



LIFE 15 IPE IT 013



LIFE IP PrepAIR

Po Regions Engaged to Policies of Air

EU Clean Air Forum

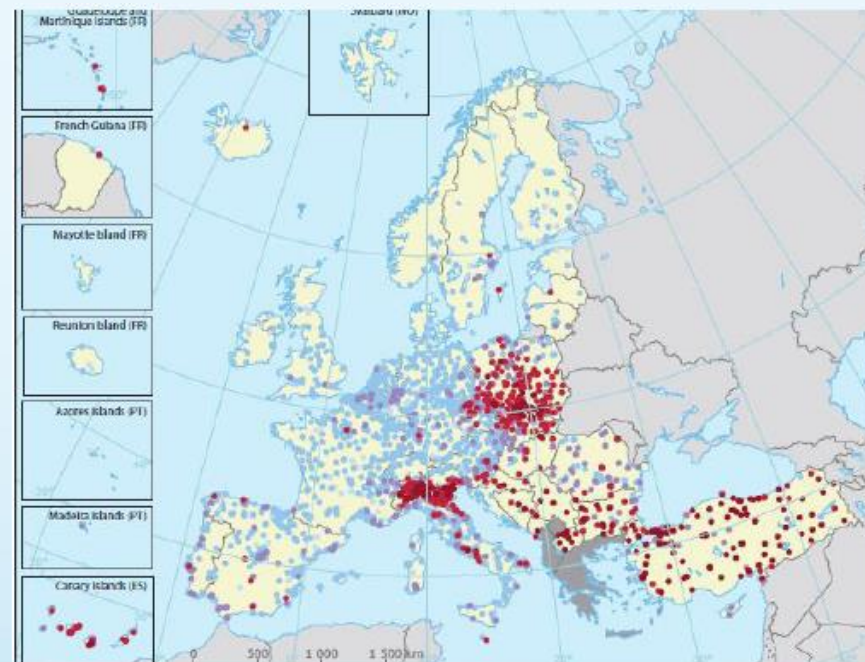
Bratislava, 28-29 Novembre 2019

Air quality in the Po valley: a vast area problem

- Po valley is an highly developed area with more than 23 million inhabitants and producing more than 50% of Italian GDP
- The Po Valley represents a significant nonattainment area for PM, NO₂ and O₃ EU air quality limit values;
- Meteorological conditions and the transport and dispersion of pollutants are strongly influenced by the morphological characteristics of the Po Valley and the northern Adriatic Basin. The transport of pollutants is limited by the Alps, the Apennines and the Dinaric Alps.
- Air Pollution homogeneously spread on the whole basin and needs to be tackled by coordinated interventions at all scales (national, inter-regional, regional and local level)



Satellite Image of Northern Italy in the winter season (source: MODIS radiometer, NASA)



European Environmental Agency, Air Quality in Europe – 2019 Report



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Why an integrated project: scope and expected impacts



- Air quality in the Po Valley is influenced by the meteorological and morphologic conditions that prevent pollutants dispersion in the winter periods, causing exceedances of limit values → **Regional Air Quality Plans**: All the Regions have implemented air quality plans over the past decade, but these plans have not been fully succeeded in reducing levels of PM, NO₂ and O₃ within the EU standards. Coordinated and large-scale actions should be undertaken in the Po valley to further reduce the levels of background air pollution
- Since 2005 **Po Valley Agreements on air quality** → In 2013 establishment of common actions on the most emitting sources: **transport, biomass for domestic heating, energy efficiency, agriculture**, with the involvement of the Ministry for Environment and other competent Ministries

PREPAIR will

- act on multiple sectors/policies and on multiple pollutants (PM, NO₂, O₃, NH₃, VOC)
- help the full implementation of AQPs and of measures of the Po Valley Agreement *on a larger territorial scale* → **environmental concrete actions by Regions and Cities**
- establish a permanent data sharing infrastructure for monitoring and assessing air quality and measures implementation in the project area → **technical actions by EAs**
- allow to assess and reduce pollutants transportation across the Northern Adriatic Sea

and wants to

- strengthen the synergies among Regions and Environment Agencies on air quality issues and policies
- establish a **Permanent government platform** composed by:
 - Representatives of the Regions involved in air quality issue
 - Representatives of the Authorities in charge of complementary funds
 - Stakeholders



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Main data



Integrated project financed under the thematic priority area Air of the Programme Life for Environment

Budget: 16.805.939 €

EU co-financing: 9.974.624 €

Beneficiary coordinator: Region Emilia-Romagna,
Directorate General for Territorial and
Environmental Care

17 Associated Beneficiaries

From: 1/2/2017 to 31/01/2024 (7 years– 3 phases)

Grant Agreement signed in December 2016

Project area and beneficiaries

6 Regions

Region Emilia-Romagna;
Region Lombardy, Region
Piedmont, Region Veneto;
Autonomous Province of
Trento; Region Friuli Venezia
Giulia;

7 Environment Agencies

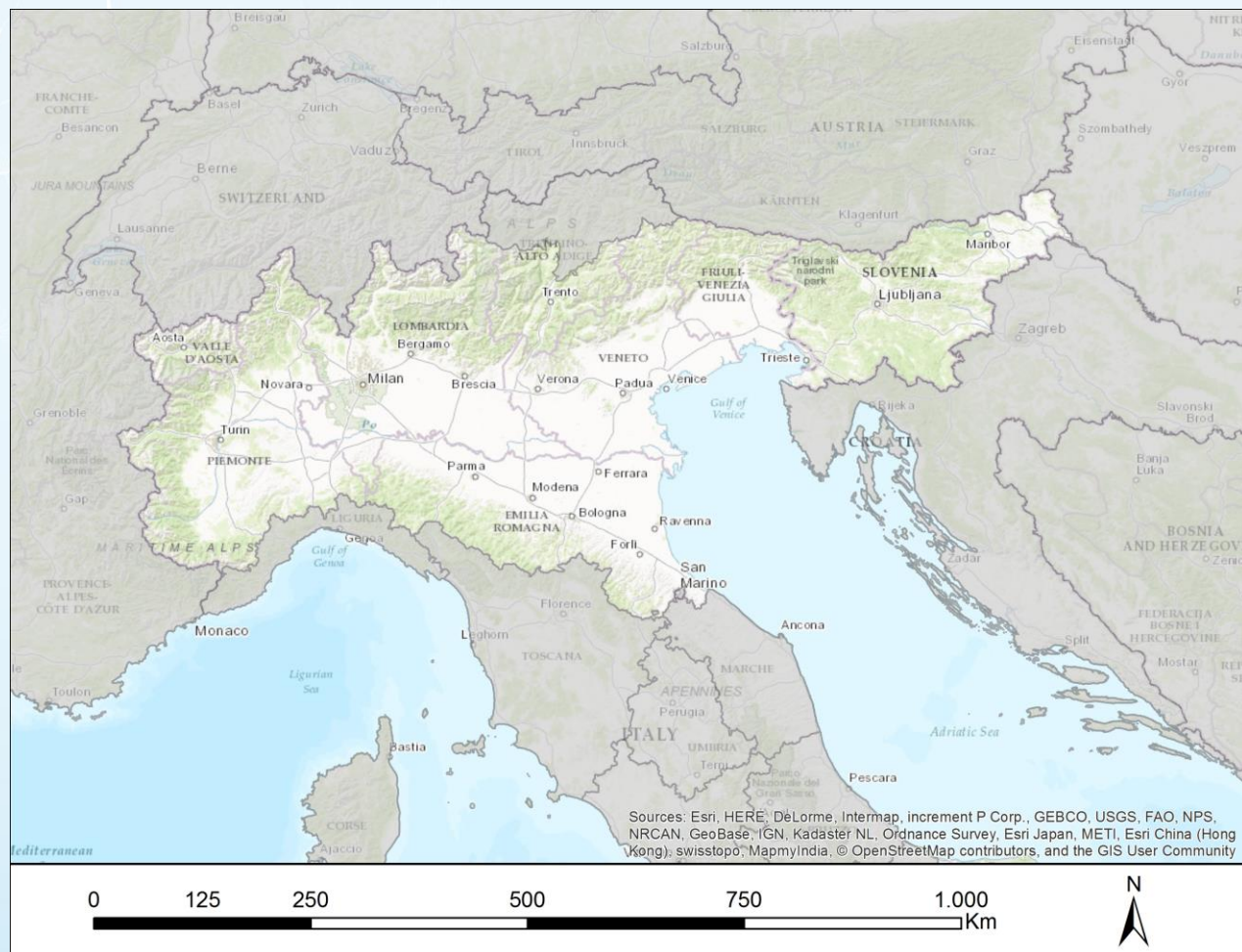
ARPAE Emilia-Romagna; ARPA
Lombardy; ARPA Piedmont;
ARPA Veneto; ARPA Valle
d'Aosta; ARPA Friuli Venezia
Giulia; Slovenian Environment
Agency

