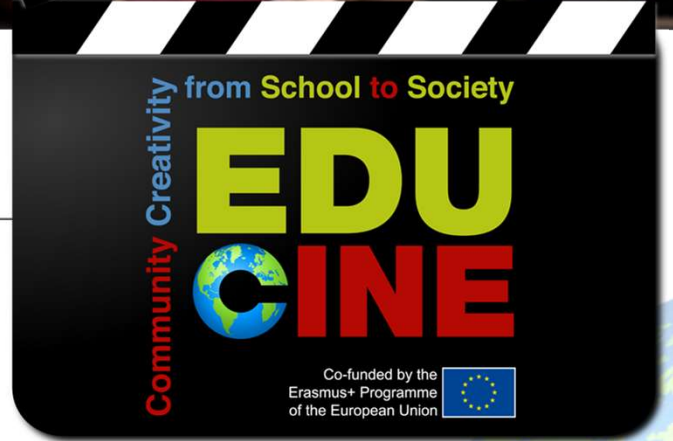




EDUCINEMA CLIMA TOUR ACTION

"Film Literacy for Green Tourism in Climate Action (EDUCinema ClimaTurAction)".
Project Reference:2020-1-ES01-KA227-SCH-096314



**Community creativity:
from school to society**



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF THE ARTS

CONSORTIUM: University of Santiago de Compostela (Project Coordinator, Galicia, Spain) / IES Villa de Firgas (Canary Islands, Spain) / University de Aveiro (Portugal) / IE Giner de los Ríos de Lisboa (Portugal) / XXVI Liceum Ogólnokształcące (Poland) / Alma Mater Studiorum Universita di Bologna (Italy).



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF THE ARTS

ABOUT THE PROJECT

EduCinema ClimaTourAction focuses on film, as an educational and social resource for climate action. It aims at climate literacy of students between 15 and 17 years old, who will create a musical cinema film, integrating scenarios in different countries and contains an e-learning didactic unit. In addition, an e-book on the language of film and an e-book on musical theatre will be produced and laboratory practices will be designed to be carried out on school stands in scientific locations. During the project 3 short-term mobility activities have been carried out.

1. MULTIPLIER EVENTS Lisbon “I Orientation walk for sustainability”

On 27 July, the Giner de los Ríos Institute carried out the last of its dissemination activities within the framework of the Erasmus+ EduCinema Tour Action project. On this occasion, the multiplier event was entitled “I Orientation Walk for Sustainability”. Professionals from the private sector, Portuguese secondary schools and universities were invited.



Orientation walk



The activities carried out during these two and a half years during the project were presented in this activity, as well as promoting environmental awareness and sustainability among the students. The event took place in the Parque do Jamor, where an exciting orienteering course was organized. The activity was developed by IEL students, and to make it attractive, teams were formed to complete the challenge. Each team had the objective of going through the park and overcoming a series of orienteering stations. At each of these stations, the guests were introduced to all the activities developed by our school (laboratory practices to raise awareness of sustainable tourism, short films on climate change and scenes from the film). In addition, there was a phrase related to the environment and sustainability, inviting participants to reflect on the importance of preserving our natural environment.



ORIENTATION WALK

The team that managed to finish the course in the shortest time possible was rewarded with free drinks as an incentive. However, beyond the material prize, the real aim of the activity was to raise awareness and promote action for the environment. Throughout the day, the students demonstrated unconditional support, actively contributing to the organization and development of the activity. Their participation demonstrated the importance of involving young people from an early age in protecting the environment and promoting sustainable practices.

The EduCinema Tour Action project has provided the opportunity to learn about different approaches and solutions to address environmental challenges, as well as to exchange knowledge and experiences with their international peers. The multiplier activity in Parque do Jamor was a resounding success in terms of participation and awareness. Students worked hard to complete the trail and shared ideas on how to lead a more sustainable lifestyle. In addition, cleaning and waste sorting actions were carried out to convey a powerful message about the importance of taking care of our environment. The experience of this multiplier activity and the Erasmus project in general reinforces the idea that education and cultural exchange are fundamental tools for positive change in society and the environment. We congratulate all participants for their commitment and dedication and thank them for their contribution to building a more sustainable future.



