



LIFE 15 IPE IT 013

With the contribution
of the LIFE Programme
of the European Union



PRIVATE BUILDING ENERGY RENOVATION: RESTARTING FROM CONDOMINIUMS

Report 2019





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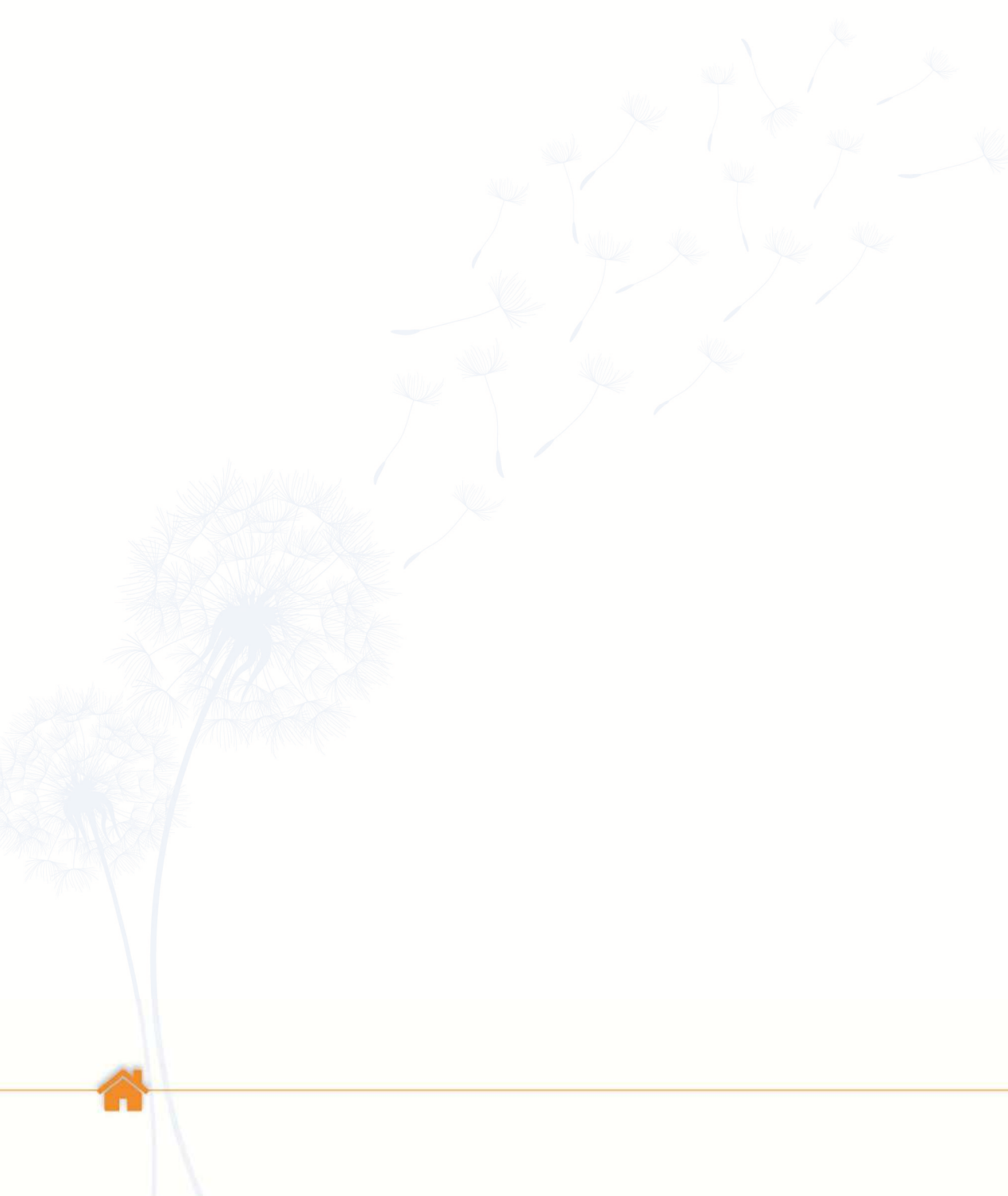
This document has been realized within the PREPAIR project (LIFE 15 IPE IT013) financed by the LIFE program of the European Union. In particular, this document reports the results of the project action C16: "NEAR ZERO ENERGY BUILDINGS".

Closing date: August 2019.

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Chapter 1. Comparison between activities foreseen and activities done	1
Chapter 2. Description of courses done	2
2.1 Participants details.....	2
2.2 Adaptations to the format	2
2.3 Working group presentations.....	2
2.4 Pictures of the courses.....	4
2.5 Comments by participants.....	5
Chapter 3. Problems observed and solutions proposed	6
IL PROGETTO PREPAIR	7



Chapter 1. Comparison between activities foreseen and activities done

As specified in Amendment requests, it was decided to abrogate the fixed number of participants for each category for guaranteeing an adequate proportion in the working groups. The total number of people participating at each edition remains the same.

