



NEWSLETTER 01



PROJECT FUNDED BY THE INTERREG SUDOE PROGRAMME THROUGH THE EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF)



















WELCOME TO CLIMACT

In 2015 nine partners from the SUDOE region proposed the ClimACT project to the Low Carbon Economy priority axis of the Interreg Sudoe programme. We were responding to the European policies and regulations that are fostering a Low Carbon Economy.

According to IPCC "anthropogenic warming and sea level rise would continue for centuries due to the time scales associated with climate processes and feedbacks". Without urgent action, temperatures could rise much faster, resulting in serious impacts worldwide such as increased extreme natural events and increased vulnerability of industries, settlements and societies. The biggest cause of climate change is our excessive consumption of energy, and our reliance on fossil fuel leading to CO2 emissions. Huge reductions need to be made to these emissions to limit the potentially catastrophic impacts of climate change.

ClimACT project aims to promote the transition to a Low Carbon Economy in schools by incorporating complementary approaches such as energy efficiency, sustainable transportation, green procurement, resources conservation and behavioral change. The main novelty that incorporates this project is the global approach considering a collaboration framework with scientific, technology and business initiatives, the development of innovative and integrated decision support tools, the design of new business models and management strategies for schools and the development of holistic, comprehensive and technology-assisted educational platform for active learning.

The ClimACT team has been working since July 2016. We invite you to follow us through our website www.climact.net and facebook www.facebook.com/ClimACTSUDOE/.



WHAT IS CLIMACT?

ClimACT is developing a holistic approach to support the transition to a low carbon economy in schools.

THERE IS A SHORT KNOWLEDGE ABOUT ENERGY AND ENVIRONMENT PER-FORMANCE FROM SCHOOLS

ClimACT project is performing audits in 39 pilot schools focusing on energy and water consumption, indoor air quality, waste management, mobility, green spaces and green procurement.

EDUCATIONAL SECTOR' BUILDINGS CONSUME A SIGNIFICANT AMOUNT OF THE TOTAL ENERGY CONSUMED ACROSS EUROPE

ClimACT is developing tools for schools that can play a great role in monitoring and optimizing consumptions and in advising on the costs and benefits of energy efficient investments. The development of methodologies that internalize the environment, safety and health costs, along schools whole life cycle, will allow the identification of the most sustainable solutions for schools.

MANY ENERGY EFFICIENCY INVESTMENTS PAY FOR THEMSELVES QUICKLY BUT ARE NOT REALIZED IN SCHOOLS DUE TO THE TIGHT BUDGET, LACK OF INFORMATION ABOUT NATIONAL AND EUROPEAN FINANCIAL SUPPORT MECHANISMS AND REGULATORY BARRIERS

ClimACT is working on the application of new business models in schools that can ensure cost-efficiency and significantly reduced payback periods for Energy Service Companies and Energy Performance Contracts projects, allowing the creation of an environment friendly business that facilitates private investments in schools.

EDUCATIONAL SECTOR HAS AN ENORMOUS RAISE AWARENESS POTENTIAL

ClimACT is empowering pupils with knowledge about climate change and sustainable energy to ensure they grow up knowing how to protect the environment with cemented robust energy-aware behaviors that can pave the way towards a sustainable future and to ensure the realization of the critical future EU targets.



Develop decision support tools

Develop decision support tools that will access and identify sustainable solutions for schools, based on intelligent resource management, renewable energy and behavior change



Generate new business models

Generate new business models and new management strategies for schools



Create educational tools

Create educational tools to raise awareness in lowcarbon, assisted by information and communication technologies



Establish a thematic network

Establish a thematic network in the SUDOE region, driven by a Living Lab methodology, which will raise awareness and training and will foster a communication framework between end-users and stakeholders

WHO'S PART OF CLIMACT?

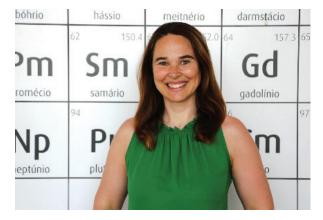
ClimACT project joined four European regions – Portugal, Spain, France and Gibraltar - composing a consortium of 9 partners.

- O Instituto Superior Técnico (IST), Portugal LEAD PARTNER
- O Associação Bandeira Azul da Europa (ABAE), Portugal
- O Instituto de Soldadura e Qualidade (ISQ), Portugal
- O EdiGreen, Portugal
- O Universidad de Sevilla (USE), Spain
- O Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT), Spain
- O University La Rochelle (ULR), France
- O Mairie de La Rochelle (VLR), France
- O University of Gibraltar (UniGib), United Kingdom



MEET THE TEAM

Each newsletter features profiles of collaborators from our five partner organizations.



