



LIFE 15 IPE IT 013



PROVINCIA AUTONOMA DI TRENTO



Approach and results of the LIFE PREPAIR project

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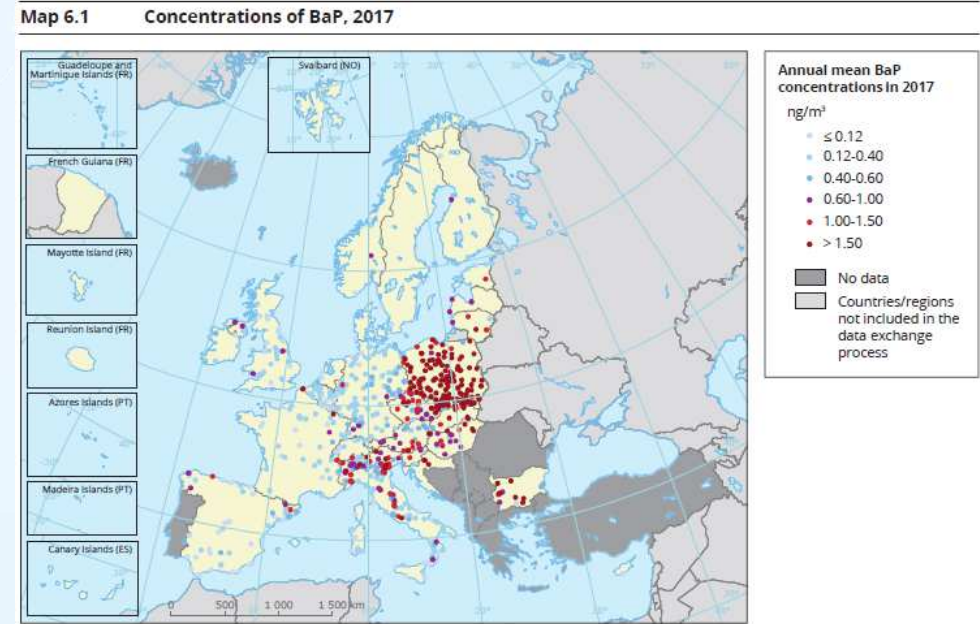
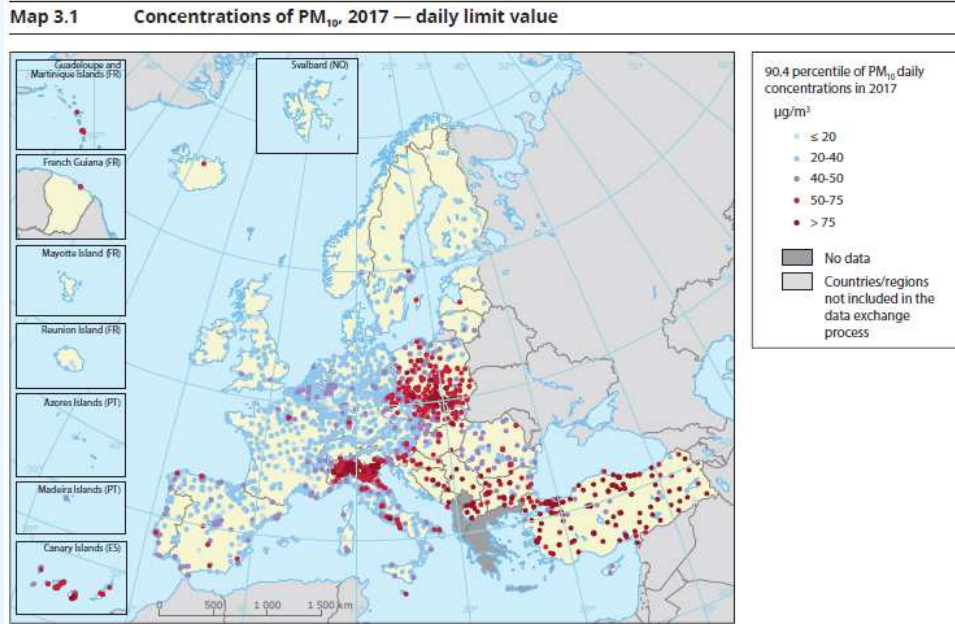
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Workshop "Clean Air"

6th Central European Biomass Conference CEBC 2020

Graz, 23rd January 2020

Air quality and domestic BB in the Po Basin

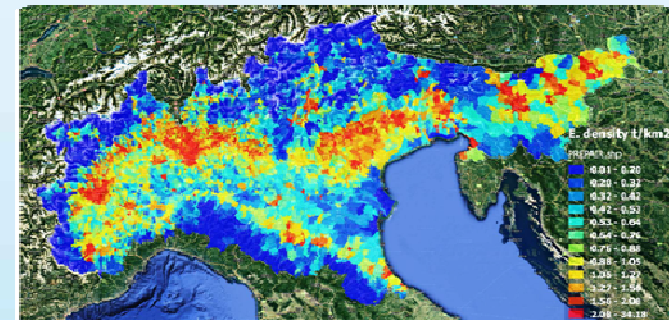


Air quality report 2019, EEA

Primary emissions from domestic heating:

- PM₁₀: 56% (mostly BB)

