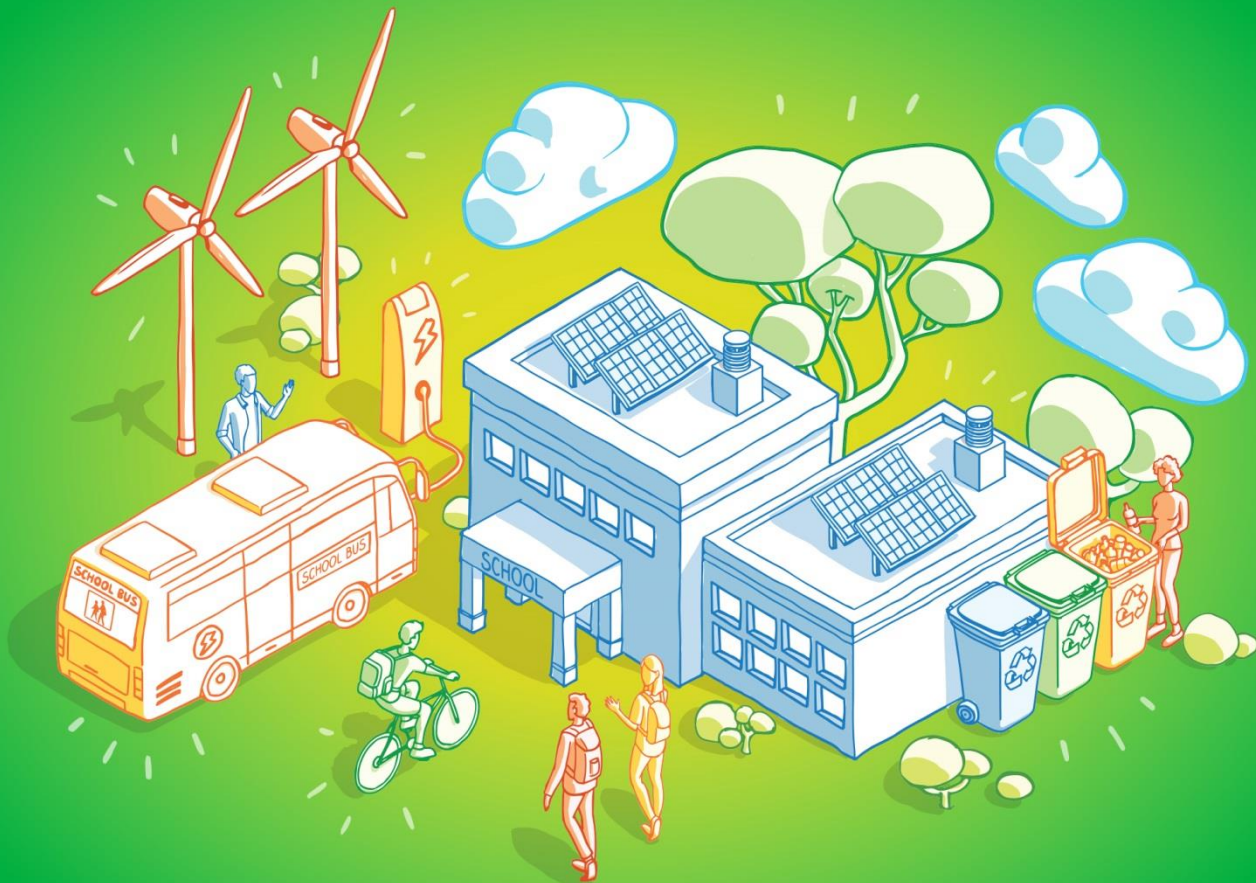




ClimACT



CLIMACT - ACTING FOR THE TRANSITION TO A LOW CARBON ECONOMY
IN SCHOOLS – DEVELOPMENT OF SUPPORT TOOLS

E 1.3.2 Report of the Networking Activities

June 2019

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EXECUTIVE SUMMARY

This deliverable is part of the Activity 1.3 'Networking with other projects and platforms' and contributes towards the objectives of the Activity 1.3 and the products of the WP1. It builds on E1.3.1 by including the most relevant networking activities conducted by partners and represents the final stage of the Activity 1.3.

The deliverable includes the following sections:

- Executive summary;
- Introduction of the context of the whole project and the explanation of where this deliverable fits in the project structure;
- A summary of projects and initiatives included in E1.3.1 'Inventory of results of other projects and platforms';
- Detailed project fiches grouped by theme: Educational Tools; Energy, resources and management; Indoor Air Quality; Life Cycle Assessment; Sustainable development;
- Summary of the most relevant networking activities conducted by the partners for ClimACT.

1 INTRODUCTION

The ClimACT E1.3.2 ‘Report of the Networking Activities’ is an internal document of the ClimACT project, delivered in the context of WP1 – Development of a thematic networking in SUDOE.

This deliverable is a compilation of projects and initiatives that contribute towards the objectives of the Activity 1.3 and the products of the WP1.

The Activity 1.3 establishes a network with other relevant projects and platforms working on the same topic as ClimACT, in order to capitalise on the results of previous and ongoing works and to establish synergies with other working groups. In addition, WP1 considers a broader framework through the establishment of the ClimACT Gateway for which the outputs of the Activity 1.3 are of high importance.

The Deliverable E 1.3.1 ‘Inventory of Results of other Projects and Platforms’, submitted in the first report, set the foundations for future network activities, which was mainly to develop a database of projects and platforms. As such, the deliverable included a non-restrictive list of potential projects and initiatives with which ClimACT could engage. This deliverable also fed into the Focus Groups in Task 1.2 and served as a basis to extend invitations to participate in ClimACT seminars and workshops.

Each partner provided a list of relevant projects around the topics of educational tools; energy, resources and management; indoor air quality; life cycle assessment and sustainable development. The aim was to engage those projects in the ClimACT Gateway and establish connections in order to accelerate collaborative knowledge generation and the capitalisation on the project’s results.

Therefore, the current Deliverable E 1.3.2 ‘Report of the Networking Activities’, builds on the content provided in E 1.3.1 ‘Inventory of the Results of other Projects and Platforms’ and complements it with a summary of the most relevant networking activities. Thus, Deliverable E 1.3.2 has to be considered as a follow-up document of the Deliverable E1.3.1, both together provide a comprehensive insight of the networking activities carried out in ClimACT within the Activity 1.3 ‘Networking with other projects and platforms’.

2 SUMMARY OF PROJECTS AND INITIATIVES

2.1 Rationale

In order to contribute to the core objectives of the SUDOE programme, i.e. provision of harmonised solutions to tackle common problems affecting the region, facilitating connections amongst the stakeholders is essential.

The capacity to collaborate, exchange ideas and interact in a relaxed but professional manner is key to ensure that research results not only reach the ground, but also capitalise on previous work. Networking is a way forward if the SUDOE programme aims to benefit from the resources, especially public funding, that have been invested to support energy efficiency in public buildings and sustainable development.

The Deliverable 1.3.2 has been produced following those SUDOE principles for which each partner contributed with a list of initiatives they identified as relevant in their respective areas of expertise. Projects and initiatives were linked to a theme in view of facilitating the later engagement in project activities and participation in the ClimACT Gateway.

As such, the projects were grouped under the following topic:

- Educational Tools (including gamming approaches)
- Energy, resources and management (including energy efficiency/management, energy performance contract business models and cost benefit analysis)
- Indoor Air Quality
- Life Cycle Assessment
- Sustainable development (including mobility, local/municipal/regional initiatives and green procurement)

2.2 List of projects and initiatives

More than a hundred relevant initiatives were identified, which served as the basis for this deliverable. However, the list was never comprehensive and therefore this deliverable has to be understood as a living document that kept open to additions along the lifespan of the project.

Many of the identified projects have crosscutting interests and may apply to more than one topic. However, for the purpose of this deliverable, they have been listed under the most prevalent theme. The summary list is included below and details of each project are presented in Section 3.

Table 1. List of European projects and initiatives with potential to engage in ClimACT activities

No	Acronym	Country	Theme
1	ENGAGE	United Kingdom	Educational Tools
2	IRRESISTIBLE	Netherlands	Educational Tools
3	PARRISE	Netherlands	Educational Tools
4	SiS Catalyst	Austria	Educational Tools
5	Ark of Inquiry	Estonia	Educational Tools
6	Serpente Papa-Léguas – Jogo da Mobilidade	Portugal	Educational Tools
7	Tutor de Energia	Portugal	Educational Tools
8	Sustainable Schools Project	USA	Educational Tools
9	COM-U - Communicating environmental actions to children and youth	Sweden	Educational Tools
10	TESSI – Teaching Sustainability across Slovenia and Italy	n/a	Educational Tools
11	asbl Empreintes	Belgium	Educational Tools
12	Zero Watt School Challenge	Belgium	Educational Tools
13	Relais Nature	France	Educational Tools
14	Kids' Corner		Educational Tools
15	FEEDU	Belgium	Educational Tools
16	Energia Fantasma	Portugal	Educational Tools
17	O Clima é Connosco	Portugal	Educational Tools
18	FLEX4GRID	Finland	Energy, resources and management
19	FLEXICIENCY	Finland	Energy, resources and management
20	EMPOWER	Norway	Energy, resources and management
21	FLEXMETER	Italy	Energy, resources and management
22	MARIE project. Mediterranean Building rethinking for energy efficiency improvement	Spain	Energy, resources and management
23	Project: Energy Efficient Schools (Escolas Energeticamente Eficientes, 3Es)	Portugal	Energy, resources and management
24	(Re)programa project	Spain	Energy, resources and management

No	Acronym	Country	Theme
25	Research group TEP 130: Arquitectura, Patrimonio y Sostenibilidad	Spain	Energy, resources and management
26	ECO-AP - Programa de Eficiência Energética na Administração Pública	Portugal	Energy, resources and management
27	Plano Nacional de Ação para a Eficiência Energética (PNAEE)	Portugal	Energy, resources and management
28	Request2Action	Portugal	Energy, resources and management
29	ManagEnergy	n/a	Energy, resources and management
30	Cit'ergie	France	Energy, resources and management
31	Défi Famille à Energie Positive	France	Energy, resources and management
32	MOEEBIUS	Spain	Energy, resources and management
33	RESSEEPE	United Kingdom	Energy, resources and management
34	HIT2GAP	Poland	Energy, resources and management
35	EnPC-INTRANS	Germany	Energy, resources and management
36	CITYnvest	Germany	Energy, resources and management
37	EPC_PLUS	Greece	Energy, resources and management
38	TOPAs	Israel	Energy, resources and management
39	AMBASSADOR	France	Energy, resources and management
40	QUANTUM	Germany	Energy, resources and management
41	ee-WISE	Spain	Energy, resources and management
42	EeB-CA2	France	Energy, resources and management
43	PUBLENEF	The Netherlands	Energy, resources and management
44	iSERVcmb	United Kingdom	Energy, resources and management
45	harmonAC	United Kingdom	Energy, resources and management
46	AudiTAC	France	Energy, resources and management
47	Renew Schools	Austria	Energy, resources and management
48	Active Learning	Norway	Energy, resources and management
49	Ecocasa	Portugal	Energy, resources and management

No	Acronym	Country	Theme
50	Energy Off	Portugal	Energy, resources and management
51	PURGE project	United Kingdom	Indoor Air Quality
52	INSULAtE-project	Finland	Indoor Air Quality
53	ARIA Project	Portugal	Indoor Air Quality
54	School ventilation, cooling and education in high performance renovated school buildings	Austria	Indoor Air Quality
55	Indoor Air Program	Oklahoma, USA	Indoor Air Quality
56	Thesis: Thermal comfort and energy efficiency in air-conditioned spaces with high internal loads: application to non-university educational spaces in Andalusia	Spain	Indoor Air Quality
57	Book: Edificios saludables para trabajadores sanos: calidad de ambientes interiores.	Spain	Indoor Air Quality
58	INDEX-AIR	Portugal	Indoor Air Quality
59	SINPHONIE	Hungary	Indoor Air Quality
60	ISIAQ: International Society of Indoor Air Quality and Climate	n/a	Indoor Air Quality
61	French national Observatory of Indoor Air Quality (OQAI)	France	Indoor Air Quality
62	Ecol'Air	France	Indoor Air Quality
63	Incitair	France	Indoor Air Quality
64	Impactair	France	Indoor Air Quality
65	BIBA	Belgium	Indoor Air Quality
66	Tools for Schools Action Kit for Canadian Schools	Canada	Indoor Air Quality
67	IAQ Tools for Schools Action Kit (USA)	USA	Indoor Air Quality
68	ABCD'Air	Belgium	Indoor Air Quality
69	ECO-SEE	United Kingdom	Indoor Air Quality
70	AIRLOG	Spain	Indoor Air Quality
71	INTASENSE	United Kingdom	Indoor Air Quality
72	airlog	Spain	Indoor Air Quality
73	AIVC		Indoor Air Quality

No	Acronym	Country	Theme
74	EnerBuiLCA	Spain	Life Cycle Assessment
75	URBILCA	Spain	Life Cycle Assessment
76	NEEDs	Italy	Life Cycle Assessment
77	Officair	Greece	Life Cycle Assessment
78	UE4SD	United Kingdom	Sustainable development
79	Low Carbon Scotland: Public Engagement Strategy	United Kingdom	Sustainable development
80	EU SMARTCITIES		Sustainable development
81	PROSO	Germany	Sustainable development
82	ENGAGE2020	Denmark	Sustainable development
83	CIVITAS - Cleaner and better transport in cities	The Netherlands	Sustainable development
84	CiclAndo - Plano Nacional de Promoção da Bicicleta e Outros Modos Suaves	Portugal	Sustainable development
85	Projeto U-Bike Portugal	Portugal	Sustainable development
86	Projecto Mobilidade Sustentável	Portugal	Sustainable development
87	Programa de Demonstração da Mobilidade Elétrica	Portugal	Sustainable development
88	Sustainable Travel Accreditation and Recognition for Schools (STARS)	United Kingdom	Sustainable development
89	AquaPath	Italy	Sustainable development
90	EPOMM - European platform on mobility management		Sustainable development
91	DEEP Project		Sustainable development
92	ICLEI - Local Governments for Sustainability		Sustainable development
93	Green Clean Schools	USA	Sustainable development
94	EWRR - European Week for Waste Reduction		Sustainable development
95	ZEROWASTE PRO	Greece	Sustainable development
96	LANDCAREMED Project	Italy	Sustainable development
97	CHPS (Collaborative for High Performance Schools)		Sustainable development
98	RADDAR	France	Sustainable development

No	Acronym	Country	Theme
99	Plan Zéro déchet, zéro gaspillage	France	Sustainable development
100	Ambassadeur du tri	France	Sustainable development
101	CIVIS	Italy	Sustainable development
102	Science2Society	Belgium	Sustainable development
103	EERA E3s	Spain	Sustainable development
104	RESPIRA LIFE	Spain	Sustainable development
105	BuildUp		Sustainable development
106	ClimAdaPT.Local	Portugal	Sustainable development

In addition, the following Interreg projects funded under the SUDOE, MED and EUROPE programmes that deal with Low Carbon Economy, Climate Change and Environment and Resource Efficiency were also identified:

Table 2. List of selected projects funded in SUDOE

Interreg SUDOE	Axis	Acronym
SUDOE Projects	3 Low Carbon Economy	ENERPAT
		REHABILITE
		SUDOE STOP CO2
	4 Climate Change	PLURIFOR
		TRITIUM
		FIRE-RS
		SOIL_TAKE_CARE
	5 Environment and Resource Efficiency	AGUAMOD
		VALUEPAM
		WETWINE
		POLL-OLE-GI SUDOE
		PhytoSUDOE
		HeritageCARE
		SOS PRADERAS

Table 3. List of selected Modular and Horizontal projects funded in Int-MED

Interreg MED	Axis	Acronym
MODULAR PROJECTS	2 Low Carbon Economy	CAMP-sUmp
		CESBA MED
		COMPOSE
		EduFootprint
		ENERJ
		IMPULSE
		LOCATIONS
		REMEDIO
		SHERPA
		SISMA
		StoRES
	3 Natural and Cultural Resources	ALTER ECO
		AMAre
		BLUEISLANDS
		BLUEMED
		CASTWATER
		CO-EVOLVE
		ConFish
		CONSUME-LESS
		DestiMED
		EMbleMatiC
		FishMPABlue 2
		MEDFEST
		MEDSEALITTER
		MPA-ADAPT
		POSBEMED
		ShapeTourism
HORIZONTAL PROJECTS	2 Low Carbon Economy	SIROCCO
		WETNET
		GO SUMP
	3 Natural and Cultural Resources	GREENCAP
		MEDNICE
		BlueTourMed_C3
		PANACeA

Table 4. List of selected projects funded in the Int-Europe

Interreg Europe	Axis	Acronym
Interreg EUROPE Projects	3 Low Carbon Economy	CLEAN
		COALESCCE
		CYCLEWALK MODE
		DEMO-EC
		EMPOWER
		ENERSELVES
		EV4CityNRG
		Green Screen
		InnovaSUMP
		MOLOC
		OptiTrans
		PROMETEUS
		RaiSE
		SCHOOL CHANCE
		SUPPORT
		VIOLET
	4 Environment and Resource Efficiency	BIOREGIO
		CircE
		COCOON
		ECOWASTE 4 FOOD
		ENHANCE
		GPP4Growth

3 PROJECT FICHES

This section includes a detailed description of each project listed in Section 2. The description is presented in form of a fact-sheet per project, grouped by theme, comprising key information in order to facilitate the networking amongst stakeholders.

3.1 Educational Tools

3.1.1 Kids Corner

Name of the initiative (project, platform, working group, initiative, etc.)	Kids' Corner
Short summary of the initiative	Web platform. It can be an example for ClimACT network
Main outputs, results	n/a
Added value for ClimACT	- Educational tools and ideas - Example of networking
Cross cutting interests	Active learning
Webpage	http://europa.eu/kids-corner/index_en.htm
Main contact point - Name	n/a
Main contact point - Surname	n/a
Main contact point - Title	n/a
Main contact point - Country	n/a
Main contact point - Email	Contact through webpage
Theme	Educational Tools

3.1.2 FEEDU

Name of the initiative (project, platform, working group, initiative, etc.)	FEEDU
Short summary of the initiative	FEEDU was an educational project carried out in 9 European countries by 13 regional energy advice centres aimed at teachers and pupils of primary schools in order to obtain consciousness and results about renewable energy sources, rational use of energy and mobility. The FEEDU project tested educational tools and experiences in 154 schools, by 450 teachers and the participation of 9000 pupils in the implied regions and disseminated them for a broad use in primary schools. Teachers were trained in energy education, they received the methodology and the necessary educational tools and experiences related to energy and mobility issues. A project-based learning plan in schools for a school year has the objective to changing attitudes of the pupils and their parents with respect to their energy consumption and mobility. They tested and evaluated relevant tools and put them at disposal of primary schools. Finally, open workshops were organised for teachers and energy educators in order to integrate energy education in the primary school system.

Main outputs, results	<ul style="list-style-type: none"> - Test of educational tools and experiences in 130 schools, by 380 teachers and with the participation of 7500 pupils - Raising awareness of children at their school and at home and try to change their attitude - Training for teachers in energy education, in order to set up project work in the class during a year - Exchanging experiences and methods in energy education for primary schools - The integration of energy education in the primary school system
Added value for ClimACT	<ul style="list-style-type: none"> - educational tools ideas - educational tools
Cross cutting interests	- active learning
Webpage	https://ec.europa.eu/energy/intelligent/projects/en/projects/feedu
Main contact point - Name	Lonfils
Main contact point - Surname	Nicodeme
Main contact point - Title	
Main contact point - Country	Belgium
Main contact point - Email	lonfils.nicodeme@curbain.be
Theme	Educational Tools

3.1.3 asbl Empreintes

Name of the initiative (project, platform, working group, initiative, etc.)	asbl Empreintes
Short summary of the initiative	<p>asbl Empreintes proposes projects, teachers' training and toolkits to promote children's education to environment. The topics addressed include, among others, ecological footprint, eco-consumption and energy.</p> <p>Regarding energy, <i>mission URE</i> is a collaborative project to raise the awareness of children to the rational use of energy. The specific objectives of the project are 1/ develop their knowledge on energy to understand the challenges, 2/ Identify energy-consuming behaviours and systems in their school, 3/ decide actions to undertake to decrease energy consumptions in the school, 4/ use of children to raise people's awareness to energy challenges.</p>
Main outputs, results	<p><i>Mission URE</i> educational project <i>Veill'energik</i> is fun activity for pupils dedicated to energy management; children are divided into 4 teams and have to face some challenges in view of making a movie.</p> <p><i>Optimove</i> is a toolkit dealing with mobility, security and environment</p> <p><i>Energic'abrac</i> is a toolkit to understand the energy market in Belgium</p> <p><i>Consomm'acteur</i> is a toolkit made of 5 fun activities about criteria for sustainable procurement.</p>
Added value for ClimACT	<p>Educational project on energy and toolkits for the education to topics addressed in Climact (energy, transports, waste management).</p> <p>Especially, the <i>Mission URE</i> project reaches many objectives of Climact</p>
Cross cutting interests	Education and awareness raising of children to Energy and Environment, including gaming. Awareness raising of people to energy savings and LCE through children.
Webpage	http://www.empreintesasbl.be/

Main contact point - <i>Name</i>	Annick
Main contact point - <i>Surname</i>	Cockaerts
Main contact point - <i>Title</i>	Head of the training tool department of asbl Empreintes
Main contact point - <i>Country</i>	Belgium
Main contact point - <i>Email</i>	annick@empreintesasbl.be
Theme	Children awareness to energy and environment

3.1.4 Zero Watt School Challenge

Name of the initiative (project, platform, working group, initiative, etc.)	Zero Watt School Challenge
Short summary of the initiative	The Zero Watt School Challenge is a yearly program funded by the Wallonie Region of Belgium which aims to raise the awareness of children to energy savings and achieve energy savings in their school of at least 10%. Up to 30 schools can be granted each year. The method includes education sessions, audits and specification of an action plan. Projects showing the best results and most deserving children / teachers receive awards and gifts
Main outputs, results	The program have been carried out for 5 years and is very successful in terms of enthusiasm, number of registrations, and results (knowledge, energy savings)
Added value for ClimACT	The project is very close to the Climact methodology, including teachers' training, education to energy savings at school, audits, expert support, and definition of action plans and measurement of efficiency. Therefore, the Zero Watt challenge can serve as a reference to guide the Climact methodology.
Cross cutting interests	Education and awareness raising of children to energy including training, audits, action plans and efficiency measurements
Webpage	http://www.ecolezerowatt.be/
Main contact point - <i>Name</i>	Jean-Marc
Main contact point - <i>Surname</i>	Guillemeau
Main contact point - <i>Title</i>	Project leader
Main contact point - <i>Country</i>	Belgium
Main contact point - <i>Email</i>	jean-marc.Guillemeau@ulg.ac.be
Theme	Education and awareness of children to energy savings

3.1.5 Tutor de Energia

Name of the initiative (project, platform, working group, initiative, etc.)	Tutor de Energia
Short summary of the initiative	The general objective of this program is to create the figure of the "energy Tutor" in 120 Portuguese school clusters, through the acquisition of skills for energy management.
Main outputs, results	This particular training program will be complemented by awareness-raising actions with the school community, for teachers, staff and students, with the object awareness of the rational use of energy and the adoption of sustainable behavioural practices in the efficiency area in electricity consumption the services and facilities of the local administration.
Added value for ClimACT	Strategies of energy efficiency in scholar environments.
Cross cutting interests	Energy efficiency
Webpage	https://www.academiaadene.pt/pt/frms/curso-de-tutores-de-energia-nas-escolas/introducao
Main contact point - <i>Name</i>	ADENE - Agência para a energia
Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	geral@adene.pt
Theme	Educational Tools

3.1.6 Sustainable Schools Project

Name of the initiative (project, platform, working group, initiative, etc.)	Sustainable Schools Project
Short summary of the initiative	Shelburne Farms' Sustainable Schools Project is a dynamic model for school improvement and civic engagement designed to help schools use sustainability as an integrating context for curriculum, community partnerships, and campus practices.
Main outputs, results	Guidelines and toolboxes for implementation of education on Sustainable schools.
Added value for ClimACT	Several tools and resources regarding how to implement sustainable education in schools.
Cross cutting interests	Sustainable education
Webpage	http://sustainableschoolsproject.org/
Main contact point - <i>Name</i>	n/a
Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	USA
Main contact point - <i>Email</i>	ssp@shelburnefarms.org
Theme	Educational Tools / Sustainability

3.1.7 COM-U

Name of the initiative (project, platform, working group, initiative, etc.)	COM-U - Communicating environmental actions to children and youth
Short summary of the initiative	The overall objective of the COM-U project was to create a well-informed generation of people that have the tools and the power to act and to solve environmental issues. Specifically, the project hoped to raise the awareness of 260 000 children and young people on the EU's environment policy through an awareness raising campaign via schools. This campaign was expected to be sustainable and democratic and to provide an example that could be transferred to other EU states.
Main outputs, results	The project developed and produced training material and arranged training for nearly 30 000 teachers and other school staff. The project also reached more than 600 stakeholders mainly comprising municipal school administrations, teachers' organisations and environmental interest groups. Information on web conferences and web-based material was sent to all headmasters. The training and information focused on how to integrate environmental issues into the school curricula. The project set up a nationwide network of coordinators to deliver this work and to promote the issues beyond the project.
Added value for ClimACT	Training materials for teacher and school staff, along other stakeholders regarding environmental issues and sustainability.
Cross cutting interests	Sustainable education
Webpage	http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=search.dspPage&n_proj_id=3310
Main contact point - Name	Ingela
Main contact point - Surname	BERGGREN
Main contact point - Title	Project Manager
Main contact point - Country	Sweden
Main contact point - Email	ingela.berggren@hsr.se
Theme	Educational Tools / Sustainability

3.1.8 TESSI

Name of the initiative (project, platform, working group, initiative, etc.)	TESSI – Teaching Sustainability across Slovenia and Italy
Short summary of the initiative	TESSI comes in the wake of IUSES project funded by the Intelligent Energy Europe programme, emphasizing its results and expanding its topics. TESSI promotes behaviours and lifestyles marked on the principles of sustainable development among high school students of the Programme-Area, with special reference to the most critical topics (energy, waste, water). The project steps in attitudes and knowledge through a training program for teachers and through the development of an interactive and multimedia innovative teaching kit. By means of a cross-border competition that awards schools and

	<p>students that obtain the greater environmental benefits, TESSI bears upon behaviour and daily habits. The creation of cross-border networks of schools is also facilitated. A travelling exhibition involves schools and local communities in an experimental path on sustainability issues. The project lasts 36 months, but the benefits will be extended over time (material available on the web, teachers will train new students, etc.).</p>
Main outputs, results	<ul style="list-style-type: none"> • design and production of teaching manuals for students and power point presentations on water and waste management in Italian and Slovenian languages; • extension of the multimedia DVD and of the experiment kit along with bilingual instructions, in order to integrate the materials produced in the frame of IUSES project; • design and creation of a travelling exhibition about the project themes divided into two phases: content and multimedia tools preparation during the first phase and implementation of four editions of the exhibition in Trieste, Ferrara, Ljubljana and Nova Gorica during the second phase; • planning of a training program for teachers that starts at the very beginning of the project addressing only the topic of energy efficiency thanks to the availability of IUSES materials. Starting from the second school year covered by the project (2013/2014), with the new material available, a new training program which will cover all the topics addressed by the project, will be launched; • planning and implementation of TESSI competition for sustainable schools: the competition, since its first edition, will address the issue of sustainability in terms of energy saving, reduction of water consumption, waste reduction and increasing recycling. • dissemination and promotion of products and services of TESSI, whose implementation follows the entire lifetime of the project and includes: the creation of the visual identity of the project, the promotion and involvement of direct and indirect target groups through the creation of a website, promotional materials, targeted actions towards media, meetings and conferences and the use of social networks. • Development of an educational kit on sustainable development, freely available for all secondary schools of the whole Programme-Area. The kit (made in both Italian and Slovenian languages) includes 5 manuals about energy efficiency, integrated and wise water and waste management, a guide for teachers, power point slides, an experiment kit and a DVD. • 9 training courses (3 per year) for at least 180 teachers (who will train at least 5.400 students); • 4 editions of a multimedia exhibition about the theme of sustainability (at least 24.000 visitors in total); • 3 editions of the TESSI Award for a sustainable school that will involve at least 25.000 students in three categories: schools, students and video (the award ceremonies will be also an opportunity of sharing best practices among schools and they will give high media visibility for the project and Programme); • design and implementation of a bilingual website that promotes sustainable development in schools and among young people, that makes educational tools of the project freely available and encourages the creation of cross-border collaboration among schools (at least 6.000 visitors); • creation of a standing network of institutions engaged in environmental education.