3 Municipalities

Bologna; Turin; Milan

2 Private non-commercial agencies

Art-ER; FLA





Initial conference, Bologna June 8 and 9, 2017



1° Midterm conference

Milan 11 june 2019



The project structure

PROJECT MANAGEMENT AND MONITORING OF PROJECT PROGRESS (F) - 3 actions

Administrative and financial management of the project, Independent Auditing, Establishing the governance permanent platform

PREPARATORY ACTIONS (A)

– 4 actions

- emission data set
- system for the environmental accountability of the measures of AQ Plans
- preliminary assessment of AQ Plans
- network of special stations for the monitoring of the Plan's environmental effects

CONCRETE IMPLEMENTATION ACTIONS

(C) – 17 actions

Environmental Actions in the fields of:

- agriculture
- biomass
- transports
- energy efficiency

Technical Actions regarding data sharing infrastructures, emission data warehouse and implementation of the integrated assessment model (RIAT+)

MONITORING ACTIONS (D)

– 6 actions

- collection and update of data (measures, emissions, traffic flows, biomass consumption)
- regular assessment of air quality
- monitoring and estimations of actions

COMMUNICATION AND DISSEMINATION ACTIONS (E) – 5 actions

- Promotion and dissemination of the project's actions results at local, national and international level
- Specific communication actions on particular IP/AQPs issues: domestic use of biomass, electric mobility, school targeted educational paths on air quality

Fields of action / thematic pillars

BIOMASS



- specific education and qualification actions for freelances on the design, maintenance and control of domestic wood-burning plants
- awareness-raising activities for citizens on good practices.
- Optimization of the local supply chain of biomass.

AGRICULTURE

- development of a common evaluation tool for the reduction of emissions in the farms
- dissemination of good practices on the use of fertilizers through also a system of assistance to farmers in order to optimize its spreading by using low-emissions techniques.



TRANSPORTS

Developing common tools for the support of the public, electric and cycling mobility and for a rational management of the transport of goods, also by adopting pilot and demonstrative actions.



Fields of action / thematic pillars



ENERGY EFFICIENCY

- provide guidelines for small and medium enterprises
- develop an integrated approach to all actors involved in the chain of condos
- realize local info-points in support of public bodies for promoting the green public procurement.

EMISSIONS EVALUATION AND MONITORING

- realization of a permanent platform for data sharing
- monitoring and evaluation of air quality in the Po basin, including the effects of the cross-border pollution between Italy and Slovenia.



COMMUNICATION AND NETWORKING

Specific communication actions addressed to public operators, privates and local communities are foreseen. Networking is particularly important for sharing and capitalizing other projects' results, for avoiding overlapping and for strengthening the synergies between different initiatives.

Complementary funds

- Complementary actions amount at more than 850 M€
- The proportion between IP itself measures and complementary measures is 1:50
- Complementary funding from EAFRD, ERDF, regional and national funds
- PREPAIR will realize actions that are actually synergic to complementary ones
- The implementation of complementary actions will be monitored during the IP through a continuous exchange of data with the Managing Authorities of complementary funds



**RURAL
DEVELOPMENT
PLANS**



**REGIONAL
DEVELOPMENT
PROGRAMMES**

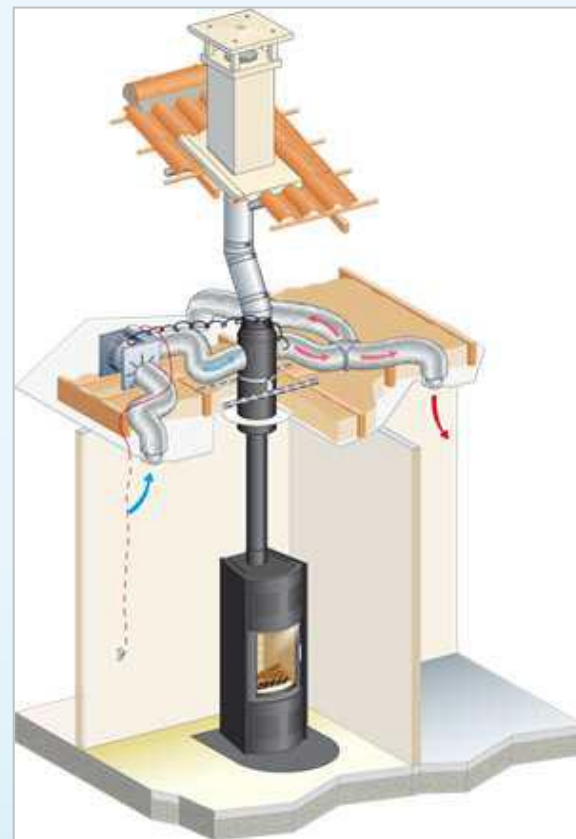


PON METRO

Technical and specialist training for installers and designers of domestic biomass systems

Aims of the action

1. **Qualification of the technical competences** of installers, maintenance engineers and designers of civil and residential biomass systems
 2. **Promote the sustainability** of domestic biomass burning for a cleaner and safer use, through the important role of technicians in providing information to the end users.
- Organization of **training courses** in the Po Basin Regions involved in the action



Expected results:

Dissemination of importance of domestic biomass burning for air quality protection

Dissemination of a culture of proper design, construction and maintenance of domestic biomass burning facilities to reduce emissions of pollutants



Technical and specialist training for installers and designers of domestic biomass systems

First results:

1. **A shared training format** for the course
2. **1st experimental edition of the training course** organized in Trento in the end of 2018
3. **1st edition of the training course** organized in Veneto (Padua)
4. **2nd edition of the training course** organized in Veneto (Padua) -> to be concluded within the 2019

Next steps:

- **Second and third editions of the training course** (to be held between Sep. 2019-Oct. 2020)
- **Training courses organized in the other partner Regions**



WORKSHOP COMBUSTIONE DELLA BIOMASSA LEGNOSA E QUALITÀ DELL'ARIA

SEMINARIO TECNICO PER PROGETTISTI, INSTALLATORI E MANUTENTORI
DI IMPIANTI DOMESTICI A BIOMASSA LEGNOSA

DATA
13 APRILE 2018

ORARIO E LUOGO
DALLE 14:00 ALLE 18:00
SALA DEI "DUECENTO" - SEDE ASSOCIAZIONE ARTIGIANI
VIA BRENNERO N.182 - TN

RELATORI
FUNZIONARI DI **APPA** (AGENZIA PROVINCIALE PER LA PROTEZIONE DELL'AMBIENTE)
E **APRIE** (AGENZIA PROVINCIALE PER LE RISORSE IDRICHE E L'ENERGIA)
DELLA PROVINCIA AUTONOMA DI TRENTO

