



Erasmus+

## GREENPROD (2019-2021)

2019-1-FR01-KA229-063119\_1

Project funded by the European Union

**Greenprod** is an **Erasmus Plus project** which aims to encourage the development and dissemination of good pedagogical and citizen practices around sustainable development, especially in the field of Chemistry



### The project is supported by three schools:

- Çanakkale Anadolu Lisesi in Turkey
- Istituto d'Istruzione Superiore Gobetti Marchesini Casale Arduino, Turin, Italy;
- and the Lycée Lavoisier in Mulhouse (France)

These three high schools have decided to pool their teaching skills to meet the sustainable development goals (SDGs) set by the United Nations and implemented in the territory of the European Union.

<https://www.un.org/sustainabledevelopment/>

<https://ec.europa.eu/eurostat/web/products-statistical-books/-/ks-02-20-202>

Two objectives will be particularly developed during the two school years of the project (2019-2022):

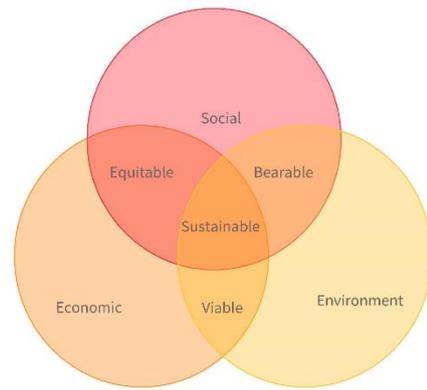
- **SDG4 “Quality Education for All”**
- **SDG12 “Responsible Production and Consumption”**.

The three schools wish to pool and develop new pedagogical practices.

The main objective is to encourage students and educational staff to work towards sustainable development by adopting practices and behaviours that are more respectful of resources and the environment.

### Each school will contribute to the project:

- by bringing their own practices and approaches to education for sustainable development
- developing new common practices that will then be disseminated in their school, social and professional environments.



Approximately 80 students and 15 teachers and technicians will be involved directly or through any of the activities of the **Greenprod** project:

- during staff training in the three establishments
- during school exchanges (school trips, staff training)
- during video conferences and joint activities on the etwinning platform.

The study and manufacture of a “sustainable soap” will be the common thread and the culmination of this first collaboration.

The Erasmus Plus “Greenprod” project will have seven objectives:

- 1) **Motivate and remotivate students**, especially those with academic and social difficulties, around civic and innovative activities
- 2) Provide students with **new knowledge** and **skills** related to sustainable development
- 3) Provide **Europass** students and staff with the opportunity to showcase their investment and social skills in relation to sustainable development
- 4) Helping students be engaged, **engaged and responsible for sustainable development**
- 5) Make colleagues (teachers, technicians and other agents working in our schools) aware of the **actions and behaviours of citizens** in relation to sustainable development.
- 6) Communicate about our project and involve **external entities** (primary schools, companies, universities)
- 7) **Share** experiences and pedagogical practices of sustainable development with the immediate environment (schools, municipalities, companies) but also institutional (region, academy, industry)

By initiating this exchange of best practices between three high schools and three different countries, we want to develop a **lasting partnership and contribute to sustainable** human, social, economic and environmental development.

A larger project is envisaged at the end of this first collaboration and involving new partners such as universities and companies.

### Introduction to the three partners

Merkez Çanakkale Anadolu Lisesi

<http://canakkaleanadolulisesi.meb.k12.tr/tema/index.php>

This high school, located 30 kilometers from the legendary city of Troy, has serious experience in the field of education for sustainable development.

It is located in an interesting rural environment for the European project «Greenprod».



This school offers its European partners the opportunity to harvest and study some endemic plants, but also to discover traditional and artisanal methods of soap making. Moreover, the school is close to Mount Ida, which has an exceptional and interesting fauna and flora for the cultural enrichment of the students.

Istituto di Istruzione Superiore Casale of Turin

<http://www.gmca.edu.it/>

The Turin Professional and Technical Institute is the driving force behind many projects on the issue of sustainable scientific, human and technological development.



This high school, specialized in the Engineering of Processes, is already experimenting with pedagogical practices in phase with the project «Greenprod» Erasmus: protection of diversity, recycling of waste, reduction of pollution, production of renewable energy, food sovereignty, water and resource management.

Each of these practices is associated with a citizen approach. Businesses in the region are also partners in these environmental initiatives.

Lycée Laurent de Lavoisier of Mulhouse

<https://lyc-lavoisier.monbureaunumerique.fr/>

Lycée Lavoisier wishes to encourage and disseminate good pedagogical practices, especially those of the Practical Works, in the direction of the objectives of sustainable development:



- **reducing the use of products harmful** to the environment in practical work,
- **find alternative** and more environmentally friendly products for the production of PT,
- **Meeting sustainable** development goals in the area of citizenship;
- **Open its Process Engineering platform**, unique in France, to international collaboration.

The school has already experimented with the creation and management of mini companies related to sustainable development: manufacturing of a biological detergent, installation and management of hives, production of eco-responsible candles.