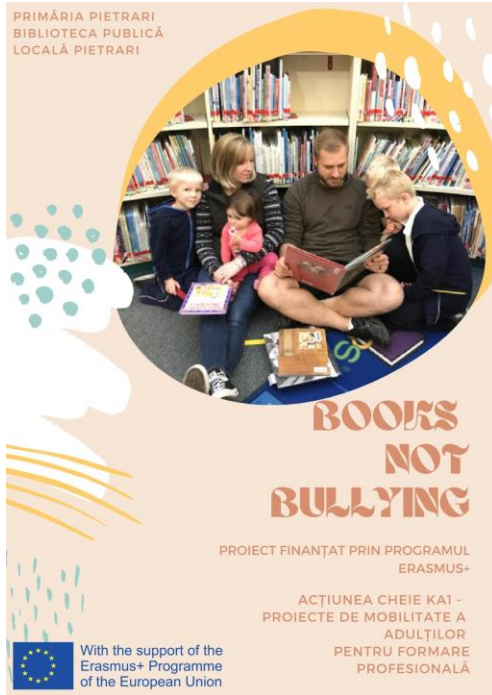


Eco-BiblioTech

A project carried out by librarians from Vâlcea for the future

Besides many other projects...



Zestrea Domnițelor

15.01.2022 - 15.01.2023

Parteneri:
Asociația AIDE : „Ajutăm, integrăm, dezvoltăm și evoluăm”
Vâlcea
Biblioteca Județeană „Antim Ivireanul” Râmnicu Vâlcea
Centrul Județean pentru Conservarea și Promovarea Culturii
Tradiționale Vâlcea

Zestrea Domnițelor

zestrea_domnitelor



**RECOVERING STARTS FROM
KINDERGARTEN**

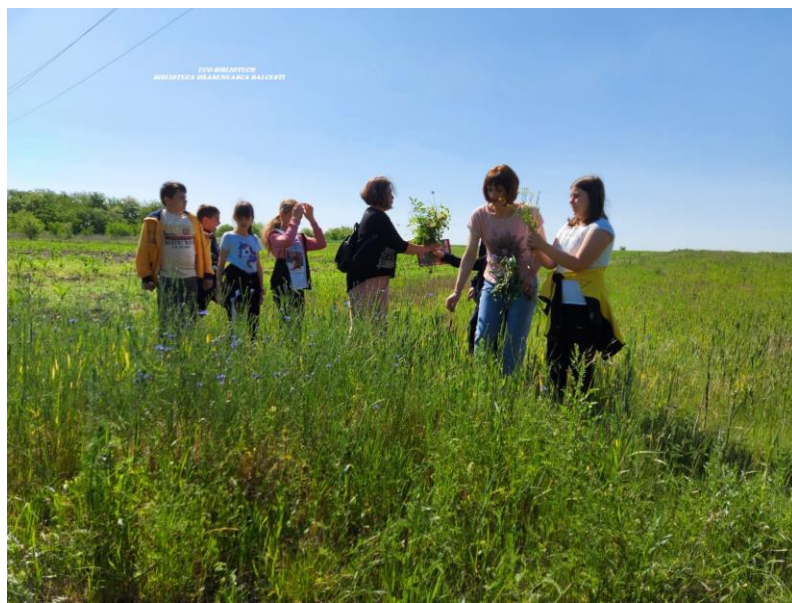
Eco-BiblioTech

- ▶ A project funded following the county competition initiated by Științescu Vâlcea, coordinated and implemented from April to October 2022 by librarians from the towns of Bălcești, Valea Mare, and Frâncești, under the guidance of the Pietrari Library as a mentor.
- ▶ It emerged as a result of the knowledge acquired by the young people from Pietrari through the project „Code Kids - kids code in public libraries”. The youngsters managed to learn how to use new technologies and new modern applications, how to create content and develop their mentoring skills for other children and young people from the locality, the county or even nationally, all of these at the Pietrari Local Library.



