

## General week report

Sun 16<sup>th</sup> April

We met our host families after a quite long flight.

We dined together and shared different points of view about our cultures.



Mon 17<sup>th</sup> April

We arrived at school at 8 a.m. and did ice-breaking activities all together.

After that, Italy and Portugal presented their Power Point presentations about "Smart and fast ways to save energy and cut emissions".

We had a snack in the school garden at 11 a.m.

We played team sports in Parque de Miraflores, such as ultimate frisbee, lacrosse, badminton and dodgeball.

In the afternoon we had free time, so after lunch we spent the evening together at Parque Santa Clara.





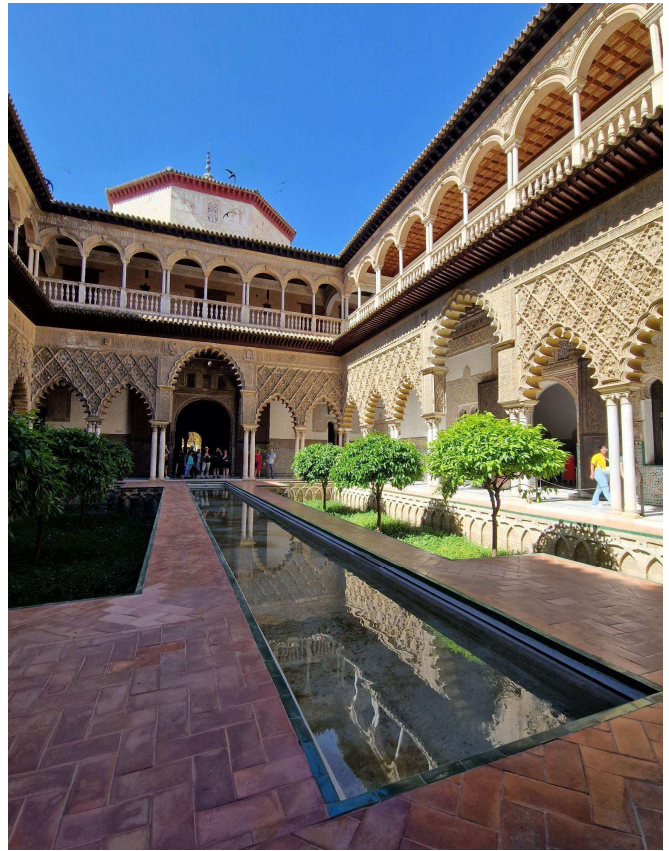
Tue 18<sup>th</sup> April

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At school, we listened to a lecture by professor Javier García Montes from the University of Seville about energy and sustainability.

Thereafter, we reached the city centre by bus and visited the Real Alcázar.

After lunch, we walked along the cathedral and arrived in Plaza de España.



Wed 19<sup>th</sup> April

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At 9 a.m. a bus took us to Torrepalma solar plant where an Enel technician showed us how solar plants work and convert solar energy into electricity.

By city bus we reached Guadalquivir river where we canoed

until 3 p.m.

In the

afternoon

we relaxed

at home

and in the

evening

we had

dinner all

together in

a bar.





Thu 20<sup>th</sup> April

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We woke up very early in order to be at school by 6.30 a.m.

A bus took us to Doñana National Park. Before starting the actual visit at the park, a chemist who works in the Instituto Nacional de Técnica Aeroespacial (INTA) explained us the way they are working to exploit green hydrogen in order to produce energy to fuel vehicles.

Furthermore, INTA is energetically independent, using renewable energies such as solar and eolic.

After the visit, a guide from Doñana showed us a video about the flora and fauna of the park. She also taught us about the Iberian Lynxes' lives and how they are trying to preserve the species. We saw an actual lynx in the observatory, even if it was hiding in her small refuge.

We spent the afternoon all together at Matalascañas beach.



After that, we got home, we hung out at a pub.



Fri 21<sup>th</sup> April

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Last day of activities: the Spanish, Italian and Portuguese groups each made a video and a week report of the Erasmus+ experience.

Spain presented their Power Point presentation about “Smart and fast ways to save energy and cut emissions”.

For lunch, we ate an Iberic barbecue at school with the families and the teachers.



# What have we learnt?

Tue 18<sup>th</sup> April

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A University Professor came in class and talked about Energy, Economy and Ecology. We learned that greenhouse gases and global warming are serious problems and that only China and United States pollute like a good part of the world and they act like the global warming is not their thing. Consumption is driving force behind the unprecedented planetary change we are witnessing, through the increased demand for energy, land and water. We can change things only if everyone acts together; if all the world realizes that we are going to ruin the only house we have ever had the change could happen in a few months, but we need to spread the word and inform as many people as possible.





Wed 19<sup>th</sup> April

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We went to Enel Green Power España and we discovered that through a "Creating Shared Value" approach, this company seeks to incorporate the priorities and needs of local communities into its business strategy, generating value for the company while helping to improve the economic and social conditions of the local environment in which it operates.



Sustainable engineering actions:

- Installation of photovoltaic panels on site for own consumption reducing the use of generators, which will be donated to the local community for public use once the work is finished;
- Efficient lighting, with the use of low consumption bulbs for the installations of the construction field.

Social and environmental actions for the benefit of the community:

- Promotion of employment and improvement of the employability of the local population of Seville;
- Training course for the assembly of trackers and photovoltaic panels in order to involve them in the construction of the plant;
- Training course in renewable energies aimed at the local population, with the aim of improving their employability in a sector with great potential in the area.

Thu 20<sup>th</sup> April

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We visited the Instituto Nacional de Técnica Aeroespacial (INTA). This institute deals with:



- Research, development, demonstration and technology transfer of alternative energy systems (smart grids in which hydrogen and battery technologies are integrated as energy storage systems);
- Implementation of renewable energies and energy efficiency studies in the aeronautical and defense sectors;
- Development of R + D + i projects related to fuel cell technologies, batteries and supercapacitors.
- Thermal tests of solar collectors and domestic solar equipment.