

TRACE Final Conference:

«Improvement of buildings energy performance and efficiency – Sustainable Communities in South East Europe»

September 25°th 2014

GOOD PRACTICES ON INFORMATION CAMPAIGNS FOR IMPROVING THE ENERGY EFFICIENCY OF BUILDINGS

SET UP THE ENERGY INVESTMENT FORUM

Eng. Pierluigi Fecondo, Ph. D. Province of Mantova





SET UP THE ENERGY INVESTMENT FORUM

Sub activity 5.2.2- Set up the network of Energy Investment Forums

Objectives. The aim of the EIF is to identify and prioritize energy efficiency investments in each territory. In addition, the EIF will try to initiate leverage of public and private sector sources of finance to realise these investments.

Target: 5 EIFs: Piraeus (Greece), Gabrovo (Bulgaria), Mantova and Perugia (Italy), Zagreb – (Croatia).





- Designing EIF according to the **"desiderata"** of the local partners, so to build a coherent set of EIFs mirroring the real needs of the five localities
- **Guidelines** on "How to organize and set up a Local Energy Investment Forum" delivered via email to all partners involved.
- Guidelines on "EIFs network implementation"
- Set up the local EIF in Mantua (May 2014), promoting its activity online via dedicated pages on the Province of Mantua website and on the AGIRE website, it also deployed the Facebook® account of the TRACE project and created a specific LinkedIn® page).
- Analysis of SEAPs of 6 Municipalities in the territory of the Province of Mantua. The aim of the analysis was to identify potential investment and concrete interventions for the EE in buildings own by specific municipalities.





The Province of Mantua put a lot of effort in designing EIF according to the "desiderata" of the local partners, so to build a coherent set of EIFs mirroring the real needs of the five localities while also able to closely cooperate in the network.

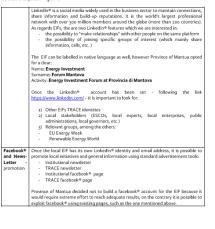
Sub-activity 5.2.2	Energy agencies
Questionnaire to design the EIF - Energy Investment Forum	Please mentioned them:
1) What does your institution expect setting up its own local EIF?	N Investors Please mentioned them: BAWCHE & FOND 4210 M
No changes in the local context	
 Increase administrative burden with no return Increase the local stakeholders' involvement 	Energy service companies (ESCOs), Please mentioned them:
 Increase political visibility for the local government 	
S Create a sustainable investment leverage	Final users
Other	Please mentioned them:
Aumentare gli oneri amministrativi senza ritorno, aumentare il coinvolgimento degli attori locali, Aumentare la visibilità politica per il governo locale. Creare una leva investimento sostenibile	
· SEMPLELA HONE BUDGEMILLA PER CITANING • TRASEERUNEMOS KA, HOW IM LE LUMROSE	Local Civil Society organisations
\$ 43515TENZA PER AGE WILLING FRANK	PLACE ON AND INFORMATION CODED NT VE, CONFARCE
	DLocal enterprises working in the energy saving field
	Please mentioned them:
2) What are the objectives your institution wants to achieve setting up its own local EIF?	
X Increase the number of energy efficiency investments	Local enterprises interested in investing in CSR (Corporate Social Responsibility)?
Advertise local activities	Please mentioned them:
Develop a permanent stakeholder involvement on energy efficiency Place a political landmark	
Reach local stakeholders	Other DD Duty DD
Reach national stakeholders	Please mentioned them: DR. RIM PROFESSIDWALL
Reach international stakeholders	
Other	4) What are the needs of the EIF your institution foreseen?
Aumentare il numero di investimenti in efficienza energetica, Pubblicità attività locali, Sviluppare	
un coinvolgimento delle parti interessate permanente sull'efficienza energetica, Inserire un punto di riferimento politico ,Raggiungere gli attori locali. Raggiungere attori nazionali	Physical accessibility
Raggiungere attori internazionali	Dedicated premises (offices)
	Dedicated staff (employees)
	Dedicated resources (other)
	Show A CALLCO VELLE Y.A.
	Vide advertise media-campaign
3) What are the stakeholders your organisation would like to cooperate with?	Reach an international audience
	The Involve local stakeholders
Here public automices CO. N.V.N.E PROVINCIA - M.G.O.N.E.	Involve national stakeholders





