

Βελτίωση Ενεργειακής Αποδοτικότητας Σχολικών Κτιρίων: 'Έργο Interreg MED TEESCHOOLS

Headquarters - Athens

Address: Kosti Palama 46, Dafni, 17237 Athens

Tel./Fax: +30 210 3800750, +30 215 5600440

Representative Office - Brussels

Address: Rue du Commerce 123, Suite 210, Brussels, 1000

Tel.: +32 2 8955880

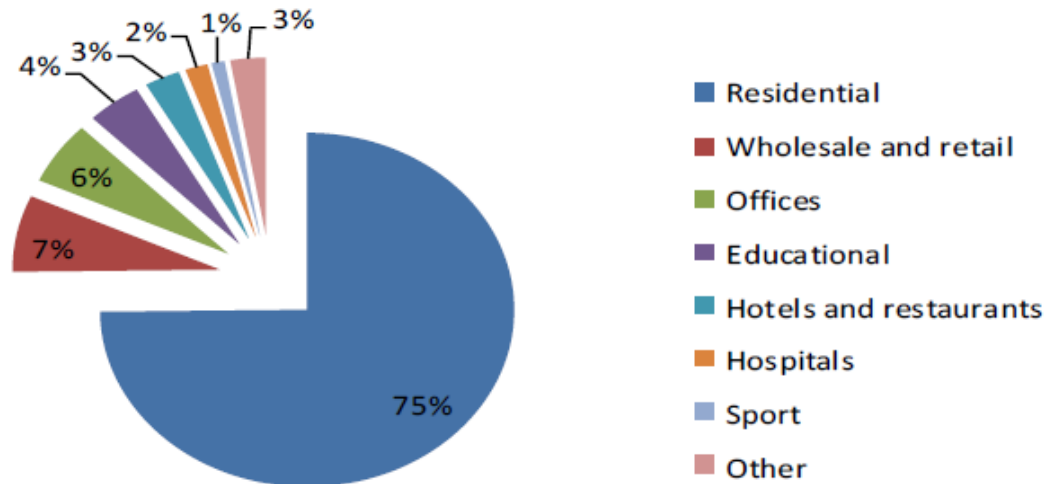
Follow us



e-mail: info@livingprospects.gr

website: www.livingprospects.gr

Existing building stock in Europe (excluding industrial buildings)



Source: Ecorys, Ecofys and Biointelligence, 2010

- **One-third of global greenhouse gas (GHG) emissions** are the product of buildings; a value that is anticipated to double by 2050, if no action is taken. (UNEP, 2015).
- Buildings account for **more than 40% of global energy use**, and approximately 30% of energy-related GHG emissions (Lucon et al. 2014; UNEP, 2014).

- Programme:



Interreg MED 2014-2020

-Project :



TEESCHOOLS

Challenges

MED regions need a **common and long-term** strategy to a) remove barriers that prevent diffusion of mass Nearly Zero Energy Building renovation activities, b) **increase energy efficiency and** c) **reduce carbon footprint** of building stock while improving the growth of local jobs.

Approach

The project addresses the challenges with an holistic approach which will take into account the **financial, environmental and energy aspects of NZEB renovation of public buildings**, the training need of local staff, the development of **regional policies** and Sustainable Energy **Action plans**.

Objectives

- Specific Objective (MED Programme):

To **raise capacity** for better management of energy in **public buildings** at transnational level.

- Objective (TEESCHOOLS Project):

To facilitate the **implementation of the Energy Efficiency Directive** creating conditions so that more municipalities, financing institutions and consultants Develop projects of **deep renovations of schools** in the next years.



The project aims to support Local Authorities to Implement Nearly Zero Energy Building (NZEB) refurbishments in Mediterranean schools. An integrated set of user friendly tools will be tested and validated by pilot actions in each partner region.

