

LTT IN MANRESA

The mobility in Manresa was initially scheduled in April 2020 and had to be canceled due to the pandemic lockdown and it was rescheduled for September 2020. Unfortunately, the COVID restrictions still didn't allow us to host our partners and we decided to change it into a Virtual Mobility. Thus, the activities planned had to be reformulated but we still managed to cover all the relevant topics and learnings described in the project.

BEFORE THE MOBILITY

Although we had all had some experience in online teaching during the previous months, we decided we should start our mobility by setting some common working rules. Therefore, we prepared a [Google Classroom site](#) with all the necessary links and materials to be used during the virtual mobility and we shared it with all the participant schools so they could get acquainted with everything. Besides, we explained to the Catalan students what we expected them to do during the week so they could be in charge of leading their international working groups through the week. They also recorded some personal video introductions for the rest of participants. Finally, we also prepared a short video with recommendations on how to hold an online meeting effectively.

MONDAY 27TH

After the official welcome of our school Principal, the mobility set off with the presentation of the agenda and the display of the video on how to conduct an online meeting effectively.

[How to attend a virtual meeting](#)

Then we divided the meeting in mixed breakout rooms and the students introduced themselves to the rest of the members and did some ice breaking activities to get started.

[Students' personal video introductions](#)

TUESDAY 28TH

In order to introduce the topic of Major Environmental Threats, we prepared a gamification with Genially, it was a kind of room scape but adapted online. We thought that this IT tool would make the concept acquisition more fun and interactive and it would enhance the students' learning.

In the gamification, the participants were welcomed to 1st Erasmus+ Environmental Congress organized by Europe Takes a Breath. They were invited to become top environmental researchers, working in cooperative international teams, in order to figure out how to save the planet and be the last chance for humanity. Then, they were asked to pass some tests to make sure they were qualified to become a member of the research teams.

The students had to work together, sharing their knowledge and empowering peer-to-peer learning, to solve a test about the culture and traditions of the participant countries. When they had accomplished the first test, they had to solve a second test about their knowledge of key vocabulary and concepts.

Once they had succeeded in both tests, they were qualified as top environmental researchers and they could start their mission: to discover the 4 major Environmental Threats from the clues they had to find in different world maps.

When they had finally learnt about the environmental problems around the world and discovered what Major Environmental Threats they were describing, they could finally access the Environmental Labs where they had to perform their research. In the lab, they found the protocols and video instructions to carry out experiments on:

- The effect of acid rain on the ecosystem
- The effect of acid rain on marine ecosystems
- The effects of acid rain on buildings and monuments
- Thermal Inversion
- and Sea level rise.

Unfortunately, the virtual setting wouldn't allow us to do the experiments together so we asked our partners to conduct them in their school labs. Students also had to record a video of each experiment and edit it. This gave them a chance to practice their digital skills with the help of the tools we provided in the introductory meeting.

WEDNESDAY 29TH

On Wednesday, the students worked again with the gamification in international teams. After completing all the experiments, they were invited to the **1st Europe Takes a Breath International Congress** to present their research. With the information they had gathered the previous days, they had to create a scientific digital poster of the causes and effects of the four major environmental threats and ways to counteract them. They were explained what a scientific poster should look like and given a choice of IT tools to create it.

THURSDAY 30TH

After some group work to give the finishing touches to their scientific posters, the students attended an online workshop to learn what the Digital Footprint is. The Ecological Footprint measures the amount of biologically productive land and sea area an individual, a region, all of humanity, or a human activity that compete for biologically productive space. Then, they were asked to calculate their own Ecological footprint with the help of a footprint calculator and draw some conclusions about the sustainability of their habits.

[Footprint Calculator Tool](#)

Finally, after the screening of a video 'The Ocean as a Carbon Sink' we had a group discussion on how pollution affects our oceans and contributes to the greenhouse effect.

[The Ocean as a Carbon Sink](#)

FRIDAY 1ST

As a closure for our working week, the **1st Europe Takes a Breath International Congress** took place. The students had a chance to pitch their digital posters to the rest of the students and teachers and show what they had learned. The Congress was a great success and ended with an open discussion where all the participants were invited to share their thoughts about the topic and share their wishes for the future of our planet.

After that we the students join with groups and the Catalan students explain the waste management of their city to the rest of the members of the groups. Then every country had to explain the system used in their own country and compare and discuss the good and bad point of each system.