- **Guidelines** on "How to organize and set up a Local Energy Investment Forum" delivered via email to all partners involved.
- Guidelines on "EIFs network implementation"





TRACE



The evaluation of the actions carried out under the EIFs will be based on the following:

Qualitative and quar	Qualitative and quantitative description of the outputs and results in EIFs implementation							
Description of activity	Туре	Measurement unit Target value		Achieved value	Period of delivery			
Number of incoming mails	output	No of visits/month	To be set by partner	Yes/No	Jun – Oct 2014			
Number of outgoing mails	output	No of visits/month	To be set by partner	Yes/No	Jun – Oct 2014			
Number of LinkedIn contacts	output	No of visits/month	To be set by partner	Yes / No	Jun – Oct 2014			
Number of LinkedIn posts	output	No of visits/month	To be set by partner	Yes/No	Jun – Oct 2014			

Monitoring and reporting

As mentioned in the document "Sub-activity 5.1.2 Guideline to set up an EIP it is necessary to make as effective as possible the action of the Energy Investment Forum and reduce the risks of failure caused by the reduced time available for implementation with respect to the initial time schedule. For this reasons its will be important to perform constant and progressive mendionizing and werficialism of the result of the energy investment of the period of delowy. Therefore, at the end of each month has attaining from 20th into acong each particular will see the VLC.

Therefore, at the end of each month and starting from 30^o June 2014, each partner will send to WU, as leader of the sub-activity, 2.2., a brief summary report in the table above, recording the achieved values with respect to the previously defined performance indicators.

The analysis of data obtained from monthly reports (4 in total) will enable WU to check the progress in implementation of the 5 Elfs, sharing with the project partners their effectiveness and , where appropriate or necessary, proposals will be evaluated and alternative actions or improvements, to be agreed with partners, could be suggested. Additionally, the report will be shared with all partners in order to facilitate the exchange of experiences and Anowledge of best practices.





Set up the local EIF in Mantua (May 2014)

- Website (www.agirenet.it)
- Linkedin (Energy Investment Forun Mantova)
- Dedicated email (<u>eif.mantova@gmail.com</u>)
- Dedicated phone line (virtual office)
- Focus groups
- Match making









Covenant of Mayors

EIFs: THE EXPERIENCE FROM THE PROVINCE OF MANTUA

Analysis of SEAPs of 6 Municipalities in the territory of the Province of Mantua. The aim of the analysis was to identify potential investment and concrete interventions for the EE in buildings own by specific municipalities.



Municipality of Asola

EE refurbishment of public buildings

- -Sede Municipale
- -Scuola primaria Asola
- -Scuola primaria Castelnuovo
- -Scuola materna Castelnuovo
- -Palestra Castelnuovo
- -Biblioteca
- -Scuola media
- -Scuola materna, centro sportivo Schiantarelli

EE in public lighiting

– 1627 light points











- 1) Comune di San Giorgio di Mantova +
- 2) Comune di Virgilio +
- 3) Comune di Piubega +
- 4) Comune di Poggio Rusco
- 5) Comune di Asola
- 6) Comune di Carbonara Po

EE refurbishment of public buildings

EE in public lighiting

Overall estimated investment







3.594.000,00

╋

+

- HORIZON 2020
- ELENA
 PDA (Project Development Assistance)
- Smart Cities and Communities
- European Energy Efficency fund (EEEF)

Different available opportunities are to be evaluated according to

Goals

di mantova

- Dimension (number of buildings, territorial extension, estimated investments
- Partners involved (PPP)

SET UP ENERGY INVESTMENT FORUM AND GOOD PRACTICES ON INFORMATION CAMPAIGNS FOR IMPROVING THE ENERGY EFFICIENCY OF BUILDINGS