Likewise, it was decided to cancel the number of editions for each year, maintaining the total number of courses during the project implementation.

Table 1 and Table 2 report the changes contained in the Amendment Request and the edition done or planned for each partner.

Table 1 - Foreseen courses for each partner

	2018	2019	2020	2021
Application Form	1	1	1	1
Application Form + Amendment Requests	4			

Table 2 - Courses done/planned

	2018 (done)	2019 (done)	2020 (planned)	2021 (planned)
Piedmont Region	0	0	2	2
Autonomous Province of Trento	1	2	1	0
Emilia Romagna-Region	0	0	4	0
Friuli-Venezia Giulia Region	0	0	2	2
Veneto Region	0	0	2	2

Observation:

- Friuli has committed the teaching of the courses. The first edition will start by the end of the year.
- The other region are working on the different calls.



Chapter 2. Description of courses done

2.1 Participants details

Table 3 reports the details of the participants that attended the three edition done.

Table 3 – Participants registered for each edition held in Trento

	1st edition	2nd edition	3rd edition
Number of registered people	50	24	25
Number of promoted participants	45	19	22

Observation: the free participation presents the advantage to encourage the participation of all the categories involved, but the disadvantage of losing some of the participants during the course, since they don't need to invest money to attend the course.

2.2 Adaptations to the format

As agreed by the partners, the format can be adapted to the regional features and to the necessity of the categories involved.

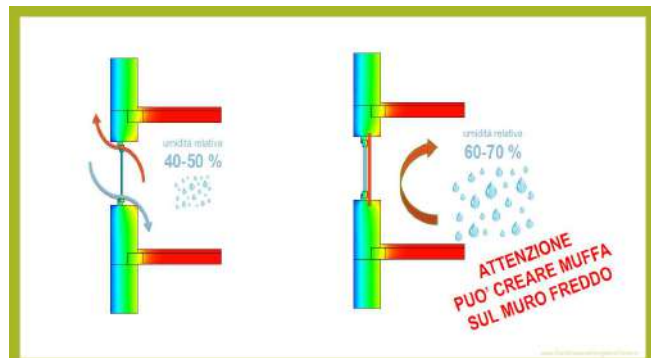
In the three editions held in Trento a module related to the provincial incentives was added.

In the second and third editions held in Trento also a module related to the conflict resolution was added, welcoming the observations gathered by the participants of the first edition.

2.3 Working group presentations

Figures below reported some slides of the presentations elaborated during the working groups.

Participants focused not only on the technical advantages, but also economical ones, well-being aspects, communicational strategies.





QUESTIONARIO

CONDOMINIO BARBACOVÌ

PROGETTO DI RIQUALIFICAZIONE ENERGETICA E DI RISANAMENTO DELL'EDIFICIO

Come comunicato nell'ultima assemblea, Le chiedo gentilmente di compilare questo breve questionario che aiuterà il condominio a capire quali sono le Sue aspettative circa gli interventi di riqualificazione energetica e di risanamento dell'edificio.

Le informazioni raccolte non saranno divulgate e saranno rielaborate dal sottoscritto al fine di trovare le migliori soluzioni per il bene del condominio.

QUESTIONARIO DI INDAGINE

- Il progetto di riqualificazione energetica dell'edificio è:
 - Positivo 1 2 3 4 5 negativo (1= molto positivo; 5 = molto negativo)
 - Utile 1 2 3 4 5 inutile (1= molto utile; 5 = molto inutile)
- Il progetto di risanamento dell'edificio è:
 - Positivo 1 2 3 4 5 negativo (1= molto positivo; 5 = molto negativo)
 - Utile 1 2 3 4 5 inutile (1= molto utile; 5 = molto inutile)



2.4 Pictures of the courses

Figures below reported some pictures taken during the lessons and the working groups.



UNA GRANDE OPPORTUNITÀ DI ALTA FORMAZIONE
CORSO INTERDISCIPLINARE

“Riquilificazione ambientale dell'edilizia privata: ripartire dai condomini”

18.01.2018-19.04.2018

DESTINATARI: architetti, geometri, ingegneri, periti, artigiani, imprese artigiane e addetti imprese non artigiane, amministratori di condominio, ESCO (Energy Service Company), commercialisti, consiglieri e/o responsabili formazione professionale continua degli ordini professionali delle categorie sopra riportate, rappresentanti Confindustria, rappresentanti ANICE, rappresentanti istituti bancari

ISCRIZIONE: dal 13.12.2017 al 15.12.2017

QUOTE DI ISCRIZIONE: interamente coperte da borse di studio poste a disposizione dalla P.A.T.

