

# GATHER DATA AND INFORMATION



Module II



Course

Infographic



Topic

Realization of  
an infographic



Lesson 1

## Activity

- **Short Description:** Collection of different types of materials about a natural or cultural heritage that can be used for creating an infographic for the O-City World platform.
- **Methodology:** The methodology of this activity is based on learning by experience and inquiry-based learning, since in researching and collecting information and data, the learners are required to apply some basic information retrieval and research techniques and can develop a critical thinking about what kind of material they need for creating an infographic. Moreover, they reinforce their knowledge on the learning topic.
- **Duration:** 3 hours
- **Difficulty (high - medium - low):** Medium
- **Individual / Team:** Individual
- **Classroom / House:** House
- **What do we need to do this activity?**
  - **Hardware** Smartphone or Personal Computer and scanner, digital camera or any other digital device for acquiring data and information (text, photos, etc.).
  - **Software** Web browser and spreadsheet, word processor, or any other software for collecting information and data.
  - **Other resources** None.



## Description

- **Text description:** Pick a natural or cultural heritage and collect different types of related materials useful in creating an infographic promoting that heritage that can be uploaded on the O-City World platform. Include information about possible users, context, and goals of the final infographic to produce, even if you will specifically define them later in other activities. Consider that, at this stage, you are required to collect as much information as possible, so that, in a second moment, you can select what best fits your project.
- **Illustration:** None

## Instructions

1. Pick a natural or cultural heritage mapped by the O-City World platform. Remember that you can add new heritages on the O-City platform (consider the classification of natural and cultural heritage made by the O-City project). So you can choose what you prefer!  
What is the natural or cultural heritage you are going to represent in the infographic to be uploaded on the O-City World platform?  
Briefly describe what kind of heritage it is and its main characteristics (e.g., location, elements of interest, etc.).
2. Roughly define what are the possible users, context, and goals of the final infographic to produce. You do not need to be exhaustive now, just having clear goals will help you in gathering useful and meaningful data. Who can be interested in your infographic? Why does he/she need that infographic? What effect the infographic will have on the heritage (e.g., attract new tourists, better inform visitors, entertain, etc.)?
3. Collect as much information and data as you can about the chosen heritage. Consider any types of related materials: Text (i.e., contents and information about its history, fame, characteristics, possible topics of interest, etc.), photos and images (i.e., official, historical, made by you, crowdsourced, etc.), data and numbers (i.e., most important dates, statistics, etc.), artifacts (that you can photograph or analyze to produce data), etc.  
Also gather information allowing you to better understand possible users, context, and goals of the final infographic to produce (see Lesson 1 of Topic 1, including the activities).  
Note that you can collect information that has already been gathered, organized and published by others (e.g., reports, websites, statistics, open repositories, dissemination materials, etc.) and/or use the social research methods to create new datasets (e.g., interview, questionnaires, focus groups, ethnography, etc.).
4. Keep track of references and sources during your search, including their URLs, if it is the case.  
Where does the information come from? How old is it and how trustworthy is its source? Are the contents or data freely available to use and re-publish? Is the privacy of the people to whom the data refers being respected?

## Expected outcomes

- Learn to collect useful and reliable data and information for creating an information visualization.
- Learn to adequately search and organize data and information sources when creating an information visualization.
- Understand how to effectively use different information retrieval and research techniques.



- Understand the User-Centered design way of thinking about a product, system or information visualization.

This activity can be used in other (module, course, topic, lesson):

- None

**DIGICOMP (Competences developed):**

1. **INFORMATION AND DATA LITERACY**
3. **DIGITAL CONTENT CREATION**
- 3.3 *Copyright and licences*
4. **SAFETY**
- 4.2 *Protecting personal data and privacy*
5. **PROBLEM SOLVING**
- 5.2 *Identifying needs and technological responses*

**ENTRECOMP (Competences developed):**

1. **IDEAS AND OPPORTUNITIES**
3. **INTO ACTION**
- 3.5. *Learning through experience*

Example (when necessary): None