European





EIF in meetings, third party events and traning sessions









Monitoring and Reporting

	T		Target value	Monitoring	Target value	Monitoring	Target value	Monitoring	Target value	Monitoring	Target value	Monitoring
Description of activity	Туре	Measurement unit	GABROVO	Gabrobo 1/9	MANTUA	Mantua 1/9	PERUGIA	Perugia 1/9	PIRAEUS	Piraeus 1/9	ZAGREB	Zagreb 1/9
	result	No of meetings set up	To be set by		3	2	To be set by		To be set by		To be set by	To be set b
	resole	no on meetings see op	partner		,	-	partner		partner		partner	partner
deetings with public	output	No of public	To be set by		5	12	To be set by		To be set by		To be set by	To be set b
adminsitrations and	ootpot	administations involved	partner		5		partner		partner		partner	partner
orivate stakeholders	output	No of private stakeholder	To be set by		3	1	To be set by		To be set by		To be set by	To be set b
	σστροτ	involved	partner		3	1	partner		partner		partner	partner
	output	No of overall participants	To be set by		20	37	To be set by		To be set by		To be set by	To be set b
			partner			57	partner		partner		partner	partner
	result	No of overall hours	To be set by		40	120	To be set by		To be set by		To be set by	To be set l
		opening No of overall users	partner				partner		partner		partner	partner
	result		To be set by		n.a.		To be set by		To be set by		To be set by	To be set
Physical /virtual office		engaged or contacted No of visits received by	partner To be set by				partner To be set by		partner To be set by		partner To be set by	partner To be set b
nformation and support	output users	,	partner		n.a.		partner		partner		partner	partner
mormation and support			To be set by				To be set by		To be set by		To be set by	To be set
out	output	output No of contacts by email	partner		5	37	partner		partner		partner	partner
			To be set by	l		1	To be set by		To be set by		To be set by	To be set
	output	No of contacts by phone	partner		15		partner		partner		partner	partner
							1				1	ľ
visits of the partner	output	output No of visits/month	To be set by		20		To be set by		To be set by		To be set by	To be set
website	ootpot		partner		20		partner		partner		partner	partner
	L		T 1 11				T 1 11		T 1 11		T 1 11	T 1 11
	output	No of Media appaerances	To be set by		2		To be set by		To be set by		To be set by	To be set b
Communication and	<u> </u>	No of poster or brochure	partner To be set by				partner To be set by		partner To be set by		partner To be set by	partner To be set b
nformation activities	output	broadcasted	partner		5	10	· ·		partner		· ·	partner
supporting EIFs awarness	<u> </u>	No of "like" on Facebook	To be set by				partner To be set by		To be set by		partner To be set by	To be set b
n public administration	output	EIF profile	partner		n.a.		partner		partner		partner	partner
and private stakeholders		No of "connections " on	To be set by				To be set by		To be set by		To be set by	To be set t
	output	Linkedin EIF profile	partner		50	33	partner		partner		partner	partner
		No of investment	To be set by				To be set by		To be set by		To be set by	To be set l
	result	opportunities identified	partner		1		partner		partner		partner	partner
Effectiveness of Energy	outout	No of declarations of	To be set by			1	To be set by		To be set by		To be set by	To be set
nvestment Forum in	output	interest in activating PPP	partner		1		partner		partner		partner	partner
dentify, priorize and		Overall estimated amount	To be set by									
activate investments in	output	of the investmnet	'		n.a.		1		1		1	
ouilding energy efficiency		identified (€) through EIFs	partner									
	output	No of PPP investments	To be set by		1		To be set by		To be set by		To be set by	To be set
	output	activated through the EIFs	partner	1	1 ¹	1	partner		partner		partner	partner

provincia di mantova



Monitoring and Reporting

orovincia di mantova

Description of activity	Туре	Measurement unit	Target value MANTUA	Monitoring Mantua 1/9
	result	No of meetings set up	3	2
Meetings with public adminsitrations and	output	No of public administations involved	5	12
private stakeholders	output	No of private stakeholder involved	3	1
	output	No of overall participants	20	37
	result	No of overall hours opening	40	120
	result	No of overall users engaged or contacted	n.a.	
Physical /virtual office information and support	output	No of visits received by users	n.a.	
	output	No of contacts by email	5	37
	output	No of contacts by phone	15	
Visits of the partner website	output	No of visits/month	20	

Visits of the partner website	output	No of visits/month	20	
Communication and	output	No of Media appaerances	2	
information activities supporting EIFs awarness	output	No of poster or brochure broadcasted	5	10
in public administration and private stakeholders	output	No of "like" on Facebook EIF profile	n.a.	
and private stakeholders	output	No of "connections " on Linkedin EIF profile	50	33
	result	No of investment opportunities identified	1	
Effectiveness of Energy Investment Forum in	output	No of declarations of interest in activating PPP	1	
identify, priorize and activate investments in building energy efficiency	output	Overall estimated amount of the investmnet identified (€) through EIFs	n.a.	
	output	No of PPP investments activated through the EIFs	1	