Key outputs

- Integrated set of tools supporting energy efficiency management in schools with carbon footprint calculator; best practices database for NZEB energy renovation of school buildings; financial solutions and schemes for energy efficiency;
- Pilots applications at school buildings: energy audits, renovation plans, calculation of carbon footprint of the renovation activities, development of energy service models and financing schemes.
- E-learning and face-to-face training of Regional and Municipal technical staff, energy managers and students.
- Development of policy recommendations and integration of project outputs to city plans.

01 Feb 2017 to 31 Jan 2020
Duration

Lead Partner



Project partners



f Teeschools @Teeschools

Project co-financed by the European Regional Development Fund

Objectives – How they will be achieved

- Integrated set of tools will be **tested and validated by pilot activities**. Such pilots include: **energy audits** of representative **school buildings**, drawing up **preliminary renovation plans**, calculation of carbon footprint of the renovation activities, development of energy service models and financing schemes.
- **Training** of the energy managers of the region, the Municipal staff and students.
- Development of **policy recommendation** to overcome the identified barriers and **integration of project outputs** in the city plans.

Simplify and speed up the process of deep renovation of school buildings:

- ✓ **pre-audit tool** - helps in streamlining the audit process.
- ✓ environmental tool to **quantify the carbon footprint of renovation** activities in a life cycle perspective.
- ✓ database of innovative and **cost effective techniques** for NZEB renovation and retrofitting school buildings.
- ✓ **innovative financing schemes** to overcome the barrier of budget limitations.
- ✓ **qualified trainings** will address the main targets of the school building renovation process.
- ✓ **use of novel energy saving technologies** while verifying their cost effectiveness and the financing opportunities in the participating region.



Partnership – Duration - Budget

Partnership

- ✓ Italian National Agency for New Technologies, Energy and Sustainable Economic Development (Lead Partner)
 - ✓ Living Prospects Development & Environmental Services
 - ✓ Valencian Federation of Municipalities and Provinces
 - ✓ EGTC Efxini Poli – SolidarCity NETWORK
 - ✓ City of Split
 - ✓ Department for Development and International Projects of Government of Zenica-Doboj Canton
 - ✓ CYPRUS ENERGY AGENCY
 - ✓ RIBERA CONSORTIUM
 - ✓ HEP ESCO LTD
 - ✓ Municipality of Castel San Pietro Terme
 - ✓ Chamber of Craft and Trade PACA Region
- (11 Partners, 4 Associated Partners, 7 countries)**