Added value for ClimACT	Training materials for teacher and students regarding sustainability.
Cross cutting interests	Sustainable education
Webpage	http://www.tessischool.eu/
Main contact point - <i>Name</i>	http://www.ita-slo.eu/projects/projects_2007_2013/2012041811451208
Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	n/a
Main contact point - <i>Email</i>	n/a
Theme	Educational Tools / Sustainability

3.1.9 ENGAGE

Name of the initiative (project, platform, working group, initiative, etc.)	ENGAGE
Short summary of the initiative	Equipping the next generation to participate in scientific issues to change how science is taught. Traditionally students gain an image of science as a body of content. ENGAGE focuses on a more inquiry-based methodology, which gives students opportunity for self-expression and responsibility for coming to informed decisions.
Main outputs, results	To help teachers address contemporary science issues and applications relevant to students. To develop teachers' beliefs, knowledge and classroom practice for 'RRI'. TO provide students a strong foundation to engage in science issues they will meet during their lives.
Added value for ClimACT	Interaction with the ENGAGE online Teacher's community. Support web tools. OERs (Open Educational Resources).
Cross cutting interests	Sharing of educational tools and school community engagement strategies.
Webpage	https://www.engagingscience.eu/en/overview/
Main contact point - <i>Name</i>	Tony
Main contact point - <i>Surname</i>	Sherborne
Main contact point - <i>Title</i>	Project coordinator, Sheffield Institute of Education, Sheffield Hallam University
Main contact point - <i>Country</i>	United Kingdom
Main contact point - <i>Email</i>	t.sherborne@shu.ac.uk
Theme	Educational Tools

3.1.10 IRRESISTIBLE

Name of the initiative (project, platform, working group, initiative, etc.)	IRRESISTIBLE
Short summary of the initiative	Design activities that foster the involvement of students and the public in the process of Responsible Research and Innovation (RRI). To raise awareness on RRI by increasing pupils' content knowledge about research.
Main outputs, results	Combination of formal (school) and informal (science centre, museum or festival) educational approaches to introduce relevant topics and cutting edge research into the programme.
Added value for ClimACT	Familiarisation of pupils with science, fostering a discussion on RRI issues. Ultimately, this project will enable almost ten thousand pupils to consider the social impact of scientific research.
Cross cutting interests	Community of Learners (comprised of school teachers, education experts, exhibition experts from museums/science centers, researchers). The materials developed in the communities will be used by the teachers with their students. ClimACT can learn from those materials in order to develop school community engaging strategies and the educational materials.
Webpage	http://www.irresistible-project.eu/index.php/en/
Main contact point - Name	Prof. Jan
Main contact point - Surname	Apotheker
Main contact point - Title	Project coordinator, University of Groningen
Main contact point - Country	Netherlands
Main contact point - Email	j.h.apotheker@rug.nl
Theme	Educational Tools

3.1.11 PARRISE

Name of the initiative (project, platform, working group, initiative, etc.)	PARRISE
Short summary of the initiative	Combining science with society at school. In that way, young people feel more engaged in science, experiencing its societal impact. By becoming more scientifically literate, young citizens are better equipped to participate in the process of science innovation.
Main outputs, results	Best practices of professional development of science teachers for primary and secondary teachers. Integration of two pedagogical approaches: inquiry-based science education (IBSE) and learning based on socio-scientific issues. This integrated approach is called Socio-Scientific Inquiry-Based Learning (SSIBL).
Added value for ClimACT	PARRISE develops learning tools, materials and professional development courses for science teachers based on the SSIBL approach.
Cross cutting interests	Sharing of learning tools and methodologies, 'teach-the-teachers' materials to help constructing the ClimACT educational materials.
Webpage	http://www.parrise.eu/
Main contact point - Name	1.- Dr. Marie-Christine 2.- Frans

Main contact point - Surname	1.- Knippels 2.- van Dam
Main contact point - Title	Project Coordinators, Freudenthal Institute for Science and Mathematics Education (Flsme), Utrecht University
Main contact point - Country	Netherlands
Main contact point - Email	<i>m.c.p.j.knippels@uu.nl</i> <i>f.w.vanDam@uu.nl</i>
Theme	Educational Tools

3.1.12 SiS Catalyst

Name of the initiative (project, platform, working group, initiative, etc.)	SiS Catalyst
Short summary of the initiative	An initiative to foster and support ethical, effective and sustainable engagement between children aged 7-14 years and the social, cultural, political, scientific and educational institutions which make the decisions that will shape their futures.
Main outputs, results	Seeking to empower children and influence institutions to engage with them. A particular focus on strengthening relationships between post-secondary education institutions and the children.
Added value for ClimACT	.- E-learning courses in: a) Capacity building, b) Working Ethically, c) Building Creative Web Sites for Children and d) Listening and Empowering Children and Young People http://elearning.siscatalyst.eu/ .- Guidelines for Peer Mentoring Programs http://www.siscatalyst.eu/peer-mentoring .- A guide to listening to and empowering young people http://www.siscatalyst.eu/listen-empower
Cross cutting interests	E-learning courses and strategies to empower students and foster their critical thinking.
Webpage	http://www.siscatalyst.eu/
Main contact point - Name	Unkown
Main contact point - Surname	Unkown
Main contact point - Title	European Children's Universities Network, c/o Vienna University Children's Office
Main contact point - Country	Austria
Main contact point - Email	<i>info@eucu.net</i>
Theme	Educational Tools

3.1.13 Ark of Inquiry

Name of the initiative (project, platform, working group, initiative, etc.)	Ark of Inquiry
Short summary of the initiative	Raise awareness of pupils to Responsible Research and Innovation (RRI) by promoting an interest in science through inquiry learning. To create

	a “new science classroom”, one which would provide more challenging, authentic and higher-order learning experiences and more opportunities for pupils to participate in scientific practices and tasks, using the discourse of science.
Main outputs, results	Ark of Inquiry Platform (http://arkportal.ut.ee/#/) containing: A teacher’s toolbox and A pool of Inquiry Activities. A platform that brings together inquiry-based activities, learners and supporters (teachers, university students, researchers, staff of museums and universities).
Added value for ClimACT	To support teachers, the Ark of Inquiry project will provide face-to-face training for teachers so that they will be able to support and motivate the pupils in their inquiry-based activities. Furthermore, the project will develop supportive web-based materials for all of the supporters working with the Ark of Inquiry project.
Cross cutting interests	Teachers training materials and web-based materials. Strategies for the promotion of inquiry learning.
Webpage	http://www.arkofinquiry.eu/
Main contact point - <i>Name</i>	1.- Prof. Margus 2.- Marianne
Main contact point - <i>Surname</i>	1.- Pedaste 2.- Lind
Main contact point - <i>Title</i>	Project Coordinators, University of Tartu
Main contact point - <i>Country</i>	Estonia
Main contact point - <i>Email</i>	margus.pedaste@ut.ee marianne.lind@ut.ee
Theme	Educational Tools

3.1.14 Serpente Papa-Léguas – Jogo da Mobilidade

Name of the initiative (project, platform, working group, initiative, etc.)	Serpente Papa-Léguas – Jogo da Mobilidade
Short summary of the initiative	The Traffic Snake Game (TSG) is a campaign developed to encourage walking and cycling to school, with primary school children, and parents and teachers being the main target group.
Main outputs, results	The Traffic Snake Game was designed for primary schools and aims to encourage children, parents and teachers to adopt walking, cycling, public transport or car sharing when travelling to and from school. TST consists in a two-week campaign, where several material was already created to support the game: manual for teachers; banner (3,5 meter x 1 meter); stickers and dots; letter for parents; posters; stickers, as reward for the children. The aim is to break down negative perceptions, such as the concern about road safety, and promote sustainable modes as fun and healthy for both parents and children.
Added value for ClimACT	Gamification ideas for children learning of sustainable mobility principles.
Cross cutting interests	Sustainable mobility
Webpage	http://www.trafficsnakegame.eu/
Main contact point - <i>Name</i>	Associação para a promoção da segurança infantil
Main contact point - <i>Surname</i>	n/a

Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	apsi@apsi.org.pt
Theme	Gamming / Mobility / Sustainability

3.1.15 Relais Nature

Name of the initiative (project, platform, working group, initiative, etc.)	Relais Nature de la Moulinette
Short summary of the initiative	Communal site of environmental education for children and schools. They welcome students all year round in an old farm. There are one gardener and three educator for animations around different thematises such as climate, trees, wildlife, flora or renewable energy.
Main outputs, results	Awareness raising and educate children in regard to the environment. Support teachers in their teaching approach.
Added value for ClimACT	Adopt eco-management and good behaviour for the planet and energy consumption.
Cross cutting interests	Development of educational supports
Webpage	http://www.ville-larochelle.fr/environnement-et-sante-publique/informations-sur-lenvironnement/relais-nature-de-la-moulinette.html
Main contact point - <i>Name</i>	Hélène
Main contact point - <i>Surname</i>	Rouquette
Main contact point - <i>Title</i>	Project leader
Main contact point - <i>Country</i>	France
Main contact point - <i>Email</i>	helene.rouquette@ville-larochelle.fr
Theme	Educational Tools, Communal organisation of environment education

3.1.16 Energia Fantasma

Name of the initiative (project, platform, working group, initiative, etc.)	Energia Fantasma
Short summary of the initiative	With this campaign, DECO helps consumers to reduce their electricity bill, eliminating the waste of energy consumption related to stand-by and off-mode
Main outputs, results	Development of a game and an energy consumption simulator and energy tariffs; posters and videos produced by schools about "ghost energy".
Added value for ClimACT	Guidelines for gamming and posters
Cross cutting interests	Development of educational contests
Webpage	http://www.energifantasma.pt
Main contact point - <i>Name</i>	

Main contact point - <i>Surname</i>	
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	energiafantasma@deco.pt
Theme	Educational tools and gamming

3.1.17 O Clima é Connosco

Name of the initiative (project, platform, working group, initiative, etc.)	O Clima é Connosco
Short summary of the initiative	It is a set of communication actions and environmental awareness to climate empowerment.
Main outputs, results	Public talks about climate change; videos and infographics.
Added value for ClimACT	Guidelines for contests and awareness raising.
Cross cutting interests	Development of educational contests
Webpage	http://oclimaeconnosco.wixsite.com/o-clima-e-connosco
Main contact point - <i>Name</i>	Joaquim
Main contact point - <i>Surname</i>	Pinto
Main contact point - <i>Title</i>	ASPEA President
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	aspea@aspea.org
Theme	Educational tools and gamming

3.2 Energy, Resources and Management

3.2.1 (Re)programa

Name of the initiative (project, platform, working group, initiative, etc.)	(Re)programa project (2013-2014). Andalusia. Spain
Short summary of the initiative	Andalusian research project focused on energy retrofitting of residential existing buildings. They developed a global methodology to assess the economic, environmental and social performance of energy efficiency measures in residential buildings.
Main outputs, results	Main outcomes are related to the development of a multi-criteria assessment methodology for retrofitting of existing buildings, and criteria for the efficient implementation of energy efficiency measures in buildings.
Added value for ClimACT	Multi-criteria methodology can be taken as a reference method to assess low-carbon energy measures in schools.
Cross cutting interests	Management of Living Urban Environments

Webpage	http://grupo.us.es/reprograma/
Main contact point - <i>Name</i>	Ángela
Main contact point - <i>Surname</i>	Barrios Padura
Main contact point - <i>Title</i>	Project coordinator, University of Seville
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	abarrios@us.es
Theme	Cost Benefit Analysis

3.2.2 MARIE

Name of the initiative (project, platform, working group, initiative, etc.)	MARIE project. Mediterranean Building rethinking for energy efficiency improvement (MEDBEES) (ERDF). (2011-2015)
Short summary of the initiative	The aim of MARIE project is to build up capacities in the Mediterranean region with a view to enhancing the energy performance of buildings. The MARIE project consortium is based on 9 Mediterranean countries (23 partners)
Main outputs, results	They identified main barriers for energy refurbishment in Mediterranean buildings and developed action plans. Mediterranean building sector was characterized by final energy consumption varies from 90 kWh/m ² to 150 kWh/m ² (useful area) and space heating is always the most significant energy requirement varying from 40% to 65% of total consumption. The current energy efficiency refurbishment rates in the MARIE regions compiled within this project range from 0.12% to 0.26%. This rate is 2-3 times lower than the average energy refurbishment rate in north-western EU countries.
Added value for ClimACT	The methodology developed in Marie project to assess the final energy use in Mediterranean residential and tertiary sector can be applied to school buildings. It was reported in the Final report: Potential Impact Evaluation of the MEDBEES First Draft (Integrated Regional Benchmark Analysis). Final report.
Cross cutting interests	Action strategies to reduce final energy use in buildings
Webpage	http://www.marie-medstrategic.eu
Main contact point - <i>Name</i>	Xavier
Main contact point - <i>Surname</i>	Martí i Ragué
Main contact point - <i>Title</i>	Project coordinator. Chief Officer of European Programmes. Secretariat for Housing and Urban Improvement. Department of Territory and Sustainability. Government of Catalonia
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	Contact through webpage
Theme	Energy efficiency/ management

3.2.3 Energy Efficient Schools

Name of the initiative (project, platform, working group, initiative, etc.)	Project: Energy Efficient Schools (Escolas Energeticamente Eficientes, 3Es). (2012-2014) Portuguese Program of R&D Projects associated with Large Public Tenders
Short summary of the initiative	Assessment of energy consumption in schools. Development of strategies on the road to energy efficiency schools.
Main outputs, results	Article review about energy consumption in schools published in Renewable and Sustainable Energy Reviews (http://www.sciencedirect.com/science/article/pii/S1364032114006868). Studied variables were: global energy consumption values, electrical energy consumption; fuel consumption for heating, energy data consumption of schools expressed in annual cost per unit of heated/cooled surface area (\$/m ²) or per unit of heated/cooled volume (\$/m ³) or, finally, as the annual cost per student (\$/student).
Added value for ClimACT	Reference values of energy and environmental performance of schools.
Cross cutting interests	Energy efficiency
Webpage	http://www.3es.pt/crbst_3.html
Main contact point - Name	Manuel Carlos
Main contact point - Surname	Gameiro
Main contact point - Title	"Project coordinator. Professor Associado com Agregação, Vice-Director of ADAI. University of Coimbra, Coimbra"
Main contact point - Country	Portugal
Main contact point - Email	manuel.gameiro@dem.uc.pt
Theme	Energy efficiency/ management

3.2.4 Research group TEP 130 (University of Seville)

Name of the initiative (project, platform, working group, initiative, etc.)	Research group TEP 130: Arquitectura, Patrimonio y Sostenibilidad: Acústica, Iluminación, Óptica y Energía. University of Seville
Short summary of the initiative	Research group from the University of Seville with several scientist publications about energy efficiency and HVAC&R systems in schools.
Main outputs, results	Publications about impacts of Controlled Ventilation Systems on Energy Consumption in Mediterranean School Buildings.
Added value for ClimACT	Reported results can be used as a reference for the development of strategic action plans. Results about impact of different ventilation systems in Mediterranean building schools: https://idus.us.es/xmlui/handle/11441/16257
Cross cutting interests	Heating, cooling and lighting in school buildings
Webpage	http://www.iucc.us.es/index.php/es/componentes/grupos/6-tep-130-arquitectura-patrimonio-y-sostenibilidad
Main contact point - Name	Juan José
Main contact point - Surname	Sendra Salas

Main contact point - <i>Title</i>	Main Researcher of research group TEP: 130
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	jsendra@us.es
Theme	Energy efficiency/ management

3.2.5 PUBLENEF

Name of the initiative (project, platform, working group, initiative, etc.)	PUBLENEF. Support Public Authorities for Implementing Energy Efficiency Policies
Short summary of the initiative	PUBLENEF aims to assist European Union Member States in implementing effective and efficient sustainable energy policies (with the focus on energy efficiency) and empower them to make use of the best practices and policy processes implemented in other Member States at the national, regional and/or local level.
Main outputs, results	THE RESULTS OF PUBLENEF WILL BE: <ul style="list-style-type: none"> * to identify the needs of national, regional and local authorities for the implementation of EE policies, * to collect the best practice and tools for overcoming these needs and replicate them to various Member States, regions and municipal authorities, * to develop roadmaps and enhance the process of successful implementation of policies, * to build and strengthen existing networks of policy makers enabling the knowledge exchange from national to regional to local level in energy efficiency policy.
Added value for ClimACT	Effective and successful policies in the area of energy efficiency at local level will be identified and this could help the identification of efficiency measures in schools.
Cross cutting interests	Energy efficiency measures and policies
Webpage	http://publnef-project.eu/
Main contact point - <i>Name</i>	Vlasis
Main contact point - <i>Surname</i>	Oikonomou
Main contact point - <i>Title</i>	Dr

3.2.6 iSERVcmb

Name of the initiative (project, platform, working group, initiative, etc.)	iSERVcmb Project
Short summary of the initiative	The iSERVcmb project has provided a unique approach to understanding and reducing operational energy use in building services across Europe. It has accumulated a unique set of operational data for building services components during its 3 year period. The project acquired data from 16 countries around Europe.
Main outputs, results	The main findings from the project are that:

	<ul style="list-style-type: none"> - The proposed process leads to significant savings in operational buildings across Europe – with annual electricity savings of up to 5% of the total EU electrical energy use appearing possible. - The iSERVcmb spreadsheet can be used for all buildings and HVAC systems across Europe - The project has produced a unique set of measured data on energy use and power demands in HVAC sub-components servicing given end use activities across Europe - Energy Conservation Opportunities are capable of being identified from sub-hourly data - Physical Inspections and Indoor Air Quality studies have confirmed that continuous use of metered data can be used to benchmark the performance of buildings and systems - The approach and data is of interest to Building Services Professional Bodies in providing guidance to their members on improving the operational energy efficiency of building services
Added value for ClimACT	European database with info about energy efficiency and indoor air quality of buildings. Guidelines. The final spreadsheet can be helpful to identify some of the inputs for ClimACT database. The iSERVcmb benchmarking information can be used for reference for ClimACT database.
Cross cutting interests	Benchmarking indicators, ECO, Methodology for HVAC System Inspections; Energy efficiency; Energy Management
Webpage	http://www.iservcmb.info/
Main contact point - Name	Ian P.
Main contact point - Surname	Knight
Main contact point - Title	Professor, Project Coordinator
Main contact point - Country	United Kingdom
Main contact point - Email	knight@cardiff.ac.uk
Theme	Energy efficiency/ management

3.2.7 harmonAC

Name of the initiative (project, platform, working group, initiative, etc.)\	harmonAC
Short summary of the initiative	Through undertaking monitoring and measurement of the energy use in 42 AC systems and their components in 8 EU Member States, HARMONAC has been able to provide an evidence based report on the Energy Conservation Opportunities (ECOs) generally available in Air Conditioning systems. These in-depth Case Studies have then compared with ECOs found from Field Trials of HARMONAC AC system inspection procedures which are based on EN15240 - the CEN Standard for AC Inspection. This comparison has enabled conclusions to be reached about how many of the ECOs that are available would be able to be identified and implemented in EU Member States as a result of the EPBD Inspection process. The project has also produced tools for use in the Inspection process, and a Teaching Package to assist in the Training of Inspectors.

Main outputs, results	<ul style="list-style-type: none"> - Measured energy savings from A/C systems and their components from across Europe through Inspection actions. - A guide to energy conservation opportunities for air-conditioning systems. These will be produced from the measured data on the energy savings achieved, and will show the average energy savings. - A teaching resource for use by trainers of air-conditioning inspectors. - A number of tools for use during the inspections to speed up the process and to provide robust estimations. - A database of the case studies and field trials undertaken within the project. Measured energy consumptions from air-conditioning systems and their components from across Europe will be included, and where applicable the database will show the savings achieved in each system through actions undertaken during maintenance.
Added value for ClimACT	<ul style="list-style-type: none"> - guide for ECO in AC systems - tools to speed the inspections/audits process - benchmark cross reference
Cross cutting interests	ECO's
Webpage	https://ec.europa.eu/energy/intelligent/projects/en/projects/harmonac
Main contact point - Name	Ian P.
Main contact point - Surname	Knight
Main contact point - Title	Professor
Main contact point - Country	UK
Main contact point - Email	knight@cardiff.ac.uk
Theme	Energy efficiency/ management

3.2.8 AudiTAC

Name of the initiative (project, platform, working group, initiative, etc.)	AudiTAC
Short summary of the initiative	Under new EU legislation, governments are obliged to adopt inspection schemes for air-conditioning systems over a certain cooling output. AuditAC investigated and promoted auditing procedures as a fundamental way of achieving real savings, in both CO2 and energy, in air conditioning systems. Part of the work was to produce tools that would help expert auditors, inspectors and energy managers identify the energy saving opportunities and avoid unnecessary waste. The ultimate goal was to get the market to accept the proposed procedures.
Main outputs, results	<ul style="list-style-type: none"> - 'Easily understandable' technical guides allow identification of cooling systems and recognition of the requirements under the new legislation. - A tried and tested training package of 150 slides for expert auditors and inspectors is available. - A database and software allows users to identify actual case studies that best match their own situation. - An exhaustive list of Energy Conservation Opportunities for auditors and inspectors gives guidance and a spreadsheet calculator demonstrates potential savings.

