

EXERCISE 1

In the last segment, you were given some examples of how to make the invisible information visible, in the city scale. As it was mentioned, this procedure can make us understand better our cities, their functions, their dynamics, their citizens, their lifestyle and the interactions between people and built environment.

Making the invisible - visible

In this exercise we would like you to:

1. Upload a photo from your area, or the closest urban area, (the photo must be taken by you) and comment all the information that is visible in this photo.
2. Identify and present two "invisible information" that can be extracted out of the visible information of this photo.
3. Select one of your choices from the previous question and describe how this invisible information can become knowledge and contribute to the planning of a more livable urban space.

TASK 1

After having viewed the video over the topic of Building Construction (4.2 Global Construction Approaches), where the basic concepts have been introduced, we would like to invite you to take part in a new discussion and share your ideas:

"Construction used to be a localised activity, but with the advancement of construction processes and construction materials almost every building contains components of a globalized economy."

We encourage you to upload a photograph that shows the involvement of globalized economy in building construction. Photographs should be taken by you and should depict the answer to the question. The post should also contain a short explanation showing the connection between the image and the country of origin of the particular material.

EXERCISE 2

In the previous videos, the concept of "stocks and flows" was introduced and many examples were presented, in order for you to better understand it. Now, we would like to make you implement this knowledge, based on your personal experience and judgment. This exercise consists of three parts:

1. First, identify the most important stocks and flows (at least three) entering, staying in and eventually leaving your area (or city).
2. Describe your findings based on the concept of stocks and flows by presenting the necessary information or examples.
3. Imagine and shortly describe how these stocks and flows could change in the future for the benefit of your area.

Even though it is not obligatory, we encourage you to upload images that support your statements.

TASK 2

After having talked about the role and the high dependency of our society on infrastructure, emphasizing on electricity, we would like to invite you to take part in a new discussion and share your ideas:

"The impact of infrastructures such as transportation, water, health, and energy on urban form and architecture is a fact. With the beginning of the 21st century, buildings and cities are becoming physical and software systems in addition to collections of material and shapes. Water, energy, transportation and health infrastructure are thus crucial dimensions for the design of the future sustainable urban systems and the human habitat."

We encourage you to upload a photograph of the area you live or of an area you have visited, where the impact or the level of our dependency on infrastructure (electricity or any other type of infrastructure) is visible, either in urban or in territorial scale. The photo should be taken by you and the post should also contain a short explanation showing the connection between the image and the statement above.

EXERCISE 3

The liveability of a city describes one of its most crucial qualities. Factors at the building scale and the urban design scale and to some degree at the territorial scale determine the liveability of a city. International organisations have established criteria that measure and compare cities and their liveability. Explore the individual surveys following the links below:

[EIU Global Liveability Report](#)

[MERCER Quality of Living Survey](#)

[MONOCLE Most Liveable Cities Index](#)

[Ranking the Liveability of the world's major cities](#)

and compare their results on the Interactive Map of "Existing and Potential Future Liveable Cities" we have created for this exercise:

[Map of "Existing and Potential Future Liveable Cities"](#)

In order to understand what livability means in practice, you will identify your personal preferences. You will develop this exercise in three steps:

- Step 1: List the five most liveable cities that you know, based on your own experience and judgment, placing the most liveable city at the top of the list.
- Step 2: Describe in your own words five characteristics that according to your opinion make a city liveable. Order them placing the most important at the top of the list. *
- Step 3: Describe the status of your own city in terms of the five characteristics that you listed above. Propose how your city should/could be transformed in relation to these characteristics in order to be more sustainable.

