

COMMITTENTE:



ALTA SORVEGLIANZA:



GENERAL CONTRACTOR:



**INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA
LEGGE OBIETTIVO N. 443/01**

**TRATTA A.V. /A.C. TERZO VALICO DEI GIOVI
PROGETTO DEFINITIVO**

**INTERCONNESSIONE DI NOVI LIGURE ALTERNATIVA ALLO SHUNT
QUADRO AMBIENTALE**

Allegato specialistico

Rumore - allegato 1 - Tavole grafiche - Vol. 3

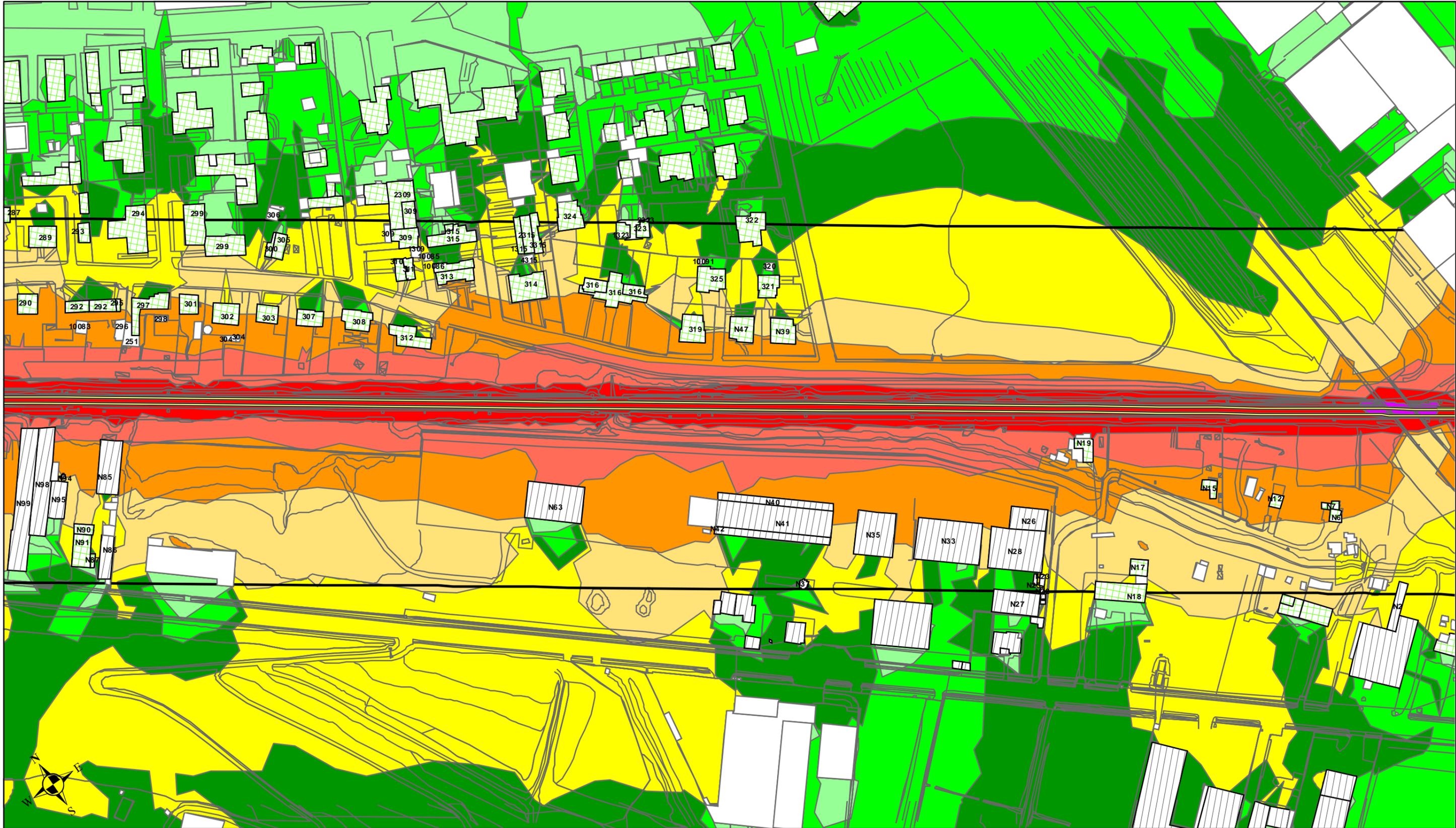
GENERAL CONTRACTOR	DIRETTORE DEI LAVORI
Consorzio Cociv Ing. E. Pagani	

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
A 3 0 1	0 X	D	S D	R G	I M 0 0 0 0	0 0 7	A

Progettazione :								IL PROGETTISTA
Rev	Descrizione	Redatto	Data	Verificato	Data	Progettista Integratore	Data	
A00	Prima emissione	SPA	29/07/16	COCIV	01/08/16	A. Mancarella	01/08/16	 Dott. Ing. A. Mancarella Ordine Ingegneri Prov. TO n. 6271 R

GENERAL CONTRACTOR 	ALTA SORVEGLIANZA 
	A301-0X-D-CV-SD-IM00-00-007-A00 Acustica

ALG_21 - Mappatura clima acustico ferroviario - Area urbana di Novi Ligure - Periodo Diurno Leq(6-22)

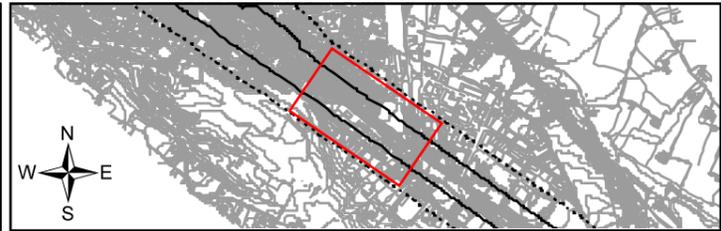


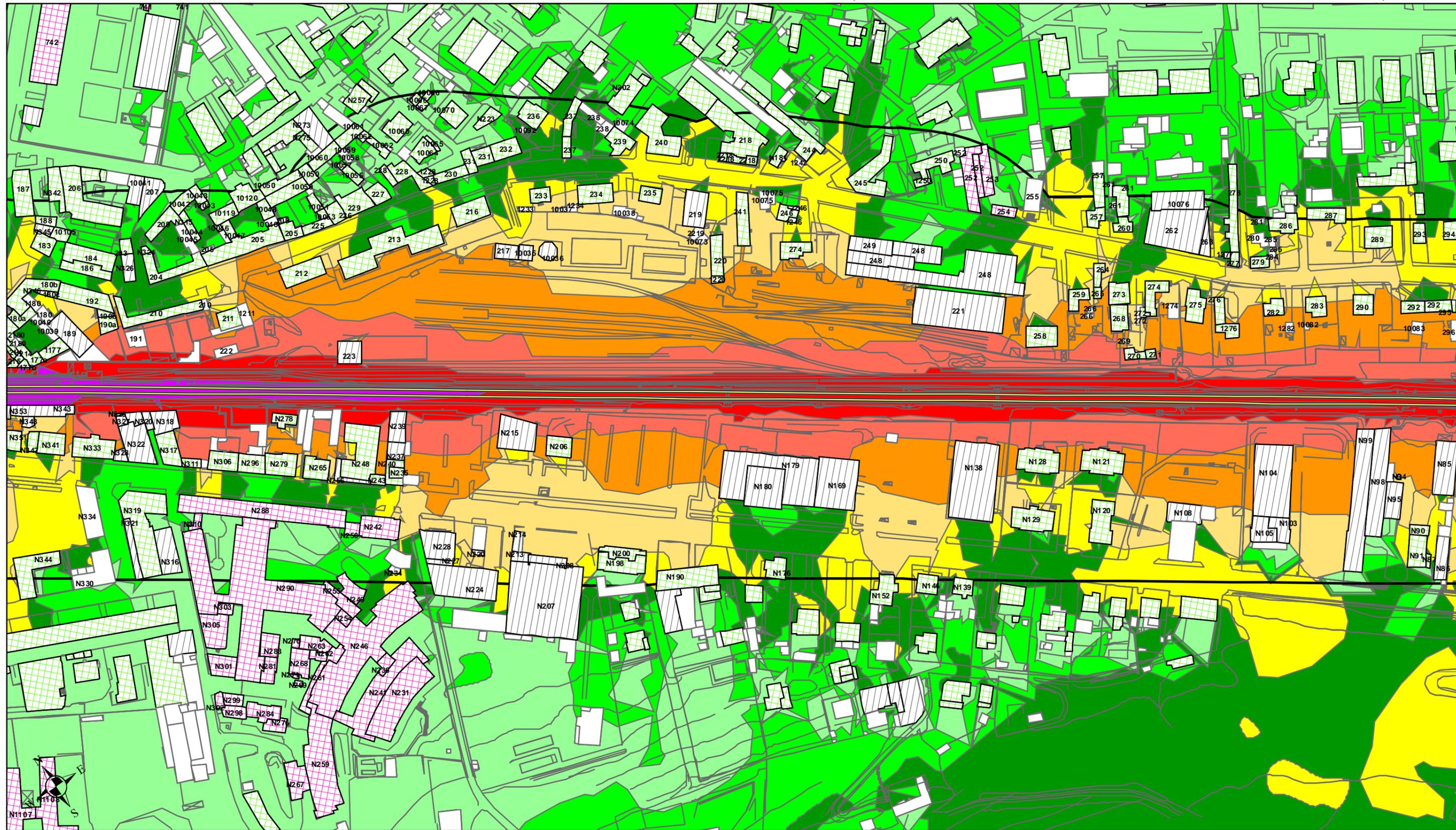
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



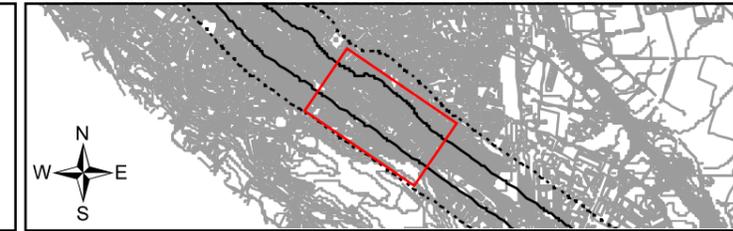


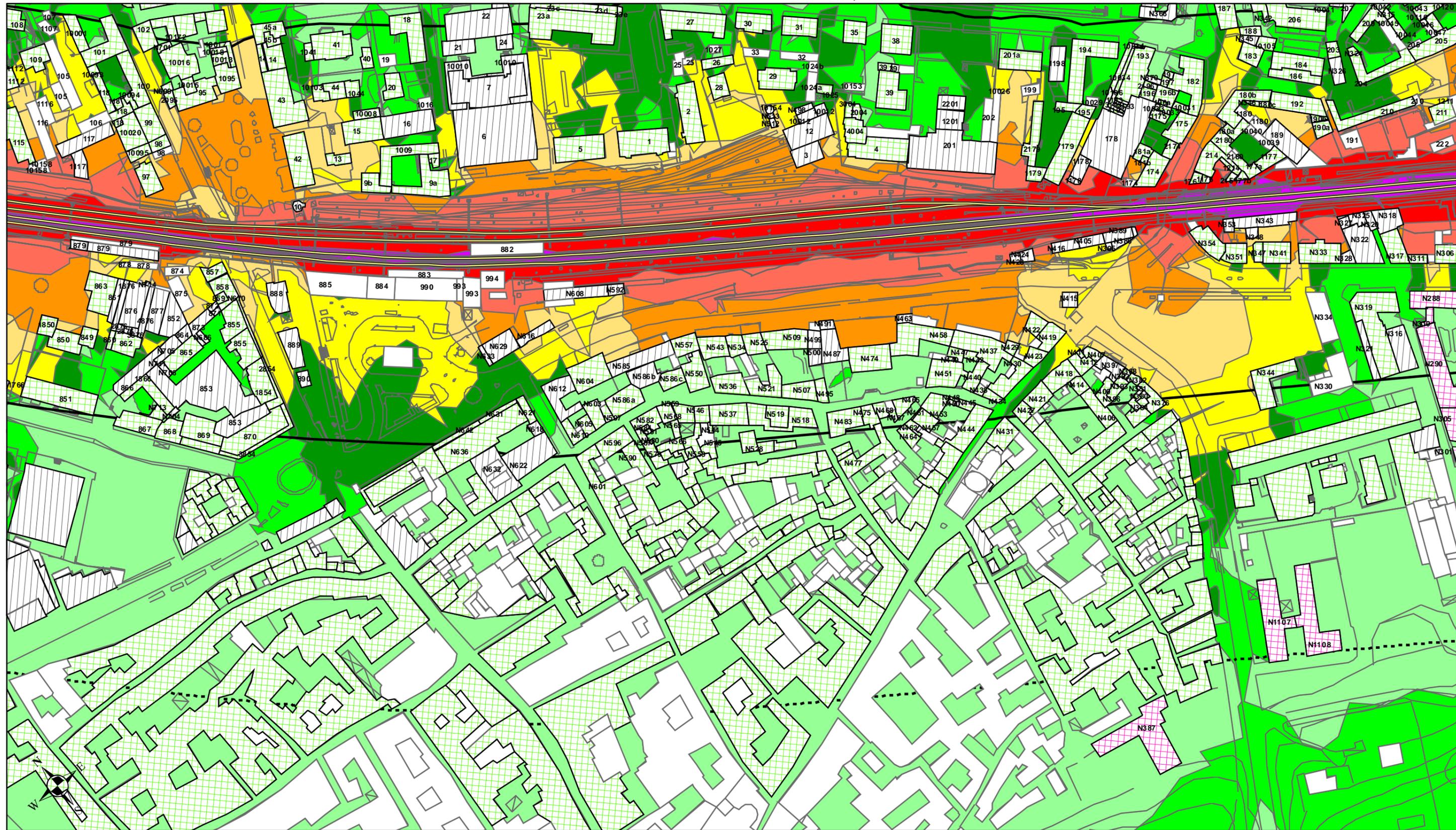
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |

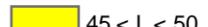
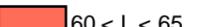
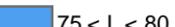
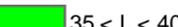
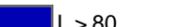
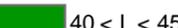
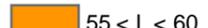
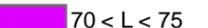


