



## Open Data Governance: from Policy to Use

### Course syllabus

#### Week 1:

#### Free week (October 31-November 6, 2017)

##### - Introduction

During this week you will be introduced to the field of open data. You will define your own main open data challenge - which you will use to work on during the course - for example, as a policy maker you may want to develop aspects of an open data policy for your organization or as a developer you may want to experiment with various open data tools. You will meet and connect with other like-minded professionals who are keen to discover the power of open data.

##### - Open data: concepts and theory

We will introduce the concepts of open data governance and open data use, and discuss what it is and define its key characteristics. Moreover, we discuss challenges for open data publication and use, and thereafter we analyze the theoretical foundations in this field. Moreover, an introduction to open data policy in Europe and to data tools and functionalities of the European Data Portal will be provided.

#### Week 2:

#### Open data governance, policies and use – Part 1 (November 7-13 , 2017)

In this week, we examine open data governance, policies and use by looking at open data infrastructures, open statistical data, open data infrastructure functionalities and tools and metadata. Additionally, the policy track contains videos concerning open data for public policy making, creating a pipeline for publishing open data and licenses for the use of open government data. Moreover, the development track contains videos concerning data visualization and analysis tools, open statistical data and the data cube model, linked open data technologies, standards for spatial data on the web and Business Process Model and Notation (BPMN). You will also start working on assignment 2, in which you will develop elements of an open data policy or use and apply open data tools and functionalities.

**Week 3:****Open data governance, policies and use – Part 2 (November 14-20, 2017)**

In this week, we further examine open data governance, policies and use by looking at reliable information for open data use, semantic interoperability and ontologies, privacy aspects of data sharing and trust aspects of data sharing. Additionally, the policy track contains videos concerning open data policies, sustainability of data use and the evaluation of open data initiatives. The development track contains videos concerning Linked Open Statistical Data, using data visualization and analysis tools, technologies for improving data quality and metadata technologies.

**Week 4:****Open data cases (November 21-27, 2017)**

Open data cases are central to the fourth week of the course. This week focuses specifically on cases concerning different types of data (e.g. public spending and mobility) and from different places (e.g. New York, Switzerland, Rio de Janeiro and Vienna). Moreover, you will start working on the final assignment 3 in which you will develop a scenario for an open data case.

**Week 5:****Conclusions (November 28-December 4, 2017)**

This fifth week concludes the course. We reflect on all learning objectives and look ahead to the exam that needs to be completed by December 12.

**Week 6:****Final week (December 4-12, 2017)**

In this week, there will be no new course materials, but this week will provide you with additional time to finalize course quizzes, assignments and the final exam.