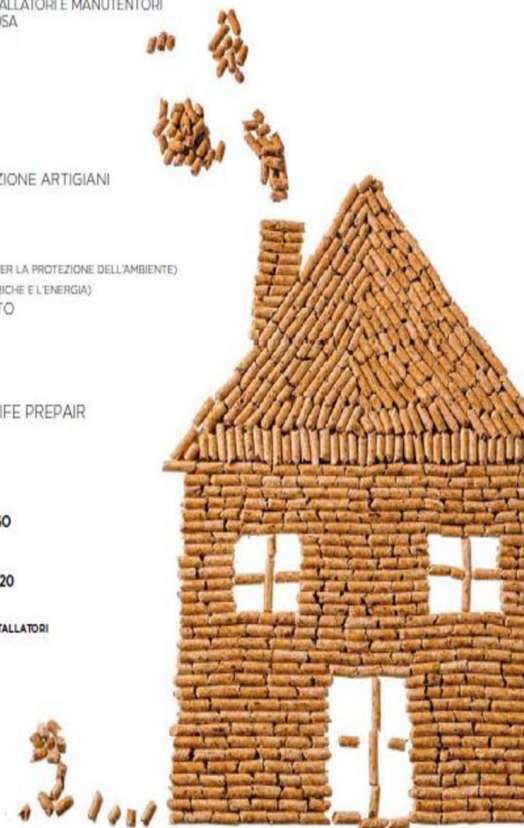
COSTO
GRATUITO
CORSO FINANZIATO DAL PROGETTO LIFE PREPAIR
WWW.LIFEPREPAIR.EU

ISCRIZIONI
ISCRIZIONI ENTRO IL 3 APRILE 2018
CLICCA QUI O UTILIZZA IL QR CODE IN BASSO

INFO
FORMAZIONE@ARTIGIANI.TN.IT - 0461/803720

IN OCCASIONE DEL SEMINARIO SARÀ PRESENTATO
IL CORSO TECNICO SPECIALISTICO PER PROGETTISTI, INSTALLATORI
E MANUTENTORI DI IMPIANTI DOMESTICI
A BIOMASSA LEGNOSA

**CREDITI FORMATIVI
PER PROGETTISTI**



Private buildings

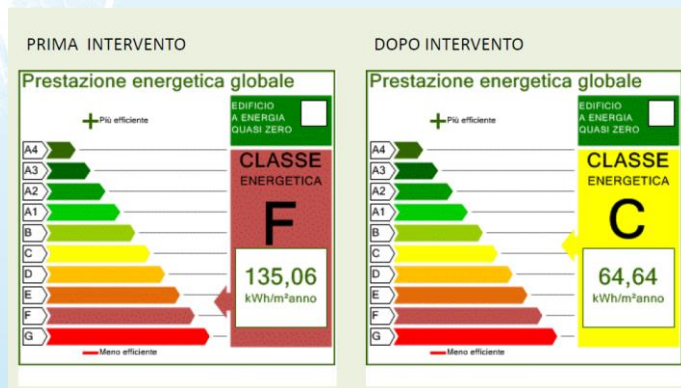
Multy property buildings – Training course

- 3 editions courses
- 100 trained people:
 - 15 condominium managers
 - 50 technicians
 - 20 craftsmen
 - 15 others (category delegates, bank officers,...)

LA FACCIATA OGGI



LA FACCIATA DOMANI - 2



Support to local authorities for energy saving initiatives: local info-point



C'È ARIA PERTE! Insieme per le politiche della qualità dell'aria

Infoenergia
Il portale provinciale dell'energia

Home

L'Infoenergia è un portale dedicato ai funzionari pubblici, attraverso il quale diffondere informazioni di primo livello sugli strumenti tecnici, economici, finanziari e gestionali disponibili per realizzare efficacemente la riqualificazione energetica degli edifici pubblici. Si tratta di un'area informativa sperimentale in via di sviluppo nell'ambito del progetto LIFE IP PREPAIR.

Cosa trovi qui

La struttura del portale richiama idealmente il processo di sviluppo di un intervento: dalla pianificazione/programmazione iniziale fino al monitoraggio, con approfondimenti sui requisiti minimi ambientali ed energetici da rispettare in fase realizzativa.

1. PIANIFICARE/PREPARARE
2. AFFIDARE
3. FINANZIARE
4. REQUISITI PRESTAZIONALI
5. GESTIRE

Il presente "Infoenergia" è stato prodotto e sviluppato a solo scopo informativo. Esso non si sostituisce in nessun caso al corpus normativo emanato dai vari enti, unico ed ultimo riferimento valido, né i contenuti, pareri, i commenti ed i suggerimenti in esso contenuti possono costituire "giurisprudenza" né riferimenti validi in casi di contenzioso.

Home

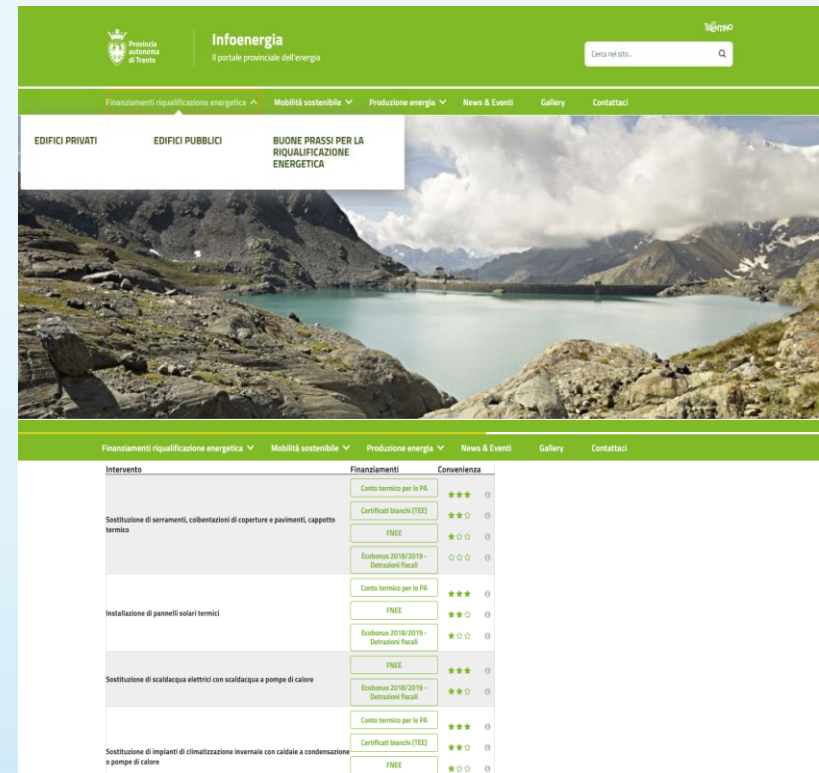
DEMOZIONE E RICOSTRUZIONE o/o AMPLIAMENTI

Sono ammessi ad edifici di nuova costruzione (D.M. 26/06/2015 Decreto requisiti minimi):

1. edifici sottoposti a demolizione e ricostruzione;
2. ampliamenti di edifici esistenti, ovvero i nuovi volumi edilizi con volume lordo climatizzato superiore al 15% di quello esistente o comunque superiore a 500 m³.

1. l'ampliamento può essere connesso funzionalmente al volume preesistente

2. l'ampliamento può costituire una nuova unità immobiliare (edilizia) come "parte progettata per essere utilizzata separatamente" dall'allegato A del D.Lgs. 152/2006).



Infoenergia
Il portale provinciale dell'energia

Cerca nel sito...