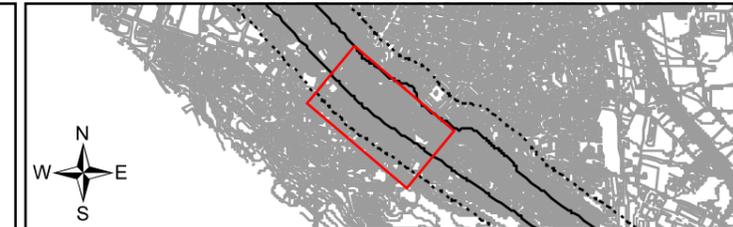


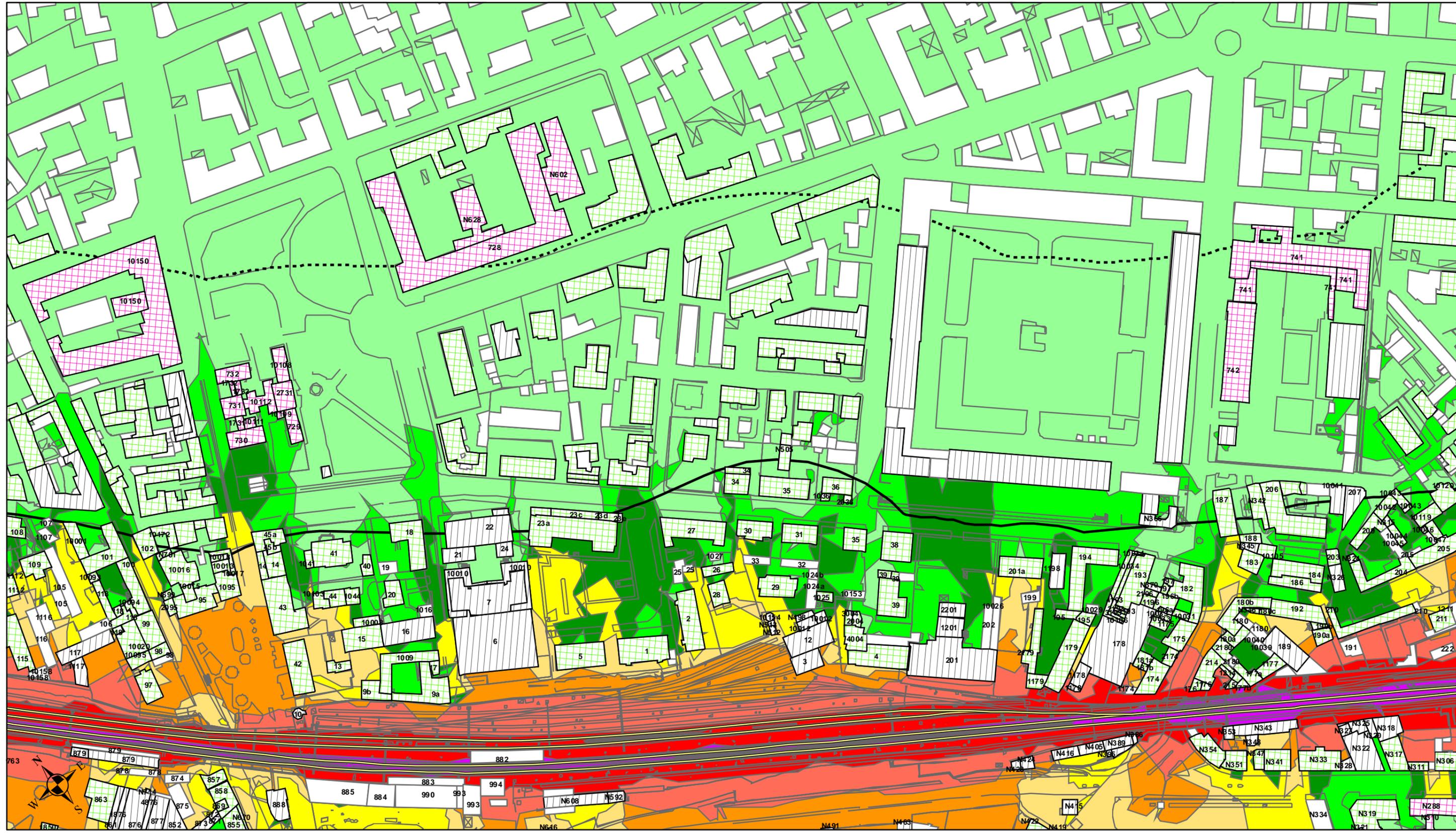
TEMATISMI DI BASE

-  Sorgenti di rumore ferroviario
-  Edifici sensibili
-  Fascia A 100 m (DPR 459/98)
-  Edifici industriali commerciali e terziario
-  Edifici residenziali
-  Altri edifici
-  Fascia B 250 m (DPR 459/98)

LIVELLI DI RUMORE IN dBA

- | | | | |
|---|--|---|---|
|  L < 35 |  45 < L < 50 |  60 < L < 65 |  75 < L < 80 |
|  35 < L < 40 |  50 < L < 55 |  65 < L < 70 |  L > 80 |
|  40 < L < 45 |  55 < L < 60 |  70 < L < 75 | |



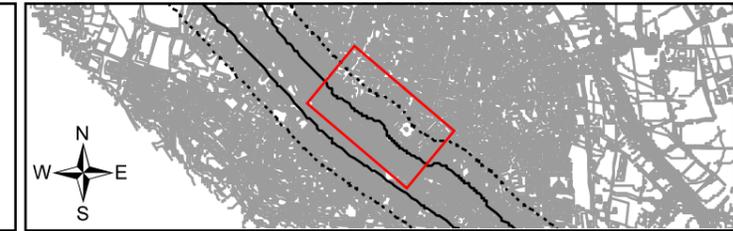


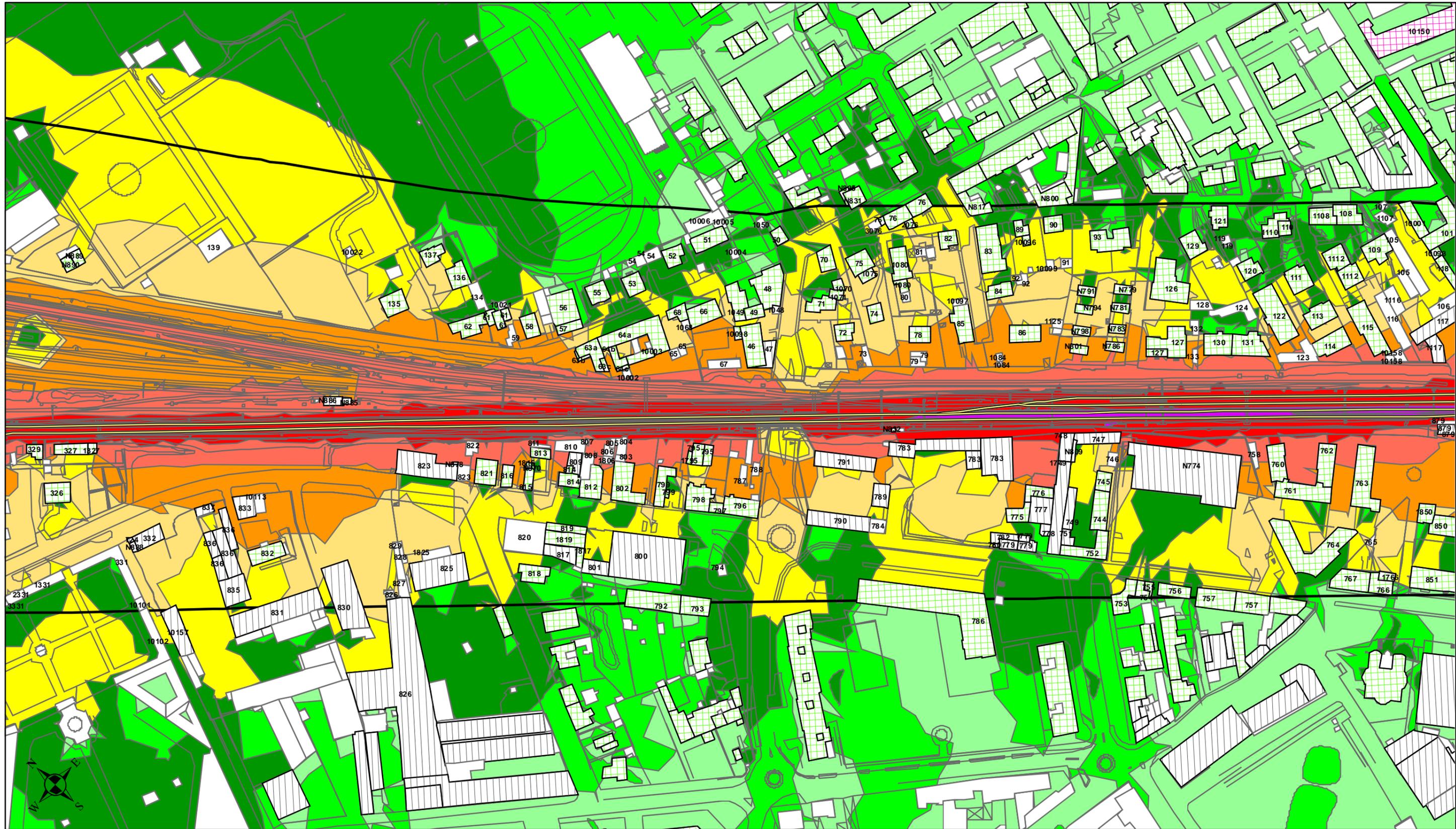
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Edifici sensibili
- Edifici residenziali
- Fascia A 100 m (DPR 459/98)
- Edifici industriali commerciali e terziario
- Altri edifici
- Fascia B 250 m (DPR 459/98)

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |

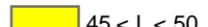
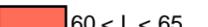
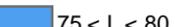
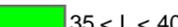
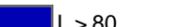
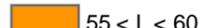
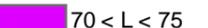




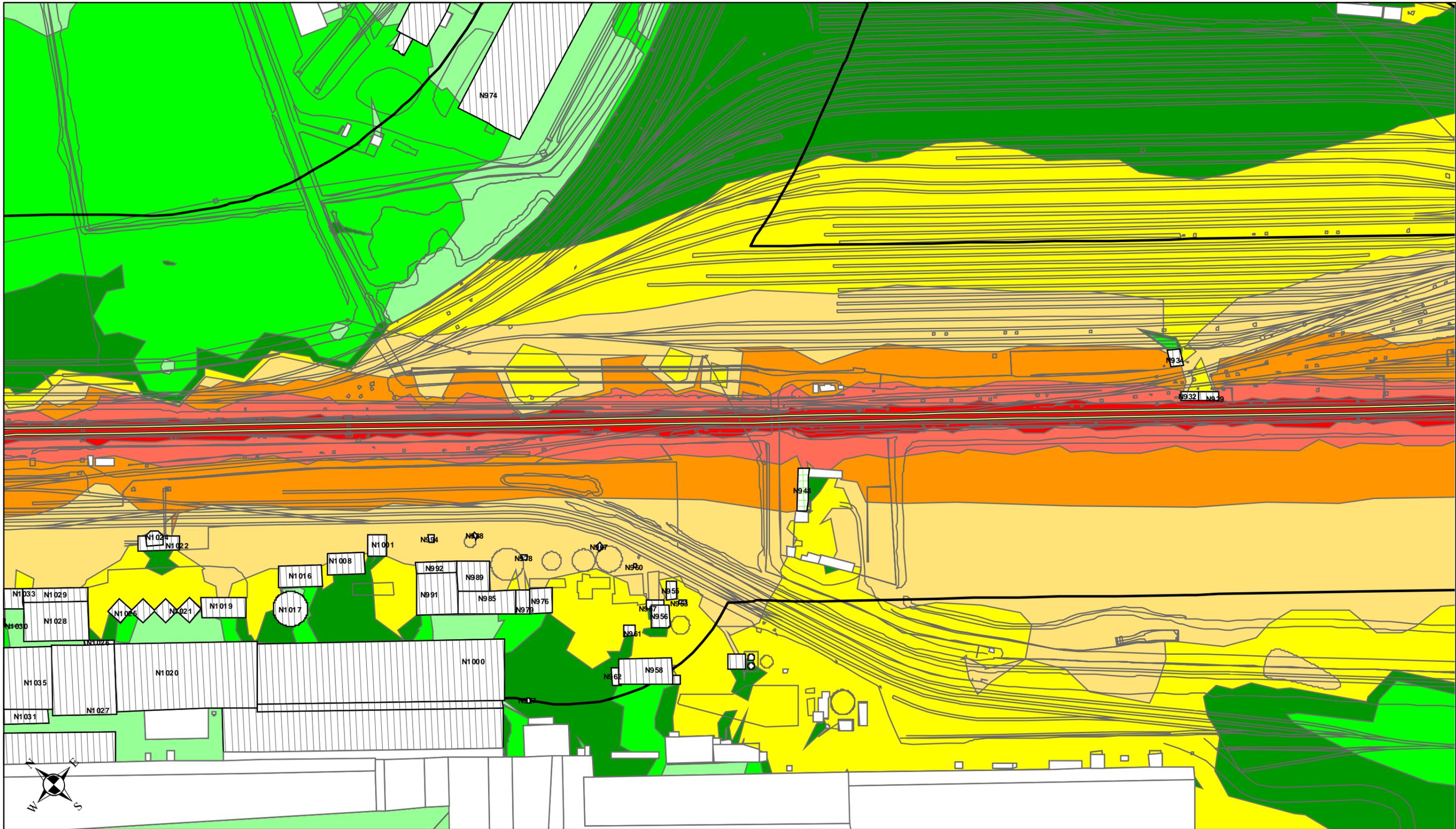
TEMATISMI DI BASE

-  Sorgenti di rumore ferroviario
-  Fascia A 100 m (DPR 459/98)
-  Fascia B 250 m (DPR 459/98)
-  Edifici residenziali
-  Edifici sensibili
-  Edifici industriali commerciali e terziario
-  Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|---|--|---|---|
|  L < 35 |  45 < L < 50 |  60 < L < 65 |  75 < L < 80 |
|  35 < L < 40 |  50 < L < 55 |  65 < L < 70 |  L > 80 |
|  40 < L < 45 |  55 < L < 60 |  70 < L < 75 | |



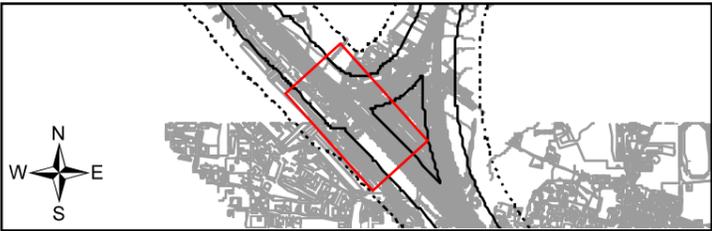


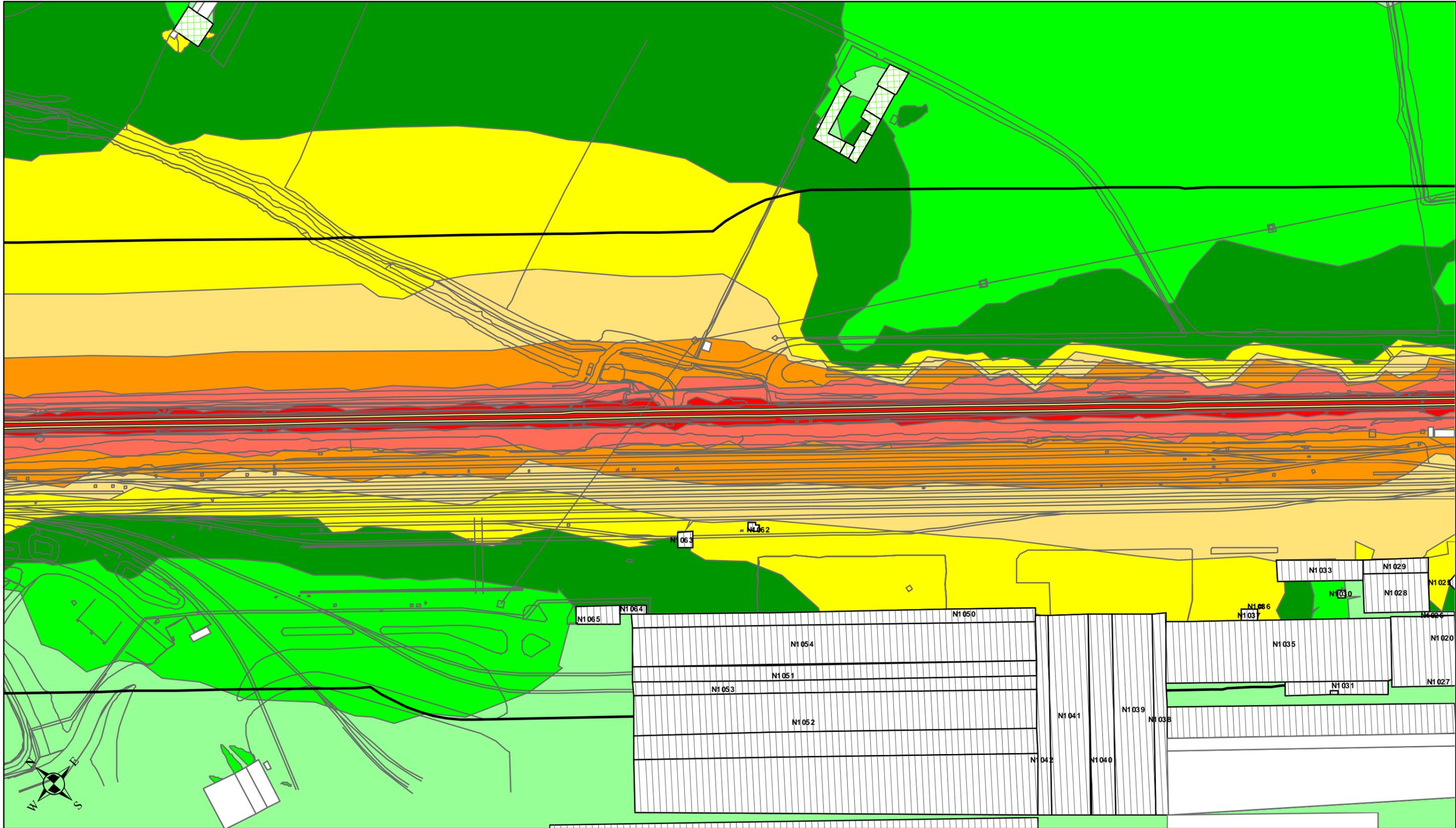
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



