

The **ENABLEIMPACT** project - **EN**ergy **A**udit of **B**uildings in **L**ocal authorities: **IM**proving **P**erformance through administrative **ACT**ions

The **project** objective is to improve the energy efficiency of public buildings through administrative action. Specifically, public administrations often use energy in an inefficient way, and instead of stimulating energy-sensitive behaviour, this creates a poor model for building occupants.

One of the biggest obstacles in the attempt to improve this situation is the lack of information, simple tools, and incentives to help local administrators achieve more efficient use of energy. As a support tool, the ENABLE IMPACT project has therefore created a kit for distribution to all administrations and schools requesting it, providing them with simple technical and financial procedures for achieving rational energy use in their buildings.

The kit contains a simple energy audit procedure and handbook for public buildings, possible measures that they can adopt, information about funding mechanisms, and suggestions for improved energy management (guidelines); finally, it contains materials for a communication and sensitization campaign aimed at encouraging energy-conscious behaviour.

A special focus should be placed on school buildings and offices, where it is not only a question of reducing consumption, but an important way of educating the public about rational energy use.

The project **partners** are three German municipalities (Oederan, Arnsdorf, Meerane) and their technical partner (GERTEC Ltd. engineering company), and three Swedish municipalities (Kalmar, Växjö, Varnamo), with Energikontor providing technical support. In Italy, the Province of Reggio Emilia is the project leader, and other participants are the Province of Parma and the Energy Board of Modena.



PROVINCIA
DI REGGIO EMILIA

ITALIA

- **Province of Reggio Emilia** project leader
- **Province of Parma**
- **Energy Agency of Modena**

GERMANY

- **Municipality of Oederan**
- **Municipality of Arnsdorf**
- **Municipality of Meerane**
- **GERTEC Ltd. Engineering company**

SWEDEN

- **Municipality of Kalmar**
- **Municipality of Växjö**
- **Municipality of Varnamo**

www.enableimpact.eu

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CONTROL THE CLIMATE AT SCHOOL SAVE ENERGY!

Cut costs and protect the environment.
Climate change is your call.



ENABLEIMPACT
Energy Audit of Buildings
in Local authorities
Improving Performance
through administrative ACTIONS

INFORMING AND EDUCATING THE PUBLIC ABOUT ENERGY CONSERVATION

Energy efficiency in public buildings depends both on the building engineering system and the **management and use** of the building itself. It is therefore essential to combine energy audits and improvements to the insulation and heating system **with measures aimed at educating the occupants about energy conservation**, in order to enhance better habits and help them understand the operation of the overall system. Building occupants can affect energy consumption (heating and electricity) through simple behavioural policies: an effective **information campaign** can help firmly establish an attitude of rational energy use.

WORKING IN THE SCHOOLS

Schools are the first place to focus on in working to spread awareness of important issues such as energy conservation. In this setting, the ENABLeIMPACT kit and its contents can be an excellent tool to help teachers raise the energy awareness of students and their families.

The communication campaign it proposes is based on identifying energy-conscious behaviour and improving rational energy use, and can be used at the beginning or end of a didactic programme.

The simplified audit procedure examines aspects of everyday life such as:
reading an electric bill;
breaking down and comparing consumption;
evaluating energy efficiency.

The theme of energy is also an excellent way to introduce technical subjects such as physics, heating technology, and heat transmission; energy sources, on the other hand, make it possible to examine the earth's chemical and physical processes (endogenous phenomena, atmospheric phenomena, etc.). The cross-disciplinary nature of energy thus makes it possible to investigate social, economic, political, and historical aspects, as well as environmental ones such as pollution, impoverishment of resources, and sustainability.

The ENABLeIMPACT project itself, a collaborative effort among several European nations, could serve as an opportunity for schools and students in different countries to exchange their experiences.

"COST-FREE MEASURES": YOU CAN DO YOUR PART TO HELP CUT DOWN CONSUMPTION!

Everyone can contribute to improving energy efficiency; all it takes are a few changes in daily habits... Would you like to prove it? Organize a communication campaign in your school, monitor consumption, and compare it with past years! It's easy, just download the material from www.enableimpact.eu or ask your local partner for the kit.

To start with, here are a few simple suggestions to help avoid wasting energy, reduce CO₂, and save money in many everyday situations.

Tackle heating: you can't argue with the thermostat, 20°C is considered an ideal temperature! And if it feels too hot, before you open the windows, try turning the temperature down a few degrees.

Did you know...? SETTING THE THERMOSTAT ONE DEGREE LOWER SAVES ON FUEL BY 8%

If the air feels stuffy: you can freshen it by opening the windows for a few minutes every two hours, but remember to close them again if you are leaving the room!

Did you know...? PROPER USE OF DOORS AND WINDOWS CAN SAVE UP TO 20% ON FUEL

To go upstairs: taking the stairs instead of the elevator will also help you stay healthy and fit!

Did you know...? EACH ELEVATOR RIDE RELEASES APPROXIMATELY 12 g OF CO₂ INTO THE ATMOSPHERE

What's with all the light? We often forget to turn off many unnecessary lights that consume energy; turn them off if you see that no one's using them or if there is sufficient natural light.

Did you know...? BY PAYING ATTENTION TO THE USE OF LIGHTING IN PUBLIC PLACES, WE CAN KEEP 91 kg OF CO₂ PER CAPITA FROM BEING RELEASED INTO THE ATMOSPHERE EVERY YEAR

When using the printer and computer: these appliances are heavy energy consumers, so turn them off whenever possible and limit their use.

Did you know...? EVERY HOUR, YOUR COMPUTER IS RESPONSIBLE FOR 255 g OF CO₂ BEING RELEASED INTO THE ATMOSPHERE

Hot water: cold water is a precious resource, but hot water is an even more valuable one! Reduce your use of it and adjust the temperature according to what you need it for.

Did you know...? BY WASHING YOUR HANDS WITH COLD WATER, YOU SAVE 100 g OF CO₂ A DAY

Don't waste paper! Producing paper requires energy and involves the emission of CO₂. Your contribution can be important: whenever possible, print on both the front and the back (to cut consumption in half), encourage differentiated waste collection and recycling, and try to correspond by email.

Did you know...? 1 kg OF WHITE PAPER REQUIRES THE EMISSION OF 1.7 kg OF CO₂; USING RECYCLED PAPER INSTEAD CUTS DOWN ON EMISSIONS BY 24%.

