ORGANIZE GATHERED DATA

Module II | **Course** Infographic | **Topic** Realization of an infographic | **Lesson 2**

Activity

- **Short Description**: Sorting and categorization of the gathered information and data, in order to define the topic and the purpose of the infographic. This activity is the continuation of the previous one about the collection of useful data and information to create the infographic (T2.L1.2).

- **Methodology**: The methodology of this activity is based on learning by experience, since by sorting, categorizing, and analyzing the gathered information and data, the learners are required to apply some basic techniques and to follow some typical steps of the User-Centered Design process needed for creating an infographic. Moreover, they reinforce their knowledge on the learning topics.

- **Duration:** 4 hours

- **Difficulty (high - medium - low)**: Medium

- **Individual / Team**: Individual

- **Classroom / House**: House

- **What do we need to do this activity?**
    - **Hardware** Personal Computer in the case of digitally arranging the gathered materials.
    - **Software** Virtual board, or, as an alternative, spreadsheet, word processor, or any other software for sorting information and data, in the case of digitally arranging the gathered materials.

- **Other resources** Board/Wall, pen, papers, post-it, in the case of physically arranging the gathered materials.

Description

- **Text description**: Sort the information and data gathered in Activity T2.L1.2. Then, crate categories based on correlations, in order to define what you want to represent (i.e., the topic of your infographic) and to imagine the type of infographic you want to create (i.e., its purpose with reference to the possible users and contexts of the infographic). Note that, in this activity, you are required to work with raw data and information. You do not need to already produce the precise contents of the infographic.

- **Illustration**: None

Instructions

1. Form a list of all the gathered materials from Activity T2.L1.2.
   You can visually arrange them on a physical or virtual wall, using sticky notes (post-it) to synthesize information, data, and insights produced in the previous step (e.g., "information about the history of the museum building", "map of the museum", "statistics about visitors", "biography of the founder of the museum", "catalogue of the collection", "visitors of the museum (users)", "foreign students (users)", "museum website (context)", "O-City World platform (context), etc.). Take also note of the type of raw data, i.e. textual (e.g. documents), numerical (e.g. statistics), visual (e.g. photos and illustrations), physical (e.g. maps and other artifacts), etc.
   It is preferable to use a physical or a virtual board for arranging all the gathered material, in order to have an easy overview of it.

2. Sort all the materials into categories based on correlations and identify relevant themes.
   You can create categories concerning topics or other types of clusters, but remember to also group information and data about possible users, context, and goals of the final infographic to produce.

3. Observe, analyze, and prioritize categories and themes getting key insights on the type of infographic you are going to realize (topic and purpose).
   Use brainstorming, i.e. suggest as many spontaneous new ideas as possible, and write down more than one proposal for the infographic, then choose one.
   Define the topic and the purpose of the infographic, with reference to the possible users and contexts.
   Choose a topic that is as much as possible relevant, impactful to the heritage, of interest to the user, and based on reliable and sufficient data and information.
   If necessary, collect more information and data about the specific topic you chose for your infographic.

4. Select the information, data, and other raw contents to include or use in the infographic.
   Consider that, for completing this course, you are required to create a static infographic of a natural and cultural heritage from the O-City World that can be uploaded on the O-City World platform.

5. Produce a final report about this activity with all the important information useful for the design of the infographic.

Expected outcomes

- Learn to organize data and information for deriving useful insights to create an information visualization.

- Learn to apply some basic techniques and to follow some typical steps of the User-Centered Design process needed for creating an infographic.

- 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*
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