Finanziamenti riqualificazione energetica ▼ Mobilità sostenibile ▼ Produzione energia ▼ News & Eventi ▼ Gallery ▼ Contattaci

EDIFICI PRIVATI **EDIFICI PUBBLICI** **BUONE PRASSI PER LA RIQUALIFICAZIONE ENERGETICA**

Finanziamenti riqualificazione energetica ▼ Mobilità sostenibile ▼ Produzione energia ▼ News & Eventi ▼ Gallery ▼ Contattaci

Intervento	Finanziamenti	Convenienza
Sostituzione di serramenti, coibentazioni di coperture e pavimenti, cappotto termico	Conto termico per le PA	★★★★
	Certificati bianchi (TEE)	★★★
	FNEE	★★★
Installazione di pannelli solari termici	Economia 2018/2019 - Detrazioni fiscali	★★★
	FNEE	★★★
	Economia 2018/2019 - Detrazioni fiscali	★★★
Sostituzione di scaldacqua elettrici con scaldacqua a pompe di calore	FNEE	★★★★
	Economia 2018/2019 - Detrazioni fiscali	★★★★
	Conto termico per le PA	★★★★
Sostituzione di impianti di climatizzazione invernale con caldaie a condensazione o pompe di calore	Certificati bianchi (TEE)	★★★★
	FNEE	★★★
	Conto termico per le PA	★★★★



Public buildings

Spreading of GPP

- Handbooks
- e-learning modules
- workshops






MANUALE OPERATIVO PER GLI ACQUISTI VERDI

Progettazione realizzazione e ristrutturazione di edifici con criteri di sostenibilità







I requisiti e i mezzi di verifica

Allo scopo di agevolare la stazione appaltante nella applicazione del CAM edilizia, di seguito viene schematizzata la struttura del CAM e vengono fornite le indicazioni per impostare la documentazione di gara, dal servizio di progettazione, ai lavori di costruzione, demolizione, ristrutturazione e manutenzione nelle varie fasi dell'appalto.

CAM EDILIZIA - La struttura				
OGGETTO DELL'APPALTO	2.1 SELEZIONE DEI CANDIDATI	SPECIFICHE TECNICHE	2.6 CRITERI DI AGGIUDICAZIONE	2.7 CONDIZIONI DI ESECUZIONE
	2.2 SPECIFICHE TECNICHE GRUPPI DI EDIFICI	2.3 SPECIFICHE TECNICHE EDIFICIO	2.4 SPECIFICHE TECNICHE DEI COMPONENTI EDILIZI	2.5 SPECIFICHE TECNICHE DEL CANTIERE
ASPETTI DI SOSTENIBILITÀ TERRITORIALE	ASPETTI DI SOSTENIBILITÀ AMBIENTALE E INQUADRO	QUALITÀ AMBIENTALE INTERNA E MATERIALI DA COSTRUZIONE	SOSTENIBILITÀ DEL CANTIERE	

Nella formulazione della procedura di gara, la SA deve mettere a bando il progetto esecutivo conforme al CAM edilizia, o in casi di lavori, deve avere già un progetto esecutivo conforme al CAM.

PROGETTO ESECUTIVO

↓

REALIZZAZIONE DEI LAVORI

Bando Servizi di progettazione

→

Bando Lavori edili


Scelta dei candidati (art. 2.1)

Specifiche tecniche (art. 2.2 - 2.3 - 2.4 - 2.5)

↓

Modalità di esecuzione dei lavori (art. 2.7)

I criteri premianti riguardano diversi aspetti (capacità tecnica dei progettisti, distanza di approvvigionamento, ecc.) e si applicano, sia alla realizzazione dei lavori che ai servizi di progettazione.



Sezione_1 GPP nel nuovo codice degli appalti
Created By Study Software - Current Version

MENU

- Modulo 1 - L'obbligo di inserimento de...
- Indice argomenti trattati
- Art.34 della nuova disciplina dei co...
- I criteri ambientali minimi o CAM s...
- Quando si applicano i CAM
- Lavori sotto soglia
- Criteri premianti
- Criteri premianti
- Riepilogo argomenti trattati
- Modulo 2 - Il criterio dell'offerta econ...
- Indice Argomenti Trattati
- Criteri di aggiudicazione dell'offerta
- Miglior Rapporto Qualità-Prezzo
- Elemento prezzo e massimo ribasso
- Elemento costo
- Life Cycle Costing (LCC) e valutazi...
- Il Criterio del costo fisso

