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ERASMUS+, Key Action 2,
Cooperation for Innovation and Exchange of Good Practices
Strategic Partnerships for Schools
“iGO ECO – Respect and Care about the Earth”

2020-1-PL01-KA229-081538_6

REPORT

LEARNING / TEACHING / TRAINING ACTIVITY 5

WASTE MANAGEMENT

PLACE: Bacău, Romania
DATES: 6-12 MARCH 2023

Colegiul Național “Vasile Alecsandri” Bacău
37 Vasile Alecsandri Street, 600011, Bacău, Romania

I. PARTICIPANTS

 Hosts:


Nr. Crt.	Name of participant	Teacher/Student
1.	Măcincă Adriana	Teacher
2.	Bogdănel Anca	Teacher
3.	Lungu Gabriel	Teacher
4.	Andone Mariana	Teacher
5.	Sterpu Angela	Teacher
6.	Galeru Radu	Teacher
7.	Ghelasă Loredana Elena	Teacher
8.	Rizan Tatiana	Teacher
9.	Oiegar Emanuela	Teacher
10.	Nechifor Anișoara	Teacher
11.	Nemeș Lăcrămioara	Teacher
12.	Terenteac Otilia	Teacher
13.	Corlade Iulia	Teacher
14.	Fărâmbă Simina	Teacher
15.	Covaci Ramona	Teacher
16.	Dulhac Nona	Teache
17.	Popescu Alexandru	Student



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18.	Bran Bianca	Student
19.	Radu Miruna	Student
20.	Mere Albe Ioana	Student
21.	Botezatu Roxana	Student
22.	Cășeru Carina	Student
23.	Cătuneanu Marta	Student
24.	Dragoș Cantăr	Student
25.	Oțeliță Ioana	Student
26.	Catană Radu	Student
27.	Druică Tiberiu	Student
28.	Băluță Iannis	Student
29.	Ichim Rareș	Student
30.	Noemi Munteanu	Student
31.	Andrieș Luca	Student
32.	Munteanu Noemi	Student
33.	Coman Antonia	Student
34.	Mistode Ana Maria	Student
35.	Ivancea Mihnea	Student
36.	Mălinescu Andrei	Student
37.	Năstasă Lizuca	Student
38.	Oțeliță Ioana	Student
39.	Elesei Matei	Student
40.	Smântancă – Strugariu Teodora	Student
41.	Țarălungă Alexia	Student
42.	Tomozei Constantin	Student
43.	Olteanu Maria	Student
44.	Ștefănescu Miruna	Student
45.	Cernic Valentina	Student

 Guest partners

Nr. Crt.	Country	Name of participant	Teacher/Student
1.	Poland	Brzuchacz Mikołaj	student
2.	Poland	Chemicz Magdalena	student
3.	Poland	Cholewińska Alicja	student
4.	Poland	Golec Martyna	student
5.	Poland	Musiał Julia	student
6.	Poland	Torbus Zuzanna	student
7.	Poland	Gemborys Agnieszka	teacher
8.	Poland	Ścisłowicz Katarzyna	teacher
9.	Italy	Postpischl Leonardo	student
10.	Italy	Galeotti Gabriele	student
11.	Italy	Petrioli Giacomo	student
12.	Italy	Maestrini Aurora	student



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13.	Italy	Ferri Eleonora	student
14.	Italy	Bennati Elisa	teacher
15.	Italy	Rossetti Patrizia	teacher
16.	Greece	Maria Porgioti	student
17.	Greece	Kalypso Damdimopoulou	student
18.	Greece	Marianthi Lemoni	student
19.	Greece	Chrysoula Lemoni	student
20.	Greece	Asimina Theodorou	Teacher
21.	Greece	Argiris Gkoumas	Teacher
22.	Turkey	Alkan Gürkan	student
23.	Turkey	Ayşe Ayöz	student
24.	Turkey	Ezgi Çınar	student
25.	Turkey	Havva Özdemir	student
26.	Turkey	İbrahim Efe Ocak	student
27.	Turkey	Eylem Seçik	teacher
28.	Turkey	Kenan Gümüşsoy	teacher
29.	Spain	Biel Brufau	student
30.	Spain	Arnau Rubies	student
31.	Spain	Madeleine Figueroa	student
32.	Spain	Sergi Estarellas	student
33.	Spain	Tatiana Reyes	student
34.	Spain	Ruben Sentis	student
35.	Spain	Alicia Rivero	teacher
36.	Spain	Pau Velasco	teacher

II. PURPOSE

Waste management represents a source of concern nowadays, both because of the variety of types of waste, and in terms of the issues raised by its storage and management, its processing costs and its impact on the environment.

Through the activities carried out we proposed a complex approach on waste issues, including both theoretical activities, informing the main categories of beneficiaries about the main categories of waste and the problems it raises, but also practical, experimental activities, for a concrete highlighting of the effects of poor waste management on the environment.

At the same time, our aim was to raise students' awareness about the need for efficient waste management and to present effective ways to recycle and reuse some categories of waste, highlighting the qualitative and quantitative advantages, but also the economic benefits.

III. OBJECTIVES

- Raise awareness of the different types of waste and different types of pollution: soil, air, atmosphere, biosphere.
- Training of correct selective waste collection skills for recycling and reuse the different types of waste;



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- Learn new vocabulary connected with the topic;
- Develop creativity, critical thinking and entrepreneurial skills;
- Develop communication and interpersonal skills.