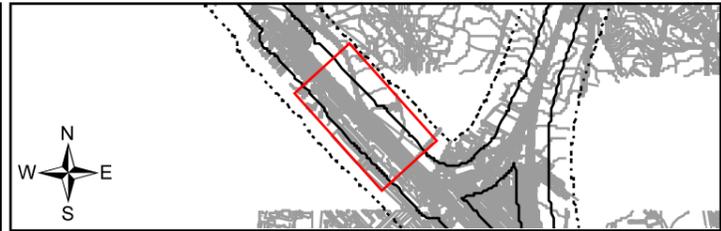


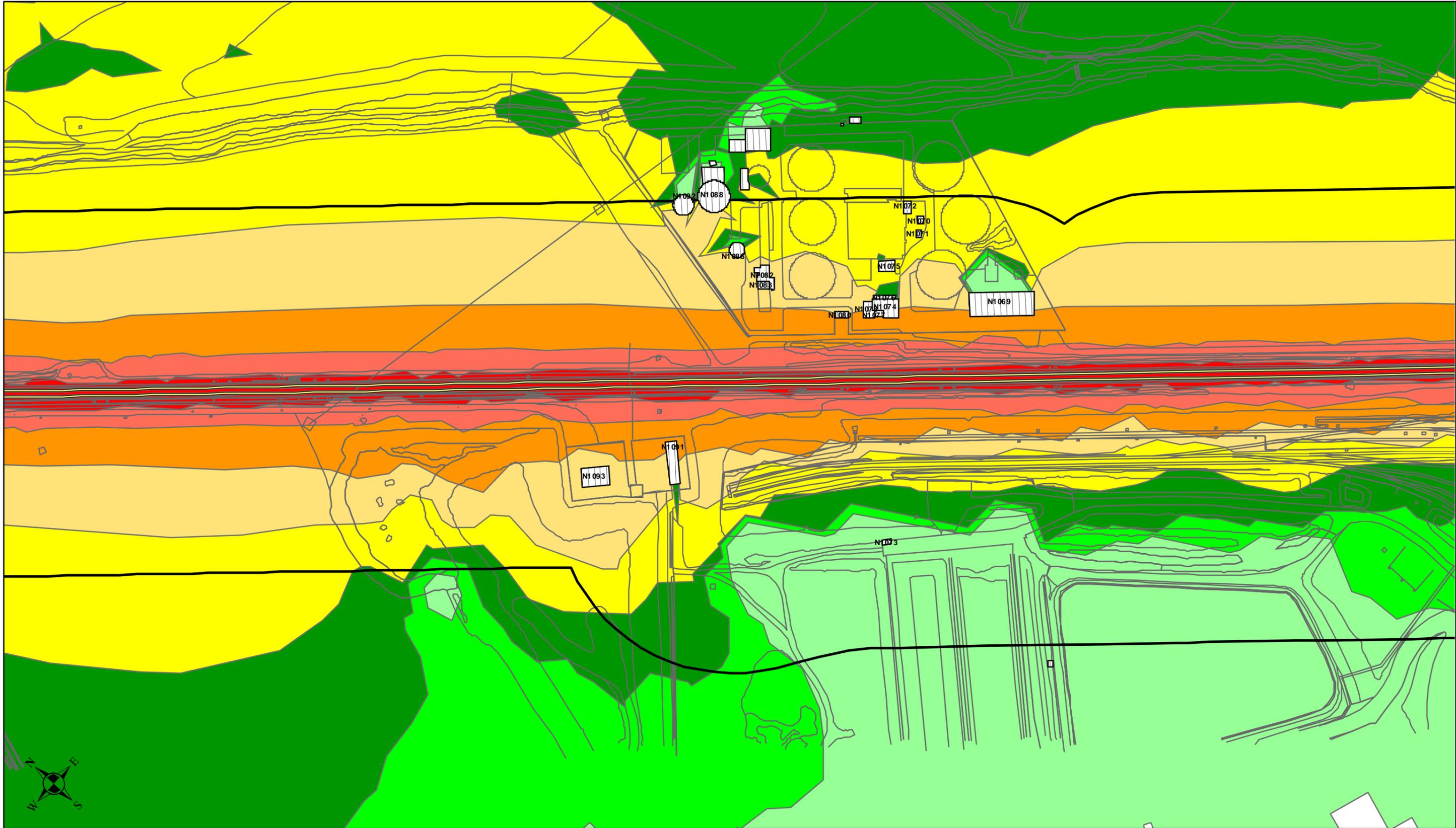
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



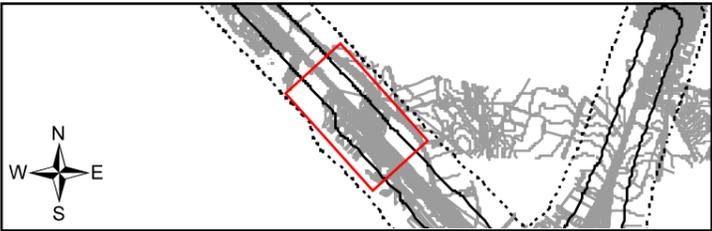


TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

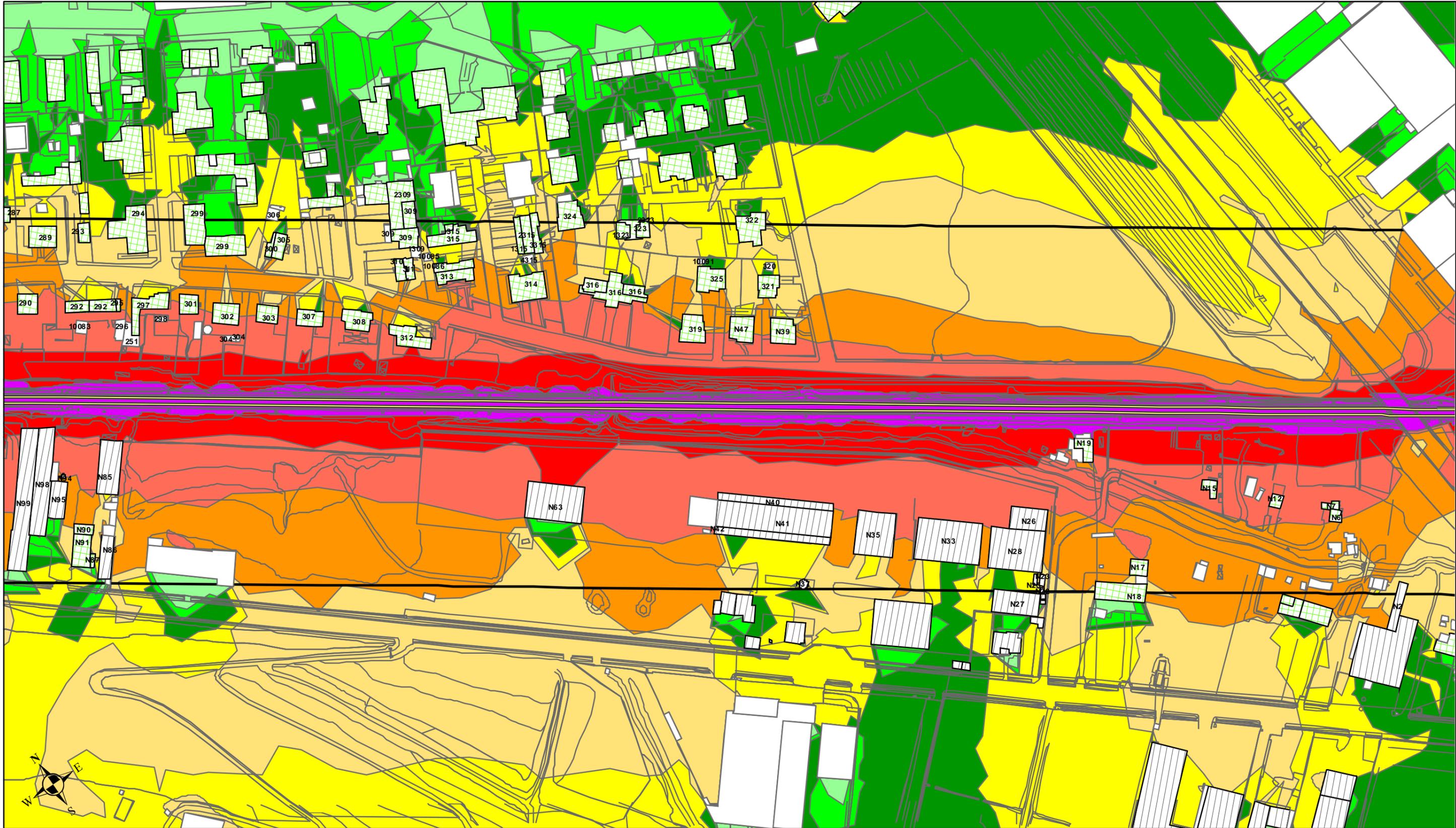
LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



GENERAL CONTRACTOR  Consorzio Collegamenti Integrati Veloci	ALTA SORVEGLIANZA  ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE
	A301-0X-D-CV-SD-IM00-00-007-A00 Acustica

ALG_22 - Mappatura clima acustico ferroviario - Area urbana di Novi Ligure - Notturmo Leq(22-6)

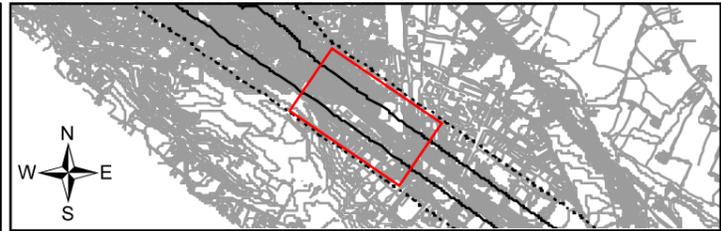


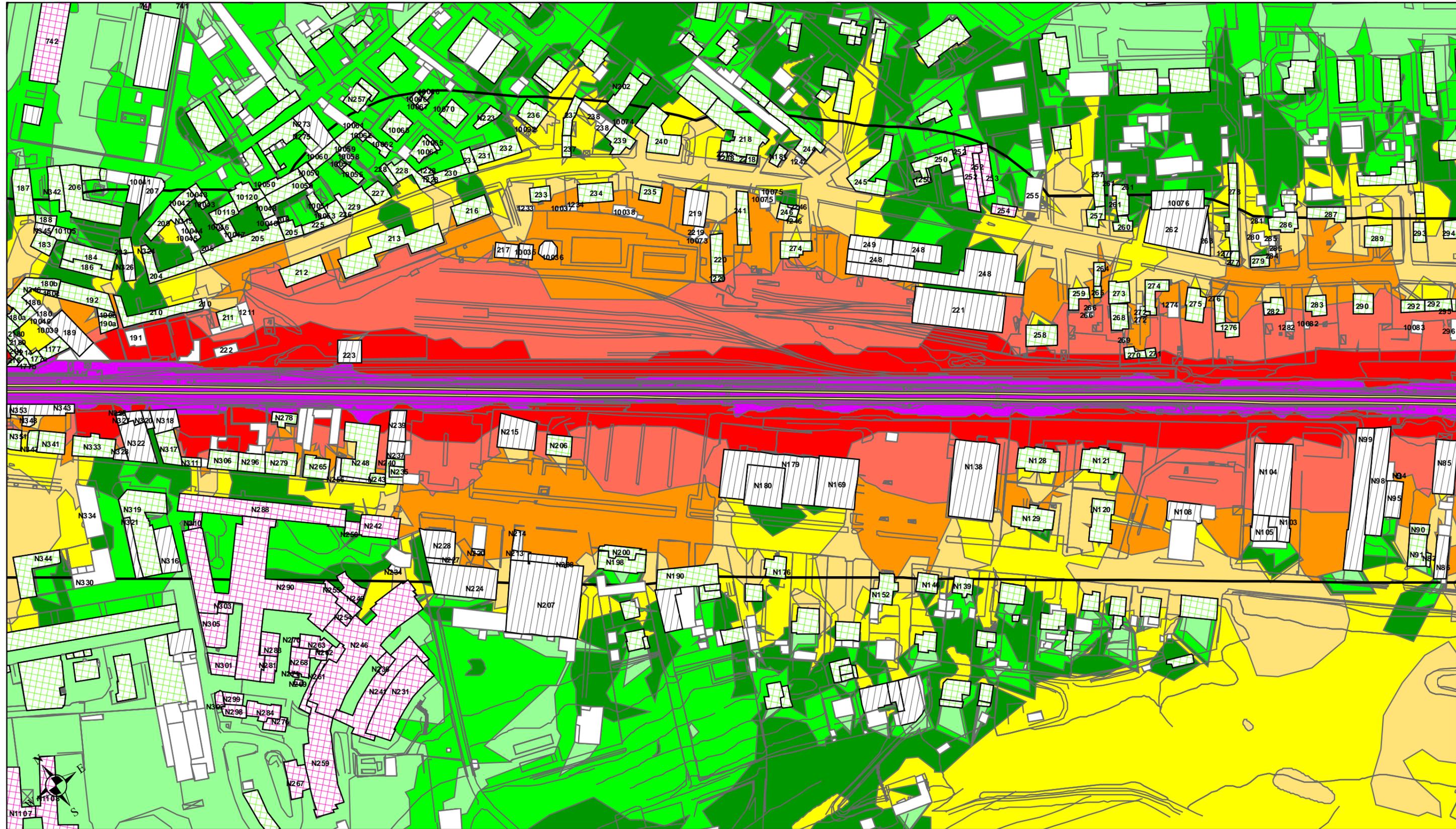
TEMATISMI DI BASE

- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici
- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



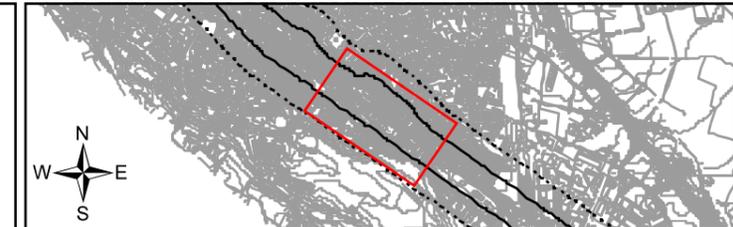


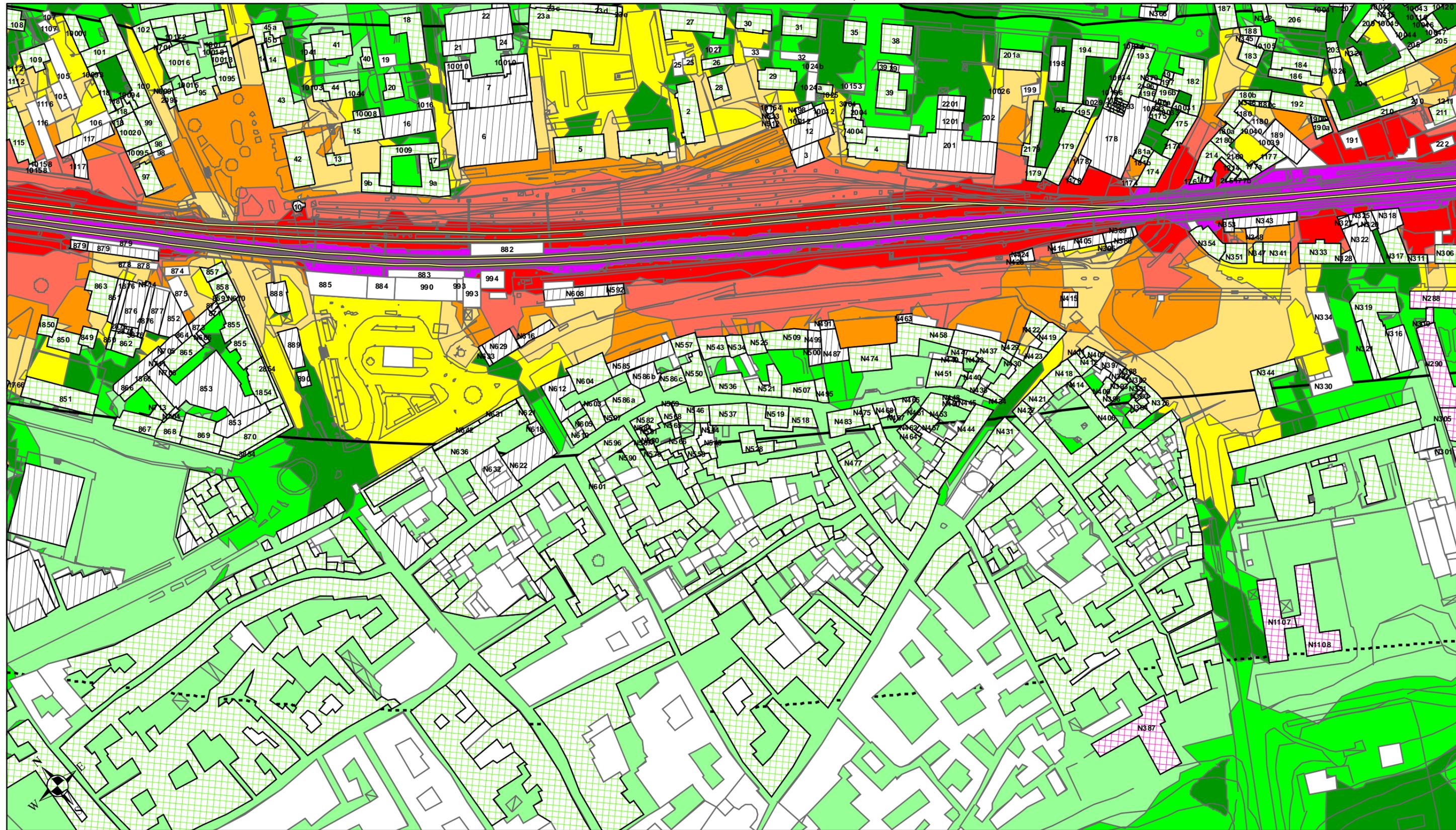
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |



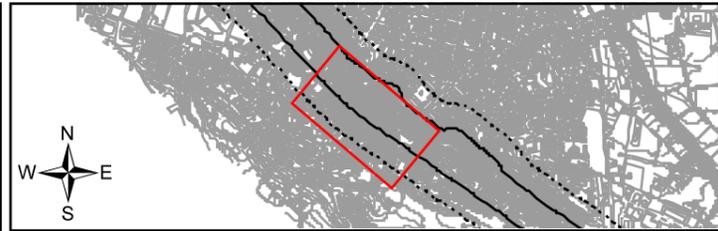


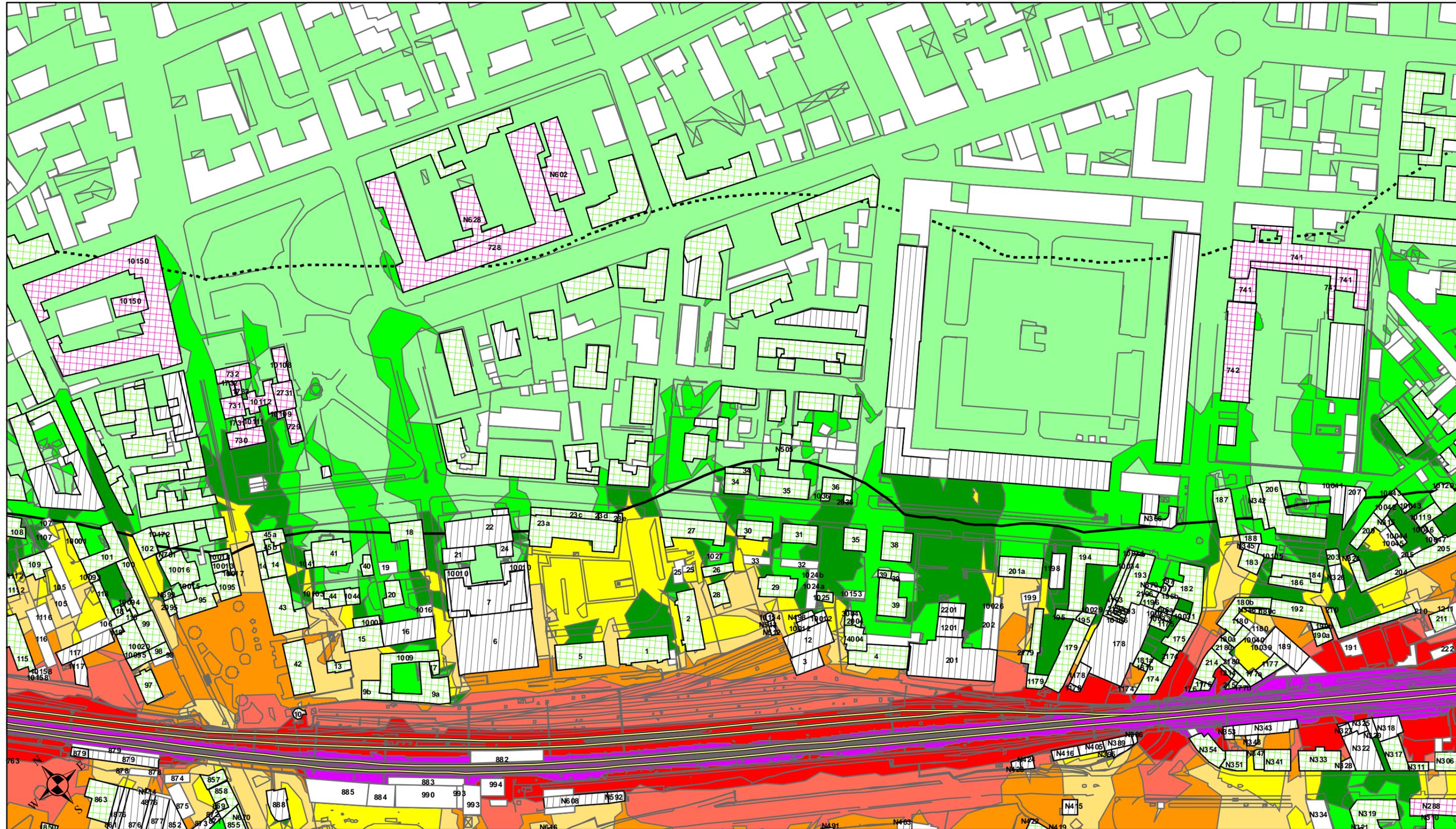
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | | |
|-------------|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 55 < L < 60 | 65 < L < 70 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 60 < L < 65 | 70 < L < 75 | L > 80 |



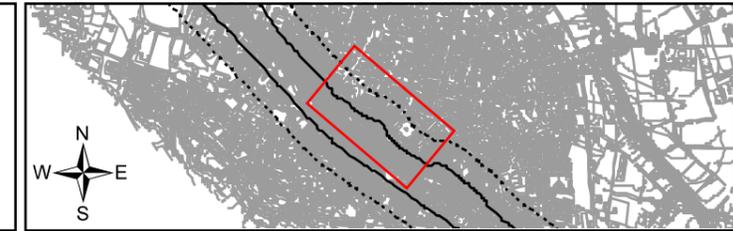


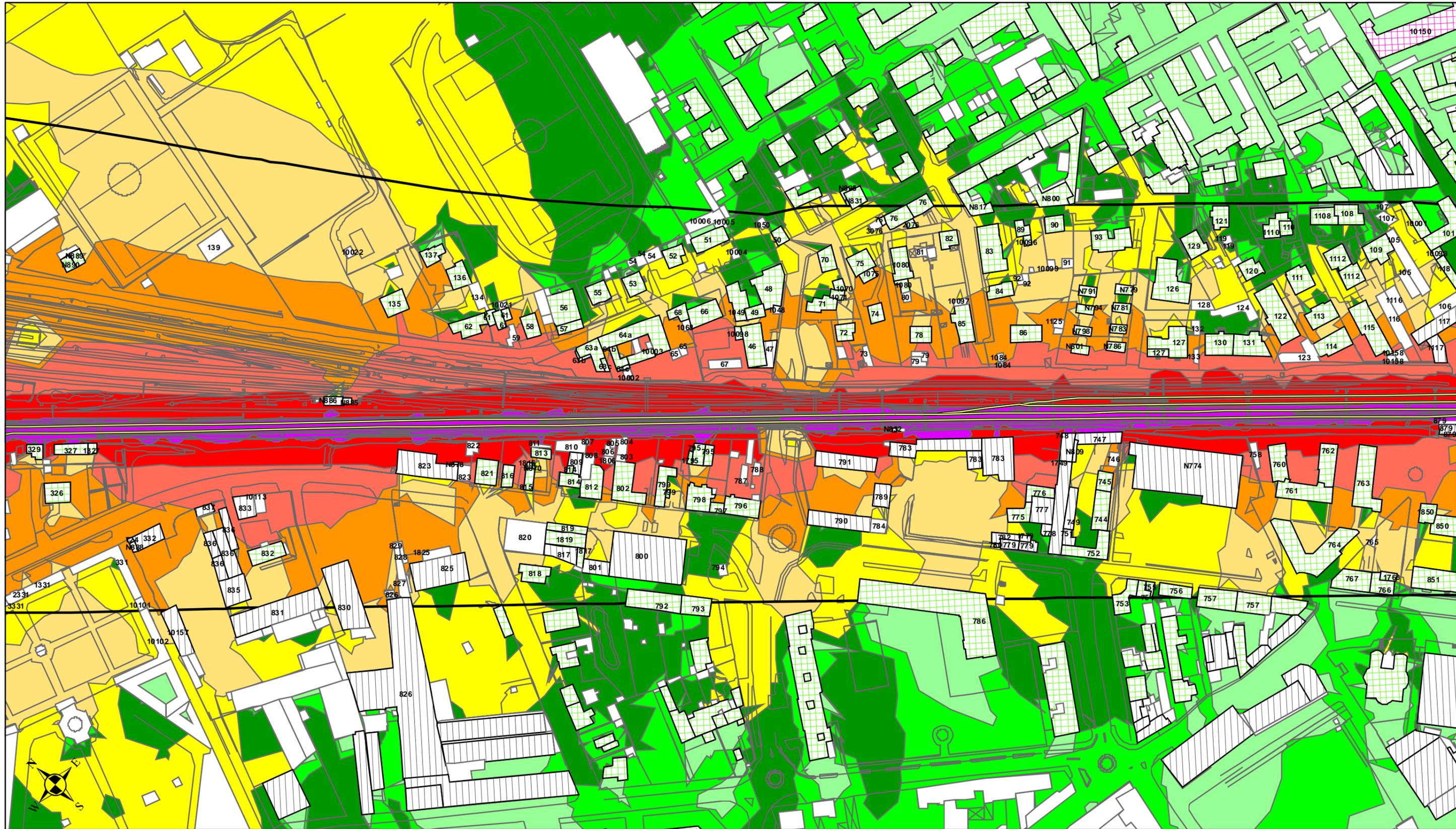
TEMATISMI DI BASE

- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici
- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |

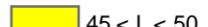
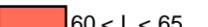
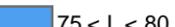
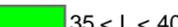
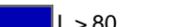
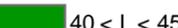
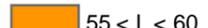
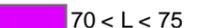




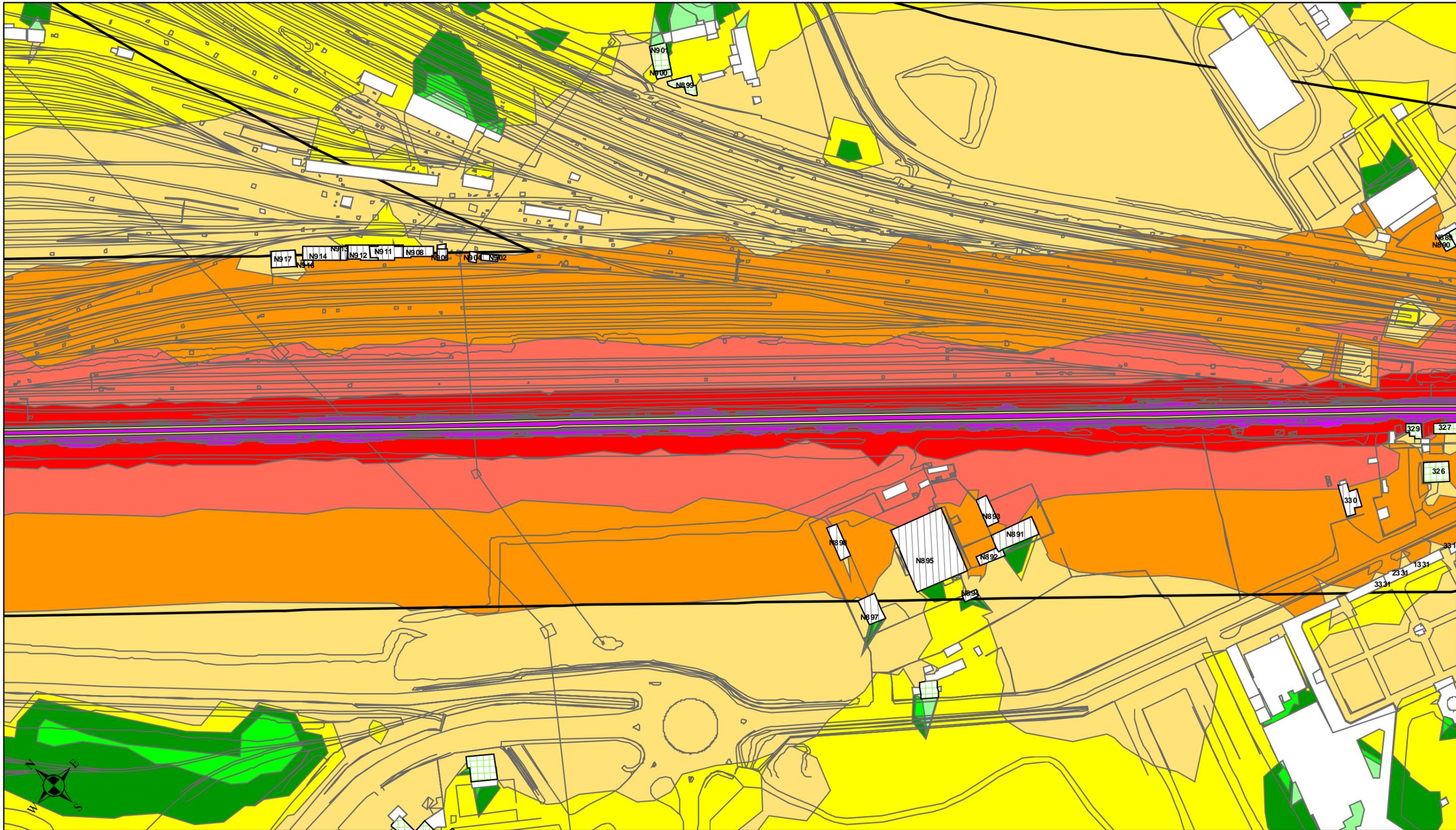
TEMATISMI DI BASE

-  Sorgenti di rumore ferroviario
-  Fascia A 100 m (DPR 459/98)
-  Fascia B 250 m (DPR 459/98)
-  Edifici residenziali
-  Edifici sensibili
-  Edifici industriali commerciali e terziario
-  Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|---|--|---|---|
|  L < 35 |  45 < L < 50 |  60 < L < 65 |  75 < L < 80 |
|  35 < L < 40 |  50 < L < 55 |  65 < L < 70 |  L > 80 |
|  40 < L < 45 |  55 < L < 60 |  70 < L < 75 | |



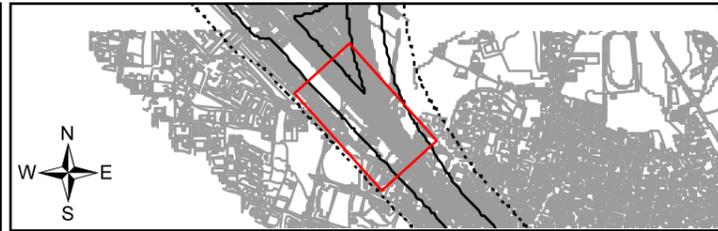


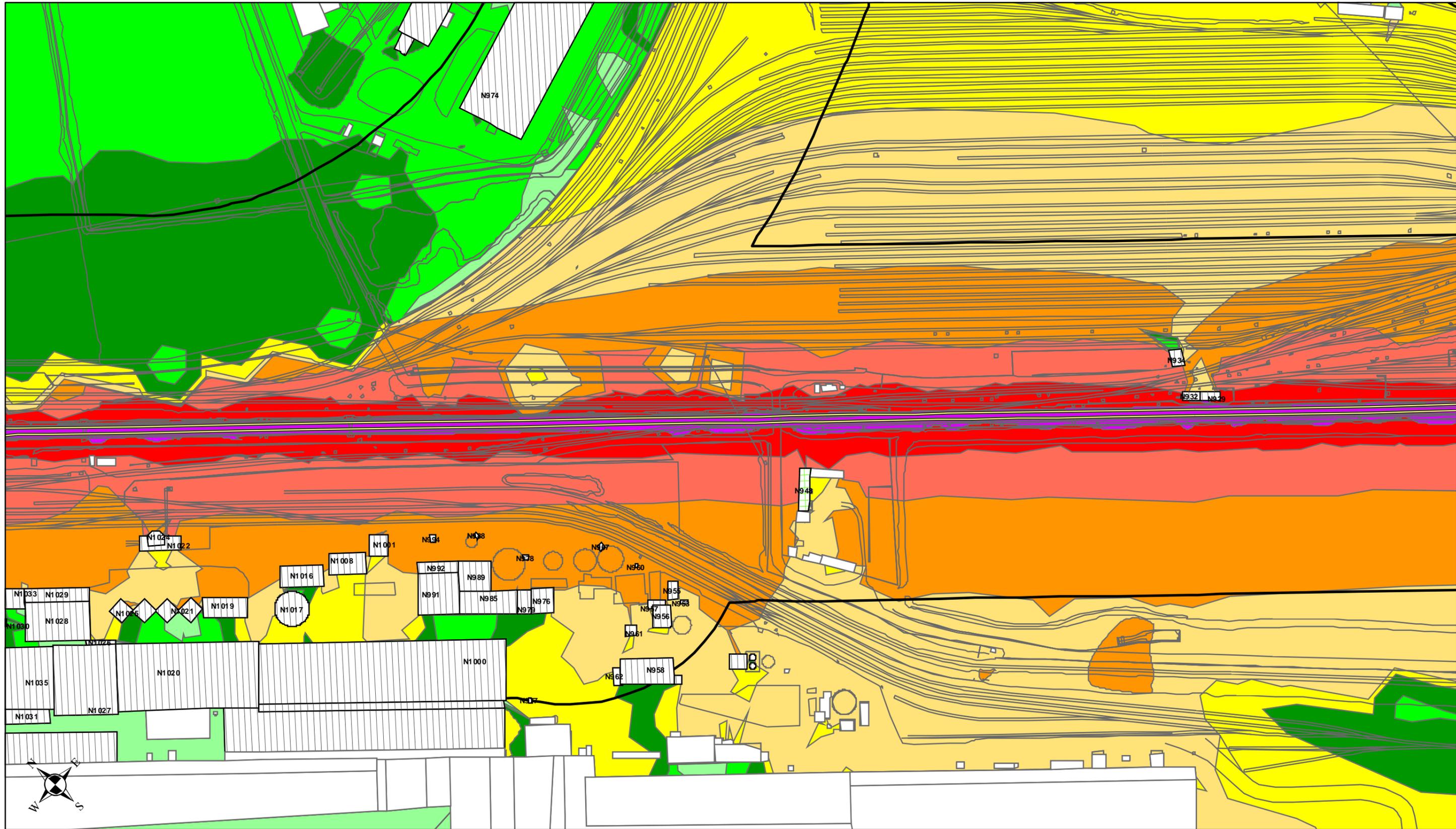
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Altri edifici
- Edifici industriali commerciali e terziario

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



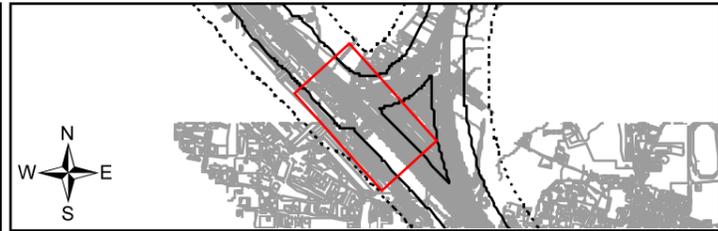


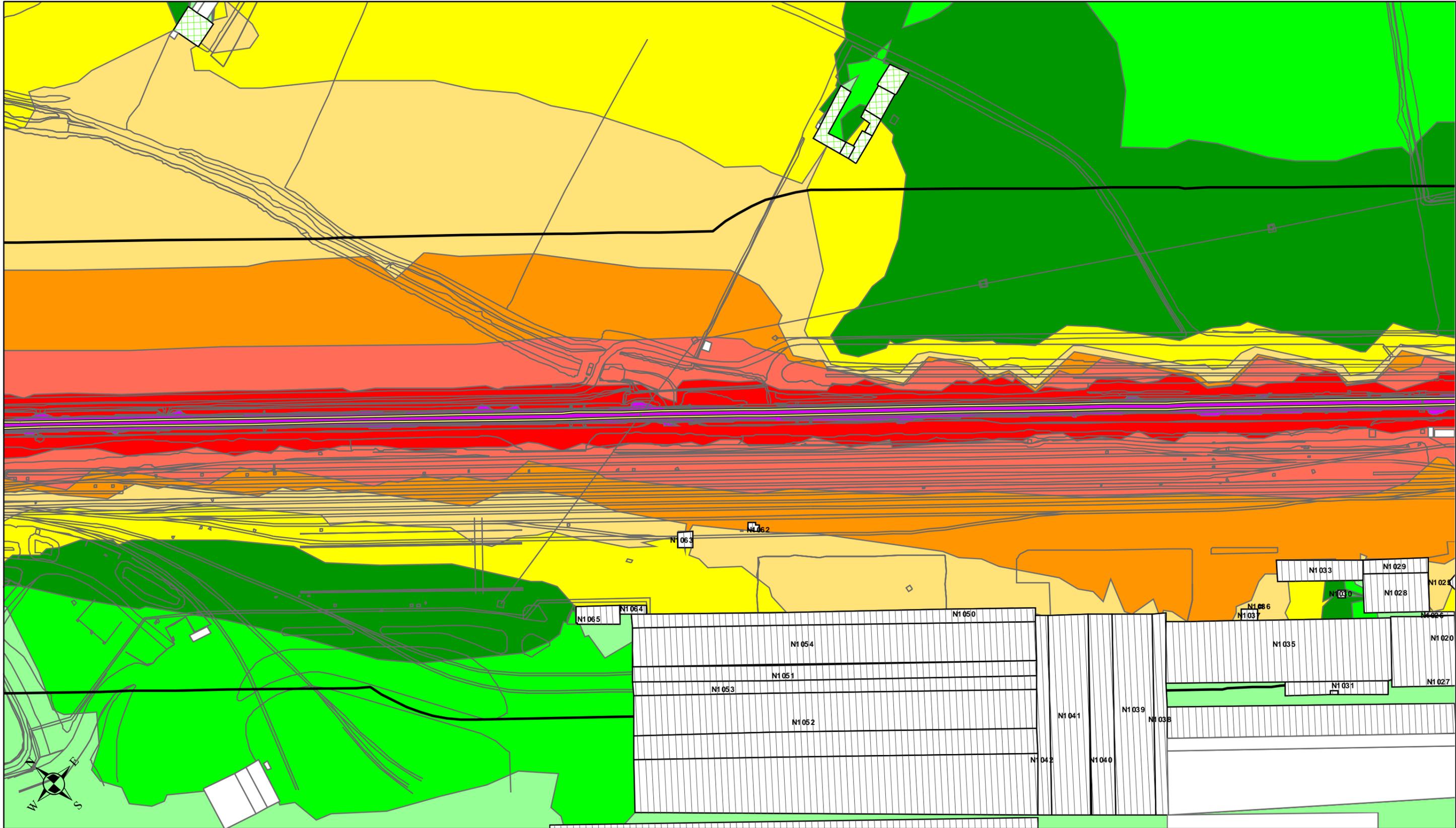
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |



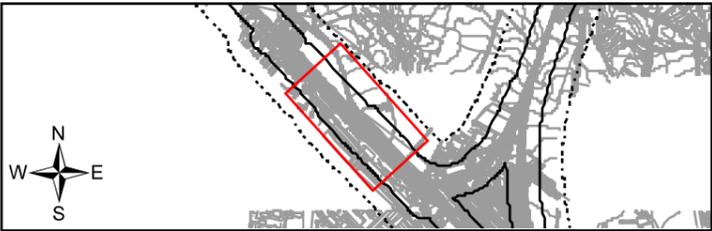


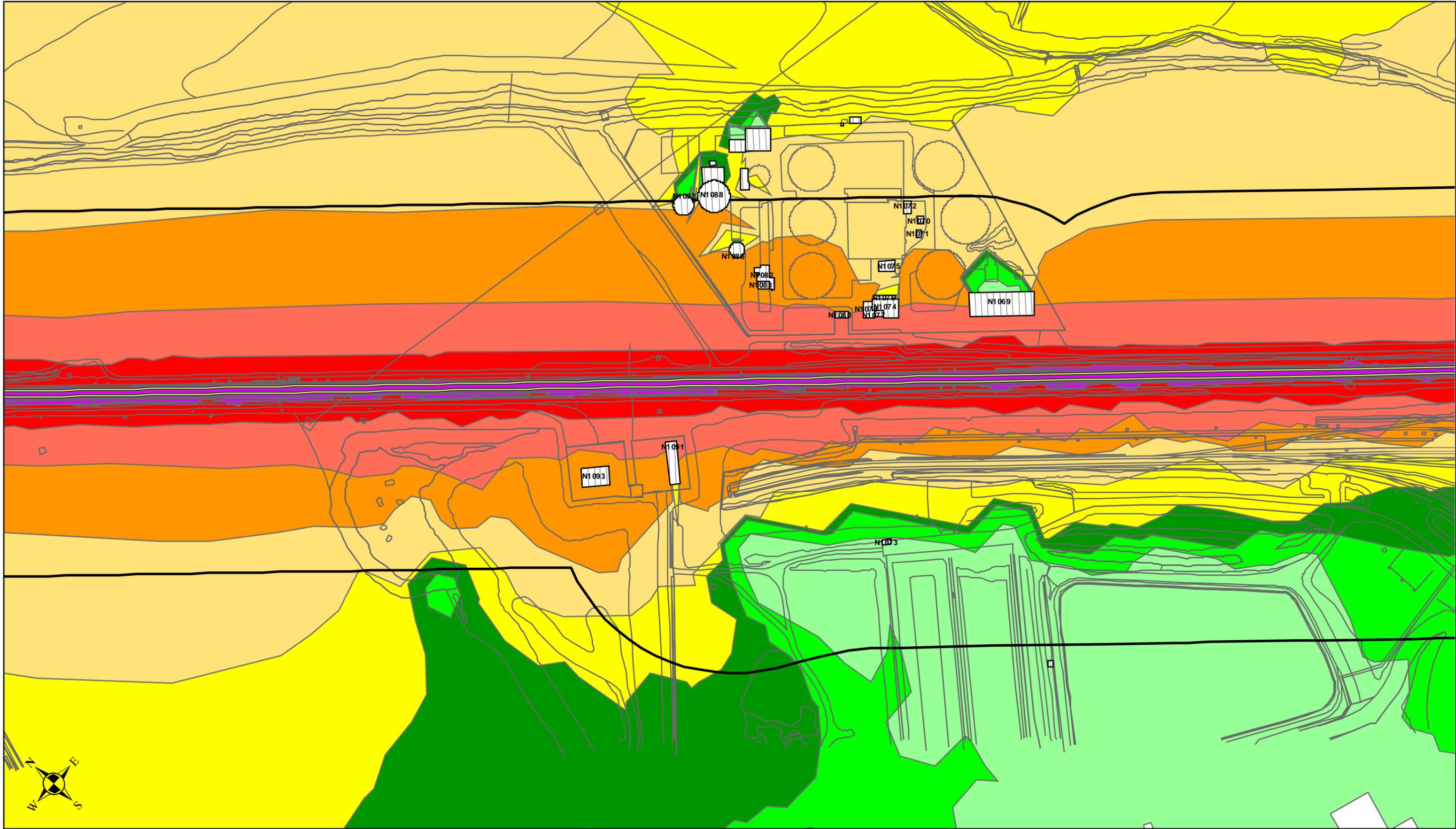
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



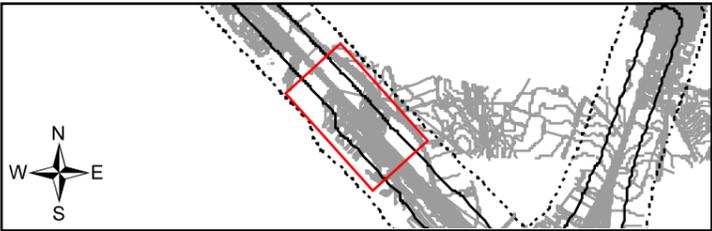


TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

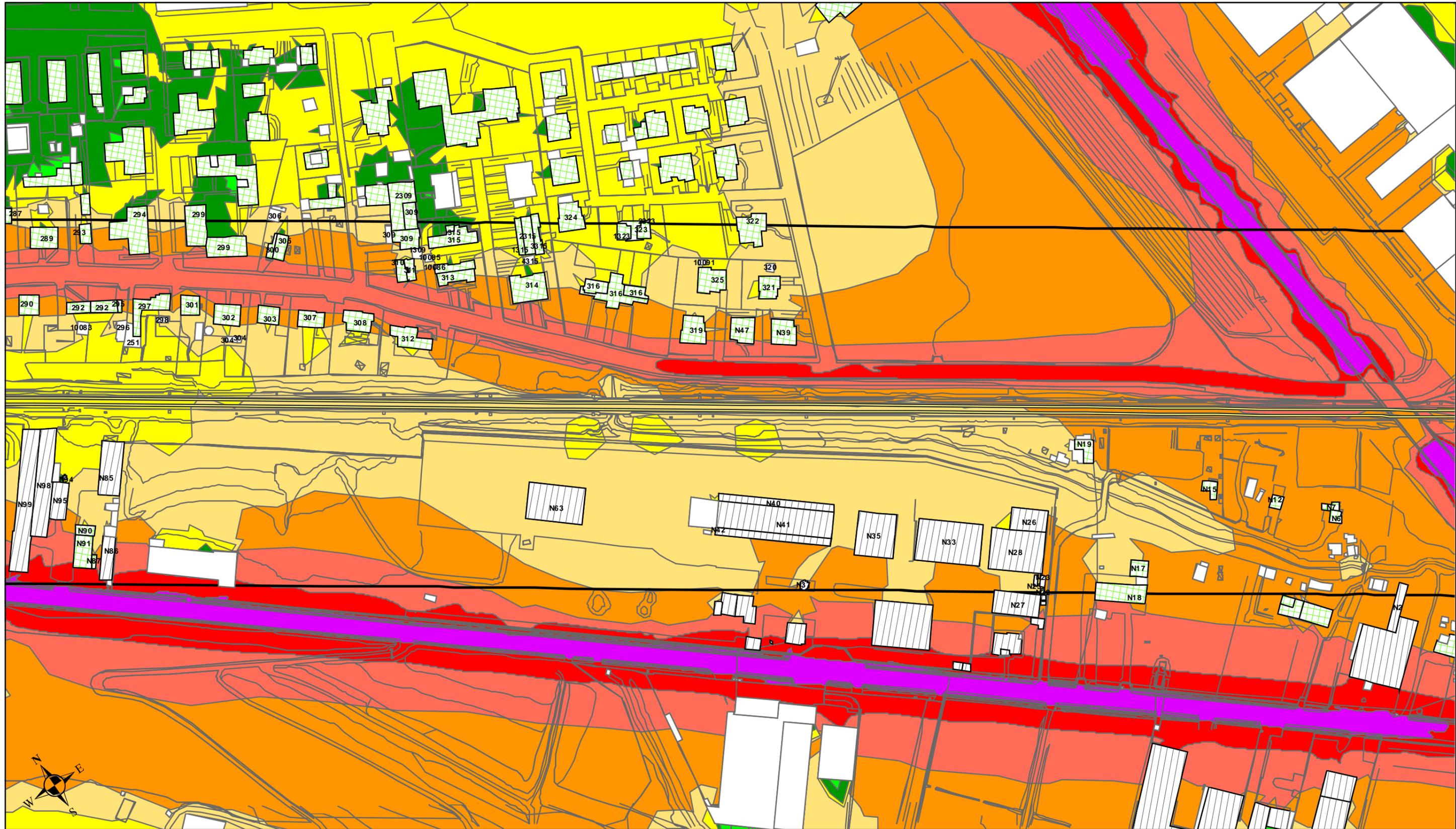
LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



GENERAL CONTRACTOR  Consorzio Collegamenti Integrati Veloci	ALTA SORVEGLIANZA  GRUPPO FERROVIE DELLO STATO ITALIANE
	A301-0X-D-CV-SD-IM00-00-007-A00 Acustica

**ALG_23 - Mappatura clima acustico stradale - Area urbana di Novi Ligure
- Periodo Diurno Leq(6-22)**

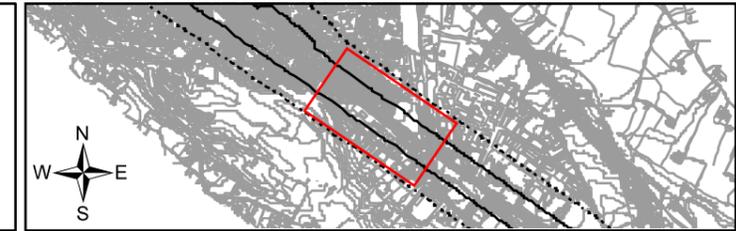


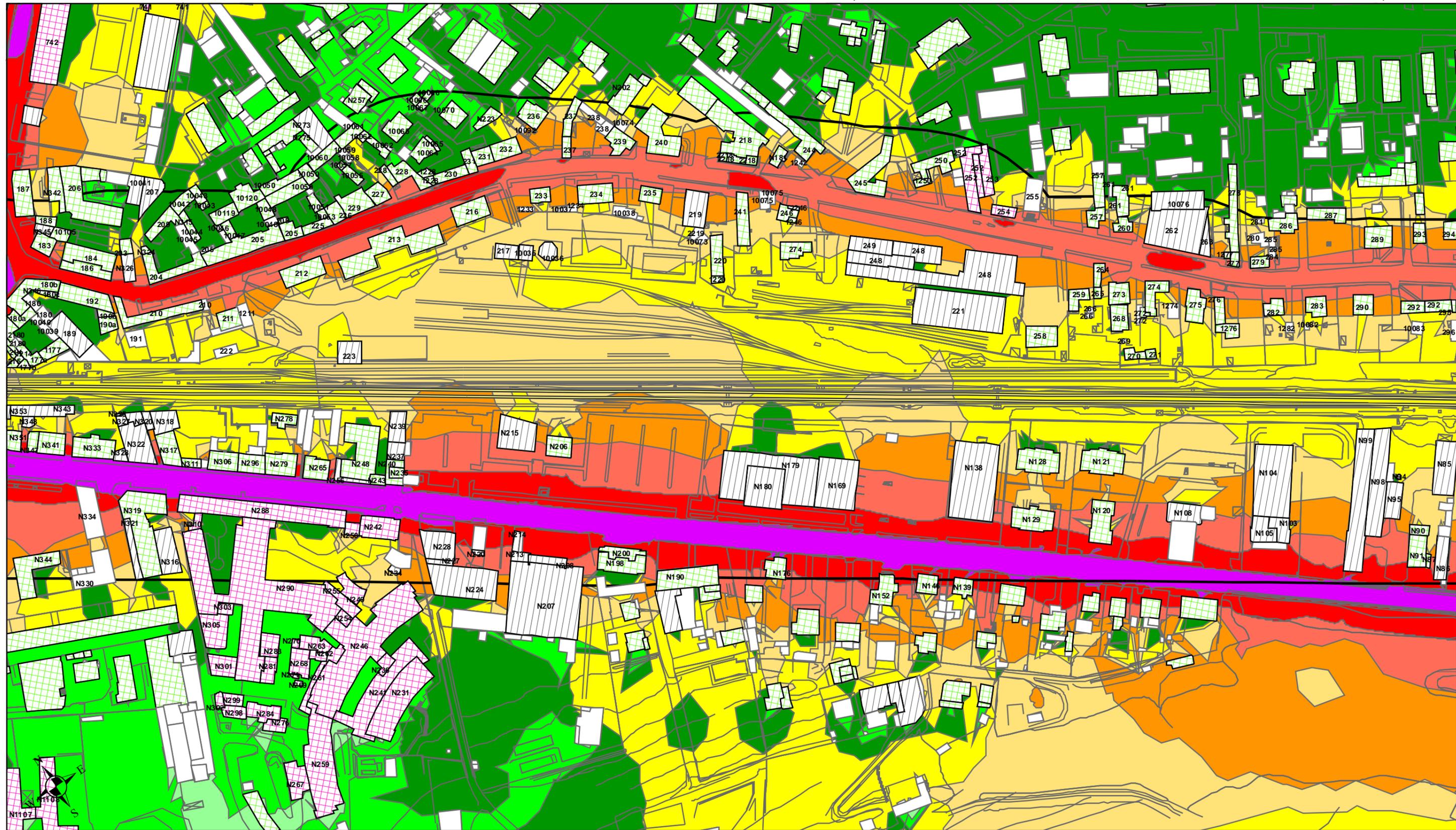
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |



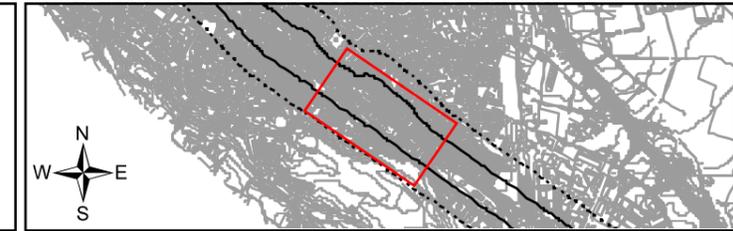


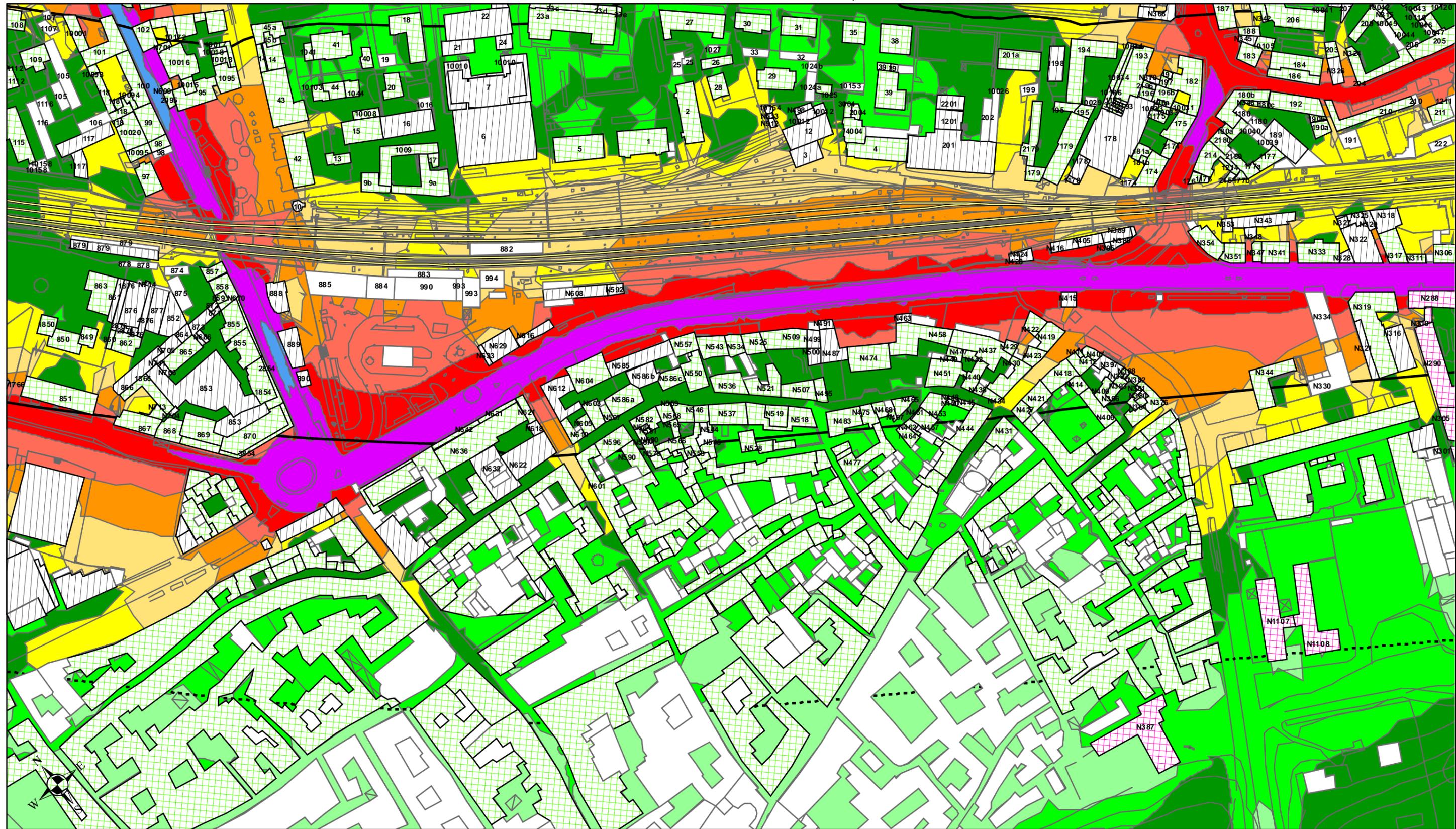
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |



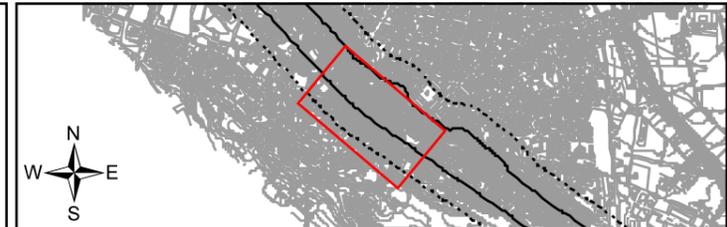


TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |



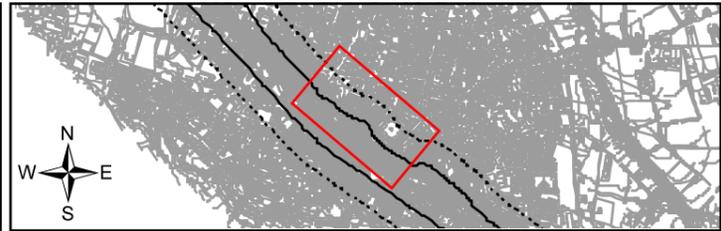


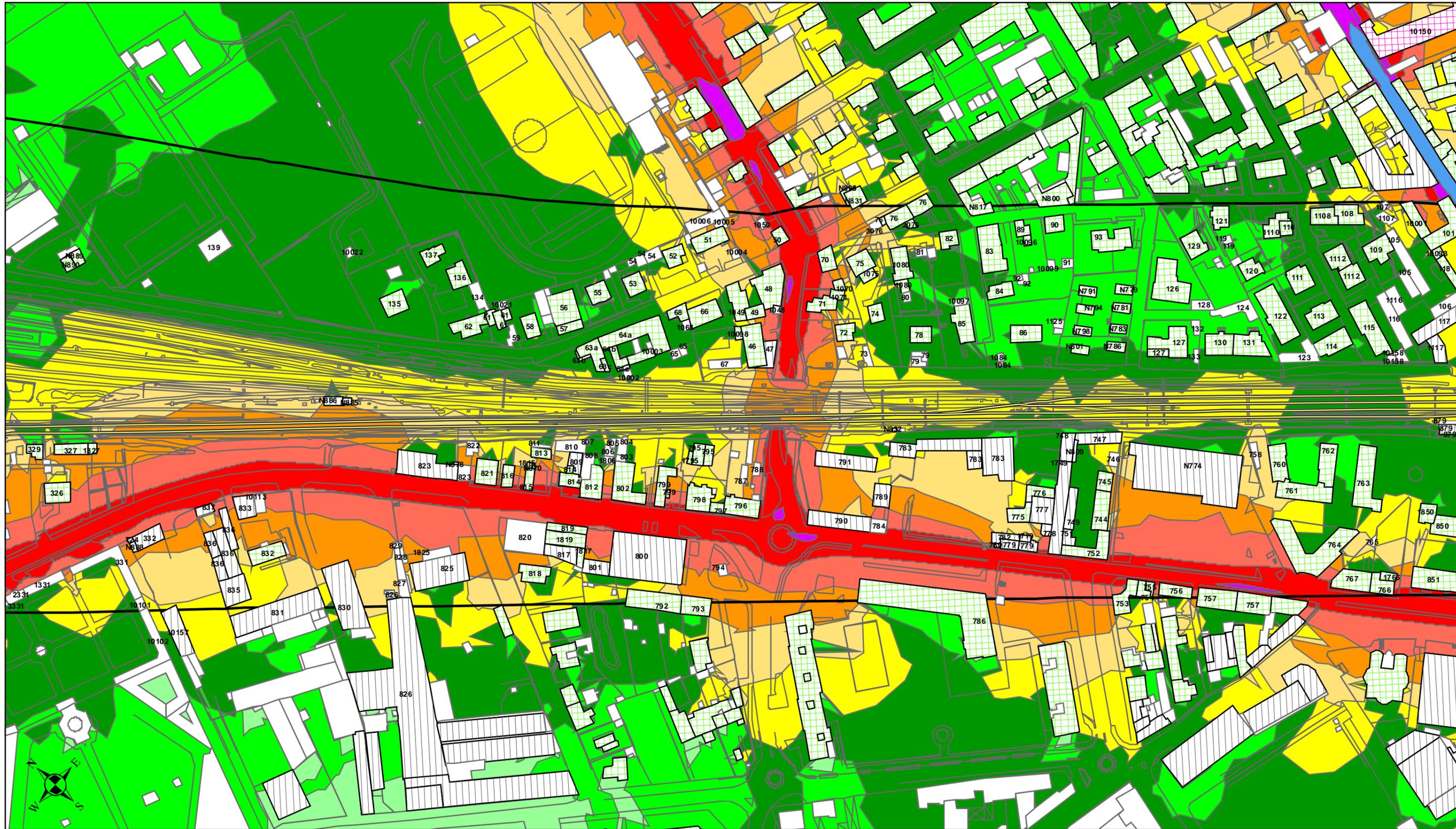
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |





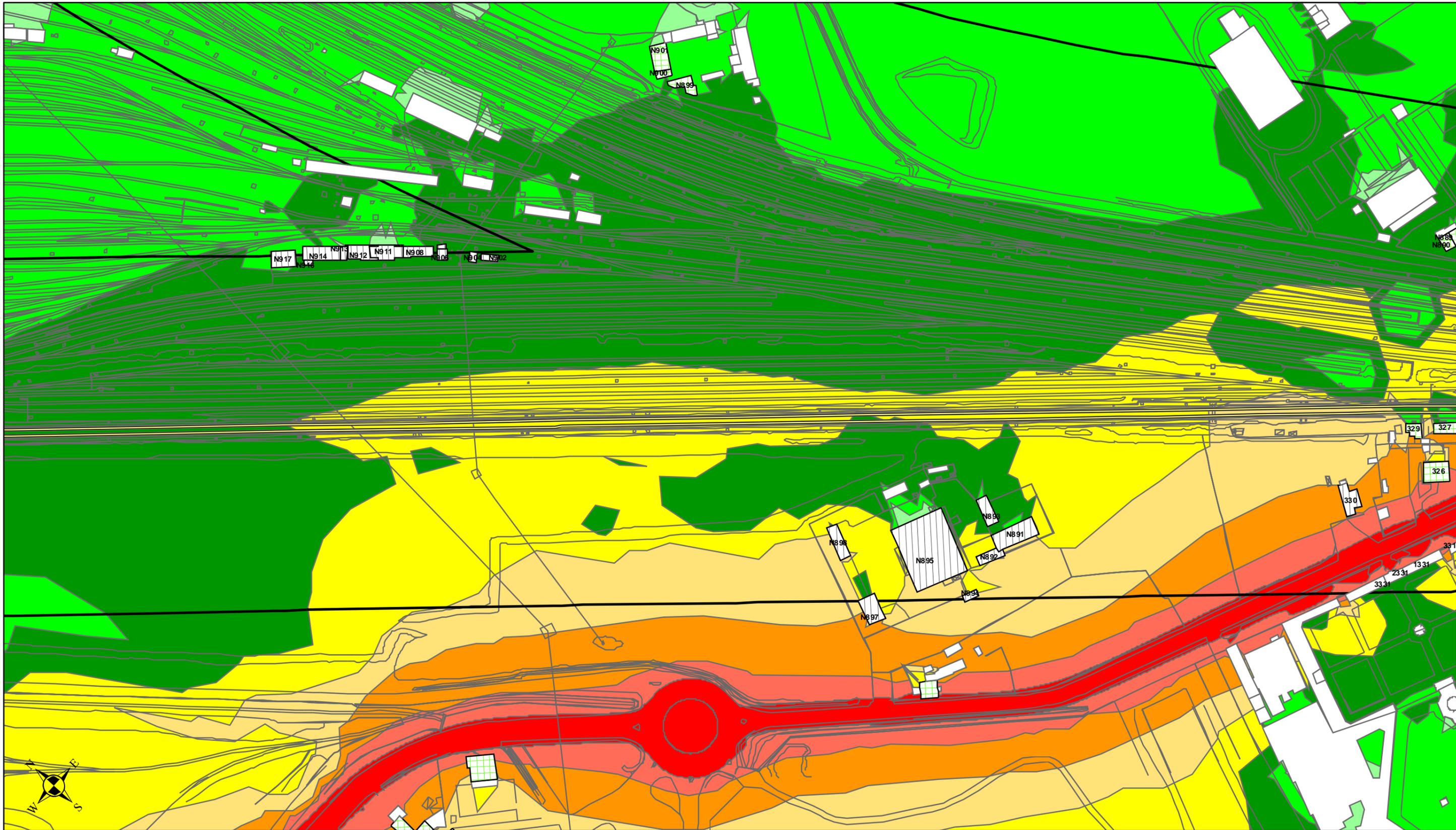
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Altri edifici
- Edifici industriali commerciali e terziario

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |





TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)

Edifici residenziali

Edifici sensibili

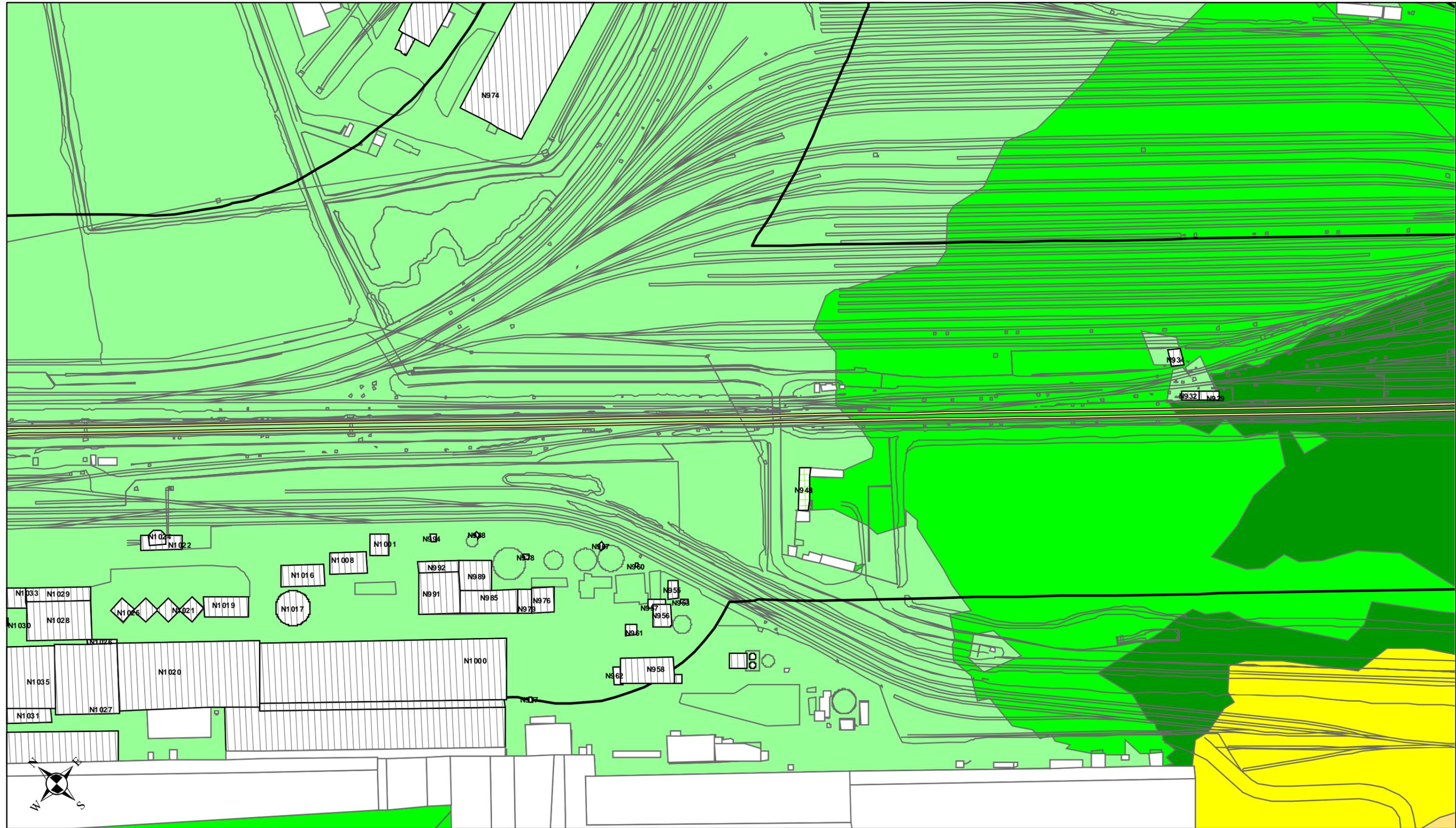
Edifici industriali commerciali e terziario

Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	

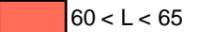
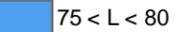
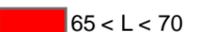
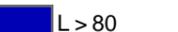
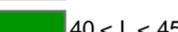
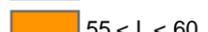
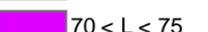


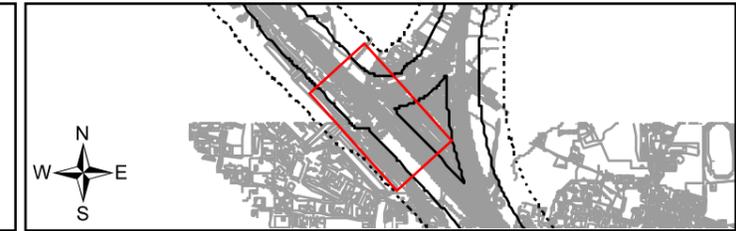


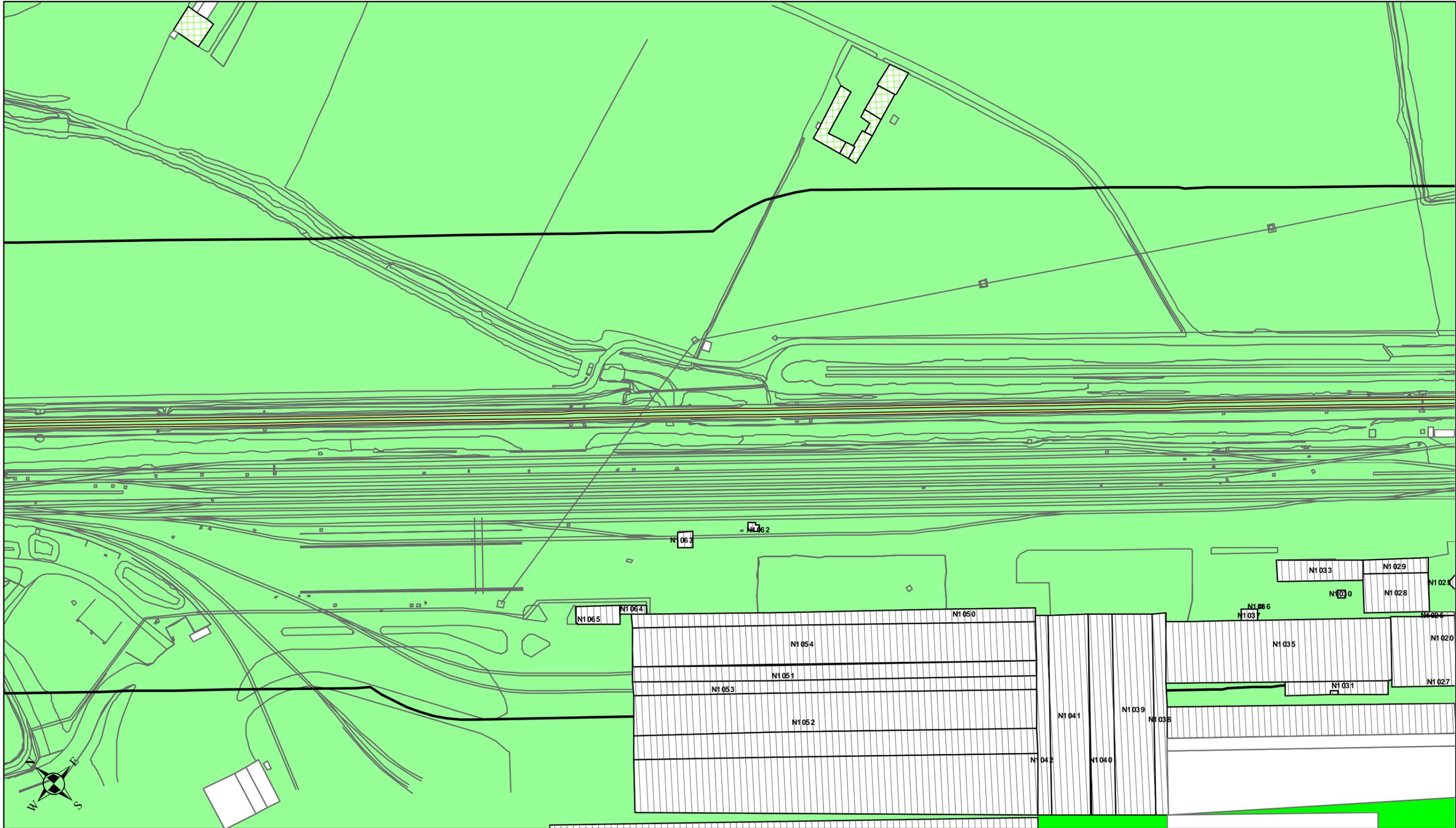
TEMATISMI DI BASE

-  Sorgenti di rumore ferroviario
-  Edifici residenziali
-  Fascia A 100 m (DPR 459/98)
-  Edifici sensibili
-  Edifici industriali commerciali e terziario
-  Fascia B 250 m (DPR 459/98)
-  Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|---|--|---|---|
|  L < 35 |  45 < L < 50 |  60 < L < 65 |  75 < L < 80 |
|  35 < L < 40 |  50 < L < 55 |  65 < L < 70 |  L > 80 |
|  40 < L < 45 |  55 < L < 60 |  70 < L < 75 | |



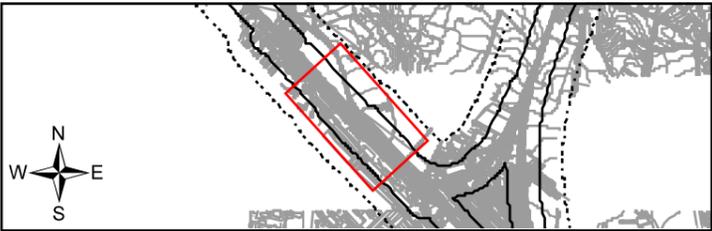


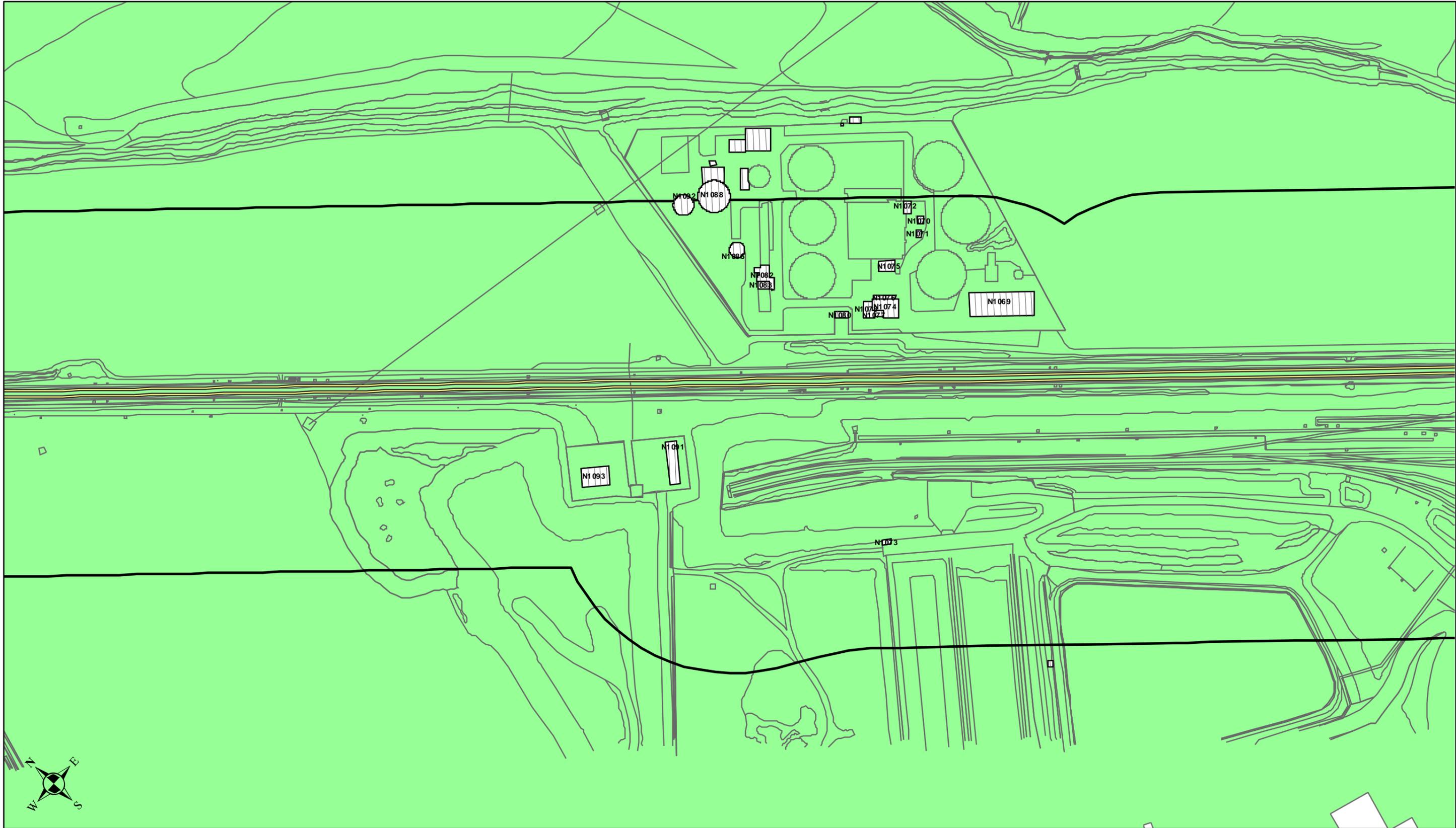
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



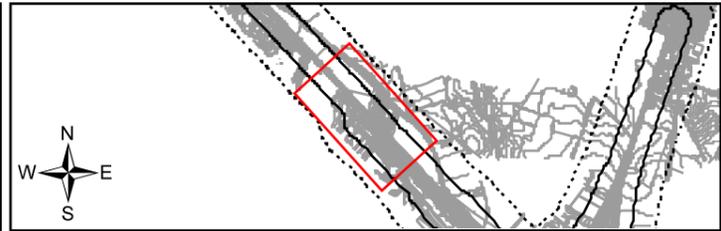


TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

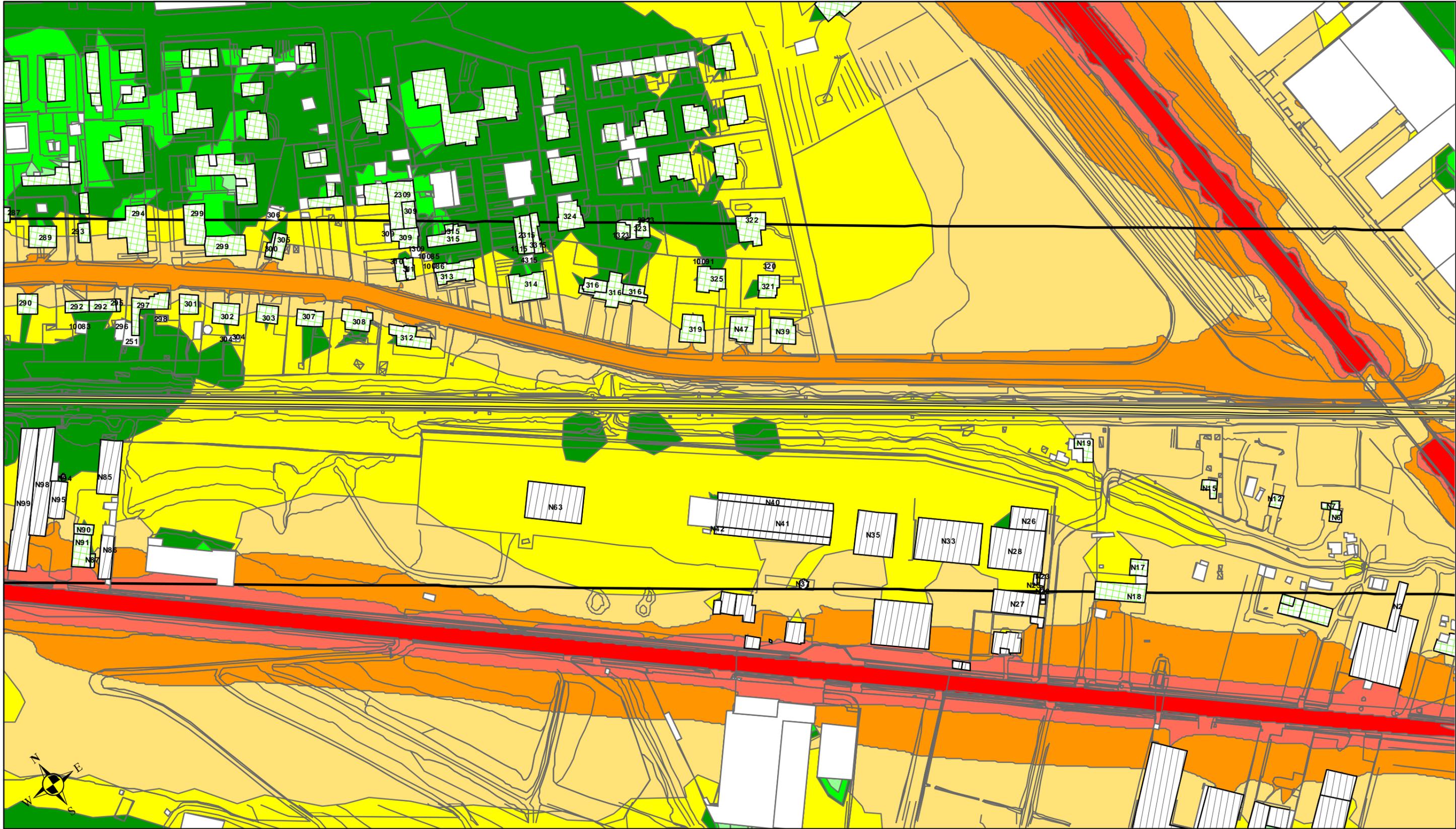
LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



GENERAL CONTRACTOR  Consorzio Collegamenti Integrati Veloci	ALTA SORVEGLIANZA  GRUPPO FERROVIE DELLO STATO ITALIANE
	A301-0X-D-CV-SD-IM00-00-007-A00 Acustica

**ALG_24 - Mappatura clima acustico stradale - Area urbana di Novi Ligure
- Periodo Notturmo Leq(22-6)**

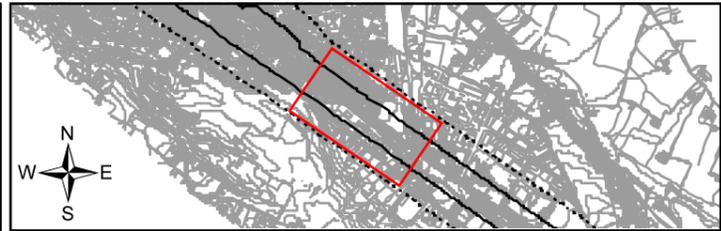


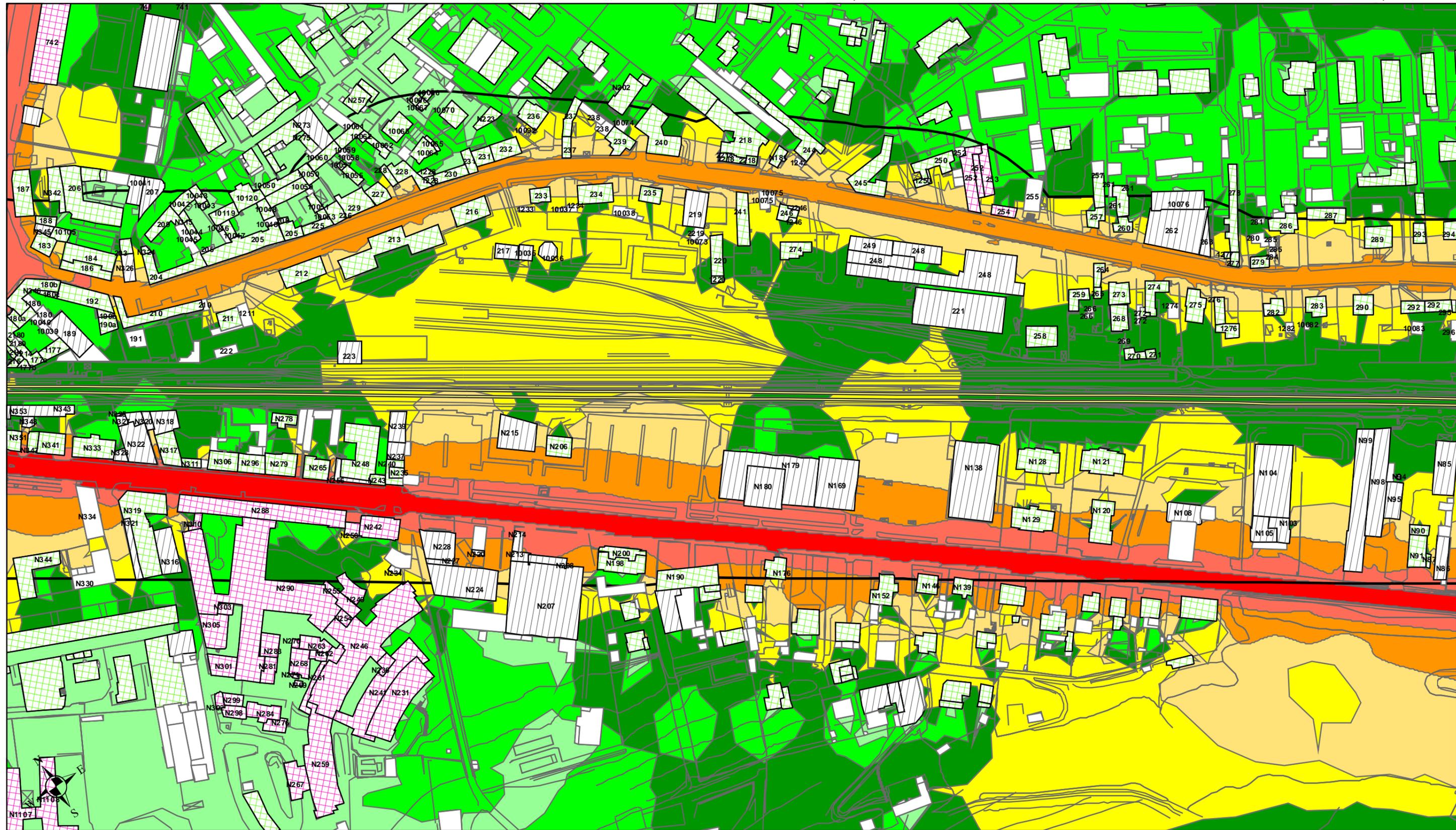
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



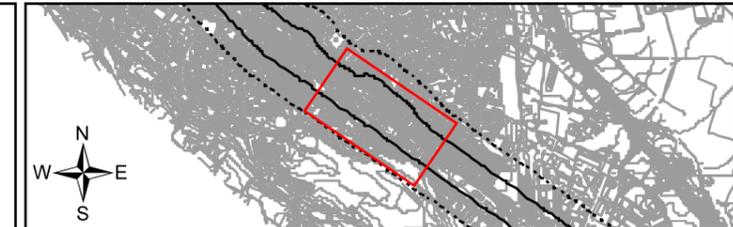


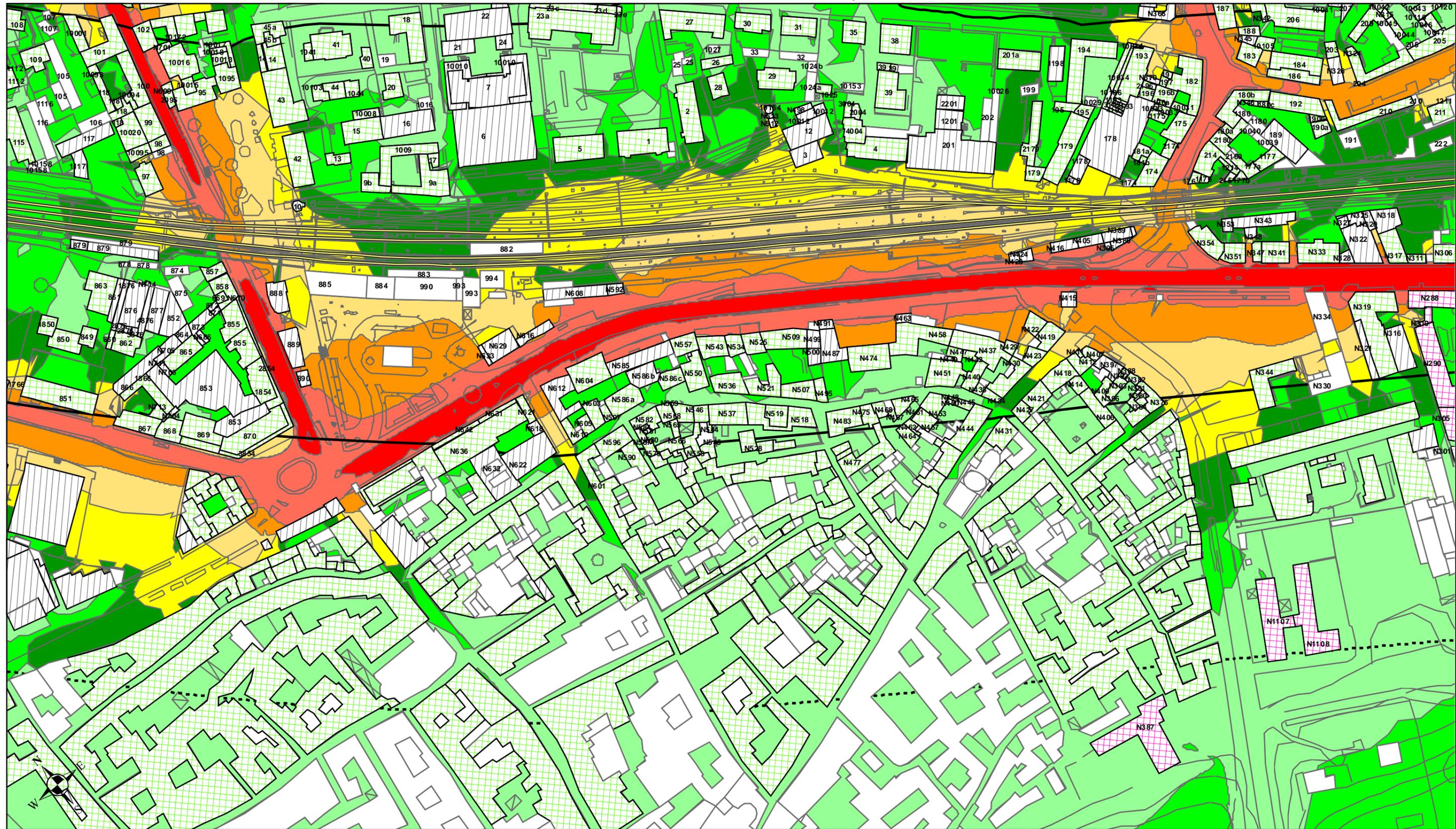
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |



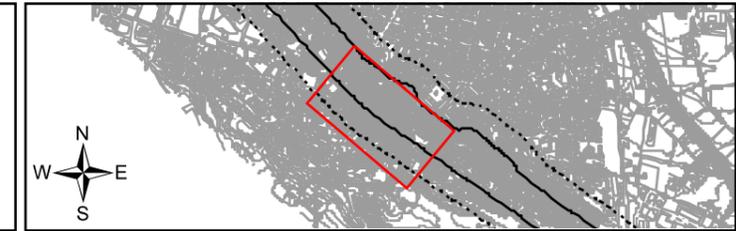


TEMATISMI DI BASE

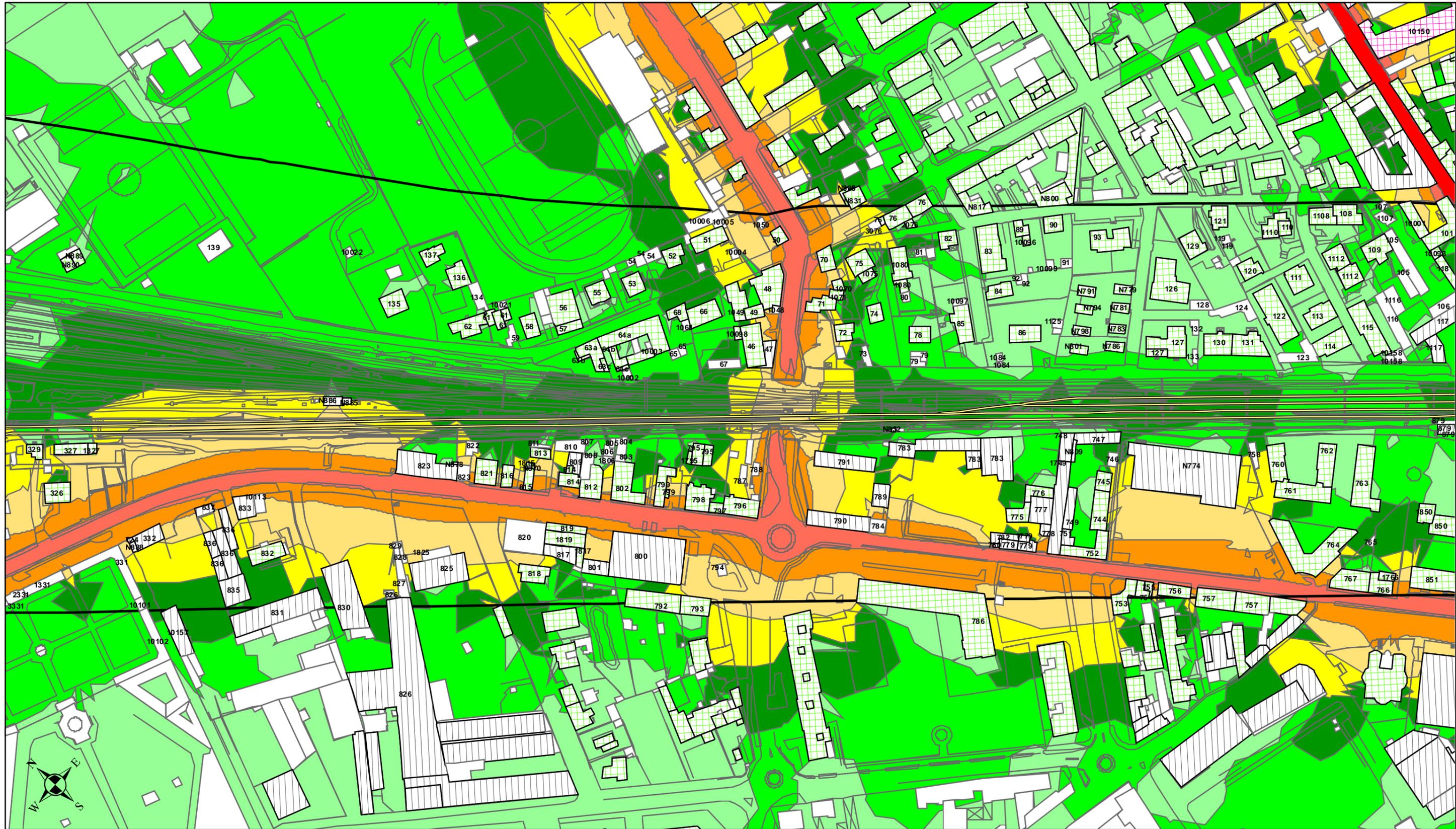
- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |







