50/50 PROJECTS
PROMOTING SUSTAINABLE USE OF ENERGY

Gemma Serch Quintana
Head of the Environment Department

Igualada City Council

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What's EURONET 50/50 max project

Euronet 50/50max is a European project to save energy in schools and public buildings financed by the European Union through the Intelligent Energy Europe (IEE) and led by Barcelona Provincial Council.

Public buildings have great potential for energy savings and 50/50 methodology is a good tool to involve all users and employees of public facilities in the responsible use of energy.

50/50 Project can be a great opportunity for municipalities signatories of the Covenant of Mayors to advance in the achievement of climate protection and the **reduction of CO_2 emissions.**

The project aims to encourage energy saving in 500 schools and 48 public buildings in 13 EU countries by applying the 50/50 methodology.

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What's EURONET 50/50 max project

50/50 is a **pact between local authorities and users** of public buildings and workers to implement energy saving measures in their everyday use and in management facilities.
The result of this saving is shared equally between the city and the own equipment.

With 50/50 everyone wins

Users of public buildings have an incentive to save energy and money for their activities, and to invest in improving their facilities; **public managers** reduce energy costs that have to cope; and **citizens** earn reducing CO_2 emissions emitted into the atmosphere.

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50/50 CONCEPT
SAVE ENERGY AND MONEY

The 50/50 concept is to involve users and managers of public buildings in saving activities energy by creating economic incentives. The building of public use and the council **reached an agreement:**

50% of the cost savings achieved through energy efficiency measures adopted by users of the equipment **is returned to the public facilities**.

50% of the cost savings is achieved **net savings for the local authority** pays energy bills.

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BENEFITS of applying the methodology 50/50
in public buildings

Improving energy culture
50/50 projects enable users and workers public buildings to make better use of the facilities and provides knowledge and tools to work in order to manage energy use responsibly and efficiently.

Show commitment to sustainability
Local authorities are committed to the promoting sustainability and leading projects that have to detect those actions involving wasting energy in public buildings.

BENEFITS applying the methodology 50/50
in public buildings

Inspire citizens to take action to energy efficiency
Through 50/50 managers of public buildings invite all citizens to rethink our relationship with areas and inspire them to undertake good practices energy management.

Joining the fight against climate change
The 50/50 methodology has great potential to increase the number of people motivated to participate in the combating climate change.
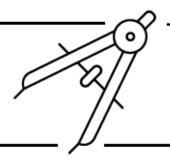
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HOW TO START AN ACTION 50/50
What is needed

Sign an agreement with the school or other public building.

Collect the energy bills of the building.

Create the energy team.

Encourage and facilitate the implementation of the 50/50 concept.

To help calculate the energy savings at the end of the year of implementation.

Return 50% of the savings achieved to the school.

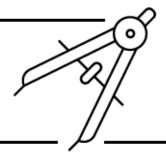And 50/50 publicizing the results.

MATERIALS AND EDUCATIONAL TOOLS
Measuring devices

Wattmeter

Measures instantaneous electricity consumption, both when it is working and when it is off but plugged in the electric power supply. It also can detect ghost consumption of devices when they are in stand-by.

Luximeter

To quantify the intensity of light that is in an area at a particular time.
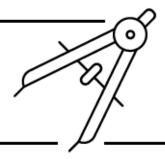
MATERIALS AND EDUCATIONAL TOOLS
Measuring devices

Thermometer

With these thermometers you know the temperature you have in different areas of your buildings and comparing them with the outside temperature.

Telemetry equipment energy consumption

These counters can measure instantaneous consumption and accumulate data until the computer is disconnected. The data can be downloaded in Excel and the curve to analyze energy consumption of a building in real time.
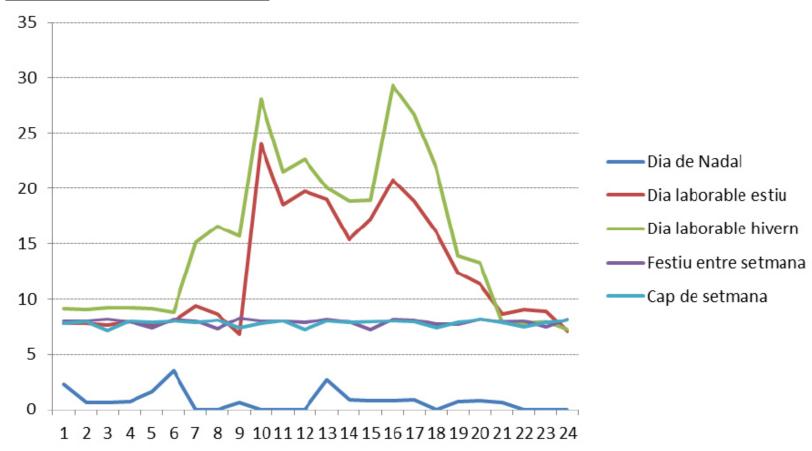
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Comparatiu del consum elèctric

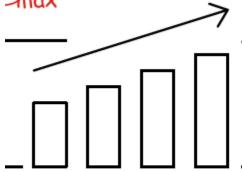**What is [Euronet](#)**
50/50max for you?

RESULTS obtained in public schools in IGUALADA

Estalvi energètic

A continuació hi ha un resum de l'estalvi aconseguit en relacionat amb la reducció de CO_2 i l'estalvi econòmic:

Any	Consum (el/en kWh)	Estalvi aconseguit (el/en kWh)	Estalvi aconseguit (el/en EUR)	Estalvi aconseguit (el/en %)	Estalvi aconseguit (el/en t CO_2)
2011	75 444				
2012	68 421				
2013	62 840				
2014	63 672	5 230	1 098.23	7.59	1.40
2015	64 253	4 649	976.22	6.75	1.24
Total		9 878	2 074.45		2.64
Mitjana		4 939	1 037.23	7.17	1.32

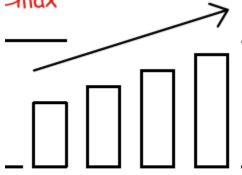Factor de conversió a t CO_2: 0.000267 t CO_2 / kWh

RESULTS obtained in public schools in IGUALADA

Estalvi en gas natural

A continuació hi ha un resum de l'estalvi aconseguit en relacionat amb la reducció de CO_2 i l'estalvi econòmic:

Any	Consum (el/en kWh)	Graus dia (ºC dia)	Consum per ºC dia (kWh / ºC dia)	Estalvi aconseguit (el/en kWh)	Estalvi aconseguit (el/en EUR)	Estalvi aconseguit (el/en %)	Estalvi aconseguit (el/en t CO_2)
2011	289 855	1 207	240.1				
2012	363 620	1 452	250.4				
2013	290 586	1 406	206.7				
2014	253 119	1 147	220.7	13 462	942.34	5.05	2.72
2015	261 551	1 283	203.9	36 639	2 198.31	12.29	7.40
			Total	50 101	3 140.65		10.12
			Mitjana	25 050	1 570.33	8.87	5.06

Factor de conversió a t CO_2: 0.000202 t CO_2 / kWh

http://euronet50-50max.eu/ca/what-s-new-in-the-project

Thank you for your attention

Gemma Serch Quintana
Head of the Environment Department
Igualada City Council

Tel. +34 938031950
serchg@aj-igualada.net

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