IV. ACTIVITIES

Sunday, 5th March – Arrival of delegations (Arrival at Dumbrava Hotel)

Monday, 6th March – Getting to know each other

8,30 – 8,45	Arrival at school
9,00	Welcoming speech
10,00 -10,45	Ice-breaking activities
10,45 – 11,00	Tea / coffee break
11,15 -11,45	Short tour of the school
11,45 – 12,30	Workshop 1 – Presentations / videos about waste management made by guest and host teams.
12,30 -13,00	Group work – Questionnaire presentations - analyze and compare the strategy on waste management of each country and identify three positive and negative aspects involving strategies on waste management.
18,30 – 22,00	International evening (cuisine, songs, dances) and ice-breaking activities (the school gym)

Tuesday, 7th March – Lets's talk about waste management

8,30 – 8,45	Arrival at school	
9,00 -9,30	Workshop: Types of waste and its impact on human health and on the environment	
9,30 – 11,00	9,30 – 10,15: Lab app – Experiments/measurements of water quality to demonstrate the impact of waste on plant germination (Group 1) (Biology Lab)	Lab app: Experiments/measurements of soil, air and water quality to demonstrate the impact of waste on human health - (Group 2) (Chemistry Lab)
	10.15 – 11,00: Lab app – Experiments/measurements of water quality to demonstrate the impact of waste on plant germination (Group 1) (Biology Lab)	Lab app: Experiments/measurements of soil, air and water quality to demonstrate the impact of waste on human health - (Group 2) (Chemistry Lab)
11,00 – 11,30	Tea / coffee break	
11,30 - 12.00	Visit to the phosphogyps dump	



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12,00 – 18,00	Visiting the Installation of sorting, transportation and composting waste in Onești
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Wednesday, 8th March – Discovering Iasi	
08, 00 – 13,30	Visit the industrial and medical waste incineration plant (Iasi)
13,30 -14,00	Lunch
14,00 -17,00	Visiting The Palace of Culture, Trei Ierarhi Monastery

Thursday, 9th March – Planting trees	
9,00	Departing from the city center
9,30 – 12,00	Planting and clean-up campaign; visiting the special protected area Bacău Lake
13,00	Lunch (packed lunch)
13,30 -15,00	Creative workshop
15,00 -17,00	Dance classes for students and teachers with Adamas Dance Club

Friday, 10th March	
9,00	Arrival at school
9,00 – 10,00	Finishing team projects
10,00 – 11,30	Team projects presentation
11,45 – 12,45	Presentation of certificates

Saturday, 11th March – Departure of delegations
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V. ACTIVITY DETAILS

Day 1: Monday, 6 March 2023

Objective: getting to know the partners, getting familiar with the traditions of Romania and the one from Bacău area; taking introductory lesson to check the campaigns created by the different teams on the topic of waste management; comparing the strategy on waste management of each country and identify three positive and negative aspects involving strategies on waste management.

The first day of the exchange was thoroughly devoted to getting to know one another. After a welcoming speech on the part of the head of studies, the students took part in a speed date ice-breaking activity to get to



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know each other. The day continued with a school tour – during which we presented the classrooms and labs, but also learnt about some customs, daily routines of the students.

Then, each team presented the videos about waste management made prior to the mobility, analyzing and comparing the strategy on waste management of each country and identifying three positive and negative aspects involving strategies on waste management.





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Day 2: Tuesday, 7th March – Let's talk about waste management

Objective: The purpose was to learn about the main categories of waste and to analyze its impact on environmental components. Theoretical sessions were accompanied by practical activities, lab experiments and field trips, in order to raise awareness of the effects, in the medium and long term, of poor waste storage and management.

The second day began with a theoretical activity of presenting the main categories of waste, continuing with two practical, laboratory activities. Through the experiments performed, the students wanted to highlight the harmful impact of certain categories of waste on water and soil quality.

In the second part of the day, the participants visited the phosphogypsum (PG) dump (radioactive industrial waste) but also the composting station from Onești, a municipality of our county.





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Day 3, Wednesday, 8th March 2023 – Discovering Iasi

Objective: The objective of this day was to expand on the issue of waste, approaching the topic of industrial waste. At the same time, the visit to Iasi included a cultural part, the partner teams having the opportunity to discover a part of the cultural and historical specificity of the region of Moldova.

We we visited the factory for the incineration of medical waste from Iași. This type of waste has a special regime, and its storage requires specific conditions. Students were given explanations regarding medical waste specifics, the factory circuit, the ways of collection, storage, and destruction.

In the afternoon we visited the city of Iasi: the pedestrian with the Metropolitan Church and the Church of the Three Hierarchs, the House of Dosoftei and the Palace of Culture with its museums, an emblematic building of the city.





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Day 4, Thursday, 9th March 2023 – Planting trees

Objective: One of the aims of the planting campaign was to realise how poor waste management in protected areas affects aquatic ecosystems. Along with the issue of waste, participants also learned aspects related to the management of protected areas.

The protected area Lake Bacău II, Natura 2000 site, was visited, where participants planted poplar and willow seedlings. Students were told about the Natura 2000 Site, about the protected species, about its importance at local and European level.

In the afternoon, a creative workshop was organized, in which students learned to capitalize on different categories of waste. Divided into mixed teams, they made various useful items out of recycled materials.





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Day 5, Friday, 10 March 2023

Objective: summary of the project activities

This last day was dedicated to the production of the final project connected with the topic of “reusing and recycling waste”. Students worked together, divided in mixed groups of different nationalities. Some of them created jewellery, other teams opted for practical objects, or decorations. This allowed them to use their creativity.

Finally, we summarised the week’s events, discussing positive aspects and areas of improvement, after which all the participants were awarded certificates of attendance.





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