Sezione 1 GPP nel nuovo codice degli appalti


NOTE CREDITS






Sezione 1

GPP NEL NUOVO CODICE DEGLI APPALTI

Modulo 1 - L'obbligo di inserimento dei Criteri Ambientali Minimi

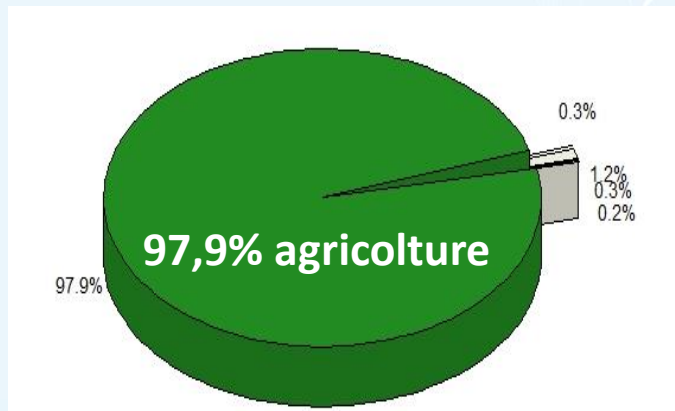
ENTRA



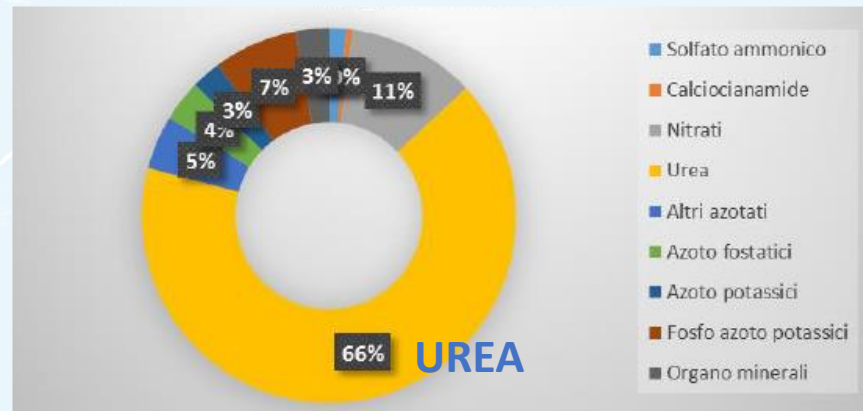








NH3 emissions



Fertilizers distributed in the Po basin





Evaluation of NH₃ emissions

Wind Tunnel Test





Evaluation of NH₃ emissions after Good Agricultural Practices



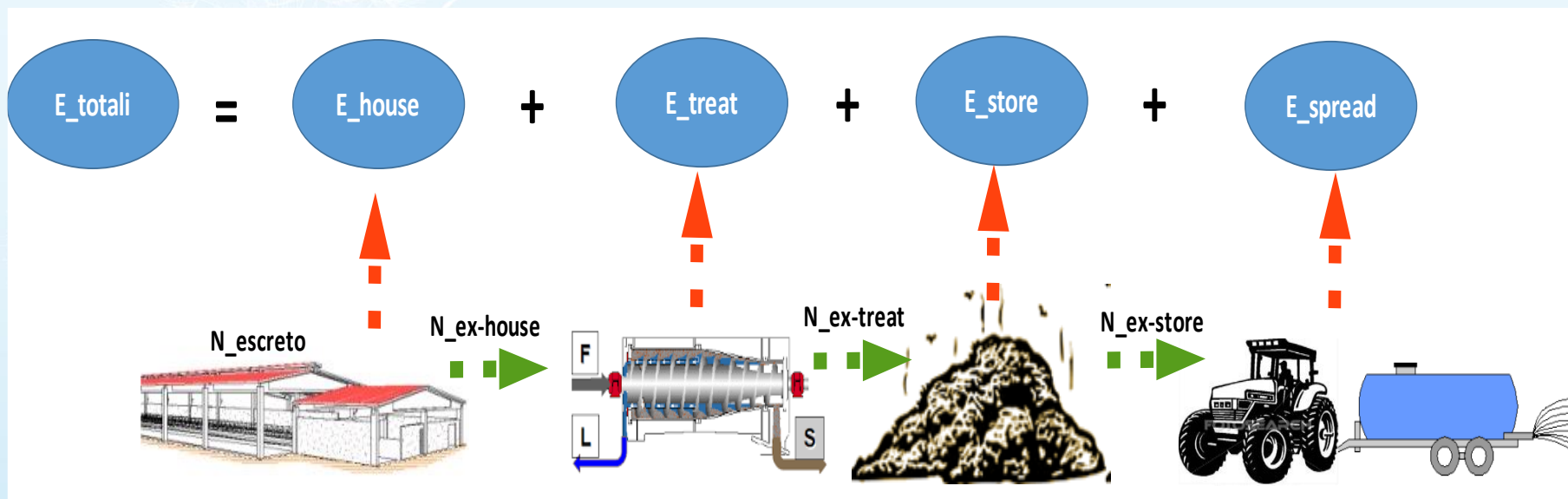


Evaluation of NH₃ emissions from pig and poultry farms



BAT-TOOL

Po basin common model
for the evaluation of gaseous emissions



- BAT Conclusions Official Journal of the European Union L 43 21/02/2017
- Options for Ammonia Mitigation Guidance UNECE



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Evaluation of NH₃ emissions from pig and poultry farms



BAT-TOOL

<http://www.crpa.it/battool>

AMMONIA EMISSIONS AND FARMS – PREPAIR LAUNCHES AN INNOVATIVE TOOL FOR ESTIMATING EMISSIONS BASED ON THE TECHNIQUES USED IN INTENSIVE FARMING





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PILLAR | Transport



promotion of Cycling Mobility **Training of public officers and advisors**

«This task aims at raising the awareness and provide technical information through training for policy makers or advisors and police officers from local government with courses in classroom and on field»

All slides and materials are available for participants on www.lifeprepare.eu

Videoslides are available on LIFE PREPAIR Youtube channel:
<https://www.youtube.com/channel/UCjCd06j3xkiUrvngxnhj1HxQ>





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Promotion of Cycling Mobility

On-field lessons



Participants are engaged in a on-field bike trip guided by experts to practically see on the road points of strenght and criticalities, main elements and possible solutions of urban cycling mobility





Promotion of Cycling Mobility

On-field lessons



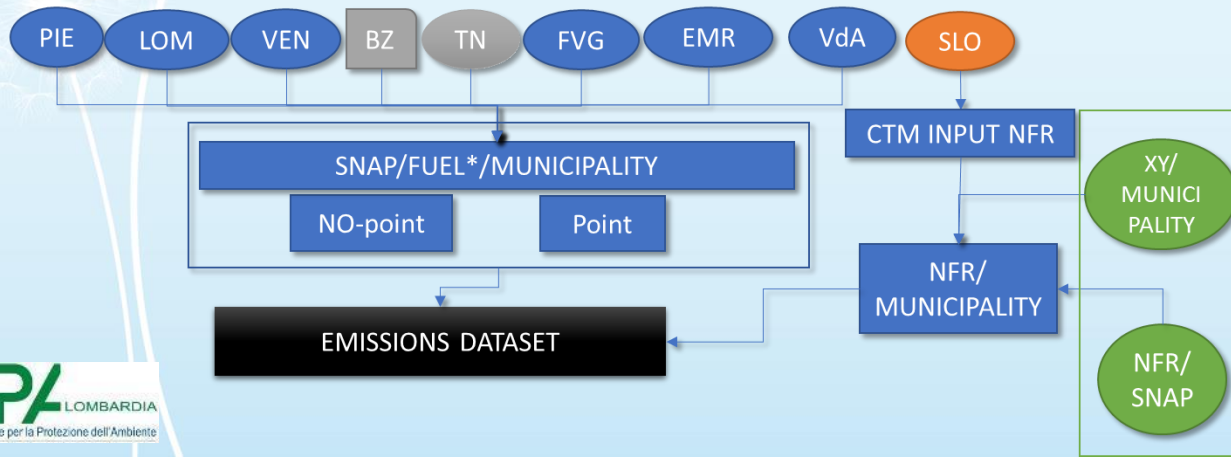
Workshop realized so far:

- Pavia,
- Mantova,
- Brescia,
- Varese,
- Bergamo,
- Rimini,
- Lecco,
- Parma,
- Bologna,
- Monza,
- Como

Emission share on the domain

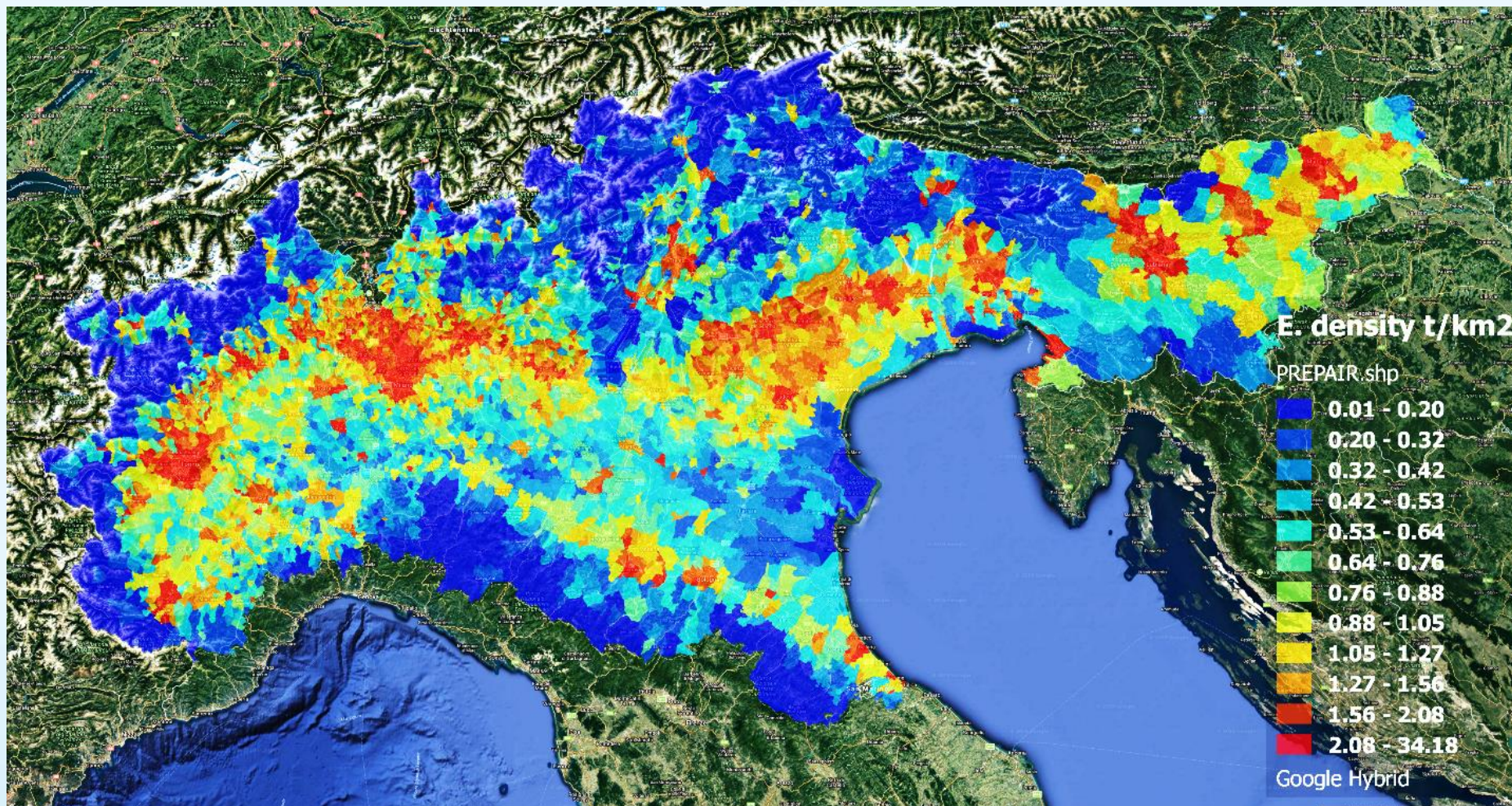
Main emission sectors are here highlighted:

