



ClimACT

NEWSLETTER #6



WELCOME TO THE CLIMACT WORLD !

ClimACT is developing a holistic approach to support the transition to a low carbon economy in schools, with 4 main objectives:

GENERATE NEW BUSINESS MODELS

Generate new business models and new management strategies for schools

DEVELOP A DECISION SUPPORT TOOL

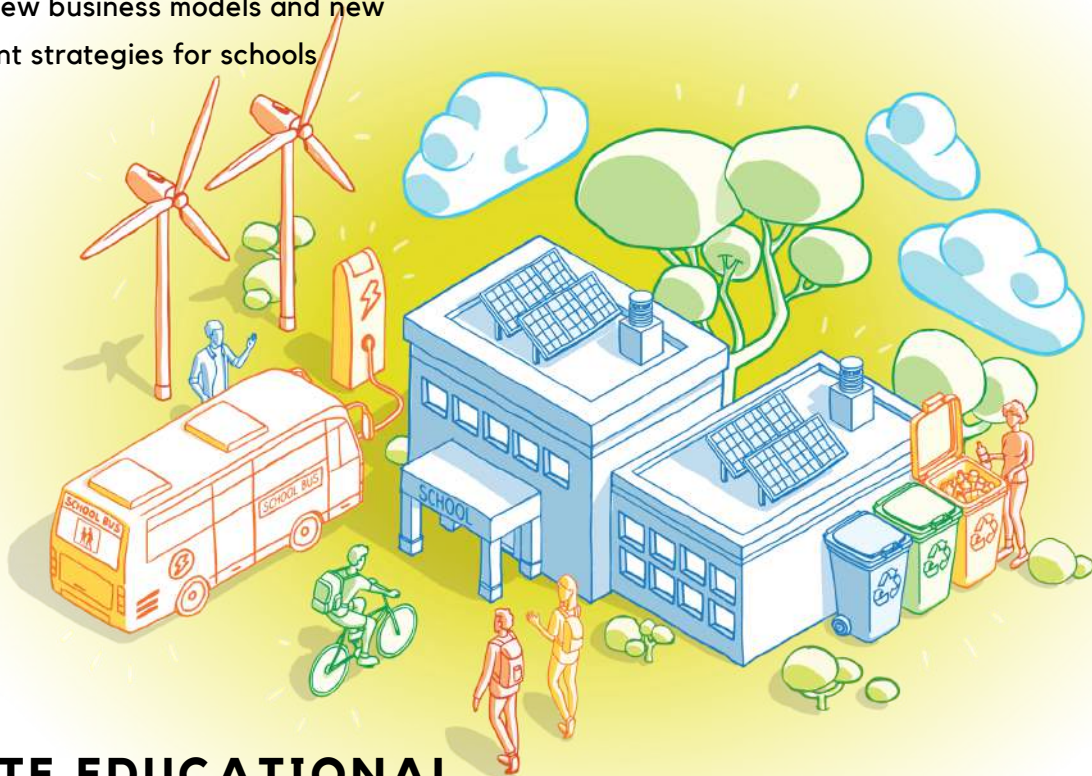
Develop a decision support tools to access and to identify sustainable solutions for schools, based on intelligent resource management, renewable energy and behavior change

CREATE EDUCATIONAL TOOLS

Create educational tools to raise awareness in low-carbon, 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 raise awareness and training and foster a communication framework between end-users and stakeholders



CLIMACT INNOVATIVE BUSINESS MODELS

The ClimACT project aim to enter into the ESCO (Energy Service Company) market by rethinking some of the traditional ESCO business models, adapting them to the reality that is the scholar sector and defining some innovative features that appeal to the ESCO customer, in order to boost the market potential.

The most common contract used by ESCOs is the Energy Performance Contract. This contract has several variations but commonly is a type of contract where the ESCO evaluates

and implements energy conservation measures that provide an attractive return-of-investment. Clients use part of the savings obtained from the measures applied to pay the ESCO.

This type of contract can be seen as a win-win situation because ESCOs will make a profit but clients will be able to save money from the first day after the implementation of Energy Conservation Measures (ECMs), and do not need to have the financial means to do an upfront investment in energy efficiency solutions.



WHAT IS THE INNOVATION IN CLIMACT BUSINESS MODELS?

1

ClimACT business models include health and comfort parameters, which are related with the satisfaction and confidence of the client in these business models.