	- The 'Eurovent-Certification' database lists performance values for existing AC conditioners.
Added value for ClimACT	- audits procedures - tools to help the audits - AC performance information
Cross cutting interests	- audit guidelines
Webpage	https://ec.europa.eu/energy/intelligent/projects/en/projects/auditac
Main contact point - <i>Name</i>	Jerome
Main contact point - <i>Surname</i>	Adnot
Main contact point - <i>Title</i>	Professor
Main contact point - <i>Country</i>	France
Main contact point - <i>Email</i>	jerome.adnot@ensmp.fr
Theme	Energy efficiency/ management

3.2.9 Renew Schools

Name of the initiative (project, platform, working group, initiative, etc.)	Renew Schools
Short summary of the initiative	- Improvement of the building's envelope by coating it with insulated prefabricated timber modules integrating windows, solar shading and ventilation/heating pipework - Improvement of the energy gains on site by using renewable energy sources, beside passive measures - Improvement of the indoor environment quality (IEQ) by ventilating, passive cooling and daylight upgrading the classrooms
Main outputs, results	- School building owners and financiers like municipalities as well as companies and users will have more knowledge about the way from existing to nZEB standard schools, with remarkably increasing the IEQ of the building. - 24 visits to the 18 visualised frontrunner buildings ready to motivate the school owners and planners doing the same, will be made. 20 school buildings renovated to nZEB standard in the "RENEW SCHOOL" way will be initiated by the project. Two computerized decision tools for advanced cooperation models and technology options will be offered. - 16 technical workshops on cooperation models and on technical solutions for nZEB school renovations will be held together with 8 technology talks bringing school owners and companies together. Around 5.000 pupils assisted by their teachers will carry out awareness raising projects on nZEB renovation topics. - Trainings for the employees of at least 100 SME in specific technologies of comprehensive school renovation will be carried out. The website will actively serve as contact and information exchange platform for the stakeholders and network activities. So 10.000 interested persons of the target groups will download or will be provided with a short motivating video.
Added value for ClimACT	- trainings for school staff - decision tools - ideas for awareness raising projects or serious games
Cross cutting interests	- energy school efficiency - online platform to exchange information between stakeholders and partners

Webpage	http://www.renew-school.eu/en/home/ https://ec.europa.eu/energy/intelligent/projects/en/projects/renew-school
Main contact point - Name	DI Armin
Main contact point - Surname	Knotzer
Main contact point - Title	
Main contact point - Country	Austria
Main contact point - Email	a.knotzer@aee.at
Theme	Energy efficiency/ management

3.2.10 Active Learning

Name of the initiative (project, platform, working group, initiative, etc.)	Active Learning
Short summary of the initiative	<ul style="list-style-type: none"> - Lay the basis for integration of active learning on energy efficiency, renewable energy and sustainable transport in the national school curricula of all partner countries. - Reduced energy consumption and energy integrated as part of school policy in participating school buildings and homes of involved actors - Implementation of energy monitoring activities carried out by children in minimum 150 primary schools (10 per partner) not already part of the SPARE and ECO school programme resulting in increased knowledge and behaviour change regarding energy efficiency - Web-based toolbox for teachers on active learning activities on energy efficiency, renewable energy and sustainable transport including energy monitoring materials. - Improved co-operation between energy experts, teachers, schools, school authorities, and energy agencies regarding energy education through establishment of reference groups and lasting routines as well as illustrative success stories that will function
Main outputs, results	<ul style="list-style-type: none"> - Collection and comparison of existing teaching material. Adaptation to national framework; - Promotion of integration of AL in curricula. Overview of curriculum issues. - Covers both rational use of energy, renewable energy source, and transport. - Not just increase in knowledge, also kWh savings in a high number of school buildings - measurable by energy monitoring;
Added value for ClimACT	<ul style="list-style-type: none"> - active learning activities - data from energy monitoring
Cross cutting interests	<ul style="list-style-type: none"> - active learning on energy efficiency - Energy monitoring - Improve co-operation between school staff, childrens and experts
Webpage	https://ec.europa.eu/energy/intelligent/projects/en/projects/active-learning http://www.consortium4al.eu/
Main contact point - Name	Kirsten

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Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	Norway
Main contact point - <i>Email</i>	kdm@nee.no
Theme	Energy efficiency/ management

3.2.11 ECO-AP

Name of the initiative (project, platform, working group, initiative, etc.)	ECO-AP - Programa de Eficiência Energética na Administração Pública
Short summary of the initiative	The main goal of Eco.AP, which was launched in 2011, is to reach a level of energy efficiency of 30% in the Portuguese Public Administration until 2020, without the increase of public expenses and, simultaneously, promoting the economic development of the sector of companies of energy services.
Main outputs, results	ECO-AP has four main areas: 1) Barometer Eco.AP which goal was to create a barometer of Energy Efficiency of the Public Administration in order to characterize, compare and disseminate the energy performance of the different services; 2) Contracts of Energy Efficiency Management, which provided guidelines for the market; 3) Companies of Energy Services – establishment of qualification system of these companies; 4) Local Energy Managers (LEM), which are nominated by the different services of Public Administration related directly or indirectly with the Government and have the function to help the implementation of Eco.AP in their facilities.
Added value for ClimACT	Established guidelines for energy efficiency in Public buildings. We can promote sinergies between Barometer ECO-AP and the ClimACT decision support tool. Guidelines for the ESCO.
Cross cutting interests	Energy efficiency. ESCO market. Benchmarking.
Webpage	http://ecoap.pnaee.pt/
Main contact point - <i>Name</i>	DGEG - Direção Geral de Energia e Geologia
Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	energia@dgeg.pt
Theme	Energy efficiency/ management / Energy Performance Contract Business models

3.2.12 PNAEE

Name of the initiative (project, platform, working group, initiative, etc.)	PNAEE: Plano Nacional de Ação para a Eficiência Energética (PNAEE)
Short summary of the initiative	Promotion of National energy efficiency
Main outputs, results	PNAEE covers six specific areas, namely Transport, Residential and Services, Industry, State, behaviours and Agriculture, contemplating several measures to promote energy efficiency to achieve the goals for 2016 and 2020.
Added value for ClimACT	Established guidelines for energy efficiency and promotion of supporting measures to promote it in different areas.
Cross cutting interests	Energy efficiency
Webpage	http://www.pnaee.pt/
Main contact point - <i>Name</i>	n/a
Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	geral@pnaee.pt
Theme	Energy efficiency/ management

3.2.13 Request2Action

Name of the initiative (project, platform, working group, initiative, etc.)	Request2Action
Short summary of the initiative	Request2Action is a project across nine European countries co-funded by the European Commission. Its focus is on how data from Energy Performance Certificates (EPCs), alongside other data, can be used to promote home energy efficiency.
Main outputs, results	The main objective is to increase the implementation of improvement measures including those referred in Energy Certificates, resulting in improved energy efficiency, promotion of renewable energy and improving comfort conditions of housing through: 1) more reliable information available and accurate for everyone involved in the dynamics of the energy efficiency of buildings; 2) To narrow the value chain between the owners, professionals and their companies, qualified experts and regulators; 3) Creating innovative approaches (Hubs, Simulators) for promoting the implementation of improvement measures, and their registration.
Added value for ClimACT	Creation of validated tools for assessing energy efficiency at households, which can be employed to scholar environments and also to promote the dissemination with children and their parents.
Cross cutting interests	Energy efficiency
Webpage	http://building-request.eu/
Main contact point - <i>Name</i>	ADENE - Agência para a energia

Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	geral@adene.pt
Theme	Energy efficiency/ management

3.2.14 ManagEnergy

Name of the initiative (project, platform, working group, initiative, etc.)	ManagEnergy
Short summary of the initiative	ManagEnergy is an initiative of the European Commission Directorate-General for Energy and Transport, which aims to support the work of actors working on energy efficiency and renewable energies at the local and regional level.
Main outputs, results	Provides technical documents with info for end-users along with a very complete list of the main actors within the field in European countries.
Added value for ClimACT	Information tools and mailing list of potential stakeholders.
Cross cutting interests	Energy efficiency
Webpage	http://www.managenergy.net/
Main contact point - <i>Name</i>	n/a
Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	n/a
Main contact point - <i>Email</i>	n/a
Theme	Energy efficiency/ management

3.2.15 MOEEBIUS

Name of the initiative (project, platform, working group, initiative, etc.)	MOEEBIUS: Modelling Optimization of Energy Efficiency in Buildings for Urban Sustainability.
Short summary of the initiative	MOEEBIUS introduces an Energy Performance Optimization Framework that aims to enhance current modelling approaches. Innovative simulation tools will be developed for improving simulation predictions accuracy in order to significantly reduce the “performance gap” and enhance continuous optimization of building energy performance in real-time.
Main outputs, results	The MOEEBIUS framework will be validated in 3 large-scale pilot sites, located in Portugal, UK and Serbia, incorporating diverse building typologies. Through the provision of this technological framework MOEEBIUS will enable the creation of attractive business opportunities providing solutions with high replication potential for different stakeholders, as

	the end-users, Energy Services Companies, Aggregators, Maintenance Companies and Facility Managers.
Added value for ClimACT	ClimACT can use as basis some of the business models developed by the MOEEBIUS project to the development of the new business models for schools. Namely, the business model related with raising occupants' awareness for energy savings may be interesting as it considers a gamification and behaviour triggering framework to engage the energy consumers. Moreover, the results from the pilot in the school complex and kindergarten are expected to allow understanding the acceptance and behaviour change of the students.
Cross cutting interests	New tools and business models to increase energy efficiency in buildings (H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries)
Webpage	http://www.moeebius.eu/
Main contact point - <i>Name</i>	Ander
Main contact point - <i>Surname</i>	Romero
Main contact point - <i>Title</i>	Project coordinator (Fundacion Tecnalia)
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	ander.romero@tecnalia.com
Theme	Energy, resources and management

3.2.16 FLEX4GRID

Name of the initiative (project, platform, working group, initiative, etc.)	FLEX4GRID
Short summary of the initiative	Creating an open data and service framework that enables a novel concept of managing flexibility of prosumer demand and generation (between consumer and professional; amateur using professional standard goods), utilising cloud computing for power grid management and opening Distribution System Operator infrastructure for aggregator services.
Main outputs, results	a) a data cloud service with anonymised interface and advanced security and privacy mechanisms for data exchange and service management, b) prosumer generation and demand flexibility, and c) a more viable business model to accelerate the deployment.
Added value for ClimACT	Development of interface and business models to accelerate deployment of LCE management strategies.
Cross cutting interests	Software/cloud service interface and business models
Webpage	https://www.flex4grid.eu/
Main contact point - <i>Name</i>	Unkown
Main contact point - <i>Surname</i>	Unkown
Main contact point - <i>Title</i>	VTT Technical Research Centre
Main contact point - <i>Country</i>	Finland
Main contact point - <i>Email</i>	team@flex4grid.eu
Theme	Energy efficiency/ management

3.2.17 FLEXMETER

Name of the initiative (project, platform, working group, initiative, etc.)	FLEXMETER
Short summary of the initiative	Development and demonstration of a flexible smart metering architecture, based on cheap and already available components, which can be implemented in a plug and play way, combining metering of different services (electricity, water, gas, district heating), providing advanced services to the users, to the DSOs and to the other utilities, and enhancing the possibilities of the retail market.
Main outputs, results	Two pilot applications in two different countries (Italy and Sweden), on real distribution systems, with the involvement of the local DSOs and volunteer prosumers. The results on the demonstrators will be scaled up to the size of the cities in order to evaluate the advantages on a real scale.
Added value for ClimACT	The metering systems used in this project could serve to improve and/or complete the metering systems that are going to be tested in ClimACT.
Cross cutting interests	Combination of metering systems for electricity, water, gas and heating.
Webpage	http://flexmeter.polito.it/
Main contact point - Name	Enrico
Main contact point - Surname	Macii
Main contact point - Title	Project coordinator, Department of Control and Computer Engineering (DAUIN)
Main contact point - Country	Italy
Main contact point - Email	segreteria.macii@polito.it
Theme	Energy efficiency/ management

3.2.18 FLEXICIENCY

Name of the initiative (project, platform, working group, initiative, etc.)	FLEXICIENCY
Short summary of the initiative	Demonstrate that the deployment of novel services in the electricity retail markets (ranging from advanced monitoring to local energy control, and flexibility services) can be accelerated thanks to an open European market place based on standardised interactions among all the electricity stakeholders.
Main outputs, results	Opening up the energy market to new players at EU level.
Added value for ClimACT	Deployment of novel services (advanced monitoring, local energy control, flexibility) and interaction with electricity stakeholders.
Cross cutting interests	Novel smart electricity management services and interaction in a EU market place.
Webpage	http://www.flexiciency-h2020.eu/
Main contact point - Name	Thomas
Main contact point - Surname	Mikkelsen
Main contact point - Title	Project Community Manager at Vaasa ETT

Main contact point - <i>Country</i>	Finland
Main contact point - <i>Email</i>	thomas.mikkelsen@vaasaett.com
Theme	

3.2.19 EMPOWER

Name of the initiative (project, platform, working group, initiative, etc.)	EMPOWER
Short summary of the initiative	Development an entirely new energy market in Europe where consumers can buy and sell locally produced energy from solar panels, micro wind turbines and other decentralized energy production sources.
Main outputs, results	Offloading of central and regional electricity grids, increased local electricity production and cheap renewable electricity to consumers.
Added value for ClimACT	ClimACT can learn from the new forms of energy marketing delivered in EMPOWER and adapt those to the energy models and management strategies that shall be develop in ClimACT (e.g. Task 2.7)
Cross cutting interests	Energy Business Models
Webpage	http://empowerh2020.eu/
Main contact point - <i>Name</i>	Dieter
Main contact point - <i>Surname</i>	Hirdes
Main contact point - <i>Title</i>	Technical Project leader
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Main contact point - <i>Email</i>	dieter.hirdes@ncesmart.com
Theme	Energy Performance Contract Business model

3.2.20 RESSEEPPE

Name of the initiative (project, platform, working group, initiative, etc.)	RESSEEPPE: Retrofitting Solutions and Services for the enhancement of Energy Efficiency in Public Edification.
Short summary of the initiative	RESSEEPPE will bring together design and decision making tools, innovative building fabric manufacturers and a strong demonstration programme to demonstrate the improved building performance through retrofitting. RESSEEPPE main goals are: <ul style="list-style-type: none"> - To set up a diagnosis methodology for an integrated renovation of public edification at building and district level; - Innovative development and enhancement of retrofit technologies that will be able to achieve energy savings around 50%; - Development of a systemic view for selection of the most empowering retrofitting mix: Net-zero energy renovation of existing public districts.
Main outputs, results	The RESSEEPPE framework will be validated and refined by a strong demonstration programme, envisaging the renovation of 102.000 square meters of public buildings, arriving to a total renovation of 205.000 square meters that will be deployed in the following years. The

	estimated average of energy consumption in the renovated demo sites, on final energy, will be 66 kWh/m ² .year, representing a 63% of reduction in energy consumption compared to the current situation. CO ₂ emissions will be 48,15 kg/m ² .year, corresponding to more than 60 % of reduction. The total emissions avoided by the demo sites will be 2257 tCO ₂ /year.
Added value for ClimACT	ClimACT can use the diagnosis methodology developed by the RESSEPE project for an integrated renovation of public edification at building and district level use and can also explore the innovative retrofit technologies demonstrated by the RESSEPE project as basis for developing the specific tools for schools.
Cross cutting interests	New tools and business models to increase energy efficiency in public buildings (EeB.NMP.2013-3 - Integration of technologies for energy-efficient solutions in the renovation of public buildings)
Webpage	http://www.resseepe-project.eu/project-summary.php
Main contact point - <i>Name</i>	Giulia
Main contact point - <i>Surname</i>	Barbano
Main contact point - <i>Title</i>	Administrative Coordinator (IES - Integrated Environmental Solutions Limited)
Main contact point - <i>Country</i>	United Kingdom
Main contact point - <i>Email</i>	giulia.barbano@iesve.com
Theme	Energy, resources and management

3.2.21 HIT2GAP

Name of the initiative (project, platform, working group, initiative, etc.)	HIT2GAP: Highly Innovative building control Tools Tackling the energy performance GAP.
Short summary of the initiative	HIT2GAP will develop a new generation of building monitoring and control tools based on advanced data treatment techniques allowing new approaches to assess building energy performance data, getting a better understanding of building's behaviour and hence a better performance. From a strong research layer on data, HIT2GAP will build on existing measurement and control tools that will be embedded into a new software platform for performance optimization.
Main outputs, results	The solution will be: - Fully modular: able to integrate several types and generations of data treatment modules (different algorithms) and data display solutions, following a plug and play approach - Integrating data mining for knowledge discovery (DMKD) as a core technique for buildings' behaviour assessment and understanding The HIT2GAP solution will be applied as a novel intelligent layer offering new capability of the existing BMS systems and offering the management stakeholders opportunities for services with a novel added value. Applying the solutions to groups of buildings will also allow to test energy demand vs. local production management modules. This will be tested in various pilot sites across Europe.
Added value for ClimACT	ClimACT can use the platform created by the HIT2GAP project to monitor energy performance of the schools.

Cross cutting interests	New energy monitoring tools for buildings (H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries)
Webpage	www.hit2gap.eu/
Main contact point - <i>Name</i>	Tomasz
Main contact point - <i>Surname</i>	Matejczuk
Main contact point - <i>Title</i>	Company: Mostostal
Main contact point - <i>Country</i>	Poland
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Theme	Energy, resources and management

3.2.22 EnPC-INTRANS

Name of the initiative (project, platform, working group, initiative, etc.)	EnPC-INTRANS: Capacity Building on Energy Performance Contracting in European Markets in Transition.
Short summary of the initiative	EnPC-INTRANS aims to Develop local capacities of municipalities to set-up and use Energy Performance Contracting (EPC) for the financing of investments in energy efficiency improvements in public buildings and services.
Main outputs, results	Expected results: - 2,000 experts trained on the demand side of EPC for public buildings and services - 500 new buildings covered by EPC projects triggered by trained experts Expected impacts: - 60-90 GWh energy saved per year - 60-90 million Euro in new investments triggered
Added value for ClimACT	The business models developed by EnPC-INTRANS and the followed approach might be important an important a basis for ClimACT. Also, they have developed several workshops and other learning initiatives.
Cross cutting interests	New business models to improve energy efficiency in public buildings (EE-21-2014 - Development and market roll-out of innovative energy services and financial schemes for sustainable energy)
Webpage	http://www.enpc-intrans.eu/language/en/project/
Main contact point - <i>Name</i>	Bruno
Main contact point - <i>Surname</i>	Wilhelm
Main contact point - <i>Title</i>	Project Coordinator (Deutsche Gesellschaft für Internationale Zusammenarbeit - GIZ)
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Main contact point - <i>Email</i>	bruno.wilhelm@giz.de
Theme	Energy, resources and management

3.2.23 CITYnvest

Name of the initiative (project, platform, working group, initiative, etc.)	CITYnvest: Increasing Capacities in Cities for Innovative Financing in Energy Efficiency.
Short summary of the initiative	CITYnvest focuses on supporting and replicating successful innovative financing models for energy efficiency renovations in public buildings. The project features models based on Energy Performance Contracting (EPC), Third Party Financing (TPF), revolving funds, cooperatives and others.
Main outputs, results	CITYnvest's objectives: <ul style="list-style-type: none"> - Building capacities and skills of local authorities. - Triggering energy savings in three pilot regions in Belgium, Bulgaria and Spain. - Preparing ground for investments in energy efficient deep renovations of public buildings. - Shaping regulations and policies on local, national and European level. - Creating sustainable jobs.
Added value for ClimACT	The business models developed by EnPC-INTRANS and the followed approach might be important an important a basis for ClimACT. Also, they have developed several workshops and other learning initiatives.
Cross cutting interests	New business models to improve energy efficiency in public buildings (EE-21-2014 - Development and market roll-out of innovative energy services and financial schemes for sustainable energy)
Webpage	http://citynvest.eu/
Main contact point - Name	Elise
Main contact point - Surname	Steyaert
Main contact point - Title	Project Coordinator (Climate Alliance)
Main contact point - Country	Germany
Main contact point - Email	e.steyaert@climatealliance.org
Theme	Energy, resources and management

3.2.24 EPC_PLUS

Name of the initiative (project, platform, working group, initiative, etc.)	EPC_PLUS: Energy Performance Contracting Plus.
Short summary of the initiative	The ultimate goal of the EPC+ project is to reduce transaction costs of energy service packages drastically so that smaller investments and projects in SMEs become possible for companies offering energy services. This can only happen if both the technical solutions as well as the contractual issues of energy services are highly standardized. The energy services offered can be either partly or wholly financed with innovative financing solutions, or may be more service-oriented solutions with guaranteed energy performances.
Main outputs, results	The major outputs of the project include: (1) the development of commercial, standardized energy service packages for SMEs in each participant country. Each participant country will develop energy service packages that suit the specific and particular requirements of their country. These will include a standardized technical solution for a

	specific market sector, a model contract and, where possible, a financing solution. (2) The implementation of pilot projects for the EPC+ packages in each participant country (3) the set-up and management of clusters of companies (SPINS) in each participant countries. These clusters will offer energy services to the SME market, (4) the training of these clusters of companies in each participant country and (4) the development of an international e-market for energy service providers.
Added value for ClimACT	The innovative energy services developed by EPC+ might serve as inspiration to think about the business models to be developed by ClimACT. Additionally, EPC+ will develop an EPC platform which is an international 'market place' where – according to commonly agreed rules – members of different member states can efficiently and safely exchange valuable know-how between each other, and jointly develop EPC-models and SPIN-concepts.
Cross cutting interests	New business models to improve energy efficiency in public buildings (EE-21-2014 - Development and market roll-out of innovative energy services and financial schemes for sustainable energy)
Webpage	http://epcplus.org/
Main contact point - <i>Name</i>	Aristotelis
Main contact point - <i>Surname</i>	Botzios
Main contact point - <i>Title</i>	Project Coordinator (CRES - Centre for Renewable Energy Sources and Saving)
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Theme	Energy, resources and management

3.2.25 TOPAs

Name of the initiative (project, platform, working group, initiative, etc.)	TOPAs: Tools for cOntinuous building Performance Auditing.
Short summary of the initiative	TOPAs will develop an open, cloud based platform of analytic tools to minimise the gap between the predicted and the actual energy usage in blocks of buildings. TOPAs is targeting to reduce the existing gap to 10% and approach additional energy savings in the pilot regions up to 20%. TOPAs will focus on reducing the gap from an operational perspective, hence supporting Post Occupancy Evaluation (POE). TOPAs adopts the principle of continuous performance auditing and considers not only energy use but also an understanding of how buildings are used and their climatic state (environmental & air quality), thus providing a holistic performance audit process through supporting tools and methodologies that minimise the gap between predicted and actual energy use.
Main outputs, results	TOPAs's framework for continuous performance auditing will allow the better understanding of the actual energy performance in and across existing buildings and facilitate continuous performance improvement based on real operational use. TOPAs will provide decision support tools for building and facilities managers, owners and ESCOs to more effectively manage their site, providing visibility on how energy related decisions impact cost, occupant comfort and health and general management process. TOPAs will demonstrate the benefits of

	continuous auditing process through the use of the TOPAs solution under real operating conditions and scenarios in private and public commercial building blocks.
Added value for ClimACT	ClimACT can use the TOPAs solution for a continuous auditing process as basis for the audits in the schools.
Cross cutting interests	New energy monitoring tools and auditing in public buildings (H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries)
Webpage	https://www.topas-eeb.eu/
Main contact point - <i>Name</i>	Boris
Main contact point - <i>Surname</i>	Kantsepolsky
Main contact point - <i>Title</i>	Project Coordinator (Motorola Solutions Israel)
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Theme	Energy, resources and management

3.2.26 AMBASSADOR

Name of the initiative (project, platform, working group, initiative, etc.)	AMBASSADOR: Autonomous Management System Developed for Building and District Levels.
Short summary of the initiative	The purpose of the AMBASSADOR project is to study, develop and experiment systems and tools that will aim at optimising the energy usage in the perimeter of a district by managing the energy flows, predicting and mastering energy consumption and energy production. The overall goal is to define and experiment a system that optimises the cost of energy in a district, the cost being expressed in Primary Energy, CO ₂ or €. The project will investigate energy efficiency both at a building level and at a district level. A number of mechanisms and technical systems will be studied both at buildings and district level for the creation of such a system. The deployment timeframe of AMBASSADOR is around four years. The major part of results should be usable for transfer to development teams at the end of the project.
Main outputs, results	The main objectives of the project are: <ul style="list-style-type: none"> - To develop a holistic energy optimisation system for a district, taking advantage of the possible shared usage of the local energy production and storage and the complementarity of energy consumption profiles; - To develop additional management system functionalities to optimise building energy consumption; - To expose building or technical systems flexibilities to the district; - To validate through a number of selected scenarios some functions or services proposed by a DEMIS on the three validation sites; - To study different business models that can be successfully implemented.
Added value for ClimACT	WP8 is dedicated to the exploitation of AMBASSADOR results and their dissemination through the project website, publication in journals, presentation at conferences etc. and through organisation of AMBASSADOR final conference. Tutorials and summer school will be established during the course of the project. New business model will be developed and contribution of AMBASSADOR to standards will be

	considered. Existing state of energy management at building and district level will be also assessed. Namely D8.3 - Tutorials and summer school for energy managers might be important for ClimACT.
Cross cutting interests	Energy efficiency in buildings: - Development of new tools - Raising awareness and training (EeB.NMP.2012-1 - Interaction and integration between buildings, grids, heating and cooling networks, and energy storage and energy generation systems)
Webpage	http://ambassador-fp7.eu/
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Main contact point - <i>Surname</i>	Samperio
Main contact point - <i>Title</i>	Project Coordinator (SCHNEIDER ELECTRIC INDUSTRIES SAS)
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Main contact point - <i>Email</i>	alfredo.samperio@schneider-electric.com
Theme	Energy, resources and management

3.2.27 QUANTUM

Name of the initiative (project, platform, working group, initiative, etc.)	QUANTUM: Quality management for building performance - improving energy performance by life cycle quality management.
Short summary of the initiative	QUANTUM aims to develop and demonstrate pragmatic services and appropriate tools supporting quality management in the design, construction, commissioning and operation phase as a means to close this gap in European buildings. The project will integrate different innovative ICT-driven tools supporting the quality management process into building and energy services, and will apply them to a representative set of European buildings (taking into account different climate zones and different energy services). The result of this project will be a comprehensive QUANTUM quality management platform integrating tools, services and processes.
Main outputs, results	The partners will implement EU-wide dissemination activities to inform the stakeholders about the advantages of comprehensive quality management systems for the building industry, and to promote the tools validated in the project. Stakeholders that will benefit from the results of this project include building owners, tenants, ESCOs, developers, architects, engineering and consulting firms, students and public authorities. Aside from savings on the energy costs CO2 emissions will be reduced and employee productivity in buildings equipped with the tools and services will increase as well due to increased occupant comfort. From previous preliminary data and own estimations, the QUANTUM partners expect that the reduction in energy consumption achieved by coherent quality management for building performance to be more than 10%.
Added value for ClimACT	QUANTUM developed three tools that might be interesting to ClimACT and that permit a flexible application in various project situations. The tools are the following: "Energie Navigator", "Comfortmeter" and "HPS/NG9".