Emission share on base year 2013	Po-basin			Po-basin and Slovenia		
	NH3	NOx	PM10	NH3	NOx	PM10
1-Combustion in energy and transformation industries	0%	6%	1%	0%	8%	1%
2-Non-industrial combustion plants	0%	9%	56%	0%	9%	59%
3-Combustion in manufacturing industry	0%	15%	4%	0%	14%	4%
4-Production processes	0%	3%	3%	0%	3%	3%
5-Extraction and distribution of fossil fuels and geothermal energy	0%	0%	0%	0%	0%	0%
6-Solvent and other product use	0%	0%	5%	0%	0%	4%
7-Road transport	1%	50%	20%	1%	51%	18%
8-Other mobile sources and machinery	0%	13%	4%	0%	12%	3%
9-Waste treatment and disposal	1%	1%	0%	1%	1%	0%
10-Agriculture	97%	1%	4%	97%	1%	6%
11-Other sources and sinks	0%	0%	3%	0%	0%	3%
Total	100%	100%	100%	100%	100%	100%



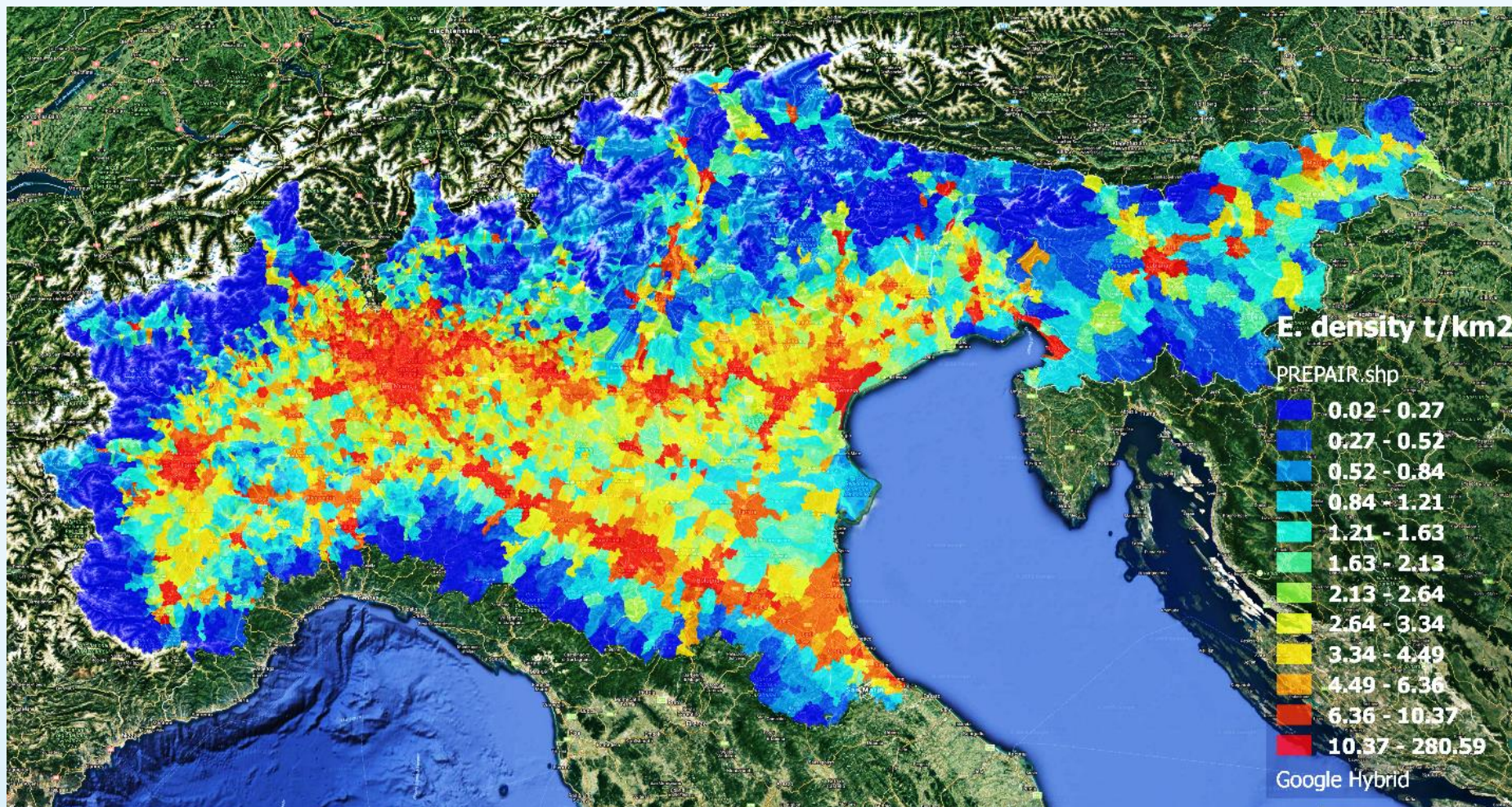
From: **A common emission dataset for the Po Basin Area** Angelino E., Marongiu A.
 1° MIDTERM CONFERENCE 'THE PO BASIN TOGETHER FOR THE QUALITY OF AIR MILAN'
 11/08/2019

Emission density PM10 - 2013



Per capita emission of PM10: **3 kg/inh/year** (Po-basin), **3.4 kg/inh/year** (Po-basin and Slovenia), **4.3 kg/inh/year** (EU-28)

Emission density NO_x - 2013



Per capita emission of No_x: **15 kg/inh/year** (Po-basin and Po-basin with Slovenia),
16.6 kg/inh/year (EU-28)



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Data Sharing



Log in Register

Datasets Organizations Groups About Search

/ Datasets

Organizations

- APPA Trento (1)
- ARPA FVG (1)
- ARPA Lombardia (1)
- ARPA Piemonte (1)
- ARPA Valle d'Aosta (1)
- ARPA Veneto (1)
- Arpae Emilia-Romagna (1)
- ARSO področja okolje (1)
- Prepair (1)

Groups

There are no Groups that match this search

Tags

Search datasets...

9 datasets found Order by: Relevance

Slovenia Air Quality measurements for pollutants

Link to real time daily non validated data for the following pollutants: NO, NO2, NOx, SO2, O3, CO, PM10 for 12 monitoring sites.