WP	3	Transfer of know-how among territorial administrations in				
Activity	3.2	Collection and analysis of good practice				
Sub Activity No.	3.2.2	Collection of good practices on information campaigns for improving the energy efficiency of buildings				
Sub Activity Goal		The goal of this sub-activity is the collection of good practices on the conception, implementation and monitoring of information campaigns for improving the energy efficiency in buildings. Indicative areas of investigation include the following: identification of topics and communication needs, adoption of creative/communication approaches, concepts and tools, selection of appropriate target groups, strategic approach and ways to demonstrate benefits, selection and use of cross presence in various media, basic information and initial advice to private households, public authorities and companies.				
WP Leader		Perugia				
Activity Leader		Zagreb				
Sub Activity Leader		Mantova				





GOOD PRACTICES ON INFORMATION CAMPAIGNS FOR IMPROVING THE ENERGY EFFICIENCY OF BUILDINGS

SUMMARY

- THE ROLE OF COMMUNICATION CAMPAIGNS AMONG THE POLICY INSTRUMENTS
- METHODOLOGY OF COLLECTION PROCESS
- TARGET GROUPS
- SUBJECT IMPLEMENTED
- MEDIA AND TOOLS USED IN INFORMATION CAMPAIGNS





THE ROLE OF COMMUNICATION CAMPAIGNS

- increasing the effectiveness and long-term impact of most other regulatory and control instruments through the promotion of long-term behavioral changes
- communicating with individual citizens is seen as a relevant means of improving residential sector energy efficiency
- "behavioral wedge" can reduce emissions much more quickly than other kinds of changes and deser ves explicit con- sideration as part of climate

policy









THE ROLE OF COMMUNICATION CAMPAIGNS

CAMPAIGNS SUPPORTED ACTIONS						
Raising awareness of citizens about Energy Efficiency and Renewable Energies	Providing information and dissemination of good practices, tecnhnologies and services	Providing support and consultancy on EE and RE to stakeholders	Promoting public – private partnerships with private companies			

Energy efficiency campaigns aim at **changing habitual energy behaviour or investment behaviour** of individuals or organisations.





METHODOLOGY OF COLLECTION PROCESS

The general approach is based on a **list of issues relevant to policies** of communication package supporting the implementation of energy efficiency measures.

The collection has been carried out through a **standardized questionnaire**, delivered to partners via **email**



47 GOOD PRACTICES COLLECTED





METHODOLOGY OF COLLECTION PROCESS

TARGET GROUPS

MAIN DATA

di mantova

SHORT DESCRIPTION

WEBSITE REFERENCE



ing the way to energy-effici

Leading the way to energy-efficient buildings, the ENFORCE (EUROPEAN NETWORK FOR THE ENERGY PERFORMANCE CERTIFICATION OF BUILDINGS) project aids the diffusion of energy certification (Energy Performance of Buildings Directive 2002/grJEC).

ENFORCE includes 7 partners from Italy, Portugal, Spain, Slovenia and Greece working closely with the relevant stakeholders at national and European level.

European in scope and nature, it aims to give final consumers independent, qualified, information and assistance on energy certification of their buildings, allowing them to make informed decisions. It tackles obstacles to intelligent patterns of energy use by:

carrying out 6 national studies on the steps and experience in introducing new legislation, plus a European comparative study on replicable best-practice;

creating a trans-national network of trained energy auditors -operating under a common code of conductto assist final consumers on energy performance related topics;

operating a call-center for consumers as a first contact point, providing the requested information and access to the network of auditors;

launching an information campaign to promote the call-center and network services, thus qualify the market.

The Enforce website is the main tool of communication for citizens, helping them to improve energy efficiency in their houses, save energy and protect the environment. The website is divided in specific sections for each Partner State (Italy, Spain, Portugal, Greece and Slovenia), plus a common section in english.