WINNING TEAM

Poland.

On Thursday 15 June 2023, Lycée 26 from Łódź, Poland, organised a multiplier event of the Erasmus+ project "EDUCinema ClimaTurAction", which was attended by 137 guests in total. The event was divided into two parts: a morning meeting with some second- and third-year classes of Lycée 26 and an afternoon meeting with guests. The hosts of the event were Julia Szlompek and Maja Zajączkowska, pupils of class 3a, who participated in the three transnational meetings of the project: in Galicia, Lisbon and Gran Canaria. Together with Tomasz Siuta, the project coordinator, they presented the project and its results. They also talked about their trip to Campus Climántica at Fábrica Centro Ciência Viva in Aveiro (Portugal). The authors of the best projects for Campus Climántica showed their videos and then three groups of students, who also participated in the project, presented in detail each transnational meeting, talking about what they did during each trip. Bartosz Wonia from class 3a, director of the video "A future without carbon", which was an integral part of the main film of the project, gave a presentation on how the short film was made.

Galicia.

The University of Santiago de Compostela held the EDUCINEMA ClimaTourAction multiplier event in Concello Outes, filling the auditorium with people from all generations.

There, the IP general coordinator of the project, José Antonio Caride, professor of Social Pedagogy at the USC and director of SEPA-interea, presented the theoretical basis of the project. Then the technical coordinator, Francisco Sónora, also a researcher of the same group, explained the relationship between the film "Cinema Climantopía" and the didactic materials "Climantopía, the schoolbook" and "Citizen science with Climantopía". After these two presentations, the product video and the film were shown. Once the screening of the film was over, a cinema forum was held with the seven protagonists from the non-formal partner centers IES Poeta Añón and IES Virgen del Mar. Finally, as a festive closing of the event, the band Climantopía performed the songs from the soundtrack of the film, which were also part of the repertoire of the musical theatre play, "Climántipía el musical", which was performed at the campus of the two projects held in Aveiro in April and September.



AUDITORIUM



EDUCINEMA TEAM

Canarias.

After two years of hard work and ideas, the project came to an end, and we were able to see the final production- the film. This project, the fruit of the collaboration of several countries under the Erasmus program, has managed to cross borders and unite talents to transmit a powerful message to the whole world.

The release of this film represents a turning point in global awareness of climate change. Through captivating images and moving stories, the production team has managed to capture the urgency and hope to preserve our planet.

The result is an unforgettable cinematic experience that invites us to reflect on our actions and the impact they have on the environment. It is a reminder that, as citizens of the world, we all have a responsibility to protect our common home. This Erasmus project has shown that international collaboration can lead to great achievements.

Teams from different countries, with their diverse cultures and perspectives, came together in harmony to create a work that seeks to inspire all viewers. Leaving the cinema, one cannot help but feel a mixture of emotions: a mixture of concern and hope. But most of all, one leaves with a renewed sense of purpose and a commitment to do one's part in the fight against climate change.

This film is a call to action, a desperate but determined cry to change our course. It is an invitation to unite and work together in building a sustainable future. During this final event, all partners had a moment to present their different points of view on the project, something we appreciate and take the opportunity to put here a brief synthesis of each one.

