

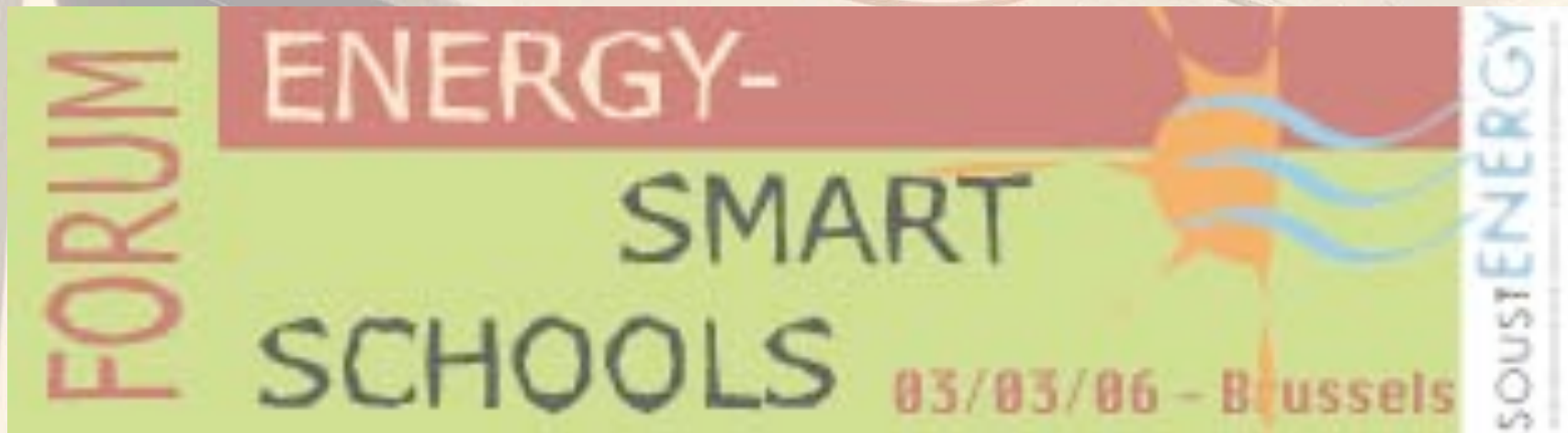
Susanna Ceccanti

By

Energy Agency of Livorno  
Province - Italy



“Energy-educational project  
and its learning tools”



# WHERE IS EALP OPERATING?





# WHO IS EALP?

- Created in 1998 in the framework of SAVE II programme

## Members:

- 1) Livorno Province
- 2) Rosignano Municipality
- 3) Livorno Municipality
- 4) Castagneto Carducci Municipality
- 5) Piombino Municipality

## MAIN TASKS

- Heating plants
- Energy diagnosis
- Support activities to local authorities (energy planning)
- Consultancy to enterprises and households
- Development of RES
- Information / communication
- Training courses
- Credited training agency - certification ISO 9001:2000
- Energy - environmental education



# WHO DO WE INVOLVE

- 1 ST step:  
Headmasters and teachers
- 2 ND step:  
Local Bodies: Municipalities  
(Environment and education branches)

# WHAT DO WE ASK FOR

- Letter of support
  - Commitment
  - .....Money
- 4 TH step:  
Action at school
- 3 RD step:  
Press (local newspapers, TV,  
national magazines) for  
projects kick off
- 5 TH step:  
Communication of results  
via Press - web site -  
newsletters

# INFORMATION, TRAINING, EDUCATION



ENERGY SAVING (RUE)  
RES DEVELOPMENT  
SUSTAINABLE MOBILITY



## Addressed to schools

- NURSERY SCHOOLS
  - PRIMARY
  - SECONDARY
- HIGH AND TECHNICAL SCHOOLS



## Addressed to job activities

- UPDATING AND TRAINING COURSES FOR WORKERS AND ENTREPRENEURS

## Addressed to citizens / enterprises

- SEMINARS
- WORKSHOPS
- NEWLETTERS
- EVENTS (FAIRS)
- PROJECT "100 FAMILIES & 1 SCHOOL"
- INTERNET WEB PAGES

[www.ealp.it](http://www.ealp.it)

[www.energysave.it](http://www.energysave.it)