POSTI LIMITATI: per le CATEGORIE sopra citate, soggetti a REQUISITI DI ACCESSO e GRADUATORIA

CONTENUTI, PROGRAMMA, DOCENTI: vedi progetto didattico allegato

Al termine tutti i partecipanti verranno integrati nella rete interdisciplinare sulla riqualificazione ambientale del condomini promossa dal Progetto LIFE IP PREPAIR e dal Tavolo Condomini

Logos of participating organizations: Regione Emilia Romagna, Regione Lombardia, Regione Piemonte, Regione Veneto, ARPAe, ARPA, ARPA FVG, ARPA Veneto, ARPA Friuli Venezia Giulia, ARPA Liguria, ARPA Toscana, ARPA Umbria, ARPA Marche, ARPA Lazio, ARPA Campania, ARPA Puglia, ARPA Basilicata, ARPA Calabria, ARPA Sicilia, ARPA Sardegna, ARPA Valle d'Aosta, ARPA Trentino-Alto Adige, ARPA Friuli Venezia Giulia, ARPA Liguria, ARPA Toscana, ARPA Umbria, ARPA Marche, ARPA Lazio, ARPA Campania, ARPA Puglia, ARPA Basilicata, ARPA Calabria, ARPA Sicilia, ARPA Sardegna, ARPA Valle d'Aosta, ARPA Trentino-Alto Adige, ERVET, FIA.





2.5 Comments by participants

Satisfaction questionnaire were administered to the participants and to teachers in all of the three editions in order to gather suggestions and to understand how to improve the format.

In the first edition the most relevant observation of teachers was that 50 participants was a high number to manage, both during the working groups and during lessons. In particular, in the advanced module, more than one teacher is needed in order to follow the work of groups and to answer to the questions and doubts of participants.

Most of the participants underlined the necessity to deepen the communicational part related to the conflict management. For some participants some topic afforded were too deep and for other topics were too light. This is though the challenge of the course.

The request of adding a lesson related to the conflict management was solved with the integration of a specific module.



In the second edition the most relevant suggestion reported in the satisfaction questionnaire was the necessity of starting working on the case studies before the beginning of advanced module, in order to have time to collect all technical and economical data.

Also in the third edition, since the teachers tried to anticipate the work on case study, the most relevant suggestion reported in the satisfaction questionnaire was the necessity of starting before the beginning of advanced module, in order to have time to collect all technical and economical data.

Chapter 3. Problems observed and solutions proposed

A lack of interest by condominium manager was registered. This is probably due to the fact that their mandatory refresher courses lasts at maximum 20 hours, so they are not used to attend more demanding courses. With the aim of solving the problem, Province of Trento is working to widen the advertisement of the course to the category of condominium manager and to collaborate with other local project addressed to condominium managers, in particular the project named “Smart manager”.





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THE PROJECT PREPAIR

The Po Basin represents a critical area for the quality of air, as the limit values of fine powders, nitrogen oxides and ozone set by the European Union are often exceeded. The northern Italian regions re included in this area as well as the metropolitan cities of Milan, Bologna and Turin.

This area is densely populated and highly industrialized. Tons of nitrogen oxides, powders and ammonia are emitted annually into the atmosphere from a wide variety of polluting sources, mainly related to traffic, domestic heating, industry, energy production and agriculture. Ammonia, mainly emitted by agricultural and zootechnical activities, contributes substantially to the formation of secondary powders, which constitute a very significant fraction of total powders in the atmosphere.

Because of the weather conditions and the morphological characteristics of the basin, which prevent the mixing of the atmosphere, the background concentrations of the particulate, in the winter period, are often high.

In order to improve the quality of the air in the Po Valley, since 2005 Regions have signed Program Agreements identifying coordinated and homogeneous actions to limit emissions deriving from the most emissive activities.

The PREPAIR project aims at implementing the measures foreseen by the regional plans and by the 2013 Po Basin Agreement on a wider scale, strengthening the sustainability and durability of the results: in fact, the project involves not only the regions of the Po valley and its main cities, but also Slovenia, for its territorial contiguity along the northern Adriatic basin and for its similar characteristics at an emissive and meteorological level.

The project actions concern the most emissive sectors: agriculture, combustion of biomass for domestic use, transport of goods and people, energy consumption and the development of common tools for monitoring the emissions and for the assessment of air quality over the whole project area.

DURATION

From February 1st 2017 to January 31 2024.

TOTAL BUDGET

17 million euros available to invest in 7 years: 10 million of which coming from the European Life Program.

COMPLEMENTARY FUNDS

PREPAIR is an integrated project: over 850 million euros coming from structural funds and from regional and national resources of all partners for complementary actions related to air quality.

PARTNERS

The project involves 17 partners and is coordinated by the Emilia-Romagna Region – General directorate for the territorial and environmental care.



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