Website

http://www.enforce-een.eu/ita/



METHODOLOGY OF COLLECTION PROCESS

	CAMPAI	GN TARGET	GROUPS		SUBJECT IMPLEMENTING				
Ref.	Public Administration	Households	Companies	Supporting public authorities for energy efficiency projects	Raising awareness for energy efficiency and renewable energy	Information on energy efficiency and renewable energies	Information and support energy on efficiency and renewable energies	Information on energy efficiency and financing opportunities	
AL-01			~			~			
AL-02								~	
AL-03								~	
AL-04	\$							~	
AL-05	\$		*			~			
AT-01	>				>				
AT-02									
AT-03				*					
AT-04		~					~		
AT-o5			*				*		
BA-01		~		~					
BG-01						*			
BG-02		~				~			
HR-01	>					~			
HR-02	>					~			
HR-03	>					~			
HR-04	>				~				
HR-05		~				~			
HR-o6	>					~			
HR-07		*				~			
GR-01		~				~			
GR-02		*	*			~			

provincia di mantova

	CAMPAI	GN TARGET	GROUPS		SUBJE	CT IMPLEME	NTING	
Ref.	Public Administration	Households	Companies	Supporting public authorities for energy efficiency projects	Raising awareness for energy efficiency and renewable energy	Information on energy efficiency and renewable energies	Information and support energy on efficiency and renewable energies	Information on energy efficiency and financing opportunities
IT-01								
IT-02								
IT-03								
IT-04								
IT-05								
IT-06								
IT-07								
IT-o8								
IT-09				*				
IT-10								
IT-11								
RO-01								
RO-02								
RO-03								
RO-04								
RO-05								
RO-06								
SI-01	~	~						
SI -02								
SI -03				~				
SI -04								
SI -05								
SI -06				~				
SI -07								
SI -08								





EX – POST EVALUATION ISSUES

CAMPAIGNS PROMOTERS

Public bodies

national or local communication campaigns aimed at transferring knowledge to stakeholders about the progress and results of the activities carried out on a larger scale

Private stakeholders

provide information to a specific category of user for whom are interested to influence or address decisions.

Public-private partnerships

Win-to-win marketing strategy: private award more credibility towards potential custmers, public has economic resources

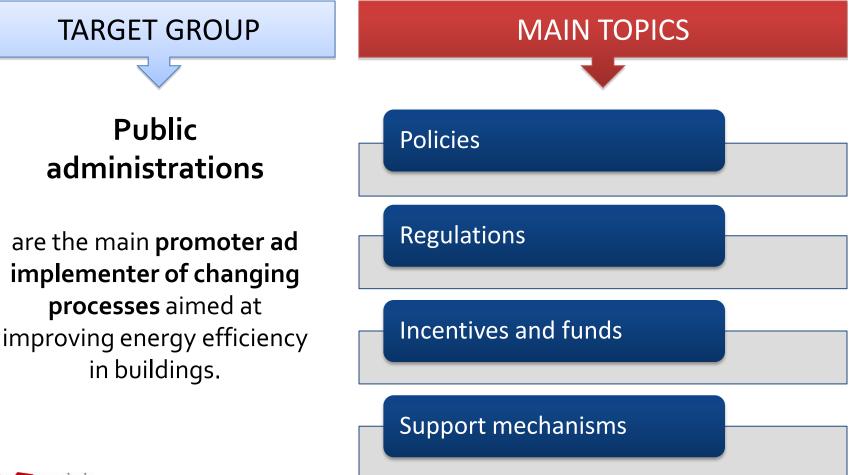


provincia

CAMPAIGNS TARGET GROUPS					
Public Administration	Households	Companies			

Target segmentation is an important pre-requisite for establishing programme goals and analysing the determinants of human behaviour.



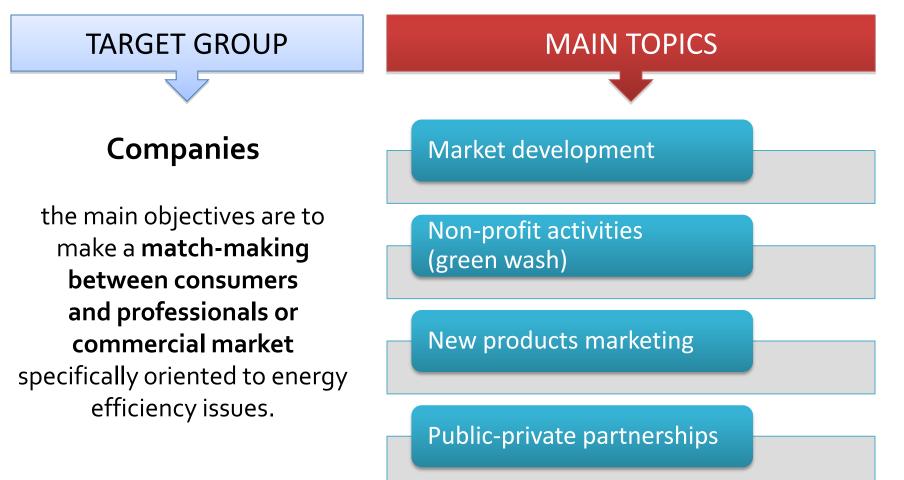






TARGET GROUP **MAIN TOPICS** Households Raising awarness on technology issues information campaigns addressed to households **Energy saving and RE** aim to altering the adoption and use of available technologies in **Equipment maintenance** households by means of behaviorally oriented policies and interventions Daily use behaviors