# OUR CURRICULUM...



- Altener project 2002/2003  
- FEE (pilot project) P + S

- Local projects 2003/2004
  - 1) RIPENSARE P + S
  - 2) IN RETE PER L'AMBIENTE I P + S

- Local projects 2004/2005
  - 1) IL SOLE IN RETE P + S
  - 2) IN RETE PER L'AMBIENTE II P + S
  - 3) PROFUMI E COLORI .... P + S

- EIE project 2005/2006  
- FEEDU P + S



- Local projects 2005/2006
  - 1) IN RETE PER L'AMBIENTE III
  - 2) JONATHAN TECH
  - 3) ANIAMIAMO L'ENERGIA N + P
  - 4) ENERGY IN ROSIGNANO P
  - 5) IFTS (ENERGY MANAGER) TECH
  - 6) 100 FAMILIES & 1 SCHOOL<sup>6</sup> S

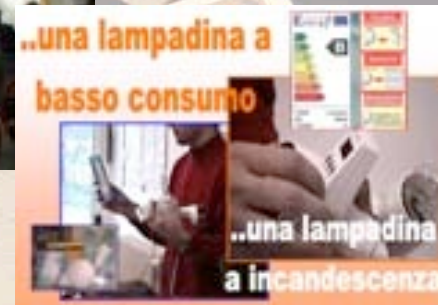
# METHODOLOGIES - 1

- Slides and videos



## ➤ Direct Actions by Ealp experts

- Theory and Technical interventions in class - Pre and Post assessment



- Study visits

- Energy laboratories

➤ **ALL ARE MULTIDISCIPLINARY ACTIVITIES**





# METHODOLOGIES - 2

## ➤ Indirect Actions

- Specific training for teachers and animators



- Meeting with parents and families



- Use of the specific portal [www.energysave.it](http://www.energysave.it)

Entra  
login  
  
Password  
  
ENTRA



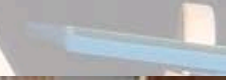
# METHODOLOGIES - 3

- Drawings and posters



## ➤ Pupils productions

- Final "Energy Day" with all posters and models created by them



- Poetries and theater plays



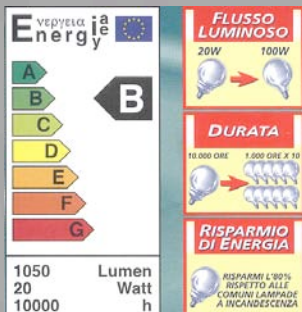
## ■ Video on eco-efficient behavior and use of RES

- PPT Presentations made by them and presented to parents and teachers



- Newspapers and leaflets distributed to the school and to parents

# RESULTS OBTAINED



## ➤ Awareness raising on energy consumption- (aware citizens)

- At home (energy audits)
- At school (energy tour)
- In transportation

- Involvement of Families
  - Exercises at home
  - Electricity meter reading
    - Energy labels
  - Interview to grandparents
    - Questionnaires



## ➤ WHICH RESULTS HAVE WE OBTAINED??

### ➤ Saving

- Of energy in Kwh
- Of money in Euros
- Of avoided Co2 in Kgs



### ➤ Children have fun and are protagonist



# THANKS TO A CORRECT BEHAVIOUR.... BECOMING ATTITUDE...

- A family can save up till

12 Kwh

per week

(18% of all electric energy  
consumption)

➤  $12 \times 52 \text{ weeks} =$   
624 kWh saved in  
one year

➤ That is about 113 Euro  
in one year

➤ Equal to about 350 Kgs  
of Co2 avoided in the  
atmosphere per family

➤ HOW MANY CHILDREN  
IN ONE CLASS  
INVOLVED IN SUCH A  
PROJECT??

THANKS FOR YOUR  
ATTENTION...  
AND HAVE FUN WITH THE  
VIDEO MADE BY PUPILS..



FOR ANY INFORMATION

Susanna Ceccanti

Via A. Pieroni, 27 - Livorno  
Tel. 0586/200007  
Fax 0586/203847  
Cell. 349/4977674

E-mail: [formazione@ealp.it](mailto:formazione@ealp.it)  
[info@ealp.it](mailto:info@ealp.it)  
[feedu@ealp.it](mailto:feedu@ealp.it)

Web site: [www.ealp.it](http://www.ealp.it)  
[www.energysave.it](http://www.energysave.it)