3

The ClimACT model proposes the use of school comparison system that will allow schools to assess their current efficiency status compared with other schools and possibly develop a healthy competition that translates into an added effort to use energy efficiency strategies.

5

The ClimACT project developed the ClimACT Resource-Matching Platform.

2

ClimACT Business models based on low/no cost Energy Conservation Measures, such as energy management or maintenance actions. Schools were seen as a good target for these type of measures because during the audits it was identified that behaviours and lack of maintenance have a high impact on schools' energy consumption.

4

ClimACT Business models consider occupants' raising awareness as a tool for energy savings. They pretend to deploy an energy management framework but with the innovative feature of including a gamification framework that will help building occupants to understand and learn about the building energy systems and how their behaviours can affect the energy consumption.

CLIMACT RESOURCE MATCHING PLATFORM

The ClimACT Resource-Matching Platform is an online tool that aims to facilitate the access to financial resources and know-how for the implementation of energy conservation measures and installation of renewable energy sources.

The platform will provide a means of contact between multiple ESCOs and schools owners/managers, which should promote the market competitiveness and benefit the client with a better contract. The main benefits of this platform for ESCOs are the promotion of these type of market, which is still unknown or seen with distrust by many buildings managers

or owners, and the opportunity to use the platform as a tool to discover new potential clients. ClimACT Resource-Matching platform will allow schools to insert details about their building and evaluate the potential based on a few characteristics. After, ESCOs may submit proposals for each project, that will be automatically ranked based on technical and financial characteristics of the proposal. The client can then use the ranked list of proposals to choose the proposal that better fits their needs.

CLIMACT 1ST PLACE AWARD

EU SUSTAINABLE ENERGY AWARD 2019



WHAT ARE THE EU SEW AWARDS?

The European Union's energy policies aim to ensure that European citizens can access secure, affordable and sustainable energy supplies. The EU Sustainable Energy Awards (EUSEW Awards) acknowledge the crucial role of the private and public sector, NGOs, national and local authorities for a climate-neutral Europe. Every year the European Commission recognises the most outstanding initiatives in the energy sector.

EU SEW 19 CATEGORIES' AWARD

The EU Sustainable Energy Awards' competition recognised the year's top sustainable energy projects in the categories of Engagement, Leadership, Innovation and Youth. ClimACT project was a finalist at the category YOUTH.

CLIMACT WON THE JURY AWARD FOR THE YOUTH CATEGORY!

It was a pleasure for Marta Almeida and Joana Lage to receive, in Brussels, the jury's award of Winners at the Youth Category of the EU Sustainable Energy Awards.

This prize is dedicated to all who actively and continuously contributes to the project: schools, students, teachers, partners, Interreg Sudoe Programme, and others related.

This award is an important recognition of the developed work in the project and its importance to the society!

The ClimACT team thanks to all who always follow and believe in the project. A special thanks to the Portuguese School EB2,3 Mário Sá Carneiro who kindly received us and participated with enthusiasm in the video of the contest.

CLIMACT PROJECT IMPACT

15000

**Students
involved**

39

SCHOOLS

from PT, SP, FR, and GIB



The ClimACT project had an huge impact in the SUDOE society! Many different developed actions, awards and the high commitment of schools, institutions and stakeholders transmited the importance of the ClimACT work.

CLIMACT IMPACT



4 countries (PT,SP, FR, GB)



9 partners



19 Advisory board institutions



41 Associated partners



10 Municipalities



39 managers



39 schools made aware



15000 students involved



87 Awareness campaigns for students
14500 students involved



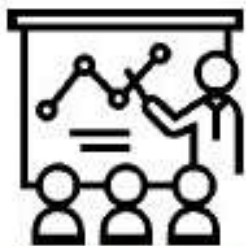
62 Training Course on the ClimACT educational tools
1461 teachers involved



336 participants in ClimACT E-learning course on Sustainable Development



6 training courses on the ClimACT Decision Support Tool



Seminars on business models for ESCOs



52 persons made aware about business models for ESCOs



3 ClimACT platforms



1 solid network (1435 participants)



6 technical meetings



31 Participation in Scientific Conferences



1 web portal



92 news about ClimACT

CLIMACT PROJECT IMPACT

ONE

FINAL EVENT

1 event, 2 days, 4 countries, 39 ClimACT schools represented, 1 seminar, and many activities.

