



Third educational event for elementary school students

Overview	
Date	26.03.2021
Venue	ZOOM platform
Aim of the event	Introduction of the educational materials related to circular economy and sustainable development through presentation, videos and quiz in order to bring closer the opportunities, challenges and solutions of the bioeconomy to the elementary school students.

Short resume

The Strumica region is part of the BE-Rural project funded by the "Horizon 2020" program of the European Union. The project aims to bring the concept of bioeconomy closer to the stakeholders in the region, to map the opportunities and potentials of the region, as well as to develop roadmaps and strategies for bioeconomy development.

To continue the educational events planned for the Strumica region for students in elementary and secondary education, we did not rule out the possibility of conducting such events in other municipalities that have shown interest and readiness to build their capacities and explore the bioeconomy. In the municipality of Shtip, which although is not part of the Strumica region was held the third educational event for elementary school students on 26.03.2021 starting from 11:15 via ZOOM platform. The event was attended by 74 participants, including students from sixth, seventh, eighth and ninth grades, the class teacher, pedagogue and secretary as well as representatives from SDEWESSKopje with a topic: Opportunities, challenges and solutions of bioeconomy.

The initial part of the educational event was about the concept and ideas of BE-Rural which were explained in order to introduce the students with the goals of the project. The focus of the presentation was the synergies of various aspects of bioeconomy. The students were introduced to concepts such as biomass, bioeconomy, etc. The linkages of bioeconomy, climate change and ecologic limits were also highlighted. Sustainability is closely related to bioeconomy, so the concept of sustainable resource utilization was elaborated in detail through the sustainability diagram. It was of great benefit to emphasize the importance of sustainable development goals by highlighting the most important ones for the bioeconomy and their role in the accomplishing the bioeconomy concept. Bioeconomy in a rural ambient was shown with a video that in an interesting way summarize the main aspects of the lesson and will help the students to remember the key points. The following part of the presentation was more focused on bioeconomy resources, i.e. different types and how they can be utilized. Examples of small pelleting and mobile wood chips technologies and bio-based products from such waste were presented. Some examples of bio-products such as healthy drink from coniferous trees, eco hair brush

from wild boar hair and wood, mycelium and agricultural residues pots and biofuel were interesting for the students. At the end of the class, students actively participated in several quiz questions via chat.

Having in mind the current situation with the pandemic, the educational events are organized virtually, with the possibility of replication in physical events when suitable situation occur. The feedback from the students and teachers is more than satisfactory with an eagerness for these events to continue in the future.

Participants				
No	Name	Surname	Organization	Stakeholder category
1	Emilija	Mihajloska	SDEWES-Skopje	member
2	Vladimir	Gjorgievski	SDEWES-Skopje	member
3	Marika	Balabakovska	Elementary school – municipality of Stip	Teacher
4	Angela	Mihajlovska	Elementary school – municipality of Stip	Student/6-1
5	Filip	Todorov	Elementary school – municipality of Stip	Student/6-1
6	Nikola	Jovchev	Elementary school – municipality of Stip	Student/6-1
7	Dimitri	Peev	Elementary school – municipality of Stip	Student/6-1
8	Doris	Jankova	Elementary school – municipality of Stip	Student/6-1
10	Dragan	Kostadinov	Elementary school – municipality of Stip	Student/6-1
11	Azra	Eminova	Elementary school – municipality of Stip	Student/6-1
12	Nina	Miladinova	Elementary school – municipality of Stip	Student/6-1
13	Mila	Miladinova	Elementary school – municipality of Stip	Student/6-1
14	Mia	Andreevska	Elementary school – municipality of Stip	Student/6-1
15	Ljupcho	Manev	Elementary school – municipality of Stip	Student/6-1
16	Dragan	Stojkova	Elementary school – municipality of Stip	Student/6-1
17	Bojan	Nikolov	Elementary school – municipality of Stip	Student/6-1
18	Damjan	Jovanov	Elementary school – municipality of Stip	Student/6-1



19	Kristijan	Risteski	Elementary school – municipality of Stip	Student/8-1
20	Hristijan	Stankov	Elementary school – municipality of Stip	Student/8-1
21	Jelena	Jovcheva	Elementary school – municipality of Stip	Student/8-1
22	Filip	Jovanov	Elementary school – municipality of Stip	Student/8-1
23	Blagoj	Ordev	Elementary school – municipality of Stip	Student/8-1
24	Martin	Petrov	Elementary school – municipality of Stip	Student/8-2
25	Semih	Kadriov	Elementary school – municipality of Stip	Student/8-2
26	Natalija	Miteva	Elementary school – municipality of Stip	Student/8-2
27	Nevenka	Kunevska	Elementary school – municipality of Stip	Student/8-2
28	Nihan	Shakirova	Elementary school – municipality of Stip	Student/8-2
29	Luka	Popov	Elementary school – municipality of Stip	Student/8-2
30	Andrej	Stojkov	Elementary school – municipality of Stip	Student/8-2
31	Damjan	Nikolovski	Elementary school – municipality of Stip	Student/8-2
32	Julija	Zivkova	Elementary school – municipality of Stip	Student/8-2
33	Katerina	Durtanovska	Elementary school – municipality of Stip	Student/8-2
34	Anastasija	Gjorova	Elementary school – municipality of Stip	Student/8-2
35	Aleksandra	Daneva	Elementary school – municipality of Stip	Student/8-2
36	Zarko	Markov	Elementary school – municipality of Stip	Student/8-2
37	Ilija	Velkov	Elementary school – municipality of Stip	Student/8-2
38	Filip	Atanasov	Elementary school – municipality of Stip	Student/8-3
39	Mert	Shakirov	Elementary school – municipality of Stip	Student/8-3
40	Stefanija	Kiprijanovska	Elementary school – municipality of Stip	Student/8-3
41	Martin	Bogatinov	Elementary school – municipality of Stip	Student/8-3
42	Bojan	Mitevski	Elementary school – municipality of Stip	Student/8-3




