

The school year 2022-2023 our school, 1st EPAL Varis, competed with delightedly for 2nd continuous years the mobility plan <<Erasmus+>> with title <<Green energy>>, code number **-EL01-KA122-VET-000030830** and **OID number E10229228**. Target of this year was the students to learn about the management of water resources and renewable energy. This year program completed in Spain and specifically in Granada, in the period of 24 September – 7 October 2023, with the participant of 15 students and 3 teachers with great success.



For 2 weeks the students had the opportunity to get in touch with the daily life and culture of Granada and see up close the application of management and development about water resources via design, implementation and optimal operation (infrastructure projects and interventions to manage both supply and demand.)At the same time , the most important thing was the was the simultaneous contact of the students with the production of energy via photovoltaic parks, in order to connect the management of water resources which is directly related to many aspects of energy management and specifically with the production, the storage and the energy consumption.

Specifically the students followed the total of program, (making visits to dams),drinking management and processing stations of the city, in order to rating the development (of the exploitation works) of the surface water utilization projects in the city of Granada. They experienced the existence of information technology in improving the possibilities of exploiting resources either reason to climate changes and reason to the intensifying water pollution in combination with the stricter requirements adopted by the European Union in terms of the protection of aquatic ecosystems imposing restrictions on the management of demand and to no longer take for granted the traditional consumptions the traditional losses the indifference to the possibilities of reuse and recycling as well as the traditional method of

costing and invoicing water.



In the final part of the training the students experienced the operation of photovoltaic parks in contributing to the protection of the environment as well as the development of innovative ideas and applications such as solar panels. Throughout the program the students always worked in groups in a spirit of cooperation and mutual respect.



Through the implementation of the project the students of our school not only came into contact with new technologies and innovative applications that utilize water resource management and solar energy but they decided to implement corresponding ideas for the energy autonomy of the school's laboratory facilities.

During the stay in Granada many tours and visits to places of historical importance took place enabling students and teachers to get to know the country better its history and culture. It was finally an important opportunity for the students to practice their English language skills.



In conclusion we can say that this year's educational program helped the students to cultivate teamwork to understand the value of vocational training. It prompted them to produce new innovative ideas in the field of green and specialty solar energy and its utilization methods.

It is a unique experience for our students which only positive elements can betray them in their professional future.