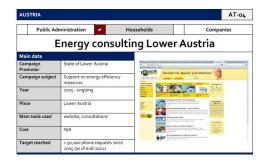


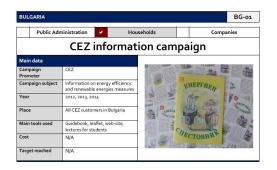
CAMPAIGNS TARGET GROUPS							
Public Administration	Households	Companies					

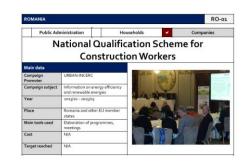
ALBANIA					AL-05
 Public Adn 	ninistration	Ho	useholds	*	Companies
Infor	mation	Centre	for Ene	rgy Ef	ficiency
Main data					
Campaign Promoter	Municipality of Ti The National Age Resources				
Campaign subject	Information on er and renewable er		-	1	-
Year	2014 – present			CONCRATING CRATCENA	seet 14
Place	Tirana		A	IN DIGENERAL INTE	
Main tools used	Education & infor working group & information days, campaigns	open	H		ter alter -
Cost	N/A			Address of the owner of the owner of the owner of the owner owner owner owner owner owner owner owner owner own	
Target reached	Households, Public Utility employees, I Companies etc.				

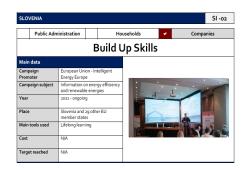


provincia di mantova











SUBJECT IMPLEMENTED

SUBJECT IMPLEMENTED								
Supporting public authorities for energy efficiency projects	Raising awareness for energy efficiency and renewable energy	Information on energy efficiency and renewable energies	Information and support energy on efficiency and renewable energies	Information on energy efficiency and financing opportunities				





SUBJECT IMPLEMENTED

Supporting public authorities for EE projects

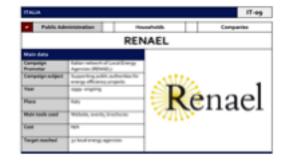
Formation of collaborative networks

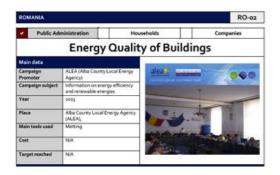
between public authorities and energy agencies for the exchange of good practice and the implementation of joint projects

Staff training and information

rovincia

in order to increase the technical capabilities about specific issues of energy efficiency and tools









SUBJECT IMPLEMENTED Raising awareness for EE and RES

orovincia di mantova

Providing general information and searching for involvment

in order to increase awareness of citizens on EE and RE use in buildings







SUBJECT IMPLEMENTED Information on EE and RES

provincia

Providing general specific information on energy saving issues

in order to made behavioural changes into target groups or inform about regulations

BULGARIA			BG-02	GREECE					
Public Administration V Households Co		Companies	Public Ad	Iministration	Households	seholds Companies			
Gre Main data	en measures fo	or Bulgari	an homes		nal Informatio gy Efficiency			-	
Campaign	Ministry of Regional Development			Main data	51 1	Tanuemilimait special o kai kinnoo			
Promoter		5 11 -		Campaign	Ministry for Environme	searchest folgage -EDRONDARD IST OKDA	NUMPER AND A	Party of the second sec	
Campaign subject	Information on energy efficiency and renewable energies measures			Promoter Subject	Energy and Climate Change Information on energy efficie	Mparty, Trafford, rought or importe does with several			
Year	2013			implementing Year	and renewable energies	2. Engenerated anothilipate type semplare test important. The number rate endowments plane to departed and restored another type and the semplate installance per number registration on application and pages installance.		AL	
Place	36 cities in Bulgaria			Place	Greece	herh Tapani na Ostantaren Tajaan na Iraini min ar isi hankanto mortsynang 1985/00-dr ya 1962/2014/2017/2017 drai a lagunatara organ na cynarthere organiza patro organizati na cynarthere organiza patro organizati ladinasi			
Main tools used	Information campaigns, consultations, leaves			Main tools used	Information brochure			*	
Cost	N/A			Cost	N/A			Εξοικονόμηση Ενέργειος	
Target reached	36 information campaigns	-		Target reached	22 neighborhoods or households	150		Ενεργειακή Απόδοση Κτηρίων	





