**LTTA 1 “Traditional and alternative sources of energy –**

**Consumption and impact on the environment”**

 **Erasmus+ project “FROM SCHOOL TO LIFE - MY KNOWLEDGE HELPS ME IN MY DAILY LIFE”**

 **National ID2020-KA229-04 / wd reg 36.3-2/548**

**Meeting Minutes**

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| **Date of meeting:** | **26-30 May 2021** |
| **Meeting location:** | **Izmir/Turkey – online** |
| **Meeting coordinator/host** | BAGYURDU ANADOLU LISESI |
| **Participants:****Participants:** |  | **Greece,****1st EPA.L. of Karditsa** |
| Richard LiivVelle TarrasteRiho RinginenRayen Mirko TalurRomel SeemannKristjan VällmannSimmo LaitLauri EeritsSergei Jerjomin | **Estonia,****Tamsalu Gymnasium** |
|   | **Poland,****Liceum Ogolnoksztalcace im. Tadeusza Kotarbinskiego w Sepolnie Krajenskim**  |
|  | **Turkey,****BAGYURDU ANADOLU LISESI**  |
|  | **Romania,****Colegiul Tehnic Mihail Sturdza**  |
| **Minute taker:** | **Anne Kraubner. Tamsalu Gymnasium** |

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| **Aims of the meeting** |
|  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 and a video. 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. |
| **Meeting activities** |
| **Wednesday, 26th May**Students of Bağyurdu Anadolu Lisesi introduced their country, culture, Izmir and school. The same did schools form Estonia, Greece, Romania and Poland. They presented their presentations to introduce their country, culture, city and school. **Thursday, 27th May**Students of Bağyurdu Anadolu Lisesi presented their presentations on energy consumption. Nehir Aykurt- Wind energyNisa Çayıroğlu- Solar energySıla Öncü- Hydroelectric energyBerivan Demir- Wave and tidal energyBerkan Demir- Biomass energyTöre Şahin- Geothermal and hydrogen energy After the presentations, students of Bağyurdu Anadolu Lisesi answered the questions the others asked about their presentations.This was 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**All students used the EPA carbon footprint calculator to see how individual usage affects the environment.There were interviews with experts via zoom.Prof. Dr. Arif Hepbaşlı - Enerji Verimliliği (Energy Efficiency)Dr. Öğr. Üyesi Levent Bilir - Rüzgar Enerjisi (Wind Energy)Doç. Dr. Nurdan Yıldırım - Jeotermal Enerji (Geothermal Energy)Dr. Öğr. Üyesi Emrah Bıyık - Güneş Enerjisi (Solar Energy)Dr. Emin Selahattin Umdu - Biyoenerji (Bioenergy)Soru-Cevap (Q&A)**Saturday, 29th May**Students had a workshop. They thought of ways to raise people’s interest in responsible energy consumption and use of alternative energy sources and they created models, posters or animations etc.**Sunday, 30th May**Students presented their creations about the workshop. The participants filled in the evaluation forms and concluded the meeting. |

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| **To-do list** |
| GREECE |  |  | As it is written in the application form |
| ESTONIA |  |  | As it is written in the application form |
| POLAND |  |  | As it is written in the application form |
| TURKEY |  |  | As it is written in the application form |
| BELGIUM |  |  | As it is written in the application form |
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