D. Manuel Pérez Pérez, Director of IES Villa de Firgas:

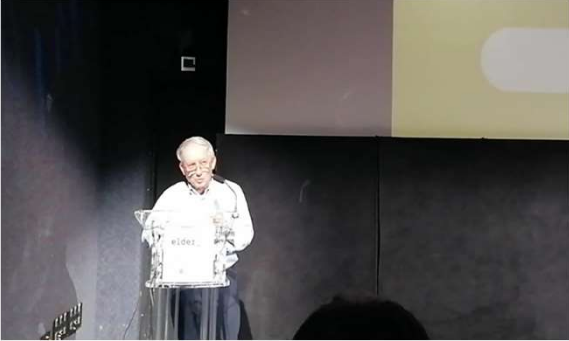
"I would like to start by welcoming here in Gran Canaria the premiere of a film that deals with sustainable tourism and environmental awareness. I would like to take this opportunity to thank students, teachers, coordinator and collaborators for their commitment to the realization of this project for the protection of the environment and the promotion of responsible tourism in the Canary Islands. I would like to stress the importance of reflecting on our relationship with the environment and taking individual and collective responsibility for the preservation of the planet. In conclusion, my sincere hope that the film will inspire change towards a more sustainable world".



IES Villa de Firgas, Director

Mr. José Luis Barba Gutiérrez, Professor of Biology and National Coordinator of the ENO program, due to his inability to attend the event, sent us a short video entitled "ENO, defending the environment collectively" where he explained the activities carried out by the ENO project around the world and whose main objective is reforestation and CO2 reduction as a commitment for students anywhere in the world. Juan Luis Gómez Pinchetti, Dr. in Marine Sciences and director of the Spanish Bank of Algae, who also sent us a video entitled "The Spanish Bank of Algae, a milestone in Europe" where he tells us about the progress that is currently being made in the cultivation of algae here in the Canary Islands.

Dr. José Antonio Caride Gómez, Doctor in Education and Professor at the University of Santiago de Compostela. Lecture: "Collective creativity and community education in the face of the climate emergency".



Dr. José Antonio Caride

Dr. Francisco Sónora Luna, PhD in Education and Associate Professor at the University of Santiago de Compostela. Lecture: "The production of climantopia and its implications for the design of school science and citizen science materials for climate action".

The didactic exploitation of Cinema Climantopía has its main product in the book "Climantopía, the schoolbook" which contains the teaching and learning proposal to be developed in class groups of 15-17-year-olds. For those educational communities that want to train their students to become citizens through climate change science fairs in the context of viewing films in auditoriums, the book "Citizen Science with Climantopia" was created, which contains practices on the didactic contents of the project, with protocols and solutions to the questions, strategies for organising these stands and examples of good practice models in this line.

The first chapter of the schoolbook is entitled "Climate change from the scene of the thermal power plant in Poland". It discusses the evolution of climate change from the historical emergence of coal combustion with the wood-fired crisis, the industrial revolution, the emergence of the internal combustion engine and its implications for the use of oil and the shift to the use of natural gas.

In the Citizen Science book, this content is covered in the practical exercises on greenhouse simulations.

The second chapter of the schoolbook is entitled "Climate change in marine ecosystems from the aquarium scenes". In the context of the Lisbon Penguinarium, the problem of melting ice at the South Pole is introduced, and the A Coruña Aquarium is related to the effects of melting ice at the North Pole, associating these animals as prey for polar bears. Sea level rise, thermal stratification of the oceans, acidification and the effects on biodiversity are addressed. These contents are brought closer to citizen science through simulations of the Arctic and Antarctic models and practices on oceanic stratification.

The third chapter is entitled "Climate change in soil fertility from the scenes of eucalyptus trees and fires in Galicia". It addresses the role of soils and forests as carbon sinks, the proliferation of invasive species and their implications for fertility and fires, the relationship between fires and desertification and climate change, and the potential of ecological management of agriculture and forest resources and their implications for green tourism. For Citizen Science, a practice of erosion effects was extracted with profiles of different slopes with and without vegetation.

The fourth chapter is entitled "Energy transition from the scenes of the Canary Islands wind farm and the Polish chapter". It deals with hydropower, solar thermal and photovoltaic energy, wind energy, geothermal and marine alternative energies, biofuels and the potential of hydrogen as a new vector. These contents are brought to science with the greenhouse effect and its effects on the solar oven.