JSON

Snapshot DB

Snapshot DB

Trento air quality measurements

link to validated data of NO2,O3,PM10 and PM2.5

JSON CSV

ARPA Lombardia validated air quality measurements

With the contribution of the LIFE Programme of the European Union

prepAIR

Definition of format specifications and transmission protocols for data exchange

Action C1, deliverable 1
2018-01-31, initial version

Add Filter

Grid Graph Map 249865 records 1 - 100

Search data... Go

Filters

Latitude / Longitude fields

GeoJSON field

Latitude field

Longitude field

Update

☒ Auto zoom to features

☐ Cluster markers

variable: id: NO2
longitude: 8.98584
value: 0
nettime: 2017-11-28T09:00:00
station: id: VUKA0005
latitude: 45.7297
id: 1800534
validated: null

Leaflet | Map tiles by Stamen Design (CC BY 3.0), Data by OpenStreetMap (CC BY SA)



The Integrated Assessment model **RIAT+**

INPUT

Measures DB

GAINs technology & AQ plans, Prepair actions, Po Valley agreement, etc....

Measure DB

Mapping

GAINs/Emission Activities

Emission data

- areal, point sources and gridded -

Emission Inventory

S/R Function

Artificial Neural Network or model

Source Receptor Function



Pre Processors



Optimizer



Post Processors

RIAT + CORE SYSTEM

OUTPUT

Optimized application rate per Technologies

Tables

Costs per Technologies and Macrosector

Maps and Tables

Emissions and AQI
Maps and tables

Run Results

Valuta l'Aria Survey

- Realized November 2018 to January 2019
- More than 7000 participants
- A new edition of the survey will be realized in 2023 to evaluate the evolution of perception

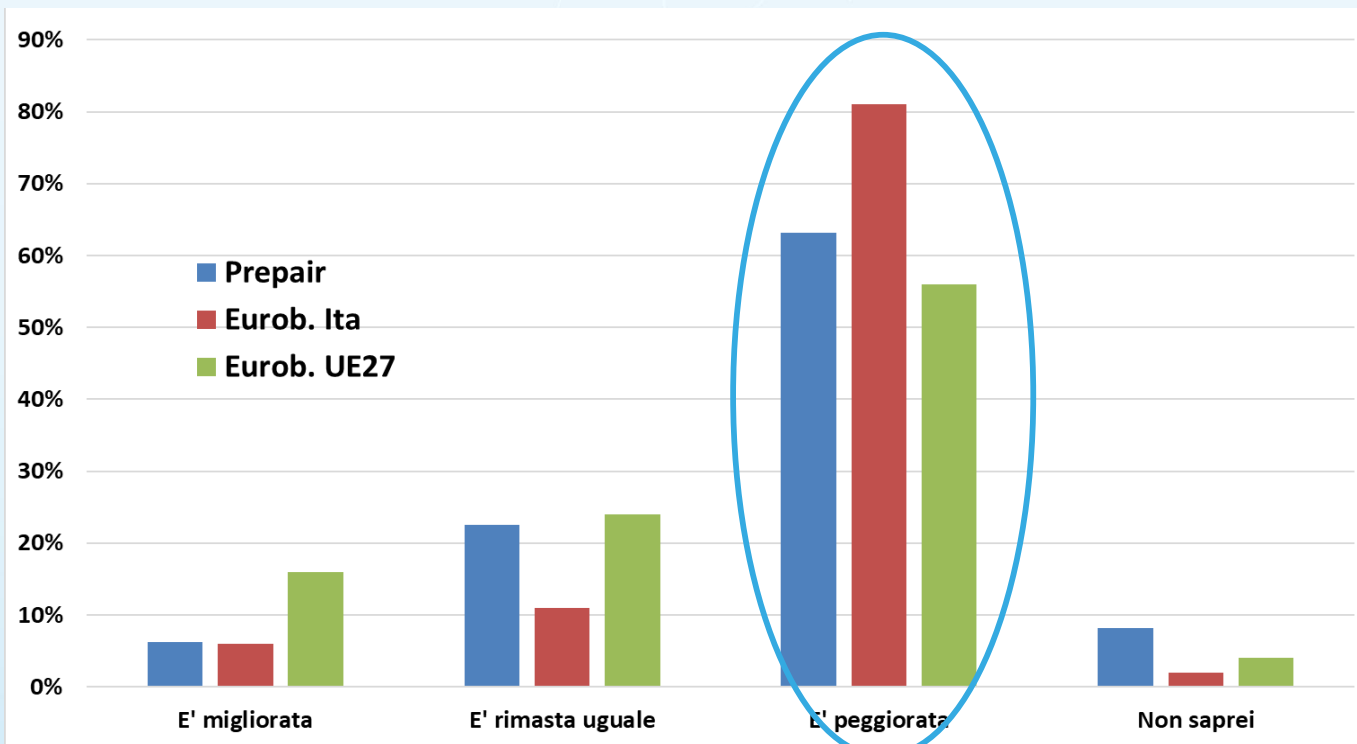
**1st Survey on Air quality
perception by Citizen in the Po
Basin**

Results available here: <https://bit.ly/2OeK3X4>



Perception

*Perception of the air quality trend over the last 10 years
Comparison between the Po Basin and Eurobarometer*

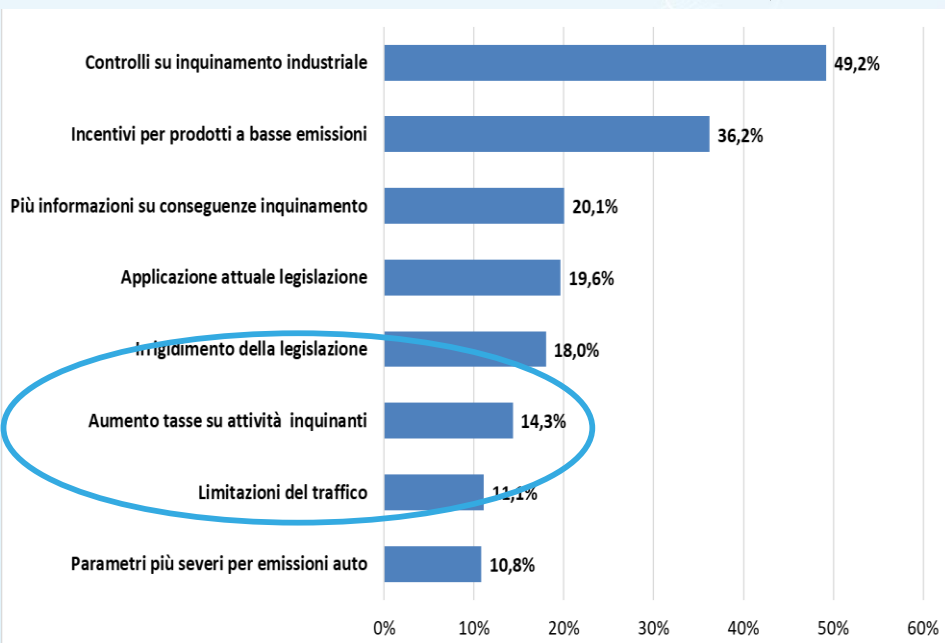


The perception of Citizens do not generally correspond to the data. Most of the European citizen **perceive the air quality as worsening** in the last decade.

The residents of the Po basin are slightly more pessimistic than European average but substantially more optimistic than the Italian citizens as a whole.

Global VS Local

Actions considered most effective to solve the air quality problems



But everyone is convinced that Transportation is the first source of pollution...

