



With the contribution of
the LIFE programme of the European Union



LIFE MONZA

Methodologies for Noise Low Emission Zones introduction and management

STATE OF ADVANCEMENT OF THE ACTIONS B2,B5,C1

FLORENCE, 16 OCTOBER 2018

Partner:



LIFE MONZA - Methodologies for Noise Low Emission Zones introduction and management

DESCRIPTION OF ACTIONS

Action B1

TOP-DOWN actions planning in the pilot area (Monza)

B1.1 Noise LEZ formal definition, introduction and establishment. Public tender for top-down intervention realization – MONZA

B1.2 Interventions detail design - VIENROSE

B1.1



- ✓ Asphalting work :
Start date 17/09/18 – End date 22/09/18
Horizontal signage in progress.
- ✓ Traffic limitation
(Municipal council resolution n. 223/2018)
 - Heavy vehicles > 3.5 t (September 2018 – March 2019).
 - Heavy vehicles > 7.5 t (March 2019 – June 2020).

B1.2



- ✓ Executive design of the asphaltting of Libertà avenue.



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DESCRIPTION OF ACTIONS

Azione B2

BOTTOM - UP actions planning in the pilot area and public and stakeholders information and participation (MONZA)

B2.1 Stakeholders/public participation in bottom-up actions proposal and management

B2.1.1 Public involvement, meetings organization, ideas contest: MONZA

B2.1.2 Public involvement: health aspects: UNIFI

B2.1.3 Public involvement: environmental aspect: VIENROSE

B2.2 Bottom-up actions detail design and App realization-MONZA

B2.3 People involvement: use cases identification and App design to manage public participation-UNIFI.

B2.1.2



1st sending questionnaire:
about 600 - February 2018
2^o sending questionnaire:
**Ongoing for people who haven't answered
to the 1st sending**

B2.1.3



Pedibus
Study-work experience
Carlo Porta Institute
INAD (International Noise
Awareness Day)



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Azione B4 **Pilot area actions implementation (MONZA)**

B4.1 Top-down interventions implementation - MONZA

B4.2 Bottom-up interventions implementation and management: public meetings organization and monitoring of the public involvement - MONZA

B4.3 Support on bottom-up actions implementation (App management) - UNIFI

B4.4 Support on bottom-up actions implementation (school meetings, training activities on noise and other pollutants effects) - Vie en.ro.se. Ingegneria

B4.1 → Pedestrian crossings already made.
Resurfacing of the Libertà avenue- Works realized at september 2018.

B4.2 → Meeting with citizens

B4.3 → The App is still in definition (B2.2-B2.3). Public involvement was foreseed in may-june 2018 with the presentation of possible services and the request of eventually additional proposals through municipal website.

B4.4 → Training/ information meetings, ideas competition, study/work experience.



Action B4 Pilot area actions implementation (MONZA)

B4.4 Support on bottom-up actions implementation

IDEAS COMPETITION



There are several signals indicate silence, for example sound logo inside the “i” point of Life word and the face doing motioned for silence.

The writing “Monza e quartiere Libertà” was rotated, creating circles to the external, such as soundwaves.

The chosen colors are the green (grass), the brown (trunk of the tree) and dark grey (sound absorbing asphalt).

The message is: we live together, in quite, in equilibrate district between nature and urban contests.

Change is possible but we must respect the world we have around us.

INTERRUPT THE FRACTION, FEEL YOUR LIFE



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DESCRIPTION OF ACTIONS



Action B5 **Monitoring and data collection for impact assessment (VIENROSE)**

B5.1 Smart continuous monitoring by prototype system on noise and system's check - UNIFI

B5.2 Noise and Traffic ex ante /ex post monitoring - VIENROSE

B5.3 Air quality ex ante /ex post monitoring - ISPRA

B5.4 Health ex ante/ex post monitoring - UNIFI

B5.5 Bottom up actions: ex ante/ex post people participation - MONZA

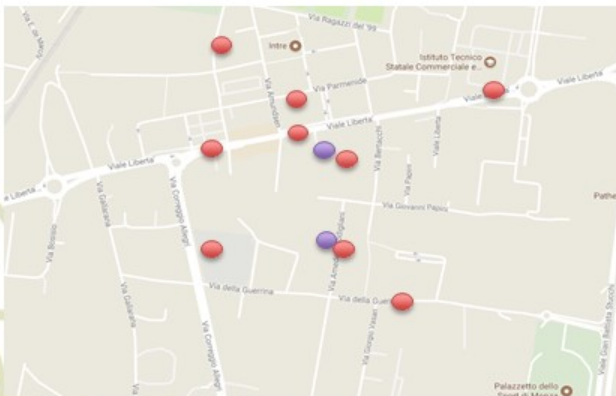
B5.6 Air quality modeling - ISPRA

B5.7 Intermediate assessment and Top down /bottom up overall data collection and systematization - VIENROSE



Action B5 Monitoring and data collection for impact assessment (VIENROSE)

In the week from 15 to 23 May 2017, continuous noise and traffic monitoring was carried out in two fixed positions, in addition to spot measurements in 10 mobile positions made at different time intervals. The monitoring of the following week was carried out from 20 to 27 November, repeating both weekly measurements in two fixed positions and those in 10 moving positions (Spot).



Pilot area

- **Long time monitoring:**
phonometric monitoring and counting of traffic flows of weekly duration in two positions.
- **Short time monitoring (SPOT):**
phonometric monitoring and counting of traffic flows of short time (1 hour) in 10 mobile positions

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DESCRIPTION OF ACTIONS



Action C.1 Monitoring of the impact of the project actions (UNIFI)

TYPOLOGY	DESCRIPTION	PARAMETER	UNIT
NOISE	Average value on the noise LEZ area	Lden	dB(A)
	Average value on the Viale Libertà buffer (30 m)	Lden	dB(A)
	Average value on the Viale Libertà buffer (30 m)	Ld	dB(A)
	Average value on the Viale Libertà 30 m buffer	Ln	dB(A)
	% of people exposed to Lden values > 65 dB(A) in the noise LEZ area	%	/
	% of people exposed to Ln values > 55 dB(A) in the noise LEZ area	%	/
	% of people exposed to Lden values > 65 dB(A) in the Viale Libertà 30 m buffer	%	/
AIR QUALITY	% of people exposed to Ln values > 55 dB(A) in the Viale Libertà 30 m buffer	%	/
	Particular matter	PM10	µg/m³
	Particular matter	PM2.5	µg/m³
	Other air pollutants	NO ₂	µg/m³
SOCIO-ECONOMIC	Greenhouse gas emissions	CO ₂	metric tons/year
	Commercial Activities	N° of commercial activities in the noise LEZ	/
	People employed in commercial activities	N° of people employed in the noise LEZ	/
	Services activities	N° of services activities in the noise LEZ	/
	People employed in services activities	N° of people employed in the noise LEZ	/
CLIMATE	Areas potentially affected by climate change covered by adaptation measures	/	km²