Eco-BiblioTech

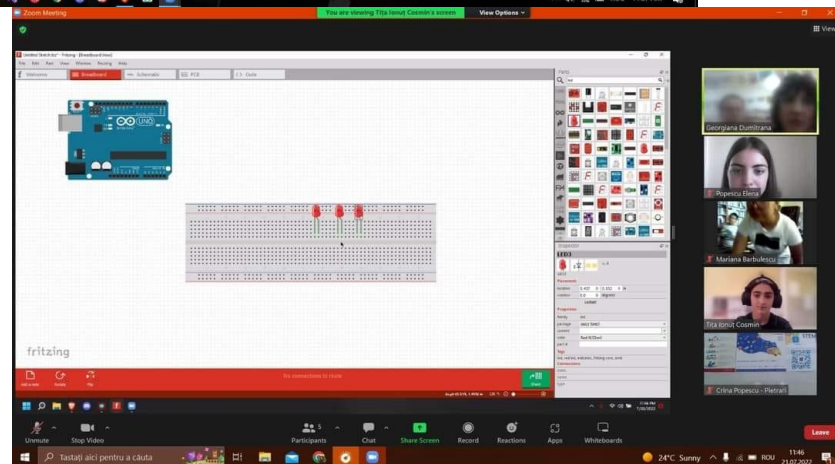
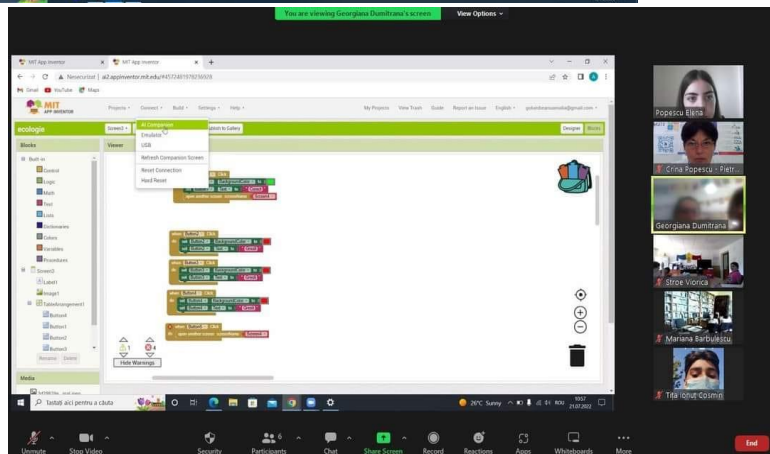
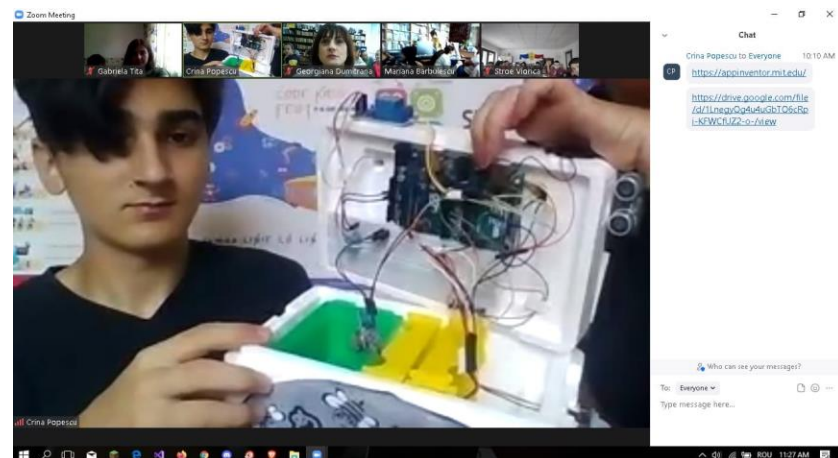
- ▶ The librarians, along with the mentors, volunteers, and involved children, have developed an ecological approach for their libraries and promoted an environmentally friendly mindset within the community, by combining ECOLOGY and STEAM.
- ▶ The main objective of the project was for participants and the community to discover how important the laws of nature and the natural cycles are, as well as how easily irreversible changes can be made through human intervention.



Eco-BiblioTech

How?