43	Ana	Golomeova	Elementary school – municipality of Stip	Student/8-3
44	Ana	Koceva	Elementary school – municipality of Stip	Student/8-3
45	Gizem	Mustafa	Elementary school – municipality of Stip	Student/8-3
46	Ivan	Josifov	Elementary school – municipality of Stip	Student/9-1
47	Martin	Jovanov	Elementary school – municipality of Stip	Student/9-1
48	Petar	Jordanov	Elementary school – municipality of Stip	Student/9-1
49	Bojana	Jankova	Elementary school – municipality of Stip	Student/9-2
50	Iva	Panova	Elementary school – municipality of Stip	Student/9-2
51	Jovan	Donev	Elementary school – municipality of Stip	Student/9-2
52	Temla	Kadrieva	Elementary school – municipality of Stip	Student/9-2
53	Viktorija	Novkovska	Elementary school – municipality of Stip	Student/9-2
54	Aleksija	Manev	Elementary school – municipality of Stip	Student/9-3
55	David	Nikolovska	Elementary school – municipality of Stip	Student/9-3
56	Gjorgji	Rogozanski	Elementary school – municipality of Stip	Student/9-3
57	Mario	Mijalov	Elementary school – municipality of Stip	Student/9-3
58	Mihajlo	Andov	Elementary school – municipality of Stip	Student/9-3
59	Danil	Nikoliski	Elementary school – municipality of Stip	Student/9-3
60	Branislav	Dimov	Elementary school – municipality of Stip	Student/9-3
61	Ilija	Zimbakov	Elementary school – municipality of Stip	Student/9-3
62	Lidija	Angelova	Elementary school – municipality of Stip	Student/9-3
63	Tijana	Kostadinova	Elementary school – municipality of Stip	Student/9-3
64	Sara	Kirovska	Elementary school – municipality of Stip	Student/9-3
65	Igor	Hristovski	Elementary school – municipality of Stip	Student/9-3
66	Oliver	Arsov	Elementary school – municipality of Stip	Student/9-3



Agenda	
11:15 – 11:20	Welcome and introduction <ul style="list-style-type: none"> • Technical setup and explanation of the technical tools • Consent forms • Feedback form
11:20 – 11:45	Presentation on the topic: Opportunities, challenges and solutions of bioeconomy <ul style="list-style-type: none"> • Focus on bioeconomy, biodiversity, sustainability, ecological limits, sustainable development goals, technological solutions for the agricultural and forestry sector, bio-based products • Quiz • Video
11:45 – 11:50	Discussion and conclusions

Photographs





Што е одржливост?

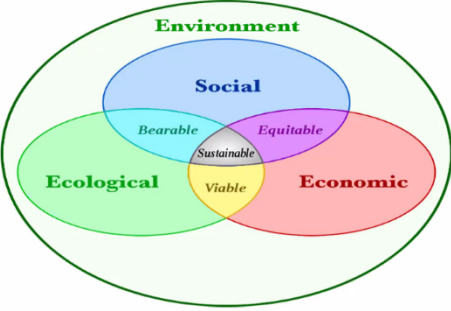
Разумно искористување на ресурсите така што и идните генерации ќе можат да ги задоволат своите потреби.

Што подразбираме под ресурси?

Под ресурси подразбираме бесконечни и конечни материјали што можат да се најдат на земјата.

Дијаграм за одржливост

Интегрален пристап



Participants (69)

Find a participant

- Emilija Mihajlovska (Me)
- SDEWES SKOPJE (Host)
- 348077
- Aleksija222 Manev
- Ana Golomeova
- Andrej Stojkov
- Bojan Mitevski
- Bojan Nikolov
- Bojana Jankova
- Damjan
- Damjan Nikolovski
- David Nikolovski
- Dragana Stojkova
- Filip Jovanov
- Galaxy S7 edge
- Gorgi Rogozarski

Invite Unmute Me Reclaim Host



This project is funded by the Research and Innovation Program of the European Union "Horizon 2020", with Grant agreement no. 818478.

