



Training Course:  
**INNOVATION SERVICE  
PROVISION**

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Energy Efficiency case studies

**FIESTA project**



**FIESTA**

FAMILY INTELLIGENT ENERGY  
SAVING TARGETED ACTION

***Families  
Intelligent  
Energy Saving  
Targeted  
Action***

***IEE/13/624/SI2.687934***

***FIESTA***



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# ***FIESTA project summary***

## **Main theme:**

Increasing heating and cooling energy efficiency of homes

## **Partnership:**

**5** Technical partners and **14** medium sized Municipalities in 5 EU countries (Bulgaria, Croatia, Cyprus, Italy and Spain)

## **Objective:**

Leading families with children to save energy at home by changing their habits and purchasing behaviour towards **domestic heating** and **cooling systems**.

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# ***FIESTA: the background***

Domestic heating and cooling account for **almost 2/3** of the average home's utility costs. Whereas **space heating** has always been a major source of energy consumption in households, the **cooling** demand is turning into a new challenge and in an increasing source of energy demand in some Southern European countries.

The main barriers to the improvement of energy efficiency performances in households are: **lack appropriate incentives** and of **adequate information**.

FIESTA approach assumes that an **appropriate frame of reference** needs to be created to enable families to get to **know their consumption pattern** (UNDERSTAND) and make them consider the convenience of **readapting their habits and attitudes** (THINK), in order to get **engaged in energy efficiency actions** (ACT) and enable energy savings in their households (SAVE).

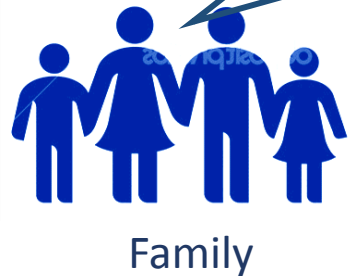
# ***FIESTA main steps***

1. Creation of **tools** for the Energy Help Desks (EHD)
- 2. Training** EHD advisors
3. Establishing **FIESTA Energy Help Desks** in each partner Municipality
4. Performing **door to door energy audit**
5. Organization of **FIESTA workshops** and **lotteries** to involve families
6. Creation of **Consumers Purchasing Groups**, to enhance investments
- 7. Replication of FIESTA model** in other European Local Authorities



*Hello, my name is  
Max Saving, I am the  
energy auditor for FIESTA  
in MyCity*

*We are Family, can you  
help us save energy? But  
please keep it simple!*



*My energy bill is too expensive!  
Can you suggest an energy supplier  
that offers cheaper tariff?*



Family

I can't give advice on suppliers, but I can

- Calculate the average price €/kWh
- Compare with similar families kWh/person
- Compare indicators kWh/m<sup>2</sup>
- Compare with public data from official sources e.g.

[http://www.autorita.energia.it/it/elettricità/stimaspesa\\_ele.htm](http://www.autorita.energia.it/it/elettricità/stimaspesa_ele.htm)



Max Saving



*I need to install a new boiler, could you suggest a reliable installer?*



Family

**NO!** I represent a public institution (MyCity) so I can not give advice on suppliers, but I can:

- Analyze needs
- Compare several technologies
- Compare the offers you have



Max Saving

# *How long does it take for the energy audit?*



Family

You should consider the following:

- 1 hour to collect the bills / information
- 1 hour for the visit at home
- 10 minutes to read the report
- Some hours to do what the report recommends
- 10 minutes to give us feedback
- more hours to take part in the lottery and purchase groups



Max Saving

- Do you have time for all this?

# *What will you do during the visits?*



Family

- Look at several details of the house, mainly the building, windows, boiler and main components of the heating system, appliances, lights...
- Talk to family members to understand their habits



Max Saving

# ***FIESTA: expected impact***

**28** FIESTA advisors trained

**14** FIESTA Energy Help Desk established

**2100** home energy audits performed

**Families' uptake of cost-effective measures, increase in investments to purchase highly energy efficient solar and heating equipment and systems and in RES production**

**€ 500.000**

expected cumulative investments in highly energy-efficient heating and cooling system made by households benefitting from door to door audits

**328 toe/year**


in energy saving (primary) in domestic energy, equivalent to 1,130 t CO<sub>2</sub> reduction of greenhouse gas emissions.

**134 toe/year**

of renewable energy source production



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