Cross cutting interests	Development of new tools to monitor energy performance and comfort in buildings (EeB-07-2015 - New tools and methodologies to reduce the gap between predicted and actual energy performances at the level of buildings and blocks of buildings)
Webpage	http://www.quantum-project.eu/about-us/
Main contact point - <i>Name</i>	Stefan
Main contact point - <i>Surname</i>	Plesser
Main contact point - <i>Title</i>	Project Coordinator (TECHNISCHE UNIVERSITAT BRAUNSCHWEIG - IGS)
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Main contact point - <i>Email</i>	contact@quantum-project.eu
Theme	Energy, resources and management

3.2.28 ee-WiSE

Name of the initiative (project, platform, working group, initiative, etc.)	ee-WiSE: Energy Efficiency Knowledge Transfer Framework for Building Retrofitting in the Mediterranean Area.
Short summary of the initiative	ee-WiSE aims to develop an EE Knowledge Transfer Framework (KTF) in building retrofitting with especial attention to SMEs, applied to a specific geographic area, the Mediterranean. ee-WiSE will be focused on the Mediterranean because its particular weather conditions require EE to be analysed by considering specific and not generic solutions. In addition, the Mediterranean economies had based much of its economic growth in a very traditional building sector which tremendously affected by the real estate bubble burst. Similarly, the project focuses on retrofitting rather than new buildings for the greatest potential of EE measures in existing buildings, the high incidence in CO2 emissions of the buildings stock and the large number of SMEs participating in this activity in construction sector.
Main outputs, results	Throughout its WP of conceptualization and definitions, information and best practices gathering and analysing, design of the KTF and its tools, and finally its validation, EE-wise will provide a useful methodology to imagine, design and validate EE enhancement measures in the Mediterranean environment to develop EE market and related business.
Added value for ClimACT	ee-WiSE produced several deliverables that might be important for ClimACT. For example: - D.1.1. - The Energy Efficiency value chain in the Mediterranean - D.3.1 - Needs and Best Practices for Knowledge Transfer - D.4.2.1 - The Design of the Knowledge Transfer Framework - D.5.2 – Validation of the Knowledge Transfer Framework - D.6.1 - Business Models: Guidelines for the Energy-Efficient Building sector
Cross cutting interests	Knowledge Transfer Framework focused on energy efficiency in buildings (EeB.NMP.2012-6 - Methodologies for Knowledge transfer within the value chain and particularly to SMEs)
Webpage	http://www.ee-wise.eu/eewise/app/cms
Main contact point - <i>Name</i>	Isabel Maria

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Main contact point - <i>Email</i>	ee-wise@intromac.com
Theme	Energy, resources and management

3.2.29 EeB-CA2

Name of the initiative (project, platform, working group, initiative, etc.)	Title: EeB Cluster Activities Coordination Action.
Short summary of the initiative	EeB-CA2 initiative is to provide the right set of instruments supporting technology-clustering and geo-clustering upon the whole set of EeB PPP EC-funded projects related to energy efficiency in the built environment, with the following primary ambition: to enhance and rationalise coordinated and broader dissemination, technology transfer and future exploitation activities of clustered projects, so as to help them better promoting and marketing their achievements and deliverables.
Main outputs, results	Development of the EeB-CA2 platform: aimed to collect and cluster inputs/deliverables from all EeB cPPP projects, and is open to any technological and organisational solution as long as it deals with the Platform core and objectives, i.e. targeting technology deployment and transfer to market. The platform provides detailed and concrete feedback to European stakeholders (and beyond) who can use it to map their needs with the solutions as submitted by the projects. Its aim is to organise a solution-oriented dialogue between all, yet diverse stakeholders to provide useful and usable outcomes – by stakeholders for stakeholders – at various levels.
Added value for ClimACT	The EeB-CA2 platform might be an important vehicle for ClimACT both to search results from EeB cPPP projects regarding technological innovations and also for knowledge sharing.
Cross cutting interests	Knowledge transfer platform focused on energy efficiency in buildings (H2020-EU.2.1.5.2. - Technologies enabling energy-efficient systems and energy-efficient buildings with a low environmental impact)
Webpage	http://www.e2b-clusters.eu/
Main contact point - <i>Name</i>	Luc
Main contact point - <i>Surname</i>	Bourdeau
Main contact point - <i>Title</i>	Project Coordinator (CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT)
Main contact point - <i>Country</i>	France
Main contact point - <i>Email</i>	luc.bourdeau@cstb.fr
Theme	Energy, resources and management

3.2.30 Cit'ergie

Name of the initiative (project, platform, working group, initiative, etc.)	Cit'ergie
Short summary of the initiative	Supports municipalities willing to contribute to sustainable energy policy and urban development through the rational use of energy and increased use of renewable energies.
Main outputs, results	Publication of an action plan for an energy policy with tools and the method of the Label. Choose priority actions; Targets: 20% of efficiency energy, 23% renewable energy for communal consumption, -20% of greenhouse gas since 1990.
Added value for ClimACT	Optimising and successfully implementing Municipal Energy and Climate Protection Activities
Cross cutting interests	Practical actions about energy: Tools and method
Webpage	http://www.citergie.ademe.fr/
Main contact point - Name	Emilie
Main contact point - Surname	Maloingne
Main contact point - Title	Project leader, Ville de La Rochelle
Main contact point - Country	France
Main contact point - Email	emilie.maloingne@ville-larochelle.fr; jean-philippe.estrade@ademe.fr n.thibault@projetsetterritoires.fr
Theme	Energy, resources and management

3.2.31 Défi Famille à Energie Positive

Name of the initiative (project, platform, working group, initiative, etc.)	Défi Famille à Energie Positive / Positive energy families
Short summary of the initiative	The challenge "Positive Energy Families" aims to demonstrate that it is possible to significantly reduce greenhouse gas emissions by engaging people in concrete and measurable actions, which will also have the advantage of reducing the energy bill.
Main outputs, results	Follow-up of electrical consumption. Adaptation of the installation to their lifestyle.
Added value for ClimACT	Methods to help people adopting adequate habits and behaviour for the environment and to decrease their energy consumption.
Cross cutting interests	Record action and monitoring. Comparing indicators and educative methods.
Webpage	http://poitou-charentes.familles-a-energie-positive.fr www.familles-a-energie-positive.fr http://www.agglo-larochelle.fr/defi-familles-a-energie-positive
Main contact point - Name	Marianne
Main contact point - Surname	Juin
Main contact point - Title	Project leader
Main contact point - Country	France
Main contact point - Email	franck.bauchaud@agglo-larochelle.fr

	eie@agglo-larochelle.fr
Theme	Energy, resources and management. Awareness raising about energy consumption

3.2.32 Ecocasa

Name of the initiative (project, platform, working group, initiative, etc.)	Ecocasa
Short summary of the initiative	With areas like energy efficiency and climate change, this project seeks to aware society in general to better manage energy consumption in the domestic sector, either by encouraging a more moderate use, and teaching how to make more efficient the unavoidable consumption.
Main outputs, results	Workshops, seminars, videos and academic theses
Added value for ClimACT	Guidelines for climate awareness
Cross cutting interests	Tools for energy efficiency
Webpage	http://www.ecocasa.pt
Main contact point - Name	
Main contact point - Surname	
Main contact point - Title	
Main contact point - Country	Portugal
Main contact point - Email	ecocasa@quercus.pt
Theme	Energy, resources and management (Renewable energy, resource efficiency)

3.2.33 Energy Off

Name of the initiative (project, platform, working group, initiative, etc.)	Energy Off
Short summary of the initiative	This contest is an initiative that seeks to distinguish the three companies participating in the project that can achieve the greatest reductions in their energy consumption, serving like this for example.
Main outputs, results	The Energy OFF tool offers to Portuguese offices a set of features to facilitate their energy management. This tool is available online.
Added value for ClimACT	Guidelines for monitoring energy consumption
Cross cutting interests	Tools for energy monitoring
Webpage	http://energyoff.pt
Main contact point - Name	
Main contact point - Surname	
Main contact point - Title	
Main contact point - Country	Portugal
Main contact point - Email	info@energyoff.pt

Theme	Energy, resources and management (energy management)
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3.3 Indoor Air Quality

3.3.1 PURGE

Name of the initiative (project, platform, working group, initiative, etc.)	PURGE project. Public health impacts in Urban environments of Greenhouse gas Emissions reductions strategies (2011-2014) (7 th FP)
Short summary of the initiative	Purge project is funded by the European Commission by its 7th Framework Programme. It examines the health impacts of greenhouse gas (GHG) reduction policies in urban settings in Europe, China and India, using case studies of 3-4 large urban centres and three smaller urban centres.
Main outputs, results	Outcomes of PURGE project have been published in several scientific publications. They are related to Transport sector, Built environment, Outdoor air pollution, Consumption and behaviour, and Quantifying uncertainty. Indoor air quality (IAQ) of several schools have been evaluated.
Added value for ClimACT	The methodology of measurement and tested values of indoor air quality (AIQ) of Serbian Schools can be used as a example for the WP3 deployment. Publications are available in PURGE webpage.
Cross cutting interests	Indoor air quality modelling. Benefits of low carbon measures in human health.
Webpage	http://purge.lshtm.ac.uk/
Main contact point - Name	Jana
Main contact point - Surname	Sabinovska
Main contact point - Title	Project Coordinator, London School of Hygiene and Tropical Medicine (LSHTM)
Main contact point - Country	United Kingdom
Main contact point - Email	Jana.Sabinovska@lshtm.ac.uk
Theme	Indoor air quality

3.3.2 INSULAtE

Name of the initiative (project, platform, working group, initiative, etc.)	INSULAtE-project
Short summary of the initiative	INSULAtE-project aims to demonstrate how energy improvements impact on these indoor environmental parameters, and to develop a protocol for assessment of the impacts. A work group of the project assessed of indoor environmental quality (IEQ) in elementary school buildings and its association with students' learning outcomes.
Main outputs, results	Building characteristics, indoor environmental quality, and mathematics achievement in Finnish elementary schools. Results published in Building and Environment: http://www.sciencedirect.com/science/article/pii/S0360132316301512

Added value for ClimACT	Measurement methodology of Indoor Environmental Quality. Reference values of school performance
Cross cutting interests	School building characteristics, IEQ
Webpage	http://www.insulateproject.eu/
Main contact point - <i>Name</i>	Oluyemi
Main contact point - <i>Surname</i>	Toyinbo
Main contact point - <i>Title</i>	"First author of reported article with results of Finnish elementary schools. National Institute for Health and Welfare, P.O. Box 95, FI-70701 Kuopio Finland"
Main contact point - <i>Country</i>	Finland
Main contact point - <i>Email</i>	oluyemi.toyinbo@thl.fi
Theme	Indoor Air Quality

3.3.3 ARIA

Name of the initiative (project, platform, working group, initiative, etc.)	ARIA Project (2013-2015), from Foundation for Science and Technology co-financed by European Regional Development Fund.
Short summary of the initiative	How indoor air quality can affect children allergies and asthma. The aim of project ARIA was to contribute towards a better understanding of the effects of the exposure to schools' indoor air on children's health, taking also into account the contribution of the home environment.
Main outputs, results	Published article with comprehensive characterization of a vast array of indoor air pollutants in 73 classrooms and investigates its relationship with respiratory symptoms among children aged 8e10 years. It shows that the exposure levels for the most indoor air parameters in the schools in the current study are in accordance with IAQ guidelines/ recommendations, except for particulate matter and bio aerosols. Also, results showed that children exposed to higher TVOC concentrations had a twofold increased risk of having asthma-related symptoms. http://www.sciencedirect.com/science/article/pii/S1352231015302272
Added value for ClimACT	Measurement methodology of IAQ in schools. Reference values of IAQ parameters.
Cross cutting interests	Healthy in schools. IAQ. Indoor air pollutants.
Webpage	http://ariaproject.weebly.com/
Main contact point - <i>Name</i>	Eduardo
Main contact point - <i>Surname</i>	de Oliveira Fernandes
Main contact point - <i>Title</i>	Instituto de Engenharia Mecânica
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	eof@fe.up.pt
Theme	Indoor Air Quality

3.3.4 Schoolventcool

Name of the initiative (project, platform, working group, initiative, etc.)	Project: Schoolventcool. Ventilation, cooling and education in high performance renovated school buildings.
Short summary of the initiative	Assessment of indoor climate and window opening behaviour by pupils, as well as their perceptions and symptoms in classrooms with different types of ventilation systems.
Main outputs, results	Innovative ventilation and shading systems have been documented and tested in demonstration buildings. Some results were published in a scientific article. Four classrooms were assessed in the same school in suburban Denmark. Classroom ventilation was achieved either by manually operable windows, or by automatically operable windows with and without an exhaust fan in operation, or by a balanced mechanical ventilation system. Results showed that perceptions of the indoor environment were more positive in the classroom that was ventilated by automatically operable windows, http://www.sciencedirect.com/science/article/pii/S0360132314000183
Added value for ClimACT	Ventilation systems for schools. Comparison, advantages and drawbacks.
Cross cutting interests	Ventilation systems. HVAC&R systems
Webpage	www.schoolventcool.eu
Main contact point - Name	Armin
Main contact point - Surname	Knotzer
Main contact point - Title	Project management. AEE - Institut für Nachhaltige Technologien
Main contact point - Country	Austria
Main contact point - Email	a.knotzer@aee.at
Theme	Indoor Air Quality

3.3.5 Indoor Air Program

Name of the initiative (project, platform, working group, initiative, etc.)	Indoor Air Program (The University of Tulsa)
Short summary of the initiative	Evaluation of associations between different indoor environmental quality (IEQ) indicators and students' performance, absenteeism and health data.
Main outputs, results	Sampling and monitoring were conducted in a 70 school district in the Southwestern United States during two academic years. Results were published in Building and Environment: http://www.sciencedirect.com/science/article/pii/S0360132315001092
Added value for ClimACT	Measurement methodology of IAQ in schools. Reference values of IAQ parameters.
Cross cutting interests	Healthy in schools. Relationship between children's health and IAQ.
Webpage	http://orgs.utulsa.edu/iap/
Main contact point - Name	Richard J.
Main contact point - Surname	Shaughnessy

Main contact point - <i>Title</i>	Indoor Air Program, The University of Tulsa
Main contact point - <i>Country</i>	Oklahoma, USA
Main contact point - <i>Email</i>	rjstulsau@aol.com
Theme	Indoor Air Quality

3.3.6 Thermal comfort and energy efficiency in air-conditioned spaces with high internal loads

Name of the initiative (project, platform, working group, initiative, etc.)	Thesis: Miguel Angel Campano (2015). Thermal comfort and energy efficiency in air-conditioned spaces with high internal loads: application to non-university educational spaces in Andalusia
Short summary of the initiative	This doctoral thesis presents the non-university educational institution's thermal comfort characterization of the non-university educational institutions, focusing on the Andalusian regional area, also associating this parameter with the hydrothermal conditioning systems behaviour, in order to establish a set of HVAC systems design guidelines, with which a better comfort conditions and a higher energy efficiency of the building facilities can be obtained.
Main outputs, results	<p>-Heating in Andalusian schools are mostly based on water radiator systems and cooling is usually implemented through split heat pump. Ventilation systems are based mainly on infiltrations through the envelopes and windows (only new schools implement ventilation systems).</p> <p>-Schools present thermal stratification problems due to inappropriate heating and cooling systems.</p> <p>-Radiant floor systems achieve the more efficient thermal performance in Andalusian schools.</p>
Added value for ClimACT	The assessment method and achieved conclusions about energy and environmental performance of Andalusian schools can be taken as a reference in ClimACT project.
Cross cutting interests	CDF in schools. Energy simulation. Characterization of school buildings
Webpage	https://idus.us.es/xmlui/handle/11441/30632
Main contact point - <i>Name</i>	Miguel Angel
Main contact point - <i>Surname</i>	Campano Laborda
Main contact point - <i>Title</i>	Teacher and researcher at the University of Seville
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	mcampano@us.es
Theme	Indoor Air Quality

3.3.7 Edificios saludables para trabajadores sanos: calidad de ambientes interiores

Name of the initiative	Book: F.J. Rey Martínez, R. Ceña Callejo, Edificios saludables para trabajadores sanos: calidad de ambientes interiores, 2006.
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(project, platform, working group, initiative, etc.)	
Short summary of the initiative	Characterisation parameters of Indoor Air Quality in buildings
Main outputs, results	Guideline for sustainable and healthy indoor environments
Added value for ClimACT	Reference values of IAQ in healthy indoor environments
Cross cutting interests	IAQ, healthy.
Webpage	
Main contact point - <i>Name</i>	Francisco Javier
Main contact point - <i>Surname</i>	Rey Martínez
Main contact point - <i>Title</i>	Catedrático de Universidad. E.T.S. Ingenieros Industriales. Dpto. Ingeniería Energética y Fluidomecánica. Universidad de Valladolid
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	rey@eis.uva.es
Theme	Indoor Air Quality

3.3.8 AIRLOG

Name of the initiative (project, platform, working group, initiative, etc.)	AIRLOG
Short summary of the initiative	<p>AIRLOG aims at:</p> <ul style="list-style-type: none"> - Helping auditors improve their audits - Helping clients better understand the IAQ control and maintenance processes - Improving IAQ control in EU buildings - AIRLOG is designed to provide comprehensive state-of-the-art guidance for managing and diagnosing IAQ in buildings, and ultimately becoming a Good Practices Digital Guide in EU IAQ.
Main outputs, results	<ul style="list-style-type: none"> - A virtual management platform that will create an objective, measurement-based framework for indoor air quality audits in buildings. - The database will be a repository of important value, as it will combine exposure data bases, standardization requirements, harmonization and cooperation across Europe, examples on multidisciplinary approaches, and concrete data on specific measures, among other data. - A web-based IAQ audit support and decision support system will offer up-to-date support, training and knowledge on IAQ audits and management systems.
Added value for ClimACT	<ul style="list-style-type: none"> - can help define some guidelines for the IAQ audits - the database can have useful information to cross with ClimACT database
Cross cutting interests	IAQ, audits
Webpage	http://www.iaq-airlog.eu/ http://cordis.europa.eu/result/rcn/62318_en.html
Main contact point - <i>Name</i>	Albert

Main contact point - <i>Surname</i>	Nieto
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	by airlog website
Theme	Indoor Air Quality

3.3.9 AIVC

Name of the initiative (project, platform, working group, initiative, etc.)	AIVC
Short summary of the initiative	AIVC (Air infiltration and Ventilation Centre) is the IEA information centre on energy efficient ventilation. In recognition of the significant impact of ventilation on energy use, combined with concerns over indoor air quality, the International Energy Agency (IEA) inaugurated the Air Infiltration and Ventilation Centre in 1979 (To be more precise, the AIVC is one of the annexes running under the Energy in Buildings and Communities (EBC) Programme (http://www.iea-ebc.org/) which is one of the Implementing Agreements of the IEA).
Main outputs, results	<ul style="list-style-type: none"> - Services and facilities, including comprehensive database on literature standards, and ventilation data. - produce a series of guides and technical notes. - holds annual conferences and workshops. - Industry and research organisations technical support aimed at optimizing ventilation technology.
Added value for ClimACT	- guidelines for IAQ evaluation
Cross cutting interests	IAQ information
Webpage	http://www.aivc.org/
Main contact point - <i>Name</i>	
Main contact point - <i>Surname</i>	
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	
Main contact point - <i>Email</i>	http://www.aivc.org/questions-aivc
Theme	Indoor Air Quality

3.3.10 OQAI

Name of the initiative (project, platform, working group, initiative, etc.)	OQAI: French National Observatory of Indoor Air Quality
Short summary of the initiative	The French Observatory of Indoor Air Quality was founded in 2003 with the aim to characterize indoor air quality in various kind of buildings. Beside measurements, OQAI provides information to public authorities

	to steer policies, as well as recommendations to the general public to reduce their exposure.
Main outputs, results	IAQ measurements in about 700 dwellings were carried out from 2003 to 2007. IAQ measurements in 300 office buildings and 300 schools located all over France are in progress. Data on energy consumptions and IAQ in low energy buildings is also collected. OQAI also proposed lists of priority contaminants for residential building, office buildings and schools, based on measured concentration levels, frequency of detection and health-based concentration guidelines
Added value for ClimACT	The database on pollutant concentrations in French schools can serve as a reference to assess the air quality level in pilot schools, define targets, and define actions to be undertaken in schools exhibiting high concentrations of some contaminants.
Cross cutting interests	Comparison of IAQ in schools from different countries Identification of building configurations or practices leading to good IAQ
Webpage	http://www.oqai.fr
Main contact point - Name	Corinne
Main contact point - Surname	Mandin
Main contact point - Title	Project coordinator
Main contact point - Country	France
Main contact point - Email	corinne.mandin@cstb.fr
Theme	Indoor Air Quality

3.3.11 SINPHONIE

Name of the initiative (project, platform, working group, initiative, etc.)	SINPHONIE project
Short summary of the initiative	<p>The SINPHONIE project (2010-2012) - Schools Indoor Pollution and Health: Observatory Network in Europe is a complex research project covering the areas of health, environment, transport and climate change and aimed at improving air quality in schools and kindergartens. The project is implemented under a European Commission service contract (DG Sanco, Health and Consumer Protection Directorate).</p> <p>Thirty-eight environment and health institutions from 25 countries are participating in the SINPHONIE research project in order to implement Regional Priority Goal III (RPG3) of the Children's Environment and Health Action Plan for Europe (CEHAPE), which is to prevent and reduce respiratory disease due to outdoor and indoor air pollution. The SINPHONIE project is an example of the practical implementation of the EU Environment and Health Action Plan.</p> <p>Its overall objectives are to: (a) contribute to the better characterisation of IAQ in schools in the EU; (b) produce recommendations and guidelines on remedial measures in the school environment to cover a wide range of situations in Europe; and (c) disseminate these guidelines to policy makers and other stakeholders who are able to take action in European countries.</p>
Main outputs, results	- Measurement of physical parameters (T, RH, airflow rate) and pollutant concentrations (formaldehyde, benzene, α -pinene, limonene,

	<p>naphthalene, NO₂, CO, CO₂, radon, trichloroethylene, tetrachloroethylene, PAH and BaP, particulate matter (PM₁₀ and PM_{2.5}), allergens in dust and mould, bacteria in dust and air) in the school indoor and related outdoor air of 114 primary schools of 23 European countries.</p> <ul style="list-style-type: none"> - Evaluation of the impact of the outdoor air surrounding the school environment, including the effects of transportation, traffic and climate change. - European Guidelines for Healthy Environments within European Schools - Information brochures for children, parents and the staff of the schools about the results of the project and recommendations for the healthy school environment.
Added value for ClimACT	<ul style="list-style-type: none"> - Reference data for pollutant concentrations in schools. - Use of recommendations to define relevant actions to improve IAQ as a function of climate and outdoor environment, as well as to develop educational supports for the ClimACT academy. - IAQ assessment methodologies. - Recommendations on remedial measures in the school environment. - Ideas for school activities.
Cross cutting interests	<ul style="list-style-type: none"> - Improvement of IAQ and comfort in schools considering energy issues and influence of the outdoor environment - Info brochures, interaction with schools
Webpage	http://www.sinphonie.eu/
Main contact point - <i>Name</i>	Eva
Main contact point - <i>Surname</i>	Csobod
Main contact point - <i>Title</i>	Dr, General project manager
Main contact point - <i>Country</i>	Hungary
Main contact point - <i>Email</i>	ecsobod@rec.org ; coordination_sinphonie@rec.org
Theme	Indoor Air Quality in schools

3.3.12 ECOL'AIR

Name of the initiative (project, platform, working group, initiative, etc.)	Ecol'Air package
Short summary of the initiative	Toolkit of recommendations and guidelines for stakeholders to improve indoor air quality in schools
Main outputs, results	The toolkit contains a series of illustrated files dealing with various topics related to indoor air quality in schools, e.g. IAQ diagnosis, ventilation system, cleaning products or window opening.
Added value for ClimACT	The toolkit contains guidelines that may help in defining actions to be undertaken to improve IAQ and serve as a basis to handle IAQ in the frame of works to improve the energy efficiency of school buildings
Cross cutting interests	<p>Definition of actions to improve IAQ in schools considering the energy impact.</p> <p>Education of stakeholders to IAQ and good practices to reduce health risk related to indoor pollution in schools.</p>
Webpage	http://www.atmo-france.org/fr/index.php?/20110126295/la-mallette-ecol-air/id-menu-120.html

Main contact point - <i>Name</i>	Pierre
Main contact point - <i>Surname</i>	Barles
Main contact point - <i>Title</i>	Project designer
Main contact point - <i>Country</i>	France
Main contact point - <i>Email</i>	pbarles@wanadoo.fr
Theme	Indoor Air Quality in schools

3.3.13 INCITAIR

Name of the initiative (project, platform, working group, initiative, etc.)	INCITAIR project
Short summary of the initiative	The INCITAIR project (2014-2016) aimed to develop a method and tools to consider the IAQ criterion in the frame of call for tenders related to schools.
Main outputs, results	Compilation of VOC emission rates from materials, equipment and school activities. Prioritization of formaldehyde sources in elementary and nursery schools Package to assess tenders in the frame of call for tenders related to renovation works in schools, purchase of materials and purchase of school furnishings
Added value for ClimACT	Database of VOC emissions from school materials, equipment and activities Prioritization of formaldehyde sources in schools can serve as a basis to define efficient actions to reduce the occupants' exposure
Cross cutting interests	Practical tools for stakeholders to improve IAQ in schools
Webpage	No webpage
Main contact point - <i>Name</i>	Jérôme
Main contact point - <i>Surname</i>	Nicolle
Main contact point - <i>Title</i>	Project leader
Main contact point - <i>Country</i>	France
Main contact point - <i>Email</i>	Jerome.nicolle@univ-lr.fr
Theme	Indoor Air Quality in schools

3.3.14 IMPACTAIR

Name of the initiative (project, platform, working group, initiative, etc.)	Impactair
Short summary of the initiative	The IMPACTAIR project aimed to define best practices and actions to undertake as a way to improve IAQ in schools. Workshops were organised to raise the occupants and stakeholders' awareness of IAQ. Besides, brochures and guidelines were published.

