



## ABSTRACT

This document include all the video presentations and designed exercises that will support the capacity building of UNIZG in domain of open data.

## Authors

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# TUDO ONLINE TRAINING PROGRAM



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<b>Delivery Title</b>	Online Training Material
<b>Delivery Number:</b>	D2.2
<b>Lead beneficiary:</b>	7-TUDELFT
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<b>Work package Number:</b>	2
<b>Dissemination level:</b>	Public
<b>Due Date:</b>	1 April 2020

**Approved by:** Bastiaan van Loenen

**Date of approval:** April 1, 2020



## INTRODUCTION:

This deliverable includes the videos, presentations and designed exercises that will support the capacity building of UNIZG in the domain of open data. The materials are derived from D2.1 and implemented on the TODO Online Collaboration Platform.

The online training program covers the fundamental and more advanced areas of open data research and practice. The training program itself consists of three modules, each covering one month: (1) an introductory module in which research staff and ESRs will be introduced into the basics of open data and the (components of the) open data ecosystem, combined with small exercises to assess the understanding of the material taught, (2) an advanced module of online lectures on covering in-depth the assessment of open data ecosystems, and the development of an open data ecosystem assessment framework, and (3) a module in which the developed assessment framework will be applied to the open data ecosystem in Croatia.

For an impression of the Online Training Program (OTP) we refer to the TODO Online Collaboration Platform (see <http://science.geof.unizg.hr/todo-platform/course/view.php?id=2>). The Platform can be accessed through the following credentials:

Login: **todo\_h2020**

Password: **todo\_H2020**

Below we provide screen shots of the OTP modules to give an indication of what the OTP consists of.



# Online Training Program Homepage

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## Online Training Program

[Dashboard](#) / [My courses](#) / [OTP](#) / [MODULE 1 Introduction into open data \(ecosystems\)](#)

### General

Welcome to **Twinning Open Data Operational** Online Training Program!

The TODO OTP program consists of three modules:

- 1) Introduction into open data
- 2) Assessing Open Data
- 3) Open Data in Croatia

Please, take some time to introduce yourselves with the module organization introductions, found at the beginning of each module section.  
Enjoy learning about open data!



[MODULE 2 Assessing Open Data](#) ▶

### MODULE 1 Introduction into open data (ecosystems)

**MODULE 1** is an introductory module in which research staff and ESRs will be introduced into the **basics of open data** and the (components of the) **open data ecosystem** (open data types, stakeholders, governance and legal aspects, technical aspects, financial challenges, access mechanisms, standards and best practices).

**Learning objectives:**

# Module 1

## Startpage of Module 1

[MODULE 2 Assessing Open Data ▶](#)

### MODULE 1 Introduction into open data (ecosystems)

**MODULE 1** is an introductory module in which research staff and ESRs will be introduced into the **basics of open data** and the (components of the) **open data ecosystem** (open data types, stakeholders, governance and legal aspects, technical aspects, financial challenges, access mechanisms, standards and best practices).

**Learning objectives:**

1. To remember, understand and apply the key components and their relations of the open data ecosystem
2. To create a common open data vocabulary within the TODO consortium

Module 1 - Organization

Lecture series 1 - **Open data ecosystems**

- Video lectures
- Literature
- Quiz (lectures 1-4)
- Quiz (lectures 5-8)

Lecture series 2 - **Open data governance**

- Open data governance models - Video lectures
- Open data governance models - Literature
- Quiz
- Legal aspects of open data - Video lectures

Your progress

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## Video lectures

### Video lectures

**Lecture series 1** presents the open data ecosystem as a whole and its individual components (what is it, impact, stakeholders, portals, users, providers, and policies).

1. Open data: definition, history, and impact

In this video, Bastiaan van Loenen addresses the concept of open data, a brief insight in the history of open data and highlights the main driving forces of open data.

Table of contents

1. Open data: definition, history, and impact
2. What is Open government data
3. Open data infrastructure
4. Open data Life cycle
5. Quiz-time
6. Stakeholders
7. Open data portals
8. Open data policies
9. Policy making and open government

1

## Quizzes

### Online Training Program

Dashboard / My courses / OTP / MODULE 1 Introduction into open data (ecosystems) / Quiz (lectures 1-4)

#### Question 1

Not yet answered

Marked out of 1.00

Flag question

In video 1.1: Open data: definition, history and impact, several arguments are mentioned for implementing open data. Which are they? Click all that apply.

