention!



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