THREE

EUROPEAN AWARDS NOMINATIONS

Finalist at RegioStars Awards 2019
Finalist and 2nd place winner of the Interact programme award "6 Projects, 1 Slam",
Finalist and 1st place winner at the Youth category of the EU Sustainable Energy Awards 2019

SEVEN

SOCIAL NETWORKS

Webpage, Instagram, Facebook, Twitter, ResearchGate, LinkedIn, Vimeo, Youtube channel, more than 1435 followers

ONE

HUGE CLIMACT FAMILY



CLIMACT TEAM



JOANA LAGE
INSITUTO SUPERIOR TÉCNICO, PT

PhD in Environmental Sciences
Post-Doctoral Researcher at Instituto Superior Técnico
University of Lisbon & University Professor

In ClimACT: Communication Manager of the project. Responsible for technical activities related to technical audits in the environmental sectors, including indoor air quality campaigns in schools. Responsible for communication, dissemination and diffusion of project and results, awareness campaigns, deliverable conception, and other management and technical activities led and coordinated by Instituto Superior Técnico.



JESUS LIZANA
UNIVERSIDAD DE SEVILLE, SP

PhD Candidate in Low-Carbon Buildings, at
Department of Building Construction, University of
Seville

In ClimACT: Coordinator of the work package 3 of ClimACT project, on the implementation of a methodology towards a low-carbon economy in schools. Responsible for pilot schools from Andalusia. Development of technical audits and on-site measurements in schools. Development, analysis, and validation of a portfolio of advanced low-carbon solutions for schools.



JOSE A. BECERRA
UNIVERSIDAD DE SEVILLE, SP

Ph.D. in Industrial Engineering, Associated Professor in
Energy Engineering Department, University of Seville
Officer of University of Gibraltar

In ClimACT: Coordinator of the work package 3 of ClimACT project, on the implementation of a methodology towards a low-carbon economy in schools. Responsible for pilot schools from Andalusia. Development of technical audits and on-site measurements in schools. Development, analysis, and validation of a portfolio of advanced low-carbon solutions for schools.



RICARDO RATO
INSTITUTO DA SOLDADURA E QUALIDADE, PT

MSc Energy - Mechanical Engineering
Head of R&D and Innovation at Instituto da Soldadura e
Qualidade

In ClimACT: ISQ's project manager for ClimACT, managing deadlines and tasks related to ISQ and providing feedback and assessing the quality of deliverables and products developed by ISQ. Leader of WP1, coordinating the developments with the Project Coordinator and partners working in WP1.

CLIMACT TEAM



FILIPE SILVA
INSTITUTO DA SOLDADURA E QUALIDADE, PT

MSc Energy and Environmental Engineering
R&D Focal Point at Integrated Engineering
Solutions in Instituto da Soldadura e Qualidade

In ClimACT: responsible for completing tasks and products coordinated or with the contribution of ISQ and to coordinate with the Project Manager, Ricardo Rato, for the preparation of project reports and for the review and improvement of deliverables and products.



JOSÉ L. ALEXANDRE
EDIGREEN, PT

Mechanical Engineering
Mechanical Engineer at EDIGREEN & Assistant
Professor at University of Porto.

In ClimACT: Responsible for the development of the ClimACT Decision support tool, ClimACT Benchmarking platform, including KPI generator and Building scenarios Modules



KARLA GONÇALVES
EDIGREEN, PT

PhD Energy Management
Mechanical Engineer at EDIGREEN & Invited
assistant at University of Porto.

In ClimACT: Responsible for the development of the ClimACT Decision support tool, ClimACT Benchmarking platform, including KPI generator and Building scenarios Modules



PATRICE BLONDEAU
LA ROCHELLE UNIVERSITY, FRANCE

PhD in Civil Engineering Associate professor at La Rochelle University

In ClimACT: Collaboration in ClimACT tools and audits, making sure that the performance indicators, input data and assessment methods are reliable for all schools of the SUDOE region. Responsible for local communication with the representatives of the pilot schools so that they get involved in the project and initiate as many actions as possible with the environmental themes addressed



KEEP IN TOUCH

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www.instagram.com/climact/

Twitter:

https://twitter.com/ClimACT_SUDOE
Instagram

www.instagram.com/climact/

ResearchGate:

www.researchgate.net/project/Interreg-Sudoe-ClimACT

LinkedIn

www.linkedin.com/groups/12013151

Youtube channel:

ClimACT Interreg Sudoe

<https://www.youtube.com/channel/UCMZDAglf3Lmpj9pHflbjndA>

WWW.CLIMACT.NET