- high density of population and productive activities
⇒ high pollutant emissions
- unfavourable morphology and meteorology
⇒ high pollutant concentrations (NO₂, PM, O₃)



PM10 emission inventory 2013, PREPAIR project



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The LIFE PREPAIR Integrated Project



- PREPAIR: Po Regions Engaged to Policies of AIR
- 18 partners (Regions + Environmental Agencies + Municipalities)
- LIFE Programme for Environment / Integrated Project
- main objective: supporting the full and coordinated implementation of Air Quality Plans and Po Basin Agreement measures on supra-regional territorial scale for effective air pollution reduction



total budget: 16.805.939 €
 EU co-financing: 9.974.624 €
 complementary funds: > 850 M€



duration: 7 years
 (01.02.2017-31.01.2024)
 time plan: 3 phases (@phase 2)

Approach:

- ⇒ multi-level
- ⇒ multi-sector
- ⇒ multi-pollutant



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Training of domestic biomass system technicians



LIFE PREPAIR - Action C6: “Technical and specialist training for installers and designers of domestic biomass systems”



Coordinating beneficiary: Autonomous Province of Trento - APPA

Target: designers, installers and maintenance technicians of biomass heating systems



Objectives:

- qualification of technical competencies of professionals/technicians for low-emission domestic BB and awareness of impacts on air quality and human health
- reinforcement of their role in promoting sustainable domestic BB among citizens



Expected results:

- realization of a common training format (1 workshop + 4 modules / 4+64 h)
- 80 technicians trained for each partner Region (2018-2022)

Current implementation status:

- 2 course editions @ Province of Trento ⇒ 42+16 participants
- 2 course editions @ Veneto Region ⇒ 12+8 participants
- 1 course edition @ Friuli Venezia Giulia
- strong interest among stakeholders (>135 participants to 1st initial workshop @ Trento)

Training format available in English



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Promotion of chimney sweep professional role



LIFE PREPAIR - Action C7: “Enhancement of the role of the ‘qualified chimney sweep’ for control and maintenance of biomass domestic systems”



Coordinating beneficiary: Autonomous Province of Trento - APPA

Target: chimney sweeps (not yet/already working)

Objectives:

- definition of chimney sweeps demand/supply, regulatory framework, good practices
- definition of ‘qualified chimney sweep’ professional profile, training courses and registry
- promotion of professional chimney cleaning and awareness raising (health & safety)



Expected results:

- realization of a comprehensive survey and definition of a qualification professional profile
- common training format and courses in each partner Region (2019/22)
- establishment of regional public registries of ‘qualified chimney sweeps’
- legislative proposal for ‘qualified chimney sweep’ figure recognition

Current implementation status:

- survey, qualification profile and training format closed
- strong interest among stakeholders and close cooperation

Survey summary
available in English
Profile and format
available in Italian



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Awareness raising on cleaner BB



LIFE PREPAIR - Action E3: "Communication on the use of biomass"



Coordinating beneficiary: Lombardy Region

Target: citizens of Po Basin Regions

Preliminary survey
and shared materials
available in Italian

Objective:

- implementation of a common communication campaign on the impacts of domestic BB on air quality and human health, diffusion of good practices for cleaner and safe residential BB

Expected results:

- preliminary survey on past communication activities
- common communication strategy, tools and materials
- coordinated campaign implementation during wintertimes (2018-2022)

Current implementation status:

- first campaign concluded, second campaign ending in March 2020
- video: 18k+ views on YouTube, 38k+ views on Facebook
- leaflet: 11k printed copies distributed, 4k+ downloads
- brochure: 12k printed copies distributed, 6k+ downloads





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Awareness raising on cleaner BB



LIFE PREPAIR - Action E3: "Communication on the use of biomass"



Other activities:

- articles in local magazines, newsletters, institutional websites, scientific-technical journals ...
- public informative events organized in collaboration with Municipalities and local firefighters, forest management bodies, energy agencies: (9 events + 3 more to come / ~ 400 people)
- "educational pills" on BB good practices and PREPAIR materials distribution at trade fairs and exhibitions (5 events / ~ 200 people)
- specific environmental education activities in primary and secondary schools



Observations:

- community engagement is the key to successful communication
- combining health/environment issues with safety issues (roof thatch fires, carbon monoxide poisoning) is a good strategy
- practical demonstrations of fire ignition methods have remarkable success



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Conclusions

- LIFE PREPAIR project: provides funding and network to support the coordinated implementation of regional/provincial Air Quality Plans and the reduction of air pollution in the Po basin
- activation of training courses for designers, installers and maintainers of domestic biomass systems with the aim of promoting the role of technicians as “first educators of citizens” in spreading cleaner domestic BB
- enhancement of the professional role and activation of training courses for “qualified chimney sweeps” with the aim of promoting the role of chimney sweeps as “first educators of citizens” in spreading cleaner & safer domestic BB
- implementation of a common communication campaign capitalizing on past experiences of partners and engagement of local communities to boost effective dissemination



With the contribution of the LIFE Programme of the European Union

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Thanks for your attention. Any question?

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REGIONE DEL VENETO



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



CITTA' DI TORINO



ART-ER
ATTRATTIVITA
RICERCA
TERRITORIO



Fondazione Lombardia
per l'Ambiente