Main outputs, results	CO2, formaldehyde and benzene concentration measurements in all schools (more than 50) and kindergartens of the city of La Rochelle during the heating and warm period. Online monitoring of comfort (T/RH), VOC concentrations, formaldehyde concentrations and window openings in 2 schools for 3 weeks : assessment of 2 different ventilation strategies Guidelines and IAQ awareness actions to school stakeholders
Added value for ClimACT	Dynamic changes in pollutant concentrations in schools Quantification of IAQ improvement resulting from specified natural ventilation (window openings) strategies
Cross cutting interests	Awareness of stakeholders to IAQ
Webpage	No webpage
Main contact point - <i>Name</i>	Béatrice
Main contact point - <i>Surname</i>	Cormerais
Main contact point - <i>Title</i>	Project leader
Main contact point - <i>Country</i>	France
Main contact point - <i>Email</i>	beatrice.cormerais@ville-larochelle.fr
Theme	Indoor Air Quality in schools

3.3.15 BIBA

Name of the initiative (project, platform, working group, initiative, etc.)	BIBA Project
Short summary of the initiative	The objectives of this study (2008-2009) were 1/ to assess the air quality in Flemish primary schools (30 schools representing 90 classrooms were investigated), 2/ study the influence of the outdoor air quality, ventilation and classroom design, 3/ characterize the effectiveness of selected actions to improve indoor air quality, 4/ assess the respiratory health situation in a subset of the studied population and 5/ formulate recommendations for environmental policy. Several contaminant concentrations (VOC, PM, mould) were monitored in classrooms during the heating season. Among all actions assessed, particular emphasis was put on measuring the effectiveness of an educational program on classroom ventilation for pupils, called 'Lekker Fris'
Main outputs, results	Database on pollutant in classrooms Demonstration of the possibility to decrease CO2 concentrations during the occupancy period by applying the 'Lekker Fris' educational program - Strong influence of the follow up by the teacher and the ventilation possibilities of the classroom on the efficiency of the program. Significant reduction of the occupants' exposure to particles by installing a portable air cleaner with an HEPA filter
Added value for ClimACT	Information about the influence of the outdoor environment on IAQ and the parts of sources to the occupants' exposure to pollutants Assessment of various kinds of actions to improve IAQ, including window opening strategies and air cleaning
Cross cutting interests	Education to IAQ and awareness of occupants to the importance of ventilation

Webpage	https://esites.vito.be/sites/BIBA/EN/home/Pages/home.aspx
Main contact point - <i>Name</i>	Marianne
Main contact point - <i>Surname</i>	Stranger
Main contact point - <i>Title</i>	Project leader
Main contact point - <i>Country</i>	Belgium
Main contact point - <i>Email</i>	marianne.stranger@vito.be
Theme	Indoor Air Quality in Schools

3.3.16 Tools for Schools Action Kit

Name of the initiative (project, platform, working group, initiative, etc.)	Tools for Schools Action Kit for Canadian Schools
Short summary of the initiative	<p>The IAQ Tools for Schools Action Kit was developed at Health Canada based on a similar kit developed by the United States Environment Protection Agency. It is a practical tool to help school boards, principals and their management teams, and school employees understand and address IAQ problems.</p> <p>The kit provides clear and easily applied information and activities that can be used to improve the indoor environment of schools, help prevent indoor air quality problems, and promptly resolve problems if they do arise. Especially the kit contains specific structured checklists for different building systems or school areas. These checklists identify the major roles and responsibilities of those individuals who should be on the IAQ team. The checklists are intended to educate and direct principals and their management teams and other school employees in the collection and interpretation of IAQ-related information. The kit is intended primarily for use by elementary and secondary schools, however its principles and activities can also benefit community colleges, universities, and preschool and daycare centres.</p>
Main outputs, results	<p>Three consultation workshops, involving approximately 250 stakeholders from across the country, were held to obtain feedback on the Canadian kit.</p> <p>In 2002, the kit was pilot tested in 44 schools across Canada</p>
Added value for ClimACT	<p>Quick diagnosis of IAQ from checklist</p> <p>Specification of possible actions to maintain or improve IAQ in classrooms</p> <p>Educational supports for the Climact academy (primary schools but also grammar schools, high schools and universities)</p>
Cross cutting interests	<p>The method requires involvement of various stakeholders (school boards, principals, teachers, school employees, ...)</p> <p>Development of IAQ awareness, empowerment, and skills within a school</p>
Webpage	http://www.hc-sc.gc.ca/ewh-semt/pubs/air/tools_school-ouils_ecoles/index-eng.php
Main contact point - <i>Name</i>	Francis
Main contact point - <i>Surname</i>	Lavoie
Main contact point - <i>Title</i>	Biologist, Healthy Environments and Consumer Safety Branch Health Canada

Main contact point - Country	Canada
Main contact point - Email	francis.lavoie@hc-sc.gc.ca
Theme	Indoor Air Quality in schools

3.3.17 IAQ Tools for Schools Action Kit

Name of the initiative (project, platform, working group, initiative, etc.)	IAQ Tools for Schools Action Kit (USA)
Short summary of the initiative	IAQ Tools for Schools Action Kit was developed by the US-EPA. It shows schools how to carry out a practical plan to improve indoor air problems at little- or no-cost using straightforward activities and in-house staff. The kit contains reference guides, an IAQ interactive problem solving tool, 11 checklists to engage school staff and key stakeholders in the process of school inspections and sustaining an IAQ management program, and 4 fact sheets providing information on factors affecting IAQ, radon management in schools, framework for effective school IAQ management, and finally asthma management in the school environment. A mobile application of the Kit is available for school managers
Main outputs, results	The most recent study (2012) reveals that 47.7% of schools have adopted an IAQ action plan in the USA. 82.3% of them used the IAQ Tools for Schools Action Kit to do that. The kit was created since 1995 and has been used by many schools throughout USA. Significant efficiency of IAQ could be demonstrated based on occupants and school nurses' reports. The School IAQ Assessment mobile application, launched in august 2015) already has 1400 active users. The US-EPA organizes webinars and yearly meetings of stakeholders as a way to provide information and share experience.
Added value for ClimACT	List of no-cost or low-cost actions to improve IAQ
Cross cutting interests	Awareness of school managers and occupants to the importance of IAQ management in schools IAQ audits in schools
Webpage	https://www.epa.gov/iaq-schools
Main contact point - Name	Jennifer
Main contact point - Surname	Lemon
Main contact point - Title	Project leader at US-EPA Indoor Environment Division
Main contact point - Country	USA
Main contact point - Email	lemon.jennifer@epa.gov
Theme	Indoor Air Quality in Schools

3.3.18 ABCD'Air

Name of the initiative	ABCD'Air
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(project, platform, working group, initiative, etc.)	
Short summary of the initiative	ABCD'Air is a program funded by the Air and Climate agency of Wallonie. It aims to raise the awareness of children to the importance of breathing healthy air and develop skills to maintain or improve the air quality in their classroom. The method consist in educational activities using a dedicated tool kit. The latter includes 54 activity files and supports to carry out experiments (CO2 sensor, maquette of the classroom to illustrate ventilation techniques, etc.). A two-day training is proposed to teachers.
Main outputs, results	The method was tested in 10 pilot schools.
Added value for ClimACT	Specification of possible actions to maintain or improve IAQ in classrooms Educational supports for the ClimACT academy Feedback from education sessions to IAQ in nursery and primary schools
Cross cutting interests	Education and awareness raising of children to IAQ
Webpage	http://www.abcdair-hypothese.be/pagePartenaires.html
Main contact point - Name	Sabine
Main contact point - Surname	Daro
Main contact point - Title	Administrator and president of the Hypothese association
Main contact point - Country	Belgium
Main contact point - Email	s.daro@hypothese.be
Theme	Indoor Air Quality in schools

3.3.19 LIFE INDEX-AIR

Name of the initiative (project, platform, working group, initiative, etc.)	LIFE Index-Air
Short summary of the initiative	The main objective of this project is to incorporate a database of outdoor and indoor air quality and a package of models to develop an innovative and versatile policy tool that will establish a relation between population exposure to mixtures of PM compounds and emission sources.
Main outputs, results	1) Versatile and long term decision making tool; 2) Database on chemical constituents of PM2.5 and PM10 (indoors and outdoors); 3) Determination of emission sources.
Added value for ClimACT	This project will start in October 2016 and will be coordinated by the same IST team as ClimACT project. It will be developed in Lisbon' schools. Indoor Air Quality measurements will be developed not only in schools but also in transports and homes. Impact on health of mitigation actions will be evaluated by the LIFE Index-Air tool.
Cross cutting interests	1) Indoor Air Quality; 2) Schools; 3) Mitigation actions; 4) Health impact assessment of actions.
Webpage	Not available yet
Main contact point - Name	Marta

Main contact point - Surname	Almeida
Main contact point - Title	Project coordinator: Instituto Superior Técnico Researcher
Main contact point - Country	Portugal
Main contact point - Email	smarta@ctn.tecnico.ulisboa.pt
Theme	Air Quality

3.3.20 ISIAQ

Name of the initiative (project, platform, working group, initiative, etc.)	ISIAQ: International Society of Indoor Air Quality and Climate
Short summary of the initiative	As a Society, our major role is to facilitate international and interdisciplinary communication and information exchange by publishing and fostering publication on indoor air quality and climate.
Main outputs, results	Main goal is to facilitate international and interdisciplinary communication and information exchange by publishing and fostering publication on indoor air quality and climate. ISIAQ organize, sponsors and supports initiatives such as meetings, conferences, and seminars on indoor air quality and climate; and also develops, adapts and maintains guidelines for the improvement of indoor air quality and climate.
Added value for ClimACT	Network of scientists and professionals working within IAQ field worldwide.
Cross cutting interests	Indoor Air Quality
Webpage	http://www.isiaq.org/
Main contact point - Name	n/a
Main contact point - Surname	n/a
Main contact point - Title	n/a
Main contact point - Country	n/a
Main contact point - Email	info@isiaq.org
Theme	Indoor Air Quality

3.3.21 ECO-SEE

Name of the initiative (project, platform, working group, initiative, etc.)	ECO-SEE: Energy Performance Contracting Plus
Short summary of the initiative	The ultimate goal of the EPC+ project is to reduce transaction costs of energy service packages drastically so that smaller investments and projects in SMEs become possible for companies offering energy services. This can only happen if both the technical solutions as well as the contractual issues of energy services are highly standardized. The energy services offered can be either partly or wholly financed with innovative financing solutions, or may be more service-oriented solutions with guaranteed energy performances.

Main outputs, results	The major outputs of the project include: (1) the development of commercial, standardized energy service packages for SMEs in each participant country. Each participant country will develop energy service packages that suit the specific and particular requirements of their country. These will include a standardized technical solution for a specific market sector, a model contract and, where possible, a financing solution. (2) the implementation of pilot projects for the EPC+ packages in each participant country (3) the set-up and management of clusters of companies (SPINS) in each participant countries. These clusters will offer energy services to the SME market, (4) the training of these clusters of companies in each participant country and (4) the development of an international e-market for energy service providers.
Added value for ClimACT	The innovative energy services developed by EPC+ might serve as inspiration to think about the business models to be developed by ClimACT. Additionally, EPC+ will develop an EPC platform which is an international 'market place' where – according to commonly agreed rules – members of different member states can efficiently and safely exchange valuable know-how between each other, and jointly develop EPC-models and SPIN-concepts.
Cross cutting interests	New business models to improve energy efficiency in public buildings (EE-21-2014 - Development and market roll-out of innovative energy services and financial schemes for sustainable energy)
Webpage	http://epcplus.org/
Main contact point - Name	Aristotelis
Main contact point - Surname	Botzios
Main contact point - Title	Project Coordinator (CRES - Centre for Renewable Energy Sources and Saving)
Main contact point - Country	Greece
Main contact point - Email	abotzios@cres.gr
Theme	Indoor Air Quality

3.3.22 AIRLOG

Name of the initiative (project, platform, working group, initiative, etc.)	AIRLOG: Integrated platform for intelligent indoor air quality audit management.
Short summary of the initiative	AIRLOG aimed to develop a web-based indoor air quality audit management platform. The development was intended to lower the costs while improving and automating the process of conducting air quality audits. A further purpose was to suggest the most effective remediation of indoor air pollution. The system was planned to incorporate an adaptive decision-support system (DSS) and other modules, including a simulator. The project set 18 technical goals relating to development, dissemination and exploitation of the system. Early stages involved documentation and analysis of the auditing process. Details included the EU state of the art, plus key pollutants and levels. The team collated and analysed legislative, guideline and process information for five EU countries. Utilising such data, researchers established the AIRLOG platform architecture, based on four

	complementary approaches. The work yielded a five-step AIRLOG audit process, which was compared against existing processes.
Main outputs, results	<p>The team defined the architecture for a simulation tool, including two supplementary applications. The software tools were able to solve various simulations and perform calculations for any contaminant type, although only the most relevant pollutants were included. A human thermal model was able to estimate sensation and comfort under various thermal boundary conditions.</p> <p>Other developments included defining the architecture for the web-based management platform, including the DSS rule-based engine.</p> <p>The system was tested on a large public building in Portugal. Training of partner small and medium-sized enterprises in use of the software resulted in modifications.</p> <p>Use of the final system for real audits demonstrated time savings of 20 % for field work and 58 % for report preparation, representing an overall saving of 48 %. Cost savings averaged 39 %.</p> <p>In addition to such savings, the AIRLOG project offered substantial market potential and revenues. Ultimately, the work means an improved ability to conduct air quality audits, meaning healthier air for many Europeans.</p>
Added value for ClimACT	The AIRLOG platform could serve as basis to define the IAQ simulation in ClimACT.
Cross cutting interests	Indoor air quality simulation
Webpage	http://www.iaq-airlog.eu/
Main contact point - Name	Albert
Main contact point - Surname	Nieto
Main contact point - Title	Corporate Advisor at ATEKNEA SOLUTIONS CATALONIA, SA
Main contact point - Country	Spain
Main contact point - Email	albert.nieto@ateknea.com
Theme	Indoor Air Quality

3.3.23 INTASENSE

Name of the initiative (project, platform, working group, initiative, etc.)	INTASENSE: Integrated Air Quality Sensor for Energy Efficient Environment Control.
Short summary of the initiative	<p>The INTASENSE concept is to integrate a number of micro- and nano-sensing technologies onto a common detection platform to produce a low-cost miniaturised system that can comprehensively measure air quality, and identify the nature and form of pollutants. The INTASENSE air quality monitor will be wirelessly linked to air-handling and pre-conditioning infrastructure allowing air circulation to be managed in an energy efficient way while maintaining a healthy environment. The INTASENSE project aims to develop an indoor air quality monitoring tool to support the efficient use of heating, ventilation and air-conditioning systems in buildings while maintaining a healthy working environment. In so doing, the health, quality of life and productivity of EU citizens will be improved.</p>
Main outputs, results	Key INTASENSE Strategic Objectives:

	<ul style="list-style-type: none"> - Develop a smart IAQ monitoring system that can intelligently interface with existing ventilation and air treatment systems to maximise their energy efficiency and effectiveness - Combine breakthroughs in micro and nano-scale detection to deliver a low cost advanced IAQ sensing system to monitor key airborne pollutants - Improve substantially the health, quality of life and productivity of EU citizens by providing a comprehensive IAQ monitoring capability to transform air quality control.
Added value for ClimACT	<p>'The following technical outputs developed by INTASENSE might be important for ClimACT:</p> <ul style="list-style-type: none"> - Particulate matter detector based upon a miniaturised electric field particle sensor that is uniquely capable of detecting a range of particulates to better than 5 µg/m³ - Combustion gas and VOC detector module comprising advanced structured sensors capable of detecting a range of gaseous pollutants to better than 1ppm - Smart miniaturised high performance sampling and pre-conditioning support platform for use with gas sensors and particle detector - Wireless sensor network system allowing effective incorporation into building HVAC control systems
Cross cutting interests	IAQ in energy efficient buildings (EeB.ENV.2011.3.1.5-1 - Technologies for ensuring, monitoring and/or controlling a high quality indoor environment, particularly in relation to energy efficient buildings)
Webpage	http://www.intasense.eu/
Main contact point - <i>Name</i>	Robert
Main contact point - <i>Surname</i>	Bell
Main contact point - <i>Title</i>	Group Manager (C-Tech Innovation)
Main contact point - <i>Country</i>	United Kingdom
Main contact point - <i>Email</i>	rob.bell@ctechinnovation.com
Theme	Indoor Air Quality

3.4 Life Cycle Assessment

3.4.1 NEEDS

Name of the initiative (project, platform, working group, initiative, etc.)	NEEDS
Short summary of the initiative	The ultimate objective of NEEDS is to evaluate the full costs and benefits (i.e. direct + external) of energy policies and of future energy systems, both at the level of individual countries and for the enlarged EU as a whole.
Main outputs, results	<p>Major advancements in the current state of knowledge in the following main areas of:</p> <ul style="list-style-type: none"> • Life Cycle Assessment (LCA) of energy technologies

	<ul style="list-style-type: none"> • Monetary valuation of externalities associated to energy production, transport, conversion and use • Integration of LCA and externalities information into policy formulation and scenario building
Added value for ClimACT	The methodological improvements made within this project will be used in CLIMACT in order to evaluate the external costs and benefits of the proposed measures
Cross cutting interests	LCA and external costs of energy technologies
Webpage	http://www.needs-project.org/
Main contact point - <i>Name</i>	Andrea
Main contact point - <i>Surname</i>	Ricci
Main contact point - <i>Title</i>	Dr
Main contact point - <i>Country</i>	Italy
Main contact point - <i>Email</i>	aricci@isis-it.com
Theme	LCA and Externalities of energy technologies

3.4.2 EnerBuiLCA

Name of the initiative (project, platform, working group, initiative, etc.)	EnerBuiLCA
Short summary of the initiative	The aim of the project is to promote sustainability in construction and rehabilitation of buildings for housing, services or industrial use. To this end, the project proposes the development of a tool to perform the analysis of the life cycle of existing buildings or new construction, allowing to identify the best solutions in terms of energy efficiency and respect for the environment, thus reducing direct energy impacts and indirect buildings.
Main outputs, results	1) EnerBuiLCA tool to develop a self-diagnosis life cycle of a building, selecting the most suitable materials and equipment; 2) Creation of a database with technical and environmental information of the main building materials in SUDOE area; 3) EnerVuiLCA tool application on a set of 20 pilot-buildings.
Added value for ClimACT	LCA methodology. EnerBuiLCA tool.
Cross cutting interests	LCA
Webpage	http://www.enerbuiLCA-sudoe.eu/
Main contact point - <i>Name</i>	Ignacio
Main contact point - <i>Surname</i>	Zabalza
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	izabal@unizar.es
Theme	Life Cycle Assessment / Energy efficiency/ management

3.4.3 URBILCA

Name of the initiative (project, platform, working group, initiative, etc.)	URBILCA
Short summary of the initiative	The ultimate goal of the project is to promote the saving of energy and raw materials, and reducing the environmental impacts resulting from the management of urban areas during its construction, operation and maintenance, as well as promoting the use of evaluation cycle life as an evaluation technique in the planning of new areas and rehabilitation of existing areas.
Main outputs, results	1) Consolidation and expansion of the Thematic Network on LCA SUDOE Cooperation in Construction, created in EnerBuilCA; 2) Development and validation of an innovative methodology for quantitative analysis and evaluation of energy impacts and emissions of greenhouse gases associated with infrastructure, activities and services in urban areas in the SUDOE territory taking into account their entire life cycle.
Added value for ClimACT	LCA methodologies
Cross cutting interests	LCA
Webpage	http://urbilca-sudoe.eu/
Main contact point - Name	Ignacio
Main contact point - Surname	Zabalza
Main contact point - Title	
Main contact point - Country	Spain
Main contact point - Email	izabal@unizar.es
Theme	Life Cycle Assessment / Energy efficiency/ management

3.4.4 Officair

Name of the initiative (project, platform, working group, initiative, etc.)	Officair
Short summary of the initiative	The overall objective of the OFFICAIR project is twofold. Firstly, to establish a framework that will provide new knowledge in terms of databases, modelling tools and assessment methods towards an integrated approach in assessing the health risk from indoor air pollution, focusing on modern office buildings. Secondly, to support current EU policies, such as, the Thematic Strategy on Air Pollution and the European Environment and Health Strategy and Action Plan.
Main outputs, results	<ul style="list-style-type: none"> - Develop a European database - Identify new, health relevant, primary and secondary pollutants - Inventory and identify associations - Assess possible synergies of ozone-initiated pollutants - Set up an integrated modelling system to link emissions of key pollutants (ozone, primary VOCs and particles) and major secondary indoor pollutants - Evaluate the health effects of indoor air pollution - Make recommendations for IAQ policies

Added value for ClimACT	- IAQ database
Cross cutting interests	IAQ policies
Webpage	http://www.officair-project.eu/
Main contact point - <i>Name</i>	John
Main contact point - <i>Surname</i>	Bartzis
Main contact point - <i>Title</i>	Professor
Main contact point - <i>Country</i>	Greece
Main contact point - <i>Email</i>	bartzis@uowm.gr
Theme	Indoor Air Quality

3.5 Sustainable Development

3.5.1 DEEP Project

Name of the initiative (project, platform, working group, initiative, etc.)	DEEP Project
Short summary of the initiative	The Intelligent Energy-funded DEEP project (Dissemination of Energy Efficiency Measures in the Public Buildings Sector), running from 2005 – 2007, was aimed at raising awareness of the measures public authorities can take to improve energy efficiency in their operations and providing easy-to-use tools to assist in taking concrete steps.
Main outputs, results	The activities of the DEEP project can be broken down into four areas: 1) The development of tools to assist public authorities in achieving CO ₂ reductions through procurement; 2) Awareness raising activities in the regions of Athens (Greece), Barcelona (Spain) and Cremona (Italy); 3) The strengthening of the exchange of good practice across Europe through the Procura+ Campaign; 4) Developing policy recommendations for national and European decision-makers on promoting CO ₂ reductions through public procurement.
Added value for ClimACT	Developed tools regarding green procurement along with guidelines and other documents.
Cross cutting interests	Green procurement
Webpage	http://deep.iclei-europe.org/
Main contact point - <i>Name</i>	ICLEI World Secretariat
Main contact point - <i>Surname</i>	
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	
Main contact point - <i>Email</i>	iclei@iclei.org
Theme	Green procurement

3.5.2 Green Clean Schools

Name of the initiative (project, platform, working group, initiative, etc.)	Green Clean Schools
Short summary of the initiative	The new Green Clean Schools web portal is the place for all things green cleaning. It brings together practical information and easy-to-use resources from HSC's multi-faceted strategy to support green, sustainable school cleaning programs nationwide.
Main outputs, results	1) Recommending green products and practical info about to implement a green cleaning at a school; 2) Its website disseminates HSC's Quick + Easy Guide to Green Cleaning in Schools, first released in 2006. In addition to the Five Simple Steps to Green Cleaning popularized by the guide, this web portal highlights a strategic approach to policy change and the power of recognizing successful green programs; 3) Provides updated and expanded content, which reflects current trends in cleaning and puts practical tools and resources for school decision-makers front and center.
Added value for ClimACT	Guidelines for green procurement on schools.
Cross cutting interests	Green procurement
Webpage	http://greencleanschools.org/
Main contact point - Name	n/a
Main contact point - Surname	n/a
Main contact point - Title	n/a
Main contact point - Country	USA
Main contact point - Email	http://greencleanschools.org/about/contact-us/
Theme	Green procurement

3.5.3 CHPS

Name of the initiative (project, platform, working group, initiative, etc.)	CHPS (Collaborative for High Performance Schools)
Short summary of the initiative	CHPS is a non-profit organization aiming to promote well-designed school environments as a way to promote productive learning: health, comfort, and energy efficiency, material efficiency are the targets, among others. As a way to achieve this, CHPS proposes trainings and offers a variety of technical resources for stakeholders involved in the design, construction, operations and maintenance of high performance schools. The CHPS committee awards three levels of certification to schools which registered to the program, based on their environmental performances / score). These are "CHPS Designed", "CHPS Verified" and "CHPS Verified Leader", respectively
Main outputs, results	Since 2001, many school districts and county offices of education have mandated minimum certification for all new construction and major modernizations. This represents more than 2 million students
Added value for ClimACT	Design guidelines and tools to define possible actions which can be undertaken to improve the school performance regarding IAQ, waste

	management, energy savings, water savings, ... Scoring method to define Key Performance Indices and assess the schools global performance
Cross cutting interests	Many performance targets are the same as in Climact : occupants' comfort, IAQ, energy and water savings, waste reduction, environmental protection
Webpage	http://www.chps.net/
Main contact point - <i>Name</i>	
Main contact point - <i>Surname</i>	
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	USA
Main contact point - <i>Email</i>	info@chps.net
Theme	School global quality

3.5.4 CIVITAS

Name of the initiative (project, platform, working group, initiative, etc.)	CIVITAS - Cleaner and better transport in cities
Short summary of the initiative	CIVITAS 2020 seeks to drive the innovative policies and technologies needed for the transformation towards cleaner and better urban mobility and transport following a user-oriented approach. It will put in place a framework for coordinated evaluation, dissemination and information exchange.
Main outputs, results	The initiative was launched in 2002 to redefine transport measures and policies in order to create cleaner, better transport in cities. CIVITAS has helped introduce numerous innovations and measures that have already made transport more eco-friendly in over 60 European metropolitan areas dubbed 'demonstration cities'. Thanks to an EU-funded investment of well over EUR 200 million, the project has guided cities to introduce improvements in four phases of the project, each building on previous successes. Indeed, over the last ten years CIVITAS has managed to test over 800 measures and urban transport solutions, supported by the intensive exchange of good practices in the field. The project empowered citizens to convince politicians on adopting these innovations, upgrading the quality and sustainability of urban transport for numerous European cities.
Added value for ClimACT	Definition of good practices of sustainable mobility in cities.
Cross cutting interests	Sustainable mobility
Webpage	http://www.civitas.eu/
Main contact point - <i>Name</i>	Annemarie
Main contact point - <i>Surname</i>	Mahieu
Main contact point - <i>Title</i>	CIVITAS Secretariat
Main contact point - <i>Country</i>	The Netherlands
Main contact point - <i>Email</i>	secretariat@civitas.eu

Theme	Local, regional, municipal initiatives / Mobility / Sustainability
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3.5.5 CiclAndo

Name of the initiative (project, platform, working group, initiative, etc.)	CiclAndo - Plano Nacional de Promoção da Bicicleta e Outros Modos Suaves
Short summary of the initiative	CiclAndo is aimed at public and private entities, associations, and the individual citizen and must provide innovative strategies, proposals and recommendations, with the main objective the promotion of soft mobility modes seen as an economic asset, social and environmental, and real alternative to the car.
Main outputs, results	CiclAndo has two major goals: 1) Valuing the use of bicycles and the "walking" as daily travel practices of citizens, integrated into the transport system and giving priority to criteria of sustainability and economic, environmental and social efficiency; 2) Guide urban public policies towards the goal of sustainable mobility, protecting the public space, health, quality of life and well-being of citizens.
Added value for ClimACT	Guidelines for sustainable mobility in urban areas.
Cross cutting interests	Sustainable mobility
Webpage	http://www.imtt.pt/sites/IMTT/Portugues/Planeamento/Documentos/deReferencia/PlanoNacionalBicicleta/Paginas/PlanoNacionalBicicletaOutrosModosSuaves.aspx
Main contact point - Name	Direção Regional de Mobilidade e Transportes de Lisboa e Vale do Tejo
Main contact point - Surname	n/a
Main contact point - Title	n/a
Main contact point - Country	Portugal
Main contact point - Email	Drmt_lisboa@imt-ip.pt
Theme	Sustainability / Local, regional, municipal initiatives

3.5.6 Projecto Mobilidade Sustentável

Name of the initiative (project, platform, working group, initiative, etc.)	Projecto Mobilidade Sustentável
Short summary of the initiative	The Projeto Mobilidade Sustentável aims at the development / consolidation of Sustainable Mobility Plans for 40 Portuguese municipalities selected in the project, focusing at continuous improvement of travel conditions, the reduction of impacts on the environment, and improving the quality of life of citizens, in a logic of sustainability.
Main outputs, results	The project calls for technical and scientific support to selected municipalities in the development / consolidation of the plans of sustainable mobility through the creation of a Network of Centres / Departments University (RCU). This network, which includes 15 Centers / Departments University, ensures the sharing and exchange of experiences and knowledge among municipalities and between Centers

