



LIFE 15 IPE IT 013

With the contribution
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PRIVATE BUILDING ENERGY RENOVATION: RESTARTING FROM CONDOMINIUMS

Report 2020





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Chapter 1. Comparison between activities foreseen and activities done

As specified in Deliverable D2, it was decided to abrogate the fixed number of participants for each category for guaranteeing an adequate proportion in the working groups and to cancel the number of editions for each year, maintaining the total number of courses during the project implementation. With this last changes, partners could decide how to organize the tenders and the offering in their own territories. The Province of Trento decided to host one edition per year in the same place, since it is characterized by a small territory, whereas the other Regions decided to host more than one edition a year in different cities. Table 1 reports the editions done and planned for each partner.

Table 1 - Courses done/planned

	2018 (done)	2019 (done)	2020 (done/planned)	2021 (planned)
Piedmont Region	0	0	0	4
Autonomous Province of Trento	1	2	1 (done)	0
Emilia-Romagna Region	0	0	1 (planned)	3
Friuli-Venezia Giulia Region	0	0	2 (1 done and 1 planned)	2
Veneto Region	0	0	1 (ongoing)	3



Chapter 2. Description of courses done

2.1 Participants details

Table 2, Table 3 and Table 4 report the details of the participants that attended the edition already done and reported in the previous deliverable and the new ones. Trento has finished all the planned editions, thus also the total numbers of registered people and promoted participants are included.

Table 2 – Participants registered for each edition held in Autonomous Province of Trento

	1st edition	2nd edition	3rd edition	4th edition (new)	Total
Number of registered people	50	24	25	31	130
Number of promoted participants	45	19	22	21	107

Table 3 – Participants registered for each edition held in Friuli-Venezia Giulia Region

	1st edition (new)
Number of registered people	26
Number of promoted participants	18

Table 4 – Participants registered for each edition ongoing in Veneto Region

	1st edition (new)
Number of registered people	14

2.2 Adaptations to the format

Friuli-Venezia Giulia Region decided to shift 4 hours from management module to the technical module. Some other minor changes were done to the format both by Friuli-Venezia Giulia Region and Veneto Region, welcoming the proposal of the provider of the courses.

Moreover, as reported in Chapter 3, during and after Covid-19 emergency it was decided to give the lectures in a webinar mode in order to guarantee the continuity of the Action.

2.3 Working group presentations

Figures below report 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.

Analisi stakeholders

ELENCO ED ASPETTATIVE DEGLI STAKEHOLDER - INTERVENTO: Condominio APIAE

Tipologia	Descrizione / Note	Milioni	Requisiti (o aspettative) per l'intervento	Fonte (prevalente influenza)	Interesse	Impiego per l'intervento
PRODOTTORESI/CONDIZIONATORI ALLOGGI	200,70 Convenire emergenze ex opere necessariamente adobe invecchiata Riscaldamento adobe invecchiato Alloggi (spazi dotati di affittazione)			ASL	ASL	Colorato (rosso)
PROPRIETARI ALLOGGI	73,20 Riscaldamento adobe invecchiato Possibilità di servizio del carcere di scollazione Riscaldamento adobe invecchiato			ASL	Benigni	Colorato (verde)
REGOLARI ALLOGGI	0,00 Convenire emergenze ex opere necessariamente adobe invecchiata Riscaldamento adobe invecchiato			Benigni	ASL	Colorato (verde)
PROPRIETARI/CONDIZIONATORI UFFICI E NEGOZI	412,50 Convenire emergenze ex opere necessariamente adobe invecchiata Riscaldamento adobe invecchiato Possibilità di servizio del carcere di scollazione Riscaldamento adobe invecchiato Riscaldamento adobe invecchiato Riscaldamento adobe invecchiato			ASL	ASL	Colorato (rosso)
PROPRIETARI UFFICI E NEGOZI	180,00 Riscaldamento adobe invecchiato Possibilità di servizio del carcere di scollazione Riscaldamento adobe invecchiato			ASL	Benigni	Colorato (verde)
REGOLARI UFFICI E NEGOZI	0,00 Convenire emergenze ex opere necessariamente adobe invecchiata Riscaldamento adobe invecchiato Possibilità di servizio del carcere di scollazione			Benigni	ASL	Colorato (verde)
RAZIONAZIONE CANTIERE E COSTA	25,00 Non interessati alla riqualificazione			Benigni	Benigni	Colorato (verde)
Totale		8.800,00				

> Uffici e negozi 601,50 mill.
 > Alloggi 372,90 mill.
 > Altro 25,60 mill.