Select one or more:

- Increased transparency democratic process and accountability of government
- Participatory governance
- Prevention of misuse and misrepresentation of data
- Data quality
- Efficiency of operations
- Sustainability of government
- Economic and social value creation

#### Question 2

Not yet answered

Marked out of 1.00

Flag question

In video 1.2 the 5 star model of Tim Berners Lee is introduced. What is the difference between a dataset with 1 star and a dataset with 3 stars?

Select one or more:

- 3 star datasets are datasets with a URI
- 3 star datasets are structured data and published in open format

Quiz navigation



Finish attempt ...



Feedback on the Quiz: explanation why the answer was wrong and number of questions that were answered correctly (at the right)

<b>Started on</b>	Wednesday, 1 April 2020, 2:12 PM
<b>State</b>	Finished
<b>Completed on</b>	Wednesday, 1 April 2020, 2:13 PM
<b>Time taken</b>	1 min 4 secs
<b>Grade</b>	Not yet graded

Quiz navigation

1	2	3	4	5
●	●	✓	●	●

[Finish review](#)

**Question 1**  
Partially correct  
Mark 0.20 out of 1.00  
[Flag question](#)

In video 1.1: Open data: definition, history and impact, several arguments are mentioned for implementing open data. Which are they? Click all that apply.

Select one or more:

- Increased transparency democratic process and accountability of government
- Participatory governance
- Prevention of misuse and misrepresentation of data
- Data quality ✓
- Efficiency of operations
- Sustainability of government
- Economic and social value creation

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: Efficiency of operations, Data quality, Economic and social value creation, Increased transparency democratic process and accountability of government, Participatory governance

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: Efficiency of operations, Data quality, Economic and social value creation, Increased transparency democratic process and accountability of government, Participatory governance

## Open questions

Dashboard / My courses / OTP / MODULE 1 Introduction into open data (ecosystems) / Quiz (lectures 5-8) / Preview

Question 3  
Not yet answered  
Marked out of 1.00  
Flag question  
Edit question

Video 1.5 discusses stakeholders in open government processes. It distinguishes between stakeholder groups, but also highlights the importance of key persons within these groups.

Please provide the stakeholder groups and key persons in these groups in open data in Croatia. *[open format]*

Answer will be discussed in activity 1.5.

Rich text editor toolbar: Bold, Italic, Underline, Bulleted list, Numbered list, Link, Unlink, Image, Help

Quiz navigation

1 2 3 4 5 6

Finish attempt ...

Start a new preview

## Literature related to the videos

### Online Training Program

Dashboard / My courses / OTP / MODULE 1 Introduction into open data (ecosystems) / Legal aspects of open data - Literature

#### Legal aspects of open data - Literature

1. This chapter provides an overview of the development of open data as a concept and its implementation in policy and the law in the US and the EU: Dalla Corte, L. (2018). Towards Open Data Across the Pond. Chapter 7 in: van Loenen, B. (ed.), Vancauwenberghe, G. (ed.) & Crompvoets, J. (ed.), 2018, *Open Data Exposed*. The Hague: TMC Asser Press. 290 p. (Information Technology and Laws Series; vol. 30).
2. This chapter discusses data ownership and licences in the context of open data: Giannopoulou, A. (2018). Understanding open data regulation: an analysis of the licensing landscape. Chapter 6 in: van Loenen, B. (ed.), Vancauwenberghe, G. (ed.) & Crompvoets, J. (ed.), 2018, *Open Data Exposed*. The Hague: TMC Asser Press. 290 p. (Information Technology and Laws Series; vol. 30).
3. In these chapters the concept of personal data in the EU is discussed: when does the GDPR (in the chapter its predecessor the Data Protection Directive) apply to which data): Psychogyio, A. (2017). Chapter 3 and 4 of *To what extent could open geographic data be considered personal data under EU Data Protection Law?* MSc thesis Tilburg University.
4. These authors address the legal landscape from a user perspective: to what extent do the INSPIRE Directive and the PSI Directive satisfy user needs? van Loenen, B., & Grothe, M. (2014). *INSPIRE Empowers Re-Use of Public Sector Information*. International Journal of Spatial Data Infrastructures Research, 9, pp. 86-106.

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