	/ Departments University and the municipalities, providing them with technical capacity for the future, ensuring harmonization in approach and sustained response to common problems in terms of mobility. Within the project, a Manual of Good Practices for Sustainable Mobility was created and will include national and international experiences of success, including the best proposals that may be made within the project. It is intended to be a technical and pragmatic document, allowing all Portuguese municipalities more effective action in the context of sustainable mobility.
Added value for ClimACT	Guidelines for promoting sustainable mobility.
Cross cutting interests	Sustainable mobility
Webpage	http://mobilidade.apambiente.pt/
Main contact point - <i>Name</i>	Regina
Main contact point - <i>Surname</i>	Vilão
Main contact point - <i>Title</i>	Directora do Departamento de Políticas e Estratégias de Ambiente da Agência Portuguesa do Ambiente
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	regina.vilao@apambiente.pt ; fnsilva@ist.utl.pt
Theme	Local, regional, municipal initiatives / Mobility / Sustainability

3.5.7 ICLEI

Name of the initiative (project, platform, working group, initiative, etc.)	ICLEI - Local Governments for Sustainability
Short summary of the initiative	ICLEI - Local Governments for Sustainability is the leading global network of over 1,500 cities, towns and regions committed to building a sustainable future.
Main outputs, results	Network of local governments regarding sustainability. ICLEI is a growing Association of cities, local and metropolitan governments leading the way in sustainable development with worldwide presence, which connects leaders in strategic alliances, which prepares cities for the future, whose voice is heard, and which is attractive to be a member of, work for and partner with.
Added value for ClimACT	Network of local governments regarding sustainability.
Cross cutting interests	Sustainability
Webpage	http://www.iclei.org/
Main contact point - <i>Name</i>	ICLEI World Secretariat
Main contact point - <i>Surname</i>	
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	
Main contact point - <i>Email</i>	iclei@iclei.org
Theme	Local, regional, municipal initiatives / Sustainability

3.5.8 U-Bike Portugal

Name of the initiative (project, platform, working group, initiative, etc.)	U-Bike Portugal Project
Short summary of the initiative	U-Bike Portugal project aims to promote the soft mobility, specifically bike, within the academic communities.
Main outputs, results	The project will support the bicycle acquisition (normal and electric) at higher education institutions in the context of national integrated projects involving public institutions consortia of higher education with the Portuguese Institute for Mobility and Transport (IMT). Bicycles will be awarded to the academic community, based on standards set by each higher education institution and in compliance with the General Regulation of the U-Bike Project Portugal, for a long-term use (e.g.: rent for a semester or an academic year) leading to the creation of regular habits of using this means of transport.
Added value for ClimACT	Guidelines for promoting sustainable mobility.
Cross cutting interests	Sustainable mobility
Webpage	http://www.imtt.pt/sites/IMTT/Portugues/Planeamento/Projeto_U_bike_Portugal/Paginas/Projeto_U_bike_Portugal.aspx
Main contact point - Name	Isabel
Main contact point - Surname	Seabra
Main contact point - Title	Arq. ^a (Diretora de Serviços)
Main contact point - Country	Portugal
Main contact point - Email	dseap.secretariado@imt-ip.pt
Theme	Sustainability / Mobility

3.5.9 Programa de Demonstração da Mobilidade Elétrica

Name of the initiative (project, platform, working group, initiative, etc.)	Programa de Demonstração da Mobilidade Elétrica – Protocolo entre MAOTE e APVE
Short summary of the initiative	The Ministry of Environment, Spatial Planning and Energy (MAOTE) has an ongoing protocol with the Portuguese Association of Electric Vehicle (APVE) for dissemination of electric mobility and to study its implementation strategies in the state vehicle fleet.
Main outputs, results	This Protocol establishes a demonstration program of Electric Mobility in the offices of members of the Government of MAOTE aimed at: A) Give the public example of the viability of electric mobility, enhancing the credibility of this mode of transport; B) Obtain data to contribute to the design of an electric mobility program in the broader context of public administration.
Added value for ClimACT	Information about strategies to implement an electric mobility programme along with real data that confirms the advantages of this program.
Cross cutting interests	Sustainable mobility
Webpage	http://www.apambiente.pt/index.php?ref=19&subref=371
Main contact point - Name	Agência Portuguesa do Ambiente

Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	geral@apambiente.pt
Theme	Sustainability /Mobility

3.5.10 STARS

Name of the initiative (project, platform, working group, initiative, etc.)	STARS: Sustainable Travel Accreditation and Recognition for Schools
Short summary of the initiative	Sustainable Travel Accreditation and Recognition for Schools (STARS) is a three-year project designed to increase the number of pupils using sustainable transport to get to and from school, primarily by motivating kids who are usually dropped to school by car to cycle instead.
Main outputs, results	For primary schools an accreditation system was set-up to reward schools who have achieved various levels of modal shift to sustainable trips.
Added value for ClimACT	Strategies of sustainable mobility in scholar environments
Cross cutting interests	Sustainable mobility
Webpage	http://starseurope.org/index.php
Main contact point - <i>Name</i>	Paul
Main contact point - <i>Surname</i>	Curtis
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	United Kingdom
Main contact point - <i>Email</i>	paul.curtis@lept-eu.org
Theme	Mobility / Sustainability

3.5.11 EPOMM

Name of the initiative (project, platform, working group, initiative, etc.)	EPOMM - European Platform on Mobility Management
Short summary of the initiative	The main aims of EPOMM are to promote and further develop mobility management in Europe as well as to support active information exchange and learning on mobility management between European countries.
Main outputs, results	EPOMM is the European Platform on Mobility Management, a network of governments in European countries that are engaged in Mobility Management (MM). They are represented by the Ministries that are responsible for MM in their countries. EPOMM is organised as an international non-profit organisation with seat in Brussels.
Added value for ClimACT	Database with mailing list with main government stakeholders in European countries.

Cross cutting interests	Sustainable mobility
Webpage	http://www.epomm.eu/
Main contact point - <i>Name</i>	karl-Heinz
Main contact point - <i>Surname</i>	Posch
Main contact point - <i>Title</i>	Coordinator
Main contact point - <i>Country</i>	
Main contact point - <i>Email</i>	info@epomm.org
Theme	Sustainability / Mobility

3.5.12 EERA E3s

Name of the initiative (project, platform, working group, initiative, etc.)	EERA E3s. JP. Economic, environmental and social impacts
Short summary of the initiative	E3s aims at mobilizing and sharing knowledge, tools, and methodologies to support the long-term goals of European energy and climate policy, especially those related to using energy in a much more efficient way. This implies that energy supply has to be adapted to regional and local demand profiles and available renewable resources, increasing energy efficiency in transport, residential and commercial sectors, industries, and in conversion processes within the energy supply chain, but it also means changing demand patterns at large.
Main outputs, results	<p>* to generate innovative multidisciplinary knowledge on the impacts that energy policies, market transformation, and clean energy technologies will have for the future of the EU's citizens and the society as a whole</p> <p>* to evaluate costs and benefits over time from a holistic life cycle perspective in order to achieve greater acceptance of the necessary policy measures and true EU-wide cooperation.</p>
Added value for ClimACT	This initiative, in the area of LCA (SP3) will develop and harmonize indicators and methodologies used to evaluate environmental, social and economic impacts of energy technologies, and to provide robust information for the design and implementation of a sustainable energy supply chain, including assessment of critical raw materials. This will be very helpful in CLIMACT activities related to LCA and external costs.
Cross cutting interests	LCA and external costs of energy technologies
Webpage	http://www.eera-set.eu/eera-joint-programmes-jps/economic-environmental-and-social-impacts-jp-e3s/
Main contact point - <i>Name</i>	Daniela
Main contact point - <i>Surname</i>	Velte
Main contact point - <i>Title</i>	Dr
Main contact point - <i>Country</i>	Spain
Main contact point - <i>Email</i>	daniela.velte@tecnalia.com
Theme	Economic, environmental and social impacts of energy technologies

3.5.13 LIFE+RESPIRA

Name of the initiative (project, platform, working group, initiative, etc.)	LIFE+RESPIRA
Short summary of the initiative	The main objective of Life + Respira is to demonstrate that it is possible to reduce the exposure of people moving bike and walk around the city to urban air pollution: The application of new technologies Management of sustainable mobility Urban planning
Main outputs, results	The project will: <ul style="list-style-type: none"> * Quantify pollutants affecting urban cyclists. * Check the effectiveness of the application of technologies under real conditions. * Show that urban planning systems contribute to the reduction of pollutants. * Develop a mathematical model to control air quality. * Generate a mapping tool that allows distribution of pollutants. * Develop a healthier planner cycling routes. * Assess environmental, social and economic benefits of cycling as a means of urban transport. * Involve citizens in the project. * Encourage initiatives to promote a healthier environment. * Promoting jobs associated with monitoring and improving air quality in cities.
Added value for ClimACT	In action C4 this project will assess the benefits of reducing air pollution in the city, quantifying the air pollution external costs of the initial situation and some proposed alternatives. The project will apply dose response functions and economic valuation of health endpoints and will be able to evaluate the health related external costs of some air pollutants. These results could be transferred to the case studies evaluated in CLIMACT.
Cross cutting interests	Health related external costs
Webpage	http://www.liferespira.eu/es/
Main contact point - Name	Jesus Miguel
Main contact point - Surname	Santamaria
Main contact point - Title	Dr
Main contact point - Country	Spain
Main contact point - Email	chusmi@unav.es
Theme	Urban air quality and health effects

3.5.14 AquaPath

Name of the initiative (project, platform, working group, initiative, etc.)	AquaPath
Short summary of the initiative	AquaPath aims to develop an awareness raising campaign such that European citizens will have the necessary knowledge to act responsibly

	and affect global water stewardship. Becoming responsible citizens will require the following actions: 1) Reducing one's direct water consumption; 2) Changing consumption habits from water intensive products to those with a lower and, where possible, a sustainable water footprint; 3) Applying pressure on brands and manufacturers so they alter their processes and offer products with sustainable water footprints.
Main outputs, results	The AquaPath awareness raising campaign will be conducted via the following activities and media: 1) Web Platform – App – Water Footprint Calculator including practical suggestions for water consumption through a drop-down menu and guidelines for household management; “see-click-fix” tool, etc. 2) Hardware training material developed with an informative and pedagogic purpose but having a scientific basis; 3) Awareness raising modules for children; 4) State of the art and training needs analysis.
Added value for ClimACT	Creation of tools for water efficiency awareness in household settings that may be transfer to scholar settings.
Cross cutting interests	Water efficiency
Webpage	http://aquapath-project.eu/
Main contact point - <i>Name</i>	Gianluca
Main contact point - <i>Surname</i>	Coppola
Main contact point - <i>Title</i>	Project coordinator
Main contact point - <i>Country</i>	Italy
Main contact point - <i>Email</i>	gianluca.coppola@eurocreamerchant.it ; info@areanatejo.pt (Portugal)
Theme	Sustainability

3.5.15 EWRR

Name of the initiative (project, platform, working group, initiative, etc.)	EWRR - European Week for Waste Reduction
Short summary of the initiative	The European Week for Waste Reduction is an initiative aiming to promote the implementation of awareness-raising actions about sustainable resource and waste management during a single week. It encourages a wide range of audiences (public authorities, private companies, civil society as well as citizens themselves) to get involved.
Main outputs, results	
Added value for ClimACT	Guidelines and scheduled activities for waste reduction on schools.
Cross cutting interests	Waste Management
Webpage	http://www.ewwr.eu/
Main contact point - <i>Name</i>	Maëva
Main contact point - <i>Surname</i>	Voltz
Main contact point - <i>Title</i>	ACR+, the Association of Cities and Regions for Recycling and sustainable Resource management, is an international network of cities and regions who share the aim of promoting smart resource

	consumption and sustainable waste management through prevention at source, reuse and recycling.
Main contact point - <i>Country</i>	
Main contact point - <i>Email</i>	mv@acrplus.org
Theme	Sustainability

3.5.16 ZEROWASTE PRO

Name of the initiative (project, platform, working group, initiative, etc.)	ZEROWASTE PRO
Short summary of the initiative	<p>Project's Objectives:</p> <ol style="list-style-type: none"> 1) The promotion and enhancement of waste prevention, reuse and recycling systems. 2) The Sharing of competences on waste prevention, reuse and recycling, with the use of internet (networking platform). 3) Impact on citizens' behaviour. 4) Through the involvement of schools and the development of the educational toolkit and pilot activity of Green Island. 5) Support Local Authorities to identify green solutions for waste management and maintain results. 6) Through "Train the trainers" courses. 7) Promotion and Diffusion of eco-innovative technologies and solutions for SMEs.
Main outputs, results	Several useful tools created under this project regarding waste management: http://www.zerowastepro.eu/the-project/activities
Added value for ClimACT	Guidelines and training material for waste reduction
Cross cutting interests	Waste Management
Webpage	http://www.zerowastepro.eu/
Main contact point - <i>Name</i>	Mary
Main contact point - <i>Surname</i>	Krimnianioti
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	Greece
Main contact point - <i>Email</i>	http://www.zerowastepro.eu/
Theme	Sustainability

3.5.17 LANDCAREMED

Name of the initiative (project, platform, working group, initiative, etc.)	LANDCAREMED Project
Short summary of the initiative	LANDCAREMED Project aims at providing local authorities (i.e. rural villages) with the necessary tools and methodologies for developing integrated strategies and policies in the field of rural waste management (RWM). This objective will be achieved by enhancing

	territorial institutions and organisations for the development of a new integrated and environmentally sustainable RWM system, ensuring the waste treatment and recycling, through a new small-scale methodological approach and the exploitation of innovative technologies.
Main outputs, results	
Added value for ClimACT	Guidelines for waste management and training materials
Cross cutting interests	Waste Management
Webpage	http://www.landcaremed.eu/
Main contact point - <i>Name</i>	Maria Laura
Main contact point - <i>Surname</i>	Foddis
Main contact point - <i>Title</i>	Coordinator
Main contact point - <i>Country</i>	Italy
Main contact point - <i>Email</i>	coordinator.landcaremed@gmail.com
Theme	Sustainability

3.5.18 UE4SD

Name of the initiative (project, platform, working group, initiative, etc.)	UE4SD: University Educators for Sustainable Development
Short summary of the initiative	Support for teaching colleagues, to enable them to prepare students, regardless of their courses or specialisation, to understand and apply their professional and global responsibilities in sustainability. The project includes plans for university staff to develop professional competences and the academic leadership capabilities linked to Education for Sustainable Development. UE4SD seeks to establish a leading expert group in Education for Sustainable Development in higher education in Europe.
Main outputs, results	The Online Platform created within the UE4SD. The focus is professional development of university educators in Education for Sustainable Development (ESD). This web resource was created to share the UE4SD experiences, tools and examples of best practice. http://platform.ue4sd.eu/
Added value for ClimACT	The project coordinator also leads the RCE Severn - a United Nations University Regional Centre of Expertise for sustainability learning partnerships across the region.
Cross cutting interests	LifeLong Learning Programme
Webpage	http://ue4sd.eu/
Main contact point - <i>Name</i>	Dr Alex
Main contact point - <i>Surname</i>	Ryan
Main contact point - <i>Title</i>	Responsible for institutional strategy and leadership at the University of Gloucestershire.
Main contact point - <i>Country</i>	United Kingdom
Main contact point - <i>Email</i>	aryan@glos.ac.uk

Theme	Sustainability
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3.5.19 Low Carbon Scotland

Name of the initiative (project, platform, working group, initiative, etc.)	Low Carbon Scotland: Public Engagement Strategy
Short summary of the initiative	While some of that action will come through Scottish Government proposals and policies, and some through UK and EU decisions, a major driver of change will always be public demand.
Main outputs, results	Make the education system – through schools, colleges and universities – acutely aware of the need to link skills development to the opportunities and demands of a low carbon economy and lifestyle.
Added value for ClimACT	It recognises that the most effective engagement comes not from the centre, but from more local routes (local communities, employers or local authorities). This is also the view of ClimACT.
Cross cutting interests	Engagement with community groups, the public, individuals, the educational sector, the private sector. Engagement strategies and actions.
Webpage	http://www.gov.scot/Resource/Doc/336432/0110100.pdf
Main contact point - Name	General Enquiries; Climate Change Policy
Main contact point - Surname	n/a
Main contact point - Title	The Scottish Government
Main contact point - Country	United Kingdom
Main contact point - Email	ceu@gov.scot; climate.change@gov.scot
Theme	Sustainability

3.5.20 PROSO

Name of the initiative (project, platform, working group, initiative, etc.)	PROSO
Short summary of the initiative	Provision of guidance on how to encourage engagement of citizens and third sector organizations, like non-governmental organizations (NGOs) and civil society organizations (CSOs), in Europe's research and innovation processes. This guidance shall help in moving towards Responsible Research and Innovation (RRI).
Main outputs, results	Guidance in form of a policy and practice guide, including: .- An overview of incentives and barriers for the engagement of third sector organizations and citizens. .- Best case examples of societal engagement for RRI. .- Policy and governance options for encouraging societal engagement in RRI.
Added value for ClimACT	Guidelines in citizen's encouraging strategies.
Cross cutting interests	Study and potential adoption of some guidance notes of the practice guide re incentives and good practice for societal engagement.
Webpage	www.proso-project.eu

Main contact point - <i>Name</i>	Marion
Main contact point - <i>Surname</i>	Dreyer
Main contact point - <i>Title</i>	Project Coordinator, Dialogik Expert
Main contact point - <i>Country</i>	Germany
Main contact point - <i>Email</i>	contact@proso-project.eu
Theme	Sustainability

3.5.21 ENGAGE2020

Name of the initiative (project, platform, working group, initiative, etc.)	ENGAGE2020
Short summary of the initiative	Increase the use of engagement methods and policies by mapping what is practiced and spreading awareness of the opportunities amongst researchers, policy makers and other interested parties.
Main outputs, results	Mapping of existing policies, structures, methods, approaches, tools and instruments, as well as highlighting promising new or adapted approaches for the future.
Added value for ClimACT	Exploring what is practiced by and inspiring researchers, policy makers and other interested parties. The 'Action Catalogue' – an online decision support tool on relevant engagement approaches. Join conferences and workshops to discuss how praxis can be improved.
Cross cutting interests	Engagement methods.
Webpage	http://engage2020.eu/
Main contact point - <i>Name</i>	Lars
Main contact point - <i>Surname</i>	Klüver
Main contact point - <i>Title</i>	Project coordinator, Director of the Danish Board of Technology
Main contact point - <i>Country</i>	Denmark
Main contact point - <i>Email</i>	lk@tekno.dk
Theme	Sustainability

3.5.22 CIVIS

Name of the initiative (project, platform, working group, initiative, etc.)	CIVIS
Short summary of the initiative	CIVIS explores the potential of social networks and communities to significantly reduce energy use and carbon emissions. The project will enable this by developing business models for the resulting energy value system and support it with the necessary ICT.
Main outputs, results	CIVIS will implement a distributed ICT system to 1) manage communities' energy needs, 2) negotiate individual and collective energy service agreements and contracts, 3) raise awareness about the environmental impacts of collective energy use, and 4) allocate energy

	production resources more efficiently. The project will focus on two pilot neighbourhoods located in Trento and Stockholm in close collaboration with energy companies, citizen groups and local administrations. Project partners will test and evaluate the technology, clarify business potential and estimate the impact of envisioned deployment on a European scale.
Added value for ClimACT	CIVIS has several results that might be interesting for ClimACT, namely regarding social engagement and development of new business models: - WP3 - Enabling SMART social participation - WP5 - Community Participation: Social, Regulatory and Institutional Dimensions~ - WP6 - Definition of business models for an emerging social decentralized energy
Cross cutting interests	ICT systems for energy with innovative user-level applications, social engagement and development of business models for an emerging social decentralized energy (ICT-2013.6.4 - Optimising Energy Systems in Smart Cities)
Webpage	http://www.civisproject.eu/
Main contact point - <i>Name</i>	1- Vincenzo 2 – Giacomo
Main contact point - <i>Surname</i>	1 - D'Andrea 2 - Poderi
Main contact point - <i>Title</i>	Project Coordinator (UNIVERSITA DI TRENTO)
Main contact point - <i>Country</i>	Italy
Main contact point - <i>Email</i>	vincenzo.dandrea@unitn.it giacomo.poderi@unitn.it
Theme	Sustainable development

3.5.23 Science2Society

Name of the initiative (project, platform, working group, initiative, etc.)	Science2Society: Improving university, industry and society interfaces to boost the throughput capacity of Europe's innovation stakeholders.
Short summary of the initiative	Science2Society project creates, pilots and shares good practices, guidelines and training materials that improve awareness and practical performance in seven concrete university-industry-society interfacing schemes especially affected by Science 2.0 and open innovation. The project advances far beyond the traditional role of the interface as a facilitator of knowledge transfer from university to business. Science2Society does not only collect knowledge and models; it deeply and innovatively analyses how these can be improved using advanced methods pioneered in business practice such as process re-engineering, design thinking and change management. The project runs substantial experiments to validate the created optimized interfacing schemes.
Main outputs, results	More specific objectives include compiling an easily accessible knowledge database of university / industry / society interface schemes suitable for today's more open environment; the creation of a clear and proven set of guidelines and tools; and developing a sustainable learning programme for continued replication of the best schemes. This last objective will have a critical mass of over 1000 European stakeholders and therefore will have a substantial impact throughout Europe.

Added value for ClimACT	Science2Society will develop guidelines and tools aimed to improve the knowledge transfer between university-industry-society. ClimACT can use these tools and guidelines to improve the knowledge sharing and boost awareness-raising and engagement of students and parents.
Cross cutting interests	Improving knowledge transfer in university-industry-society interface (H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies)
Webpage	http://science2society.atosresearch.eu/
Main contact point - <i>Name</i>	Bert
Main contact point - <i>Surname</i>	Pluymers
Main contact point - <i>Title</i>	Dr. - Project Coordinator (Katholieke Universiteit Leuven)
Main contact point - <i>Country</i>	Belgium
Main contact point - <i>Email</i>	Bert.Pluymers@mech.kuleuven.be
Theme	Sustainable development

3.5.24 RADDAR

Name of the initiative (project, platform, working group, initiative, etc.)	RADDAR
Short summary of the initiative	Network shares are to all, throughout life: academic, children, students, professionals or people. They revolve mainly around major themes: Air Climate / Energy, Biodiversity, sustainable consumption and transverse axes such as waste, water or health.
Main outputs, results	Charter of the Network of Actors of Sustainable Development of Urban Rochelaise (RADDAR). Coordinate actions on the territory.
Added value for ClimACT	Information and awareness raising of various target audiences. Education and awareness raising of children to different environmental themes
Cross cutting interests	Development of educational support tools. Governance and coordination of a network.
Webpage	none
Main contact point - <i>Name</i>	Marianne
Main contact point - <i>Surname</i>	Juin
Main contact point - <i>Title</i>	Project leader
Main contact point - <i>Country</i>	France
Main contact point - <i>Email</i>	marianne.juin@agglo-larochelle.fr
Theme	Sustainable development

3.5.25 Territoire Zéro déchet, zéro gaspillage

Name of the initiative (project, platform, working group, initiative, etc.)	Territoire Zéro déchet, zéro gaspillage / Zero waste area
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Short summary of the initiative	The zero waste area project was initiated in 2015 by the French Ministry of Ecology, Sustainable Development and Energy. It defines a 3-year action plan considering 5 topics (eco-exemplarity, tourism and events, re-use, industrial ecology and consultation) and 27 shares. These shares target schools, local councils, and residents. The French agency for the Environment and Energy Conservation (ADEME) partially funds this program.
Main outputs, results	Reduction of waste generated by the council employees and related management costs. The Ville La Rochelle city is managing the project. It promotes the re-use and repair of items by supporting free areas or repair bars, as well as waste recycling and composting.
Added value for ClimACT	Information and awareness raising of municipal employees. Development of eco-friendly habits, waste recycling or re-use.
Cross cutting interests	Comparison of opportunities for waste recovery between countries. Analysis of methods, supporting actions and educative tools.
Webpage	http://www.developpement-durable.gouv.fr/Territoires-zero-dechets-zero
Main contact point - Name	Emilie
Main contact point - Surname	Maloingne
Main contact point - Title	Project leader
Main contact point - Country	France
Main contact point - Email	emilie.maloingne@ville-larochelle.fr
Theme	Sustainable development, waste management

3.5.26 Ambassadeur du tri

Name of the initiative (project, platform, working group, initiative, etc.)	Ambassadeur du tri / Waste valorisation ambassador
Short summary of the initiative	Waste sorting ambassador are individuals who have the role of raising awareness of the public on waste reduction, as well as promoting good practice for selective collection of waste amongst citizens. They are responsible for informing and motivating the population living in a specific area.
Main outputs, results	There are currently 3 ambassadors working for the city of La Rochelle, promoting waste sorting and reducing the amount of waste that is incinerated. They accompany the city to adapt the actions of citizens to local waste streams.
Added value for ClimACT	Comparison of waste recovery opportunities between countries. Analysis of methods and educative tools to promote the selective collection of waste. Reduction of pollution by incineration. Enhance recovery and reuse of objects.
Cross cutting interests	Record of actions and monitoring of results. Comparison of indicators and educative methods.
Webpage	http://www.emploi-environnement.com/fr/dico/fiches/metier_ambassadeur_animateur_de_tri_selectif.php4
Main contact point - Name	Franck

Main contact point - <i>Surname</i>	Beauchaud
Main contact point - <i>Title</i>	Project leader
Main contact point - <i>Country</i>	France
Main contact point - <i>Email</i>	franck.bauchaud@agglo-larochelle.ff
Theme	Sustainable development, awareness about waste reusing

3.5.27 ClimAdaPT.Local

Name of the initiative (project, platform, working group, initiative, etc.)	ClimAdaPT.Local
Short summary of the initiative	The ClimAdaPT.Local project has the goal of starting in Portugal a continuous process leading to the elaboration of Municipal Strategies for Adaptation to Climate Change (Estratégias Municipais de Adaptação às Alterações Climáticas – EMAAC, in Portuguese) and its integration in municipal planning tools.
Main outputs, results	The project's specific goals are: – To develop 26 Municipal Strategies for Climate Change Adaptation, – To train 52 municipal technical staff persons in Climate Change Adaptation, – To create a platform for Municipal Climate Change Adaptation, – To create a Municipal Network for Climate Change Adaptation.
Added value for ClimACT	Guidelines for climate actions and awareness.
Cross cutting interests	Practical actions about sustainability
Webpage	http://www.climadapt-local.pt/
Main contact point - <i>Name</i>	Filipe
Main contact point - <i>Surname</i>	Santos
Main contact point - <i>Title</i>	Project Leader
Main contact point - <i>Country</i>	Portugal
Main contact point - <i>Email</i>	geral@climadapt-local.pt
Theme	Sustainable development

3.5.28 EU SMARTCITIES

Name of the initiative (project, platform, working group, initiative, etc.)	EU SMARTCITIES
Short summary of the initiative	The European Innovation Partnership on Smart Cities and Communities (EIP-SCC) is an initiative supported by the European Commission bringing together cities, industry, SMEs, banks, research and other smart city actors.
Main outputs, results	Market Place of the European Innovation Partnership on Smart Cities and Communities. The EIP-SCC Market Place has been designed for those who are active in the challenging area of Smart Cities and willing

	to know more about ongoing and foreseen activities throughout Europe.
Added value for ClimACT	Citizen engagement in low energy, low carbon and sustainable urban issues.
Cross cutting interests	Share knowledge to prevent mistakes being repeated. Reach energy and climate targets. Support in finding the right partners and solutions. Achieving social, environmental and economic sustainability for our cities.
Webpage	https://eu-smartcities.eu/
Main contact point - <i>Name</i>	n/a
Main contact point - <i>Surname</i>	n/a
Main contact point - <i>Title</i>	n/a
Main contact point - <i>Country</i>	n/a
Main contact point - <i>Email</i>	n/a
Theme	Other

3.5.29 BuildUp

Name of the initiative (project, platform, working group, initiative, etc.)	BuildUp
Short summary of the initiative	Web platform. Can be an example for ClimACT network
Main outputs, results	
Added value for ClimACT	
Cross cutting interests	
Webpage	http://www.buildup.eu/en
Main contact point - <i>Name</i>	
Main contact point - <i>Surname</i>	
Main contact point - <i>Title</i>	
Main contact point - <i>Country</i>	
Main contact point - <i>Email</i>	
Theme	Web platform

4 SUMMARY OF MOST RELEVANT ACTIVITIES

This section provides an overview of the most relevant networking activities carried out for the ClimACT project. The aim was to establish networks with other relevant projects and initiatives working on similar topics, in order to capitalise on ClimACT results and establish synergies with other working groups.