MARTA ALMEIDA ClimACT coordinator Portugal

Marta Almeida is Researcher at Centre for Nuclear Sciences and Technologies – Instituto Superior Técnico and focuses her research on the integration of air quality, climate changes and health in urban systems.

"Climate change is a threat to human societies and natural ecosystems. Improving basic education, climate literacy, and public understanding of the dimensions of climate change are vital to public engagement and support for climate action. ClimACT project is more than a technical project, it aims to involve the entire school community in the transition to a low carbon economy."



RICARDO CHACARTEGUI ClimACT WP3 leader Spain

Ricardo Chacartegui is professor at the Energy Engineering of the University of Seville, Spain. Over the last 19 years, he has dedicated his research to thermal energy systems: analysis, development, design and optimization always focused on sustainability. He leads a team composed by energy engineers, mechanical engineers, architects, physicist, and chemists. Their research line linked to ClimAct project is related to the development of tools to model performance of the buildings as well as the implementation of a methodology conducting to a low carbon economy in the schools.

"Education in Sustainability is one of the best investments that a mature society can done for the future. School buildings are not only one of the most extended public buildings but also the place where students can learn from small actions and conducts. The studies and solutions analyzed within ClimAct will allow a better understanding of different actions for sustainability in school buildings within the Sudoe area. They will provide to the school managers and to scholar community new tools for their decisions and monitoring of their schools."

CLIMACT IN ACTION!

CLIMACT LIVING LAB



ClimACT project established a complete awareness and communication framework with schools and stakeholders, either involved in or affected by the project. To this end, the Living Lab methodology employed in ClimACT involves end-users from the very beginning of a new idea, creating the motivation to share and discuss their experiences and requirements. This collaborative environment where all the stakeholders, relevant to the project, co-create the solutions leads to a natural acceptance by the users who will be empowered not only to test, evaluate and report their own experience with the ClimACT framework, but mainly to live with it and smoothly accept and incorporate the project framework in their everyday lives. Until now more than 100 people participated in the ClimACT forums of discussion.

LOW CARBON COMMITTEE



ClimACT implemented a low carbon structure in the ClimACT pilot schools composed by a low carbon coordinator, committee and brigade.

The Low Carbon Committee is the project's driving force and will ensure future activities' implementation. This committee discusses the annual workplan, monitor and evaluate the activities, and announce actions in the community. It includes representatives of the students, teachers, non-teaching staff, parents, municipality's representatives and from other sectors that school understand convenient

CLIMACT AUDITS



ClimACT audits the environmental and energy performance in the 39 ClimACT pilot schools, identifying improvement measures and evaluating their economic and environmental impacts.

CLIMACT AWARENESS



ClimACT has already involved 6000 people in awareness raising activities and 850 stakeholders in meetings, seminars and focus group discussions.

CLIMACT PLATFORMS

BENCHMARKING RESOURCE MATCHING

ClimACT is developing three platforms which will ensure

EDUCATIONAL PLATFORM

- Benchmarking Platform
- Resource Matching Platform

the project continuation after its end:

– Educational Platform

These platforms will allow the continuous interaction of schools, stakeholders and awareness of the general/target public.

CLIMACT AT REGIOSTARS 2018



ClimACT project is a finalist at the category "Achieving sustainability throught low carbon emission" of the awards. #Regiostars #Euroregionsweek @europe in my region. More information in www.climact.net

CLIMACT AWARDED



Seven ClimACT partners were award by their work on low carbon solutions:

Spain - ClimACT stakeholder: La Sociedad Andaluza para la divulgatión de la ciencia. Prize for Merit in Education in the Autonomous Community of Andalusia given by regional government-Council of Education Board of Andalusia (2017).

France – ClimACT high School Rompsay: first level of the E3D label from the French Ministry of Education, national label rewards (2017). Portugal – ClimACT school ESTeSL: Honorable Mention in the contest "National Best Reports of Young Reporters of the environment", at the category "photoreports" by the Associação Bandeira Azul da Europa (2017).

Portugal – ClimACT students Beatriz Luz, Hugo Silva and Sofia Coelho from ESTeSL: 1st Place winner of the Wrigley litter less campaign, National Award 2017, at the category "video campaign".

Portugal – ClimACT Primary school Prior Velho: 1st Place in the contest "Separa e Ganha" at the category "Plastic waste" promoted by Valorsul (2017/2018).

Portugal – ClimACT school General Humberto Delgado: 1st Place in the "Separa e Ganha" at the category "Paper waste" promoted by Valorsul (2017/2018).

Portugal – ClimACT professor Vítor Manteigas: Award for recognition of activities with relevance in the community given by Instituto Politécnico de Lisboa (2018).



KEEP IN TOUCH

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TWITTER HTTPS://TWITTER.COM/CLIMACT_SUDOE
INSTAGRAM WWW.INSTAGRAM.COM/CLIMACT/
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