Duration

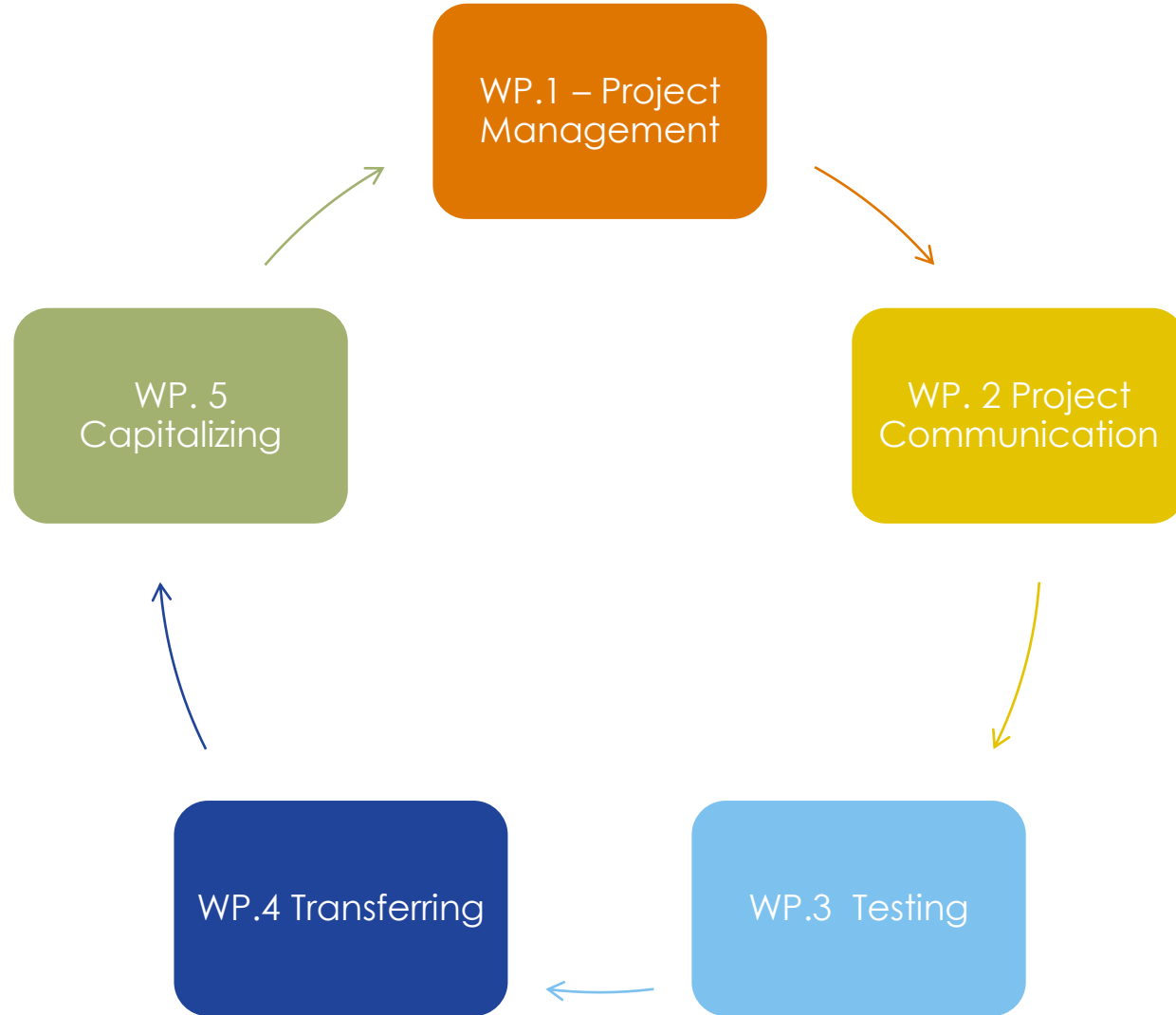
- ✓ 01 / 02 / 2017 – 31 / 01/ 2021

Budget

- ✓ € 2.840.000,00



Work Packages



WP. 3 Implementing advanced support tools for energy efficiency renovation projects

- Facilitate **renovation projects** which will use novel energy saving technologies in public buildings following the 3 aspects of **energy saving, environmental performances and economy**.
- testing and validating the tools.
- the critical point in all Mediterranean regions is the scarcity of public funding to invest in renovation activities - a particular attention will be given to make an inventory, systematize and adapt Energy performance contracts models, PPP partnerships, to maximize the flux of private capital in public building renovations.

WP. 4 - Capacity building in the public, schools and professional sector

- Capacity building will be addressed at several levels: technical, financial, planning, administrative and political.
- **Pilot activities will be the main mean** to involve Local Authorities. Municipalities staff will be involved in the pilots from the very beginning and in each action. Trainings will be targeted to Municipal energy managers, technical staff and stakeholders, as well as to students and school teachers.
- **A regional conference** will be organized in each region to involve regional authorities and staff.

WP. 5 - Capitalization of project outcome

- Capitalization will be done through institutional contacts of the partners: Regions, Associations of Municipalities, Municipalities, Regional or National Energy Agencies. Networks developed in previous projects, will be involved in the activities.
- **Synergies with the Covenant of Mayors.**
- **Action plans, policy recommendations and a green paper** to openly discuss energy efficiency issues will be issued.

Thank you for your attention!



Contact Person

Konstantinos Karampourniotis (env@livingprospects.gr)

Organization

Tel: +30 210 3800750 & +30 215 5600440

info@livingprospects.gr