IN QUALE CONDOMINIO VORRESTI VIVERE?

CONDOMINIO 1

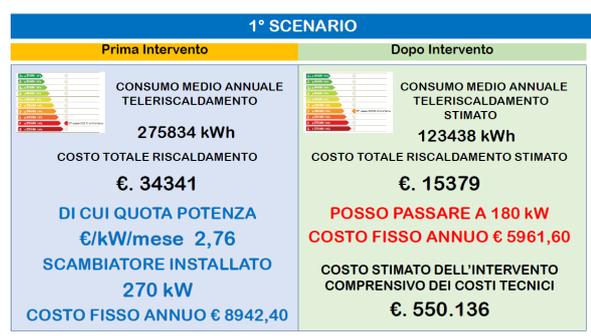
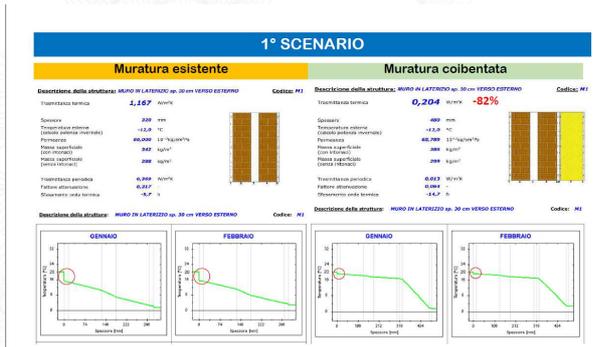
CONDOMINIO 2

IN QUALE CONDOMINIO VORRESTI VIVERE?

CONDOMINIO 1

CONDOMINIO 2

2020-1964 = 56 ANNI TI INTERESSA DARE UNA SVOLTA E CAPIRE COME POTER RIQUALIFICARE IL TUO CONDOMINIO?



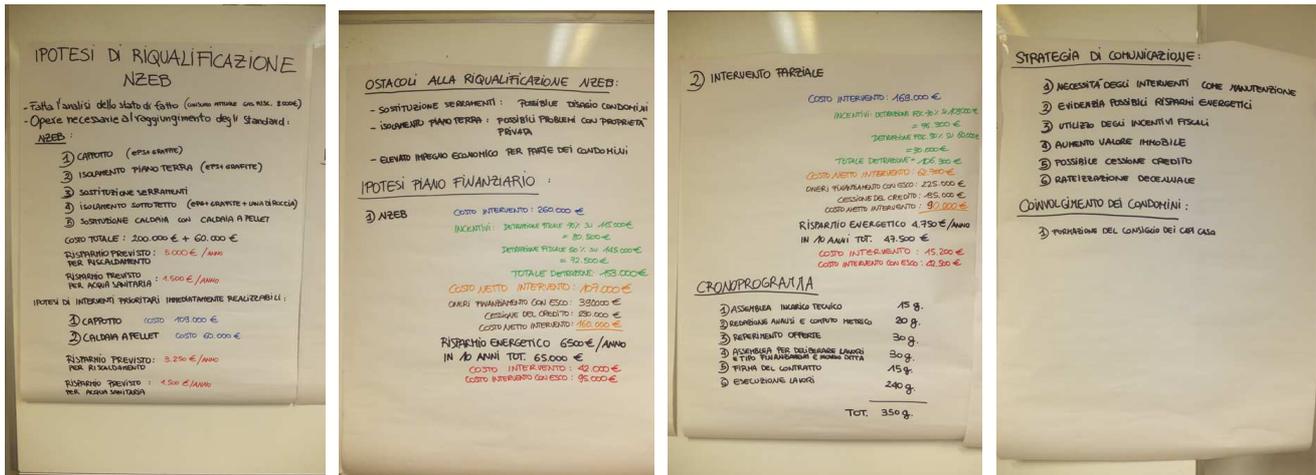


Figure 2. Selection of pictures taken during the working groups in the 1st edition in Friuli-Venezia Giulia