Further to E1.3.1, the partners have provided a summary of their most relevant activities. Thanks to the grounds set on ClimACT, networks hope to continue beyond the project.

4.1 ClimACT in the Annual Eco-Schools Seminar 2017

Several partners from ClimACT project had participated in Annual Eco-Schools Seminar that was held in Ílhavo, in Portugal, between 20th and 22th January 2017 (Figure 1). This event gathered more than 400 teachers, municipalities and professionals of environmental education.

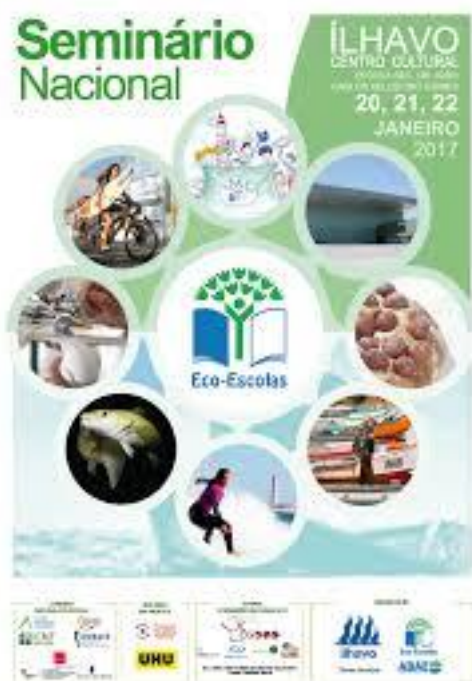


Figure 1 - Agenda of Eco-School National Meeting

During the meeting, a ClimACT focus group discussion was organised by ABAE about “Integrating Education for Sustainability in School Curricula” and account with 14 participants.

Eco-Schools is a growing phenomenon, which encourages young people to engage in their environment by allowing them the opportunity to actively protect it. It starts in the classroom, it expands to the school and eventually fosters change in the community at large. Through this

programme, young people experience a sense of achievement at being able to have a say in the environmental management policies of their schools, ultimately steering them towards certification and the prestige which comes with being awarded a Green Flag.

The link between ClimACT and Eco-School is not only performed by the participation in common events, but also by a straight collaborative approach that facilitated the participations of pilot-schools in ClimACT project.



Figure 2 - Focus Group Meeting about Education for Sustainability

4.2 Sustentabilis

Olivaís Parish invited the ClimACT project to participate in *Sustentabilis* event that was held in Olivaís library gardens from 25th to 29th May 2017 (Figure 3).



Figure 3 - Agenda of Sustentabilis

ClimACT in collaboration with LIFE Index-Air and REMEDIO projects developed educational activities that were experienced by more than 200 students (Figure 4). The event was open to all Olivais inhabitants. The Secretary of State for the Environment and the Olivais Parish Council President appreciated the work developed by ClimACT project.

LIFE Index-Air project aims to develop an innovative and versatile decision support tool for policy makers that will help them identify measures to improve air quality and quantitatively assess their impact on the health and well-being of the population. The tool will be tested and implemented in Lisbon, studying particularly young children. By this reason it was possible to identify a common goal for both projects: children awareness in air quality. Therefore, the initiatives in collaboration potentiate the impact of the awareness campaigns, reaching more children.

REMEDIO project proposes to transform them into «horizontal condominiums», forms of participatory governance that actively engage institutions, stakeholders and citizens, and with which the Municipality can directly interact to improve multi-modal and low carbon mobility, freight logistic and environmental quality. REMEDIO will also develop an Integrated Modelling Tool to support a transition for a low carbon mobility solution in MED region. Consequently, themes like sustainable mobility and low carbon economy are of common interest for the projects REMEDIO and ClimACT.



Figure 4 - ClimACT activities in Sustentabilis

4.3 Loures InSS 2017

Loures Municipality invited ClimACT project to participate in Loures InSS (Figure 5) that was held in Parque da Cidade, in Loures, from 2nd to 5th June 2017. ClimACT schools from Loures presented the works developed within the project during the scholar year. The European projects ClimACT, LIFE Index-Air and Remedio were represented in a dedicated stand from Instituto Superior Técnico that was visited by more than 500 students and by the Loures habitants. Here the ClimACT project was represented by the IST partners, communicating the general ideas of the project through the presentation of its kakemono. The stand was also visited by the Secretary of State for the Environment and by the President of Loures Municipality, which showed a great interest in the work performed by the project in Environment Education.

ClimACT in collaboration with LIFE Index-Air project developed educational activities that were experienced by more than 200 students.



**INOVAÇÃO
SOCIEDADE
SUSTENTABILIDADE**

**Loures
InSS 2017**

2 » 5 junho

Parque Adão Barata | Loures

VEÍCULOS ELÉTRICOS • TEST DRIVE •
ENERGIAS RENOVÁVEIS • REUTILIZAÇÃO CRIATIVA •
ONG AMBIENTE • GESTÃO DE RESÍDUOS • CONCERTOS •
ANIMAÇÃO DE RUA • STREET FOOD • MÚSICA •
SEMINÁRIO • CIÊNCIA DIA A DIA •
GRUPO OPERACIONAL CINOTÉCNICO • EXPOSIÇÕES •
INSUFÁVEIS • WORKSHOPS • ATELIERES

ENTRADA E ATIVIDADES GRATUITAS

Escalão 1

17:00 Bandinha Academia Sons & Harmonia

17:15 Inauguração do posto de carregamento rápido de veículos elétricos

17:30 Cerimónia do hastear da Bandeira de Município ECODEX

17:45 Abertura oficial do Loures InSS

Bernardino Soares | Presidente da Câmara

18:00 Entrega de prémios Ecovalor, de Valorsul

18:15 Visita institucional ao evento com Ruínas de honra

18:30 Apresentação de trabalhos escolares

» **Sustentabilidade do Planeta**
Associação Nossa Senhora dos Anjos Camarate - Escalão B

» **Unidos pela energia**
Associação Nossa Senhora dos Anjos Camarate - Escalão C

21:30 Yuna Pousadas TPST Instituto Superior Técnico

Escalão 2

10:00 Aula de ioga | Ganesha Yoga OM

10:30 Demonstração de obediência e agilidade de cães da PSP

11:30 Oficina de cosméticos naturais Ateliê | SUSTENTABIL

14:00 Círculo de fôlido Ateliê | Instituto Superior Técnico

15:00 Palestra apicultura sustentável | Cooperativa Agrícola de Loures

16:30 Demonstração de energias renováveis | LAL

17:00 Aula de Zumba | Ballare Creative

18:00 Fantoches de dedo Ateliê | My dynamic

19:00 Espetáculo de dança Sevillanas/Flamenco Academia A a Dança

Escalão 3

10:00 Aula de ioga | PRIMAL

11:00 Os Lobos desçam ao parque

Molda a pegada do lobo Ibérico Grupo Lobo

12:00 Constrói o teu Rocket Ateliê | Salomefflu

14:00 Ciência da dia a dia Ateliê | Instituto Superior Técnico

15:00 Aeroespacial - Uma viagem pela tecnologia Ateliê | Instituto Superior Técnico

16:00 Construção de mandais amigos do ambiente | Ateliê | PRIMAL

17:00 Construção de hotéis polinizadores | Associação O Mundo das Abelhas

18:00 Workshop de Kizomba e Bachata | Ballare Creative

19:00 Reciclagem de papel Ateliê | My dynamic

21:00 A Pandagem | Grupo musical

Escalão 4

10:00 Aula de ioga | Ganesha Yoga OM

10:30 Demonstração de obediência e agilidade de cães da PSP

11:30 Oficina de cosméticos naturais Ateliê | SUSTENTABIL

14:00 Círculo de fôlido Ateliê | Instituto Superior Técnico

15:00 Palestra apicultura sustentável | Cooperativa Agrícola de Loures

16:30 Demonstração de energias renováveis | LAL

17:00 Aula de Zumba | Ballare Creative

18:00 Fantoches de dedo Ateliê | My dynamic

19:00 Espetáculo de dança Sevillanas/Flamenco Academia A a Dança

DURANTE TODO O EVENTO

Exposições de trabalhos escolares
Programa O Círculo Mágico

Bubble futebol
Funny Bubble

Coches encantados
Os principais Insufável | MyDynamic

Bowling humano
MyDynamic

Desporto, aventura, emoções fortes e diferentes
Sniper

Demonstração de planadores
APSLA

Test Drive - Veículos elétricos
Diversas marcas automóveis

Hidropne
História sensorial da água Grupo Águas de Portugal

Decathlon
Tiro com arco, petanca, vôlei e badminton

SIMAR
Demonstração da viatura de recolha de resíduos sólidos urbanos

Figure 5 - Loures InSS Agenda



Figure 6 - ClimACT activities in Loures InSS: the IST stand and handcrafts produced by students

ClimACT was also represented in the Seminar Inovation, Society and Sustainability organised in the framework of Loures InSS 2017 in Palácio dos Marqueses da Praia e Monforte.

4.4 Stakeholders Meeting in Portugal, in partnership with MOEBBIUS Project

IST and ISQ organised a stakeholder meeting in Portuguese Energy Day, 29th May 2017. ClimACT project, in partnership with MOEBBIUS project, prepared a meeting with stakeholders in the areas of energy, environment and air quality. This event aimed to present both European research projects, ClimACT and MOEBBIUS, and at the same time announced the latest developments on framing, implementation and study of energy efficiency in buildings. The invited speakers were expertise in air quality, energy efficiency, sustainability, research and financing programmes.

The event was held at ISQ auditorium, in its facilities in Oeiras. The joint event had a significant impact in ClimACT since it allowed to collect value input which was then applied for project activities such as KPI definition. The event also allowed MOEBBIUS to gather valuable inputs towards a co-creation process.

The event boosted the visibility of both projects thanks to the high number of stakeholders present at the event. The interaction between projects boosted the event participation and its dissemination through the specialist channels. The event was attended by around 60 participants and more than 10 news pieces were published online by media channels.

Overall, the event was a success, with very interesting panelists and positive feedback from participants. The event demonstrated that networking with other projects and joint activities lead to better results as opposed to working in isolation.

The agenda of the meeting is presented in [Figure 7](#).



Figure 7 - Agenda of the "Descarbonização da Economia" meeting.

MOEBBIUS introduces a Holistic Energy Performance Optimization Framework that enhances current modelling approaches and delivers innovative simulation tools which deeply grasp and

describe real-life building operation complexities in accurate simulation predictions that significantly reduce the “performance gap” and enhance multi-fold, continuous optimization of building energy performance as a means to further mitigate and reduce the identified “performance gap” in real-time or through retrofiting. Thus, it was identified a link between ClimACT and MOEEBIUS: *energy*. Plus, common partners are involved in both projects, the ISQ, which facilitates the inter-connection between projects.

Pictures of the event were taken and are shown in figures 8 and 9.



Figure 8 - Marta Almeida and Ricardo Rato from IST and ISQ, respectively



Figure 9 - Stakeholders Meeting

4.5 Stakeholders Meeting in Portugal in partnership with RER1015 project (International Atomic Energy Agency)

IST and International Atomic Energy Agency (IAEA) organised a stakeholders meeting in Portugal during the days of 13th to 17th November 2017, entitled “TN-RER1015-1702728 Regional Training Course on Advanced Methods in Positive Matrix Factorization (PMF) and Potential Source Contribution Functions (PSCF)”. In this event the ClimACT project was presented to expertise stakeholders in air quality research.

This event was attended for 27 participants from 19 countries in Europe and Central Asia and from different backgrounds (national environmental agencies and research institutions), being 4 of them the expertise speakers of the meeting. Two news were published in the social media.

The agenda of the meeting is presented in Figure .

	Monday 13	Tuesday 14	Wednesday 15	Thursday 16	Friday 17
9:00-10:45	OPENING CEREMONY Goal and Objectives of RTC <i>Ms Catarina Galinha¹</i> <i>Ms Marta Almeida⁷</i> Introduction of Participants (institutions, facilities, etc.)	LECTURE 3: New methods to estimate uncertainties Advantages and constrains <i>Mr Manousos Manousakas⁴</i>	Practical exercise 1 (cont.): Use of PMF EPA 5 for source apportionment ² <i>Mr Manousos Manousakas</i> <i>Mr Claudio Belis</i>	LECTURE 5: Use of potential source contribution functions (PSCF) for trajectory based model analysis Principles and tools <i>Mr Pedro Salvador³</i>	Group Discussion 3: Discussion of results obtained in exercise 2 Moderator: <i>Ms Marta Almeida</i>
10:45-11:00	Coffee Break				
11:00-12:20	LECTURE 1: Improvements in PMF application for source apportionment Comparison w/ other factor analysis techniques <i>Mr Claudio Belis⁵</i>	LECTURE 4: Quantitative evaluation of uncertainties and practical application of PMF EPA 5 enhanced diagnostics <i>Mr Manousos Manousakas</i>	Practical exercise 1 (cont.): Use of PMF EPA 5 for source apportionment <i>Mr Manousos Manousakas</i> <i>Mr Claudio Belis</i>	LECTURE 6: Demonstration of analysis of trajectories for recent studies <i>Mr Pedro Salvador</i>	Group Discussion 3: Discussion of results obtained in exercise 2 Moderator: <i>Ms Marta Almeida</i>
12:20-14:00	Lunch Break				
14:00-15:30	Group Discussion 1 ¹ : Discussion on results of inter- comparison exercise: (as conducted by Fairmode initiative) <i>Mr Claudio Belis</i>	Practical exercise 1: Use of PMF EPA 5 for source apportionment ⁵ <i>Mr Manousos Manousakas</i> <i>Participants⁶</i>	Group Discussion 2: Discussion of results obtained in exercise 1 Moderator: <i>Ms Marta Almeida⁷</i>	PRACTICAL EXERCISE 2: Interpreting results and trajectories in working groups <i>Mr Pedro Salvador</i> <i>Mr Claudio Belis</i>	Round Table: Course achievements, challenges and future actions <i>Ms Catarina Galinha</i> <i>Ms Marta Almeida</i>
15:30-15:45	Coffee Break				
15:45-17:15	LECTURE 2: Current developments in the FAIRMODE: Discussion on integration of RER1015 participants <i>Mr Claudio Belis</i>	Practical exercise 1 (cont.): Use of PMF EPA 5 for source apportionment <i>Mr Manousos Manousakas</i>	Group Discussion 2: Drafting report with conclusions of results obtained in exercise 1 Moderator: <i>Ms Marta Almeida</i>	PRACTICAL EXERCISE 2 (cont.): Interpreting results and trajectories in working groups <i>Mr Pedro Salvador</i> <i>Mr Claudio Belis</i>	CLOSING CEREMONY AND FAREWELL

¹ Ms Catarina Galinha, C2TN, Instituto Superior Técnico, Lisbon

² Participants are supposed to install the software on their PCs and bring the obtained datasets

³ Mr Pedro Salvador, Centro de Investigaciones Energeticas, Medioambientales y tecnológicas (CIEMAT), Madrid, Spain.

⁴ Mr Claudio Belis, Institute for Environment Sustainability, Joint Research Centre, EU.

⁵ Participants are supposed to install the software on their PCs and bring the obtained datasets

⁶ Participants are supposed to bring their datasets for this exercise

⁷ Ms Marta Almeida, C2TN, Instituto Superior Técnico, Lisbon

Figure 10 - Agenda of the "Descarbonização da Economia" meeting.



Figure 11 - Marta Almeida from IST presenting the ClimACT project

4.6 Workshop “Energy Efficiency as a Tool for Sustainable Development”

ClimACT project was invited to participate in the Energy Efficiency as a Tool for Sustainable Development Workshop (Figure 7), held in Arronches Cultural Center in Portugal, in 13rd of December 2017. This workshop addressed issues related to the implementation of energy performance contracts and energy efficiency in municipal and school buildings, and was organised under the STEPPING and EduFootprint projects, funded by the INTERREG-MED Program, under development by AREANATEjo in the municipalities of Alto Alentejo.



Figure 72 – Agenda of the Wokshop "Energy Efficiency as a Tool for Sustainable Development".

In this framework the ClimACT project was presented by IST Figure for more than 70 participants (among municipalities, municipal communities, enterprises and several referenced entities at local and national level), where two Portuguese enterprises demonstrated a huge interest in to collaborate with the project.



Figure 13 - ClimACT presentation in the Workshop "Energy Efficiency as a Tool for Sustainable Development".

4.7 ClimACT in the Annual Eco-Schools Seminar 2018

ClimACT attended the Annual Eco-Schools Seminar 2018 held in Guimarães, Portugal. This seminar intends to bring together the coordinating teachers of the Eco-Schools Program and the technicians of the municipalities involved in environmental education, in order to encourage the communication, to enable the sharing of common goals and exchange experiences. The event was addressed to teachers' coordinators of the Eco-Schools Program and other teachers, technicians from municipalities involved in the Eco-Schools Program, and other professionals related to environmental education for sustainability.


 Seminário nacional Eco-Escolas 2018 GUIMARÃES CENTRO CULTURAL VILA FLOR 26, 27 e 28 JANEIRO	
PROGRAMA	
Sexta, 26 de janeiro – manhã Grande Auditório do Centro Cultural Vila Flor	
8h30	REGISTO AOS PARTICIPANTES CREDENCIAÇÃO
9h00	Início – Grande Auditório do Centro Cultural Vila Flor
9h30	Painel de Abertura Município de Guimarães, Domingos Bragança, Presidente, Ministério do Ambiente, Francisco Teixeira, APA, Associação Bandeira Azul da Europa, José Archer, Presidente, Eco-Escolas – balanço Diplomas de Qualidade 2017 ABAE, Comissão Nacional Programa Eco-Escolas.
10h00	PAUSA VISITA A ECO-MOSTRA
10h30	Conferência: Geodiversidade, solos e floresta Galopim de Carvalho.
10h30-11h00	PAINEL II – Debate Floresta, desenvolvimento e cidadania Moderadora: Lúcia Schmidt, IC3-UL
11h30-12h00	João Guerreiro, Universidade do Algarve Marta Pinto, Universidade Católica do Porto Carlos Ribeiro, Laboratório da Paisagem Guimarães Pedro Ramos, Anêfa
12h00-12h30	ALMOÇO Centro Cultural Vila Flor
Sexta, 26 de janeiro – tarde Centro Cultural Vila Flor; Palácio Vila Flor; Hotel Guimarães	
14h30	WORKSHOPS: Nota: cada participante deve inscrever-se em dois workshops.
Sessão A 14h30-15h00	1. A Floresta Portuguesa: diversidade e ameaças no presente e no futuro. Albano Figueiredo, UC Foyer Grande Auditório, Piso 2
Sessão B 15h00-17h00	2. Monitorizar a Saúde da Floresta, Jorge Fernandes, LPN Foyer Grande Auditório, Piso 2 3. Ferramentas Tecnológicas para a promoção da Biodiversidade, Ilisa Antunes e Daniel Ferreira, Laboratório da Paisagem Palácio Vila Flor 4. Geodiversidade e Solos, José Manuel Silva, SRA da Madeira Palácio Vila Flor 5. Hortas Floridas, Fernanda Botelho Palácio Vila Flor 6. Conservação e biodiversidade, Tiago Carriho, Jardim Zoológico de Lisboa Palácio Vila Flor 7. Natureza contada - contos e educação ambiental, Ana Morgado e Cecília Henriques Palácio Vila Flor 8. B'green, como fazer um spot de vídeo? Henrique da Silva, Oficina, E. Profissional do INA Pça. Auditório 9. Recursos Eco-Escolas: plataforma, exposições, jogos, Margarida Gomes e INES, ABAE Grande Auditório
17h00	PAUSA
17h30	FÓRUMS ECO-ESCOLAS. Grupos de trabalho/ troca de experiências Inter-pares.
17h30-19h30	FÓRUM PROFESSORES A metodologia do Programa Eco-Escolas. Moderadores de Grupo: Grupo 1 – Tânia Filipe da Silva Foyer Grande Auditório, Piso 2 Grupo 2 – Maria Luísa Queirós Foyer Grande Auditório, Piso 2 Grupo 3 – Carlos Pepé Palácio Vila Flor Grupo 4 – Odete Melo Palácio Vila Flor Grupo 5 – Artur Vieira Palácio Vila Flor Grupo 6 – Eunice Pinto Palácio Vila Flor Grupo 7 – José Manuel Silva Palácio Vila Flor Grupo 8 – Maria da Graça Pereira Pequeno Auditório Grupo 9 – Helder Simões Grande Auditório Grupo 10 – Eco-Escolas ClimACT – Giovanni Giorgetti e Vítor Manteigas Centro Cultural Vila Flor
20h30	FÓRUM MUNICÍPIOS Práticas de Educação para a Sustentabilidade, Margarida Gomes; Tânia Vicente, ABAE, Hotel Guimarães JANTAR Restaurante MIT da Penha. Participação mediante inscrição.
Jovens Reportéres para o Ambiente em Missão Um grupo de 6 Jovens reportéres freelancers provenientes de diversos pontos do país, estará em reportagem durante os dois primeiros dias do Encontro, sob a orientação da ABAE: Bruno de Sousa (Braga) Filipa Murta (Odemira) Inês Coutinho (Nazaré) Manuel Farias (Castelo Branco) Maria Cereira (Lisboa) Paulo Cardoso (Viana)	
Uma Equipa de 4 Jovens da Oficina – Escola Profissional do Instituto Nuno Álvares, estará também a fazer a cobertura do evento, sob a orientação dos seus professores.	
Sábado, 27 de janeiro – manhã Grande Auditório do Centro Cultural Vila Flor	
9h00	Painel III: EDS em Municípios Parceiros Eco-Escolas Moderador: Augusto Serrano, APA
9h00-10h00	Município de Guimarães, Adelfina Paula Pinto Município de Estarreja, João Alegria Município de Alfândega da Fé, Ana Sofia Araújo
10h00	Painel IV: Como construir uma sociedade mais sustentável Moderador: Jorge Cristiano, CM de Guimarães
10h00-11h00	Floresta e Alterações Climáticas, Francisco Ferreira, ZERO/FCT-UNE Escolas Baixo Carbono, Projeto ClimACT, Marta Almeida, IST Experiência de uma Jovem Reportéira na COP 23, Mafalda Gomes
11h00	PAUSA VISITA A ECO-MOSTRA
11h30	PAINEL V – Estratégias e Referenciais em Educação Ambiental Moderadora: Lúcia Schmidt, IC3-UL
11h30-12h30	Estratégia Nacional de Educação Ambiental, Agência Portuguesa do Ambiente Estratégia Nacional de Educação para a Cidadania e Referencial de Educação Ambiental para a Sustentabilidade, Helder Pais, Direção Geral de Educação
12h30	PAINEL VI – Montra de Projetos: 6 minutos, 6 parceiros Moderador: José Manuel Silva, SRA Madeira
12h30-13h15	Gale o Semeador, Sofia Quaresma Projetos Inovadores, Joel Palhas Grupo Lobo, Sílvia Ribeiro Fórum Estudante, José Maria Archer Carro de Sonho, Tiago Gonçalves, Toyota Power Quiz, Filipa Alves, Zero
13h15-14h30	ALMOÇO Centro Cultural Vila Flor
Sábado, 27 de janeiro – tarde Grande Auditório do Centro Cultural Vila Flor	
14h30	PAINEL VII – Metodologias em educação para a ciência e sustentabilidade, Moderadora: Margarida Gomes, ABAE
14h30-15h15	Project Based Learning: Eco-Schools, Globe Kim Martinez, National Wildlife Federation, USA Science Trails, Island Diverse, Dark Skies Rosa Doran
15h30	PAINEL VIII – Boas Práticas em Eco-Escolas contadas pelos alunos e professores. Moderadora: Margarida Gomes, ABAE
15h30-16h30	Insitnto Natural, Rafael Pepé e Miguel Florentino Transformar a minha escola numa Eco-Escola, Paulo Cardoso Escola EBI de Colmeias, Paulo Dias, Leiria Agrupamento de Escolas Virgínia Moura, Maria de Jesus Carvalho, Guimarães
16h30	PAUSA VISITA A ECO-MOSTRA
17h00	PAINEL IX: PROJETOS ECO-ESCOLAS – Projetos e Desafios
17h00-18h00	Programa Eco-Escolas: da formação à ação, Desafios 2018 Margarida Gomes, ABAE Geração Depósito 10 Filipa Moita, ERP Portugal Desafio UHU - Biodiversidade Sílvia Oliveira, UHU A Loja vai à Horta Vanessa Seixas, AKL Let it Grow Tiago Carriho, Jardim Zoológico de Lisboa Sorteio Global Action Days (para os professores presentes no Seminário que realizaram o GAD de novembro 2017). Sorteio de: voucher Green Key Restaurant "A Cozinha" e Kits UHU. Entrega dos prémios: melhor fotografia Seminário 2017; Melhor spot promocional Seminário 2018.
18h00	Apresentação da visita a Guimarães Jorge Cristiano, CM de Guimarães
18h30	ENCERPAMENTO: com a presença de Ana Paula Pinho, Vice-presidente da CM de Guimarães
Em Paralelo nos dias 26 e 27 de janeiro Foyer do Grande Auditório do Centro Cultural Vila Flor	
ECO-MOSTRA Mostra de Ambiente e Sustentabilidade. Entidades convidadas: Agrobio; AGRIF (FSC Portugal); Aromáticas vivas; ASPA; Associação Helpo; Associação Zero; Betweel; BioBrassica; B'Green; Câmara Municipal de Guimarães; Dark Skies Rangers; Editora Temas e Debates; ERP Portugal; Fernanda Botelho; FNAC; Fórum Estudante; Grupo Lobo; Hanna Instruments; ICNF; Ideias Ambientais; Jardim Zoológico de Lisboa; Laboratório da Paisagem; LPN; MARE-SPA; Mapeamento de Invasoras; National Wildlife Federation; Parque Biológico de Gaio; Quercus; Sarah Trading; Sementes Vivas; Toyota; UHU e ainda Mostra de Produtos Locais.	
EXPOSIÇÕES: Pósters Eco-Código e Jogo "Oh! o Código". Prenda surpresa para as respostas certas. Árvores Nativas de Portugal e "Oh! o Código". Prenda surpresa para as respostas certas. ONGAs e projetos de educação ambiental, CITA's.	
AÇÃO DE FORMAÇÃO CREDITADA DURANTE O SEMINÁRIO Os professores poderão optar por ter formação creditada devendo para isso realizar uma inscrição específica. Este ano pela primeira vez decorrerão 2 ações de formação podendo os participantes optar por uma delas. Ação de formação de 25h+1 crédito. Ação ClimACT em regime de b-learning.	
DESAFIOS AOS PARTICIPANTES DURANTE O SEMINÁRIO Tela coletiva - a ser criada pelos participantes durante os dias 26 e 27. Oh! o código - jogo de leitura de eco-código Ficha nas pastas prémios Ohi a árvore - jogo de leitura as Árvores Nativas de Portugal Ficha nas pastas prémios Reporte e partilha - com o hashtag #seminarioecoescolas2018 Facebook ou Instagram Fotoreportagem "Guimarães mais verde" - enviar fotos para ecoescolas@abae.pt até 5 de fevereiro Regulamento nas pastas prémios.	
9h00-19h00	Visita a Guimarães. Acompanhada por técnicos da Câmara Municipal.
Domingo, 28 de janeiro	

Figure 14 - Agenda of the Annual Eco-Schools Seminar 2018

The ClimACT project was present by IST to more than 500 participants, where the main purpose and goals of the project were shown.