The fifth is the last chapter and is entitled "Urbanism and tourism in climate action from the scene of the interview with the councillor of Lisbon and the urbanism of Puerto Rico in the Canary Islands". It deals with the relationship between urbanism and climate action, the nature of sustainable urbanism, the Leipzig Charter, Green Cities, Green Capitals and the European Green Leaf.



Ms. Paola Bembrilla, Associate Professor at the Alma Mater University of Bologna. Lecture: "Communicating climate change through film and theatre".

Our role in the project was to provide guidance on the use of film and theatre for sustainability communication. Specifically, we produced two methodological e-books, accompanied by videos showing how to put the main notions into practice.

We presented our work to the other members of the group in July 2022, during the Film Literacy for Educators week in Bologna, Italy. Visiting teachers from project partner institutions came to Bologna from three countries to learn about the essential, creative and practical aspects of theatre making, audiovisual production and distribution, as well as marketing and social media. As participants will recall, last year the Bologna area was hit by a severe heat wave and a severe drought. Last month, the same territory was the victim of a severe flood. We are therefore very proud to have participated in such an important project, which contributes to raising awareness on the issue of sustainability and climate change.



Ms. Paola Bembrilla

Ms. Carmen Marques-Arqueiro, Teacher at Fábrika Centro Ciencia Viva- University of Aveiro. Lecture: "Climate change and science communication, Fábrika's contribution".

At the final congress of the project "Educine ClimaTourAction" we were present at the presentation of the results with the theme of the presentation: "Climate change and communication in science - the contribution of the Factory" which was given by Carmen Marques. In a few minutes it was possible to mention the contribution of the University of Aveiro, through the Fábrika, to this project, as well as to talk about the partnerships established, which were very enriching, focusing also on the work done, as well as the results obtained.

D. Tomasz Siuta, Teacher of English and Spanish at Liceo 26 in Lodz (Poland) and coordinator of the Erasmus + project.

Lyceum number 26 in Lodz is a public high school with more than 70 years of experience. Our participation in the EduCine project has involved 6 teachers and 20 students, enabling them to gain knowledge about sustainable tourism and climate change through the creation of short films. We have travelled to different countries, established educational connections and developed an awareness of the importance of the future of the planet.

Ms. Marina Arévalo González, Professor and Head of the Biology and Geology Department at the Giner de Los Ríos Institute in Lisbon. Lecture: "Experiments on climate change in the classroom and its dissemination among schoolchildren and tourists".

"Our 4ESO students were in charge of designing, carrying out and disseminating the experiments and infographics. The experiments were very simple, as they had to be easily reproducible in any location, but no less impressive for that. As for the dissemination among tourists, we must admit that the place chosen to set up the stands with the experiments, the Pavilhão do Conhecimento, was not entirely appropriate, as it was not a very busy place, and we were not able to record any scenes of interaction with tourists. However, there was a great diffusion among the Primary School students at the Spanish Institute Giner de los Rios, because on the 5th of June, to celebrate the Environment Day, we set up the stands in the school playground and it was a real success".



2. DIDACTICS

DIDACTIC EXPLOITATION OF CINEMA CLIMANTOPIA

The didactic exploitation of Cinema Climantopía has its main product in the book "Climantopía, the schoolbook" which contains the teaching and learning proposal to be developed in class groups of 15-17-year-olds. For those educational communities that want to train their students to become citizens through climate change science fairs in the context of viewing films in auditoriums, the book "Citizen Science with Climantopia" was created, which contains practices on the didactic contents of the project, with protocols and solutions to the questions, strategies for organising these stands and examples of good practice models in this line.

The first chapter of the schoolbook is entitled "Climate change from the scene of the thermal power plant in Poland". It covers the evolution of climate change from the historical emergence of coal combustion with the firewood crisis, the industrial revolution, the emergence of the internal combustion engine, and its implications for the use of oil, and the shift to the use of natural gas. In the Citizen Science book, this content is covered in the practical exercises on greenhouse simulations.