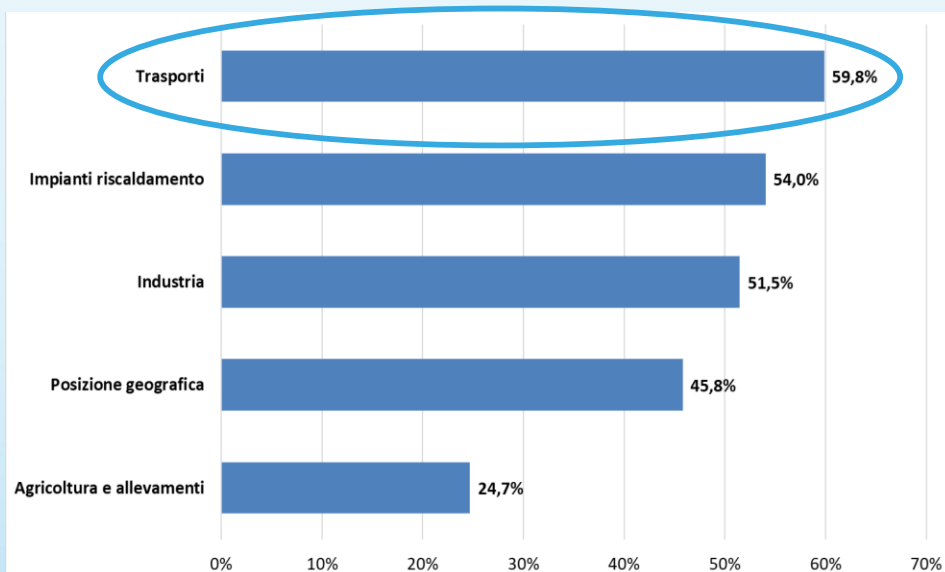
"involve us directly only once you have done everything possible on the other fronts"

Which is the most effective means to tackle the issue of air pollution?

- Industrial pollution controls 50%
- incentives for low-emission products (36.2%).

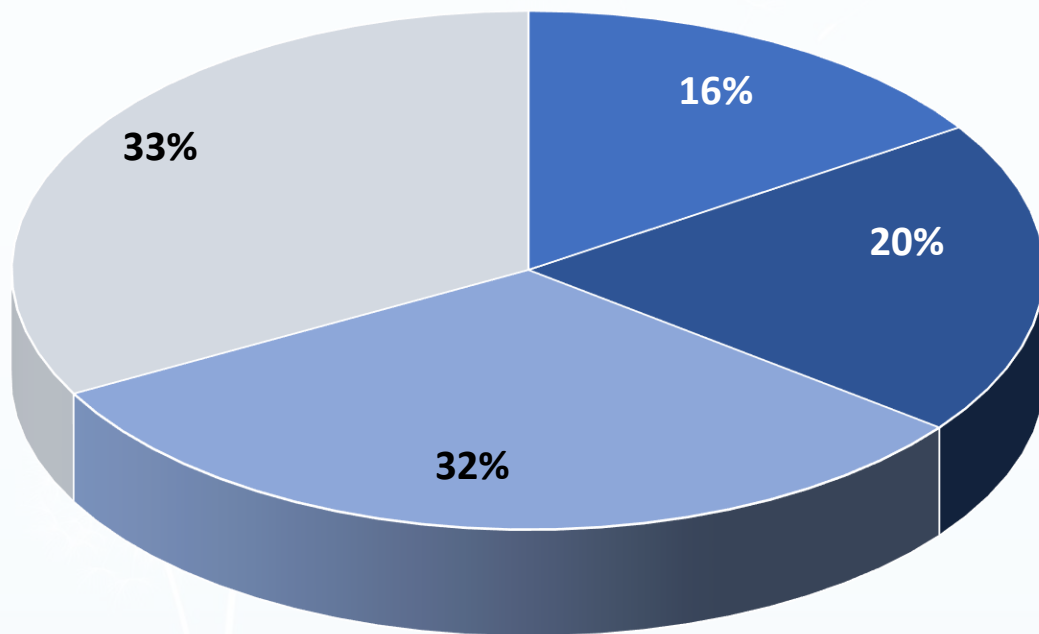
Least effective: traffic restrictions and new parameters for the emissions of new cars....

Main sources of air pollution



Profile of the respondents

Distribution of sample in the four clusters



- Engaged and proactive
- Available but..
- Hesitant
- Not available

Allies

Potential Allies

The multivariate analysis highlighted 4 clusters of citizens divided on the basis of **proactivity** / **availability** to implement virtuous behaviors to improve air quality.

Prepair Communication Campaign

- Launch: soon (January 2020)
- Target and message will be elaborated taking into account the results of **Valuta l'aria Survey**



**An alliance between citizens and institution to
improve air quality!**



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PILLAR | Communication



With the contribution
of the LIFE Programme
of the European Union

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**Brucia bene
la legna.
Non bruciarti
la salute.**



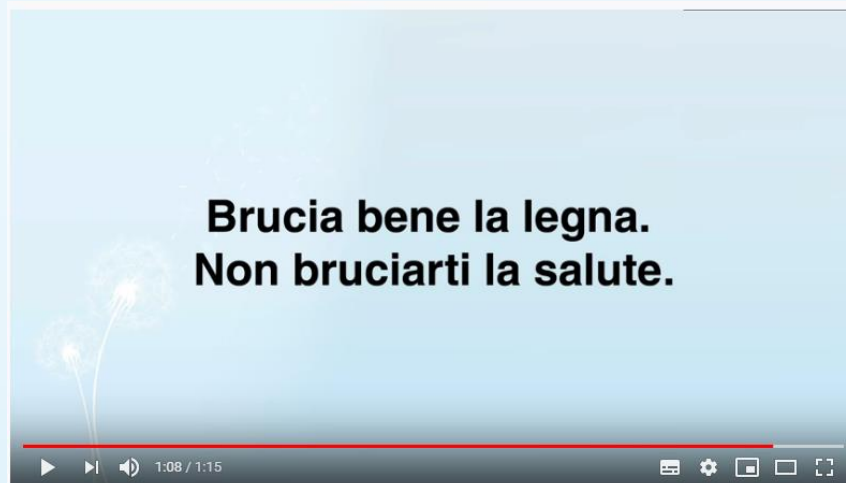
In molte aree italiane, una delle principali cause di inquinamento dell'aria è una non corretta combustione della legna. Informarsi è importante per proteggere la salute tua e di chi ti sta vicino.

Per saperne di più vai su: www.lifeprepare.eu



Communication on correct use of wood and pellet for domestic heating

**Brucia bene la legna.
Non bruciarti la salute.**



https://youtu.be/WV0yVjadb_U

Regione Emilia-Romagna



Regione Lombardia

REGIONE PIEMONTE

REGIONE AUTONOMA
FRIULI VENEZIA GIULIA



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ARSO ENVIRONMENT
Slovenian Environment Agency



Comune di Milano

CITTA' DI TORINO

ART-ER

FLA

Awareness raising on electric mobilities (electric mobility days)




elettricità
colora di verde la tua città!

ELECTRIC MOBILITY DAY
TRENTO
20 SETTEMBRE 2019

MOBILITÀ SOSTENIBILE

ORE 15.00 - MUSE

- Presentazione piano provinciale per la mobilità elettrica al convegno sulla Mobilità elettrica patrocinato dalla PAT (sala conferenze)
- Esposizione veicoli elettrici e prenotazione test-drive (Parco)

ORE 18.00 - PARCO del MUSE

- Spettacolo di Loredana Cont sulla "Mobilità sostenibile" (in sala conferenze in caso di pioggia)

infoenergia.provincia.tn.it

mobilityweek.eu

Training courses for teachers and
specific educational path on Air
quality in schools



<https://youtu.be/9VComYsWabY>





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of the European Union

Thank you!



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<https://www.linkedin.com/company/life-prepare>



<https://www.youtube.com/channel/UCjCd06j3xkiUrvngxhj1HxQ>



REGIONE DEL VENETO



REGIONE AUTONOMA
FRIULI VENEZIA GIULIA



PROVINCIA AUTONOMA DI TRENTO



Agenzia Regionale per la Prevenzione
e Protezione Ambientale del Veneto



ARSO ENVIRONMENT
Slovenian Environment Agency



Comune di Bologna



Comune di
Milano



CITTÀ DI TORINO



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