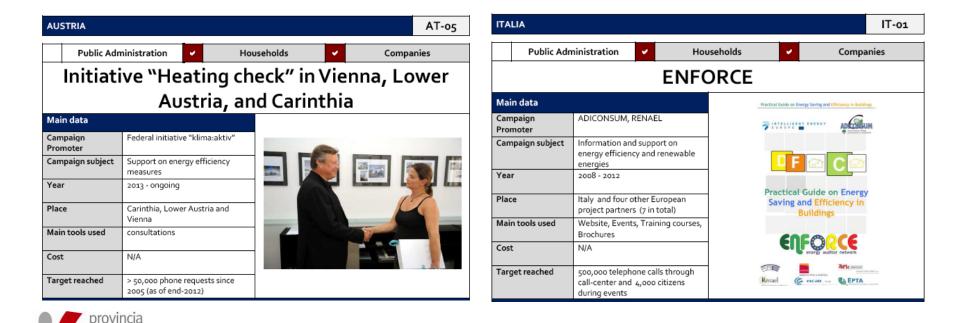
SUBJECT IMPLEMENTED

di mantova

Information and support energy on EE and RES

Providing information and support facilities

in order to help target groups to put into actions good practices and behavioural changes



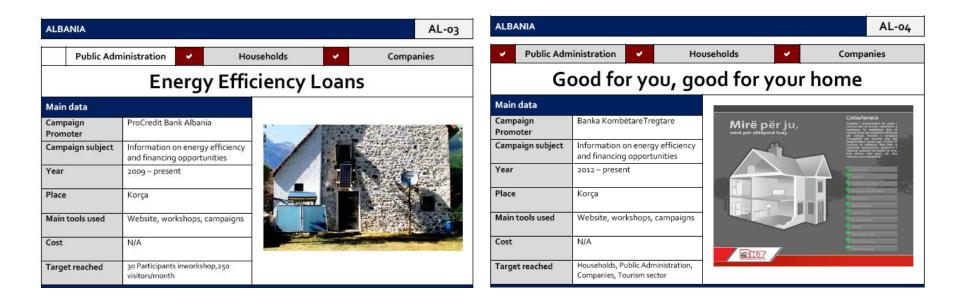




SUBJECT IMPLEMENTED Information on EE and financing opportunities

Providing specific information on funding and financial opportunities

in order to move small or great investments for EE and RE measures





provincia mantova



MEDIA AND COMMUNICATION TOOLS

Direct media and tools

- Meetings
- Conferences and workshops
- Exhibitions
- On-site consultation and info points
- Guided study visits

Indirect media and tools

- Website
- On-line tools
- Social media
- Brochures
- Press advertising







NOT FULLY EXPLORED SOCIAL MEDIA POSSIBILITIES





CONCLUSIONS

Information campaigns has some important features to be considered as "good practices" (once are clearly set goals, target groups, budget):

High Replicability Potential in terms of methodolog and tools
Possibility to transfer know-how in other contexts and countries
Effetctiveness (benchmarks and follow-up are needed)

BOTTLENECK

- Monitoring and results (effectiveness)
- Targets achieved (quantitive values)
- Cost-benefits analysis (poor information about costs)
- Social media potential not fully explored



TRACE Final Conference «Improvement of buildings energy performance and efficiency – Sustainable Communities in South East Europe»



WHEN DOES A "GOOD PRACTICE" BECOMES A "BEST PRACTICE"?





WHEN DOES A "GOOD PRACTICE" BECOMES A "BEST PRACTICE"?

FINALLY, A POSSIBLE ANSWER IS...

A best communication practice can be probably considered the one among the others, that reached **more end users with the same or lower budget, or engaged more interested contacts**, or stimulated more **investments and interventions** in EE and RES. The challenge is to optimize economic and human efforts in order to obtain **"more with less**" also in communication and information activities.





THANK YOU FOR ATTENTION!

pierluigi.fecondo@centroabita.it

