**BAĞYURDU ANADOLU LİSESİ**

**Traditional and alternative sources of energy-consumption and impact on the environment**

**Wednesday, 26th May**

**10:00-14:00**

Students of Bağyurdu Anadolu Lisesi will introduce their country, culture, Izmir and school. The same is expected form Estonia, Greece, Romania and Poland. They will present their presentations to introduce their country, culture, city and school.

**Thursday, 27th May**

**10:00-14:00**

Students of Bağyurdu Anadolu Lisesi will present their presentations on energy consumption.

Nehir Aykurt- Wind energy

Nisa Çayıroğlu- Solar energy

Sıla Öncü- Hydroelectric energy

Berivan Demir- Wave and tidal energy

Berkan Demir- Biomass energy

Töre Şahin- Geothermal and hydrogen energy

After the presentations, students of Bağyurdu Anadolu Lisesi will answer the questions the others may ask about their presentations.

This is followed by the presentations of all partner schools:

Tamsalu Gymnasium;

 1o EPAL KARDITSAS;

Liceum Ogolnoksztalcace im. Tadeusza Kotarbinskiego w Sepolnie Krajenskim;

Colegiul Tehnic Mihail Sturdza.

**Friday, 28th May**

**13:00-16:00**

All students will use the EPA carbon footprint calculator to see how
individual usage affects the environment.

There will be interviews with experts via zoom.

14:00-14:15     Prof. Dr. Arif Hepbaşlı             - Enerji Verimliliği (Energy Efficiency)

14:15-14:30     Dr. Öğr. Üyesi Levent Bilir      - Rüzgar Enerjisi (Wind Energy)

14:30-14:45     Doç. Dr. Nurdan Yıldırım        - Jeotermal Enerji (Geothermal Energy)

14:45-15:00     Dr. Öğr. Üyesi Emrah Bıyık     - Güneş Enerjisi (Solar Energy)

15:00-15:15     Dr. Emin Selahattin Umdu     - Biyoenerji (Bioenergy)

15:15-15:30     Soru-Cevap (Q&A)

**Saturday, 29th May**

**10:00-14:00**

Students will do a workshop. They will think of ways to raise people’s interest in responsible energy consumption and use of alternative energy sources. And they create models, posters or animations etc.

**Sunday, 30th May**

**10:00-14:00**

Students will present their creations about the workshop. The participants are going to fill in the evaluation forms and conclude the meeting.

The activities will take place online, during regular working hours.The results of the exchange: school presentations, presentation about Turkey and İzmir, presentations about traditional and alternative sources of energy, workshop metarials, students’ creations,videos from activities, photos, initial and final evaluation questionnaires, feedback forms, Europass documents and certificates.

The activity was beneficial for the participants in several ways.

The topic “Traditional and alternative sources of energy-consumption and impact on the environment” is directly related to the curriculum of physics and global education. The students, while preparing for the LTTA did research on the topic to make a presentation. It was group work and this way they practised their teamwork skills as well as extended their knowledge of the topic. In addition, as the climate change is a global issue, the topic of alternative energy use is relevant in understanding the importance of the switch from traditional energy production to the use of alternative energy.

The students learned about energy production in different countries and could compare the situation with their homeland. In addition, they could listen to experts talking on energy efficiency, bio-energy, and wind, solar and geothermal energy and ask questions on these topics.

The students learnt how to use the EPA carbon footprint calculator to see how individual usage affects the environment. They shared their results with the group and thought how it could be possible to reduce it.

As the outcome of the activity, the students had a creative task - how to raise people’s awareness of responsible energy consumption and the importance of the use of alternative energy. They expressed their ideas in the form of a poster, video, animation or leaflet. It would also be possible to impact the community as the result of their creative work will be posted on schools websites and find coverage in local media channels.

As the partners introduced their schools, it gave the participants a chance to learn about different school systems. Furthermore, it was a cultural experience as the partners introduced their city and country. That way the participants could broaden their horizons concerning the countries’ traditions, culture and environment.