The second chapter of the schoolbook is entitled "Climate change in marine ecosystems from the aquarium scenes". In the contexts of the penguinarium in Lisbon, the problem of melting ice at the South Pole is introduced, and the sealarium in A Coruña is related to the effects of melting ice at the North Pole, associating these animals as prey for polar bears.

Sea level rise, ocean thermal stratification, acidification and effects on biodiversity are addressed. These contents are brought closer to citizen science through simulations of the Arctic and Antarctic models and practice on ocean stratification.

The third chapter is entitled "Climate change in soil fertility from the scenes of eucalyptus trees and fires in Galicia". It addresses the role of soils and forests as carbon sinks, the proliferation of invasive species, and their implications for fertility and fires, the relationship between fires and desertification and climate change, and the potential of ecological management of agriculture and forest resources and their implications for green tourism. For Citizen Science, a practice of erosion effects was extracted with profiles of different slopes with and without vegetation.

The fourth chapter is entitled "Energy transition from the scenes of the Canary Islands wind farm and the Polish chapter". It deals with hydropower, solar thermal and photovoltaic energy, wind energy, geothermal and marine alternative energies, biofuels and the potential of hydrogen as a new vector. These contents are brought to science with the greenhouse effect and its effects on the solar oven.

The fifth is the last chapter and is entitled "Urbanism and tourism in climate action from the scene of the interview with the councillor of Lisbon and the urbanism of Puerto Rico in the Canary Islands". It deals with the relationship between urbanism and climate action, the nature of sustainable urbanism, the Leipzig Charter, Green Cities, Green Capitals and the European Green Leaf.



3. WITH A HUNDRED WORDS... Educating by (re)creating ourselves

José Antonio Caride

University of Santiago de Compostela

Creativity is an intrinsically human gift. It belongs to us and we belong to it with the generosity that characterizes that which gives us more than we can give it: its open horizons, borderless, provocative in words, unpredictable in deeds... it encourages the knowledge and flavors of life, the arts and sciences, teaching and learning, innovation and the democratization of knowledge. We owe much of what we are, as societies to it. We also owe it to education and to the cultures that cultivate it beyond what is possible. EDUCINEMA and CLIMANTOPIA bring witness to this.



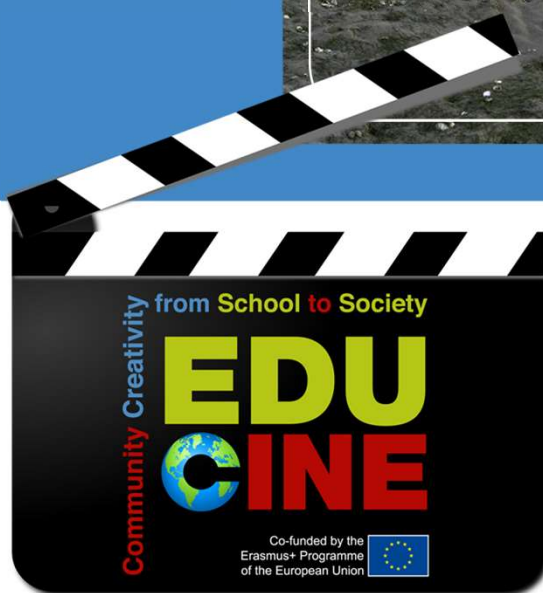
UNIVERSITY SANTIAGO of COMPOSTELA

THE CONSORTIUM: other news

University of Santiago of Compostela

In line with the theme of EduCinema CTA, the University of Santiago of Compostela is a partner in the Erasmus+ “e-InnoEduCO2” Project. This has been the application best valued by SEPIE in the extraordinary call KA226 in the modality of technologies to address pedagogical barriers of COVID19, addressing the study of climate change from the point of view of technology and school science. It also involves the University of Aveiro and the XXVI Liceum Ogólnokształcące.

More information at:
www.innoeduco2.org



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF THE ARTS

“The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein..”

www.educinema-cta.org