2.4 Pictures of the courses

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



Figure 3. Pictures taken during the 4th edition held in Trento



Figure 4. Pictures taken during the 1st edition held in Friuli-Venezia Giulia

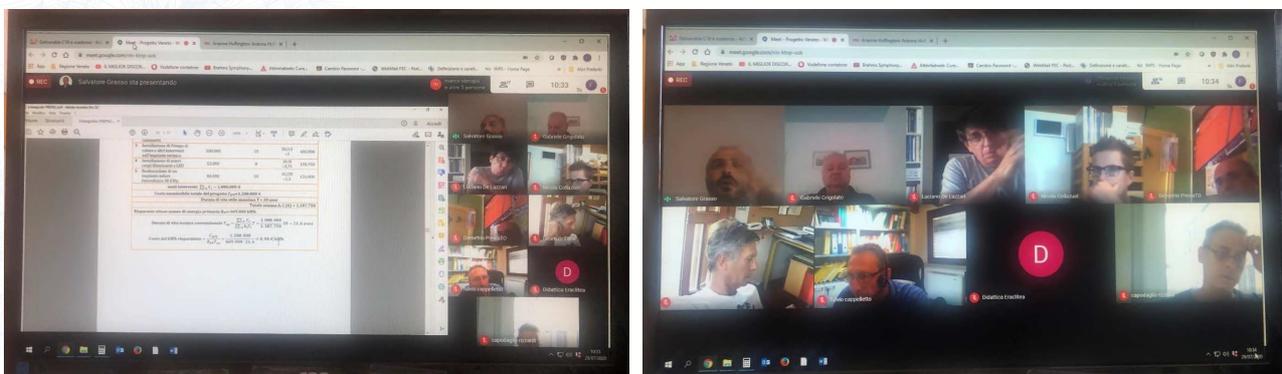


Figure 5. Screenshot of webinar lessons during the 1st edition ongoing in Veneto

2.5 Comments by participants

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

The answers were in general positive and the participant shew satisfaction about the courses. Some minor comments are reported in the single reports done by the providers. In this paragraph only the more relevant suggestions are reported.

Both in Trento edition and in Friuli-Venezia Giulia edition participants underlined the importance to support the technical part with practical cases and examples, in order to better understand the application of what it is explained.

Moreover, the participants of Trento last edition underlined again (as done in the previous editions) the necessity to start to work on the practical cases as soon as possible, in order to be able to work on them during the lessons.

In the Trento edition, some participants underlined the necessity to deepen the communicational part related to the conflict management. One module had been added to the format between the first and second edition but it seems that this topic need to be deepened more.

Chapter 3. Problems observed and solutions proposed

3.1 Courses dropout

The free participation to the courses 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. As can be seen in the Table 3 and Table 4, there is a high percentage of participants that didn't finish the course (around 10%-20%). This problem could be solved by a deposit that could be given back at the end of the course.

3.2 Coronavirus emergency and webinar mode

Covid-19 emergency and the following lockdown caused the impossibility to attend physically the courses.

The last edition held in Trento was ongoing at the beginning of the lockdown. Firstly, the Province decided to suspend the edition in order to understand better the situation and the safety conditions for continuing it. In a second moment it was decided to restart the course in webinar mode, in order to allow participants stuck in their houses to go on with their training. A webinar platform was made available to the participants and also the working groups had the possibility to use it. The course proceeded without other inconvenients and participants appreciated the new modality.

The first edition of Veneto started after the end the lockdown but due to the restrictions in force the Region decided to start with the webinar mode.

3.3 Condominium manager participation

In the Veneto edition, a lack of interest by condominium managers 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. For further editions, a possible solution is working with the professional associations in order to widen the advertisement of the course to the category of condominium manager and to collaborate with other local project addressed to condominium managers.





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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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