Figure 15 - ClimACT presentation by IST in the Annual Eco-Schools Seminar 2018.

4.8 ClimACT in COLOSSAL Cost Action

The IST team attended two training courses (ToF-ACSM Training School and Training School on source apportionment of organic aerosol) in the framework of the COST Action CA16109 (COLOSSAL - Chemical On-Line cOMpoSition and Source Apportionment of fine aerosol) held in Prague, Czech Republic, in 12nd-17th February 2018. The project's main goals and its main actions were presented to 30 participants/researchers on the field from different European countries.

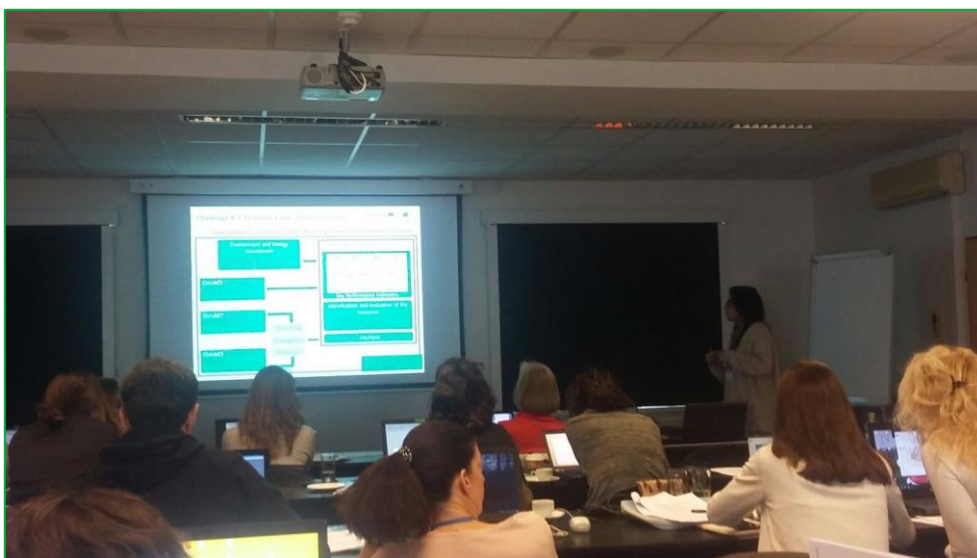


Figure 16 - ClimACT presentation by IST in the COST ACTION CA16109 trainings.

4.9 Loures InSS 2018

On 5th June 2018, in the auditorium of Campus Tecnológico e Nuclear, Instituto Superior Técnico, Lisbon, a seminar was held in which the ClimACT project was invited to take part (Figure).

At the Seminar, the ClimACT member Joana Lage, from IST, presented to the local community and stakeholders the project concept, methodology and main results at that stage, on a session entitled “*Construir uma sociedade baixo carbono – projecto ClimACT*”. Around 86 delegates attended the seminar (Figure).



LRS | **IST** TÉCNICO LISBOA

**INOVAÇÃO
SOCIEDADE
SUSTENTABILIDADE**

Loures InSS 2018

SEMINÁRIO

5 junho | 10:00 » 16:00

Auditório do Campus Tecnológico do Instituto Superior Técnico | Bobadela

09:30 Receção aos participantes

10:00 Abertura
Paulo Pitelra | Vice-presidente da Câmara Municipal de Loures
Instituto Superior Técnico
Moderação: Jaime Henriques
Associação Portuguesa de Ética Empresarial

10:30 Desafios da economia circular na gestão do ciclo urbano da água
Rita Alves | Águas do Tejo e Atlântico

10:50 Gestão de resíduos de construção e demolição. Criação da entidade gestora
António Abreu Ferreira
Coordenador do projeto

11:30 Objetivos de Desenvolvimento Sustentável do grupo EDP
Eduardo Moura | Grupo EDP

11:30 Pausa para café

11:45 Mobilidade elétrica. O desafio de expandir uma rede de mobilidade elétrica
Ricardo Dinis | Mobilelectric

12:05 Projeto REMÉDIO
Mobilidade sustentável e requalificação urbana
Fernando Noivo | Câmara Municipal de Loures

12:30 Almoço buffet
Servido pelos alunos do Curso Profissional Técnico de Restauração
Escola Secundária de Camarate

14:00 Participação ativa da comunidade em matéria de ambiente
Arlindo Marques | proTEJO – Movimento Pelo Tejo

14:20 Devolver os rios e ribeiras às populações. Aplicação de técnicas de engenharia natural
Pedro Telga | Engenho e Rio

14:40 Pesca por um Mar sem Lixo. Preservação dos recursos e ecossistemas marinhos
Docapesca Partos e Lotas, S.A.

15:00 Eficiência energética. Observatório de Sustentabilidade do Município de Loures
Pedro Oliveira | Agência Municipal de Ambiente e Energia de Loures

15:20 Construir uma sociedade baixo carbono – Projeto ClimACT
Marta Almeida | Instituto Superior Técnico

15:40 Debate

15:45 Encerramento
Paulo Pitelra | Vice-presidente da Câmara Municipal de Loures

16:00 Búscas de Honra

PARTICIPAÇÃO GRATUITA Mediante inscrição prévia
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Figure 17 - Loures InSS 2018 Seminar Agenda



Figure 18 - ClimACT presentation at Loures InSS 2018 Seminar

The presentation is available to download in ClimACT Gateway.

4.10 Sinfonia 2018

ClimACT was presented by Céline Berthier, from the municipality of La Rochelle, at the Sinfonia project meeting, held in La Rochelle on June 19th 2018. The SINFONIA project is a five-year initiative to deploy large-scale, integrated and scalable energy solutions in mid-sized European cities. The municipality of La Rochelle is a member of the consortium of this project.



Figure 19 - ClimACT presentation at Sinfonia meeting, in La Rochelle.

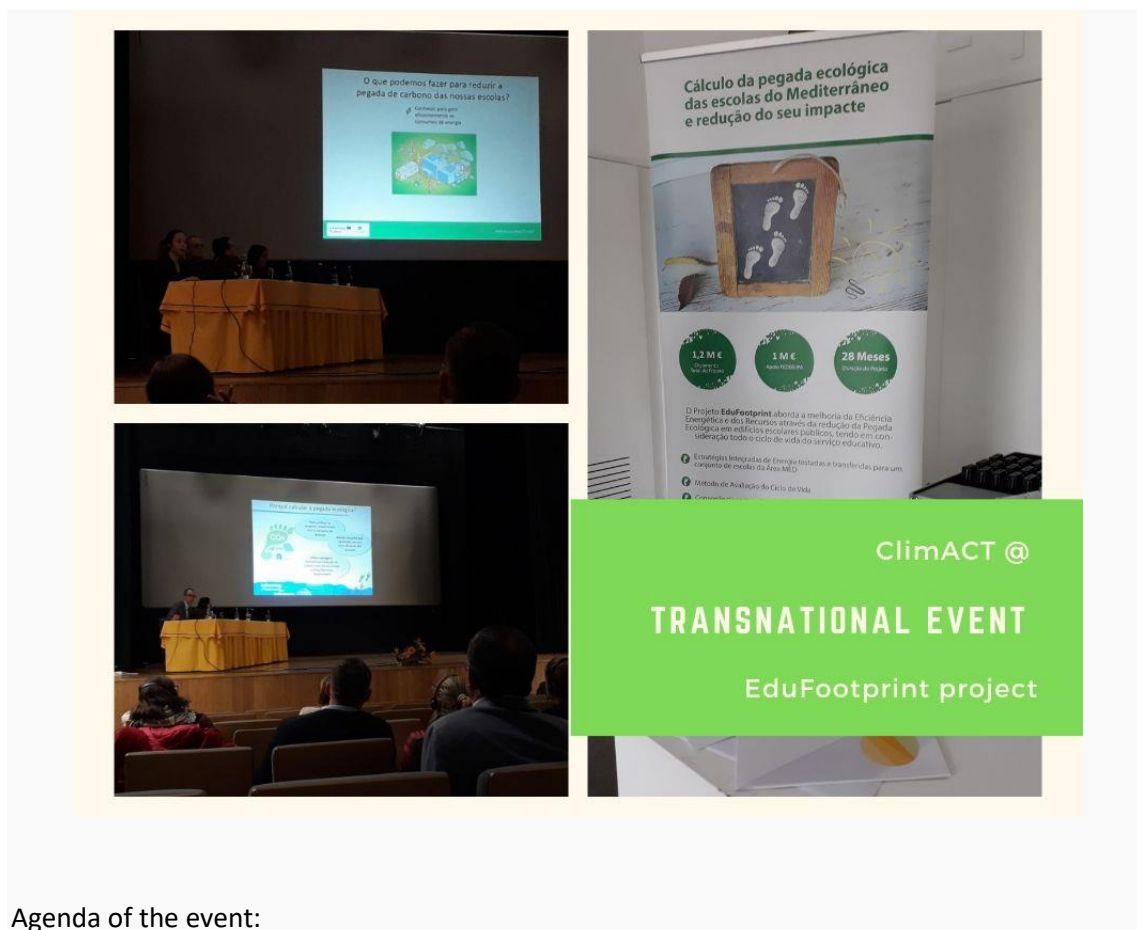
The presentation is available to download in ClimACT Gateway.

4.11 Transnational Event – EduFootprint Project

The ClimACT project was invited to participate in a transnational event in the framework of the EduFootprint project (<https://edufootprint.interreg-med.eu/>), on 26 March 2019, in Castelo de Vide, Portugal.

This event was promoted by the AREANATEjo – Agência Regional de Energia e Ambiente do Norte Alentejo e Tejo jointly with the Spanish partners of this project (COIIAOC), and aimed to promote the exchange of experiences in the scope of projects directed to schools, at European level, thus fostering synergies with ClimACT.

Marta Almeida, ClimACT's coordinator, shared the project with an audience of 40 participants.



Agenda of the event:



Evento Transnacional PORTUGAL – ESPANHA

Eficiência Energética em Escolas do Mediterrâneo

26 de março de 2019, Cineteatro de Castelo de Vide (Portugal)

AGENDA

09:00 – Receção aos participantes

Município de Castelo de Vide, AREANATEjo e COIIAC (parceiros português e espanhol do Projeto EduFootprint, respetivamente)

09:15 – Apresentação do Projeto e da abordagem de avaliação do ciclo de vida

Provincia de Treviso (Itália), Coordenadora do Projeto EduFootprint

09:40 – A Pegada Ecológica e os Planos de Energia: reflexões sobre as experiências levadas a cabo em algumas escolas do Alto Alentejo (Portugal) e da região de Andalusia (Espanha) sobre a redução do consumo de energia e das emissões de CO₂

Provincia de Treviso (Itália), Coordenadora do Projeto EduFootprint

10:10 – Demonstração da Plataforma e APP EduFootprint

Provincia de Treviso (Itália) e IRI-UL (Eslovénia), Parceiros do Projeto EduFootprint

10:30 – Coffee – Break

10:45 – Mesa Redonda 1: A experiencia da AREANATEjo e do COIIAC no Projeto EduFootprint – Boas práticas em Escolas Portuguesas e Espanholas no âmbito do EduFootprint

AREANATEjo and COIIAC

11:15 – Mesa Redonda 2: Aprender e trocar experiências com outras regiões, escolas e iniciativas da UE:

- Projeto CLIMACT - Transição para uma economia de baixo carbono nas escolas (*Instituto Superior Técnico*)
- Projeto 2IMPRESZ (*A confirmar*)
- CLIMADAPT - Estratégias Municipais de Adaptação às Alterações Climáticas (*Município de Castelo de Vide*)
- GaME – Ganha a Melhor Escola (*S.Energia*)

12:00 – Debate

12:20 – Almoço livre

14:00 – Visita técnica a Escolas/Instalações onde foram instalados novos equipamentos *

** Os participantes deverão assegurar o seu transporte para os locais a visitar.*

Observação:

Haverá interpretação simultânea em 3 línguas (Inglês, Português e Espanhol)



4.12 Transition Training Workshop for Energy-Saving Territories

The ClimACT project was invited to participate at the **Transition Training Workshop for Energy-Saving Territories**, integrated in the European Sustainable Energy Week, on 15 May 2019.

Marta Almeida, ClimACT project coordinator, shared with the audience a presentation entitled *“O papel das escolas ClimACT na transição para uma sociedade de baixo carbono / The ClimACT schools role in the transition to a low carbon society”*.

Agenda of the event:




Integrado nos "Energy Days" da Semana Europeia da Energia Sustentável (Sustainable Energy Week)

Workshop de Capacitação

Transição para Territórios Energeticamente Sustentáveis

Estratégia Municipal de Adaptação às Alterações Climáticas de Loulé

15 maio
Auditório do Convento Espírito Santo, Loulé

<p>09:00 Receção aos Participantes</p> <p>09:15 Sessão de Abertura</p> <p>TEMA 1 - DESAFIOS DA TRANSIÇÃO ENERGÉTICA NO HORIZONTE DE 2020 E 2030</p> <p>09:30 Políticas energéticas: tendências e transição DGEG - Direção Geral de Energia e Geologia</p> <p>10:00 Eficiência Energética na Administração Pública: a experiência da ADENE ADENE - Agência para a Energia</p> <p>10:30 Pobreza Energética: diagnóstico e caminhos João Pedro Gouveia CENSE/FCT-UNL</p> <p>10:50 Interação com os atores-chave</p> <p>COFFEE BREAK</p> <p>11:30 Novas oportunidades de financiamento para a transição energética Alexandra Carvalho Fundo Ambiental</p> <p>11:50 Estratégia Algarve 2030: desafios e oportunidades Aquiles Marreiros CCDR Algarve</p> <p>12:10 Debate</p> <p>ALMOÇO LIVRE</p>	<p>TEMA 2 - BOAS PRÁTICAS E SOLUÇÕES INOVADORAS</p> <p>14:30 O papel das escolas ClimACT na transição para uma sociedade de baixo carbono Marta Almeida Centro de Ciências e Tecnologias Nucleares (CTN) - Universidade de Lisboa</p> <p>14:50 Inovação na gestão e armazenamento de eletricidade Projeto Sensible EDP</p> <p>15:10 Armazenamento e Gestão de Energias Renováveis na Região do Algarve Cláudio Casimiro AREAL - Agência Regional de Energia e Ambiente do Algarve</p> <p>15:30 Interação com os atores-chave</p> <p>COFFEE BREAK</p> <p>16:15 Autonomia energética e fontes renováveis: iniciativas de cidadania Yolanda Picazo Cooperativa Mujeres con Energía (Espanha) Ana Rita Antunes Cooperativa Copérnico Projeto Culatra 2030 - Cláudia Sequeira Universidade do Algarve Vitor Cóias GECORPA</p> <p>17:30 Debate</p> <p>18:00 Encerramento</p> <p>Inscrições gratuitas (até dia 13 de maio) loulé.adapta@cm-loulé.pt</p>
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ORGANIZAÇÃO





PARCEIROS





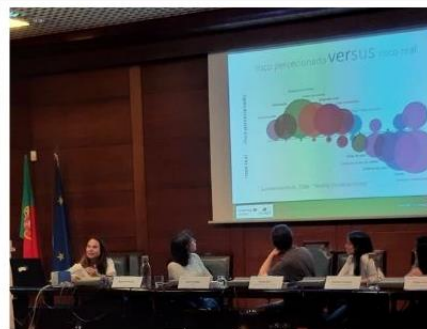
4.13 Event by the Portuguese National Education Council – Education and challenges of the future: environment and sustainable development

The Portuguese National Education Council invited the ClimACT project to participate in the seminar *Educação e desafios do futuro: ambiente e desenvolvimento sustentável* / **Education and challenges of the future: environment and sustainable development**, on 22 May 2019, at the National Education Council, Lisbon, Portugal.

Marta Almeida, project's coordinator, shared the project with an audience of 80 participants.



João Pedro Matos Fernandes, Minister of the Environment and Energy Transition



Marta Almeida, presenting at the event

Agenda of the event:

Educação e desafios do futuro: ambiente e desenvolvimento sustentável

Tendo em conta os “desafios do futuro”, cujas implicações para a educação o Conselho Nacional de Educação (CNE) tem vindo a debater, e a preocupação, partilhada com o Conselho Nacional do Ambiente e do Desenvolvimento Sustentável (CNADS), relativamente à urgência de políticas e prioridades educativas em matéria de Educação Ambiental e para o Desenvolvimento Sustentável (EA/EDS), decidiram as duas instituições levar a cabo uma iniciativa conjunta que:

- Alertar para as mudanças climáticas e identificar algumas respostas educativas já em curso ou desejáveis;
- Aprofunde a reflexão e o debate sobre as potencialidades de desenvolvimento sustentável do país, em particular do interior despovoado, e a prevenção escolar de incêndios e outras catástrofes;
- Dê visibilidade às oportunidades abertas pela plataforma marítima e incentive o seu estudo;
- Reconheça o trabalho de escolas e ONG em matéria de Cidadania e de Educação Ambiental, identificando boas-práticas, dificuldades e constrangimentos;

Num contexto de transferência de competências para as autarquias em matéria de educação e de maior flexibilidade curricular ao nível escolar, importa que a Estratégia Nacional de Educação Ambiental (ENEA) e a Estratégia Nacional de Educação para a Cidadania (ENEC) surjam com um impulso renovado, advogando uma educação mais transversal, mais aberta e mais participada.

Nesta perspetiva é essencial debater como proceder perante os seguintes objetivos:

- Propor mecanismos de cidadania participativa ao nível local e nacional de jovens cidadãos;
- Fomentar, na comunidade educativa, a contenção de práticas insustentáveis, potenciando uma educação para a cidadania participativa e interventiva dentro e fora das escolas;
- Desenvolver fatores de resiliência que assegurem a continuidade das ações enunciadas nas ENEC e ENEA para além de 2020 e do corrente ciclo político;
- Propor formas de inscrição destas temáticas nas atividades escolares.

PROGRAMA

9h30

ABERTURA

Maria Emília Brederode Santos
Presidente do Conselho Nacional de Educação
Filipe Duarte Santos
Presidente do Conselho Nacional do Ambiente e Desenvolvimento Sustentável
João Pedro Matos Fernandes
Ministro do Ambiente e da Transição Energética
Tiago Brandão Rodrigues
Ministro da Educação

10h00 - Conferência

Alexandre Quintanilha
Presidente da Comissão Parlamentar de Educação e Ciência
Presidente da Mesa
Rosalia Vargas
Conselho Nacional de Educação

10h30 - PAUSA

11h00 - Painel I – O Mar

Ricardo Serrão Santos
Universidade dos Açores
Teresa Pina
Fundação Oceano Azul
António Gabriel
Escola Secundária Camões, Lisboa
Presidente da Mesa
Teresa Andresen
CNADS

12h30 - ALMOÇO LIVRE

14h00 Painel II – Florestas

Jorge Paiva
Universidade de Coimbra
Tiago Oliveira
AGIF - Agência para a Gestão Integrada de Fogos Rurais
Vitor Martins
Escola Básica André Soares - Braga
Presidente da Mesa
José Reis
CNADS

15h30 - Painel III – Alterações Climáticas

Julia Seixas
FCT - UNL
Marta Almeida
IST
Susana Faustino e Liliana Peralta
Escola Secundária de Loulé
Presidente da Mesa
Antero Resende
Conselho Nacional de Educação

17h00 - Mesa Redonda – Educação e Ambiente: uma agenda para o futuro

Luísa Schmidt
ICS-ULisboa / CNADS
José Janela
Agrupamento de Escolas n.º 1 de Portalegre/CNADS
Helena Barracosa
Centro de Formação de Professores do Algarve
Jorge Palmeirim
FCUL/ Liga para a Proteção da Natureza
José Vítor Malheiros
Jornalista
Martilde Aylm
Movimento Estudantil pelo Clima
Presidente da Mesa
João Cravinho
Conselho Nacional de Educação

22 de MAIO 2019 | CONSELHO NACIONAL DE EDUCAÇÃO
AUDITÓRIO



Educação e desafios do futuro:
ambiente e desenvolvimento sustentável

4.14 Loures InSS 2019

The Loures InSS 2019 took place between June 5 and June 8 at the Adão Barata Park in Loures.

The Loures InSS is a project promoted by the Municipality of Loures, in partnership with Instituto Superior Técnico, which aims to promote sustainability, through the transmission of environmental and citizenship goodwill, and to value the environmental potential of the municipality of Loures.

The 2019 edition was framed in the climate change theme. In this sense, the ClimACT project was invited to participate on June 8, where several activities were scheduled in the morning under the motto Family Environment – Small Gestures, Great Changes.

This event was targeted to the entire community, and during the morning of 8th June, almost 50 attendees approached the ClimACT stand.



Agenda of the day 8th June:



PROGRAMA • Dia 8 • 10:00 > 13:00

- Peddy Paper Ambiental**
A descoberta do Parque Adão Barata e suas características naturais, com transmissão de conhecimento para a prevenção e conservação da natureza.
- O que fazes ao óleo das tuas batatas fritas?**
A importância da recolha seletiva de óleos alimentares usados na problemática da contaminação das águas residuais urbanas.
- O camelo, o burro e a água**
O Camelo e o Burro, personagens desta história, são apresentados lado a lado e poderá acompanhar o seu comportamento durante um dia sem fornecimento de água. O que acontecerá no final?
- Promoção do Uso da Água da Torneira**
Vem pedalar e aprender que o teu esforço simula a captação de água, e ensina a atividade diária dos SIMAR na garantia do acesso à água às populações. Vamos valorizar a promoção do uso da água da torneira (Org. SIMAR).
- Mobilidade Sustentável**
Diverte-te a andar de bicicleta (a pedal ou elétrica), e de carrinhos a pedais.
- Gincana Ambiental**
De uma forma dinâmica vem aprender a enfrentar os principais desafios da atualidade.
- Jogo da Energia**
Jogo com as diferentes energias e as imagens que as identificam (Org. AMEAL).
- ClimAct / Life Index-Air**
Projeto europeu, desenvolvido sob a coordenação do C2TN - Centro de Ciências e Tecnologias Nucleares do Instituto Superior Técnico Apresenta como principal objetivo a promoção da transição para uma economia de baixo carbono (Org. IST).
- Remedio**
Projeto Europeu que reforça a capacidade de utilização de sistemas de transporte de baixo carbono nas cidades.

Participe!

As pessoas são a nossa marca

www.cm-loures.pt

4.15 'Yo climactuo' awareness campaign

CIEMAT launched community awareness campaigns in social media. In order to achieve that awareness activities deployed in each region reach out to a significant target audience, the CIEMAT team designed a social media campaign. In terms of numbers and diversity, the aim of the campaign was to target the whole school community.

The campaign had a 'challenge' format, which asked for community participation. Students, parents and staff from schools were asked to share pictures doing an environmental activity. Those where called "Climactuaciones", and the challenge was tagged as #YoClimACTuo.

A special focus was put in students and their families that were the main target audience, since they represent the long-term potential to change societal behaviour and make a major shift towards a Low Carbon Economy, resource efficiency, smart and sustainable growth.

CIEMAT communicated the campaign to schools, stakeholders and partners engaged in ClimACT. CIEMAT launched the challenge on Instagram, Twitter and Facebook. The participant who got more "likes" received an award. The award consisted of an 'efficiency kit' for households.



Around 20 groups from different platforms participated.

The initiative was recognised as a positive experience by Low Carbon Coordinators and schools are willing to run it again the future.

The winner got 50 likes on Facebook (see below) and full results can be checked on:

- <https://www.instagram.com/explore/tags/yoclimactuo/>
- https://www.facebook.com/search/top/?q=%23yoclimactuo&epa=SEARCH_BOX
- https://twitter.com/search?q=%23yoclimactuo&src=typed_query