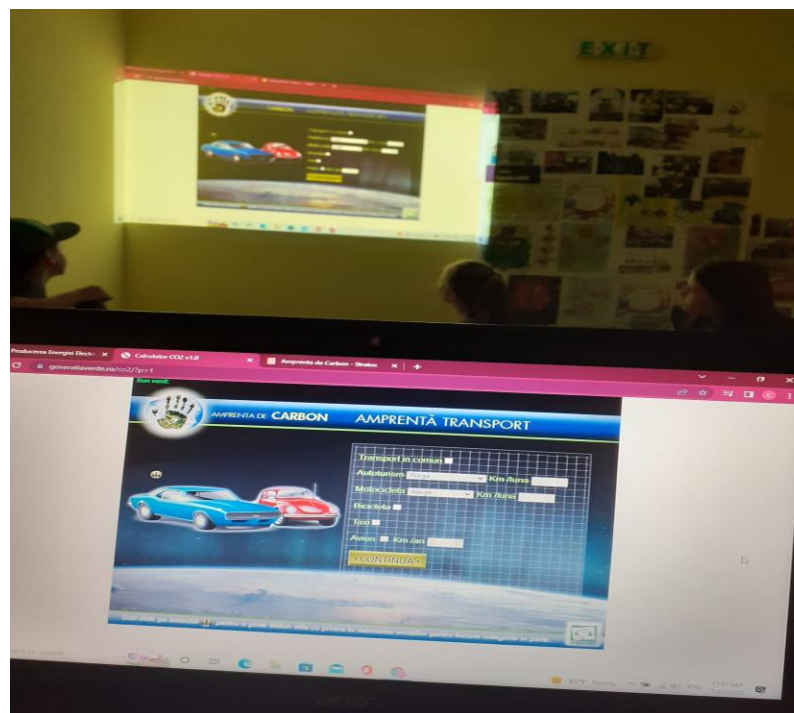
- ▶ By conducting courses on ecological topics for librarians from the towns of Bălcești, Frâncești, and Valea Mare;
- ▶ Through the organization of eco-tech workshops for children and young people that included presentations on ecological topics combined with the usage of modern technologies (ApplInventor, Arduino, Scratch, etc.), along with experiments and scientific projects;
- ▶ By conducting practical activities alongside specialists in ecology and environmental protection;
- ▶ By creating the Green-LIB Guide for the implementation of eco-tech activities in other libraries.



Eco-BiblioTech

The project was implemented with the support of:

- ▶ Kogayon Association - administrator of Buila Vânturarița Park, Vâlcea County;
- ▶ Therapeutic Alley in Nicolae Bălcescu commune, Vâlcea County;
- ▶ Antim Ivireanul Vâlcea County Library;
- ▶ Pietrari Public Library - mentor for the three libraries during the implementation of the project.



Eco-BiblioTech

The chosen topics:

- ▶ General ecology presentation;
 - Practical activity: creating quizzes using the App Inventor application under the guidance of Pietrari Library volunteers.
- ▶ Atmospheric investigations related to air pollution;
 - Experiments: local atmospheric measurements and temperature graph creation; cloud observation, cloud type determination, and their influence by pollution.
- ▶ Investigations related to water pollution;
 - Experiments: the cycle of water in nature / water pollution experiment / rain forming experiment.
- ▶ The importance of biodiversity;
 - Experiments and practical activities: creating mini-gardens in the immediate vicinity of the library, grass seeding;
 - Cultivating hydroponic plants using "My Garden" educational kit;
 - Visiting the "Therapeutic Alley " from Nicolae Bălcescu, Vâlcea County.
- ▶ Reducing food waste and understanding the requirements for food production.
 - Compost recreation using food leftovers that decompose due to the action of forming mushrooms, in order to observe the release of methane gas.
- ▶ Reducing electricity consumption.
 - Experiments: creating an Arduino-programmed traffic light / using an electrical circuit kit.
- ▶ Using renewable energies: creating a hydro-electric turbine project.
- ▶ Analyzing the impact of climate change: visit to Buila Vânturarița Park; ecological activities with park rangers.
- ▶ Using educational kits: "Mega Chemistry Lab," "Through Others' Eyes" glasses, as well as a microscope.



✓ Eco-BiblioTech

4 local libraries were involved

Project results:

- ▶ - 6,035 RON funding from Științescu;
- ▶ - 3,377 RON co-funding from the local budget;
- ▶ - 97 participating students, aged between 6 and 12, from low-income families;
- ▶ - 19 activities were carried out by each of the 4 partner libraries;
- ▶ - 20 volunteers were involved;
- ▶ - 3 research/library field;
- ▶ - 4 photo exhibitions;
- ▶ - 3 Science Fairs organized by libraries at the local level, with over 150 visitors per event;
- ▶ - Equipping libraries with a total of 10 STEAM kits per library;
- ▶ - An 8% increase in library service users;
- ▶ - 1 Green-LIB Guide for the implementation of eco-tech activities in other libraries;
- ▶ - The participation of the 4 local libraries at the first county-level 'Științescu' Science Fair.

- ✓ ECO-BiblioTech - a project of collaboration between libraries.



Eco-BiblioTech

- The Eco-BiblioTech Project - funded by the Științescu Vâlcea Foundation and implemented by the Vâlcea Community Foundation (FCVL), in partnership with the Romanian-American Foundation (RAF) and the Federation of Community Foundations in Romania (FFCR).

Thank you very much!

And don't forget to...



- Presentation made by:
Pietrari Public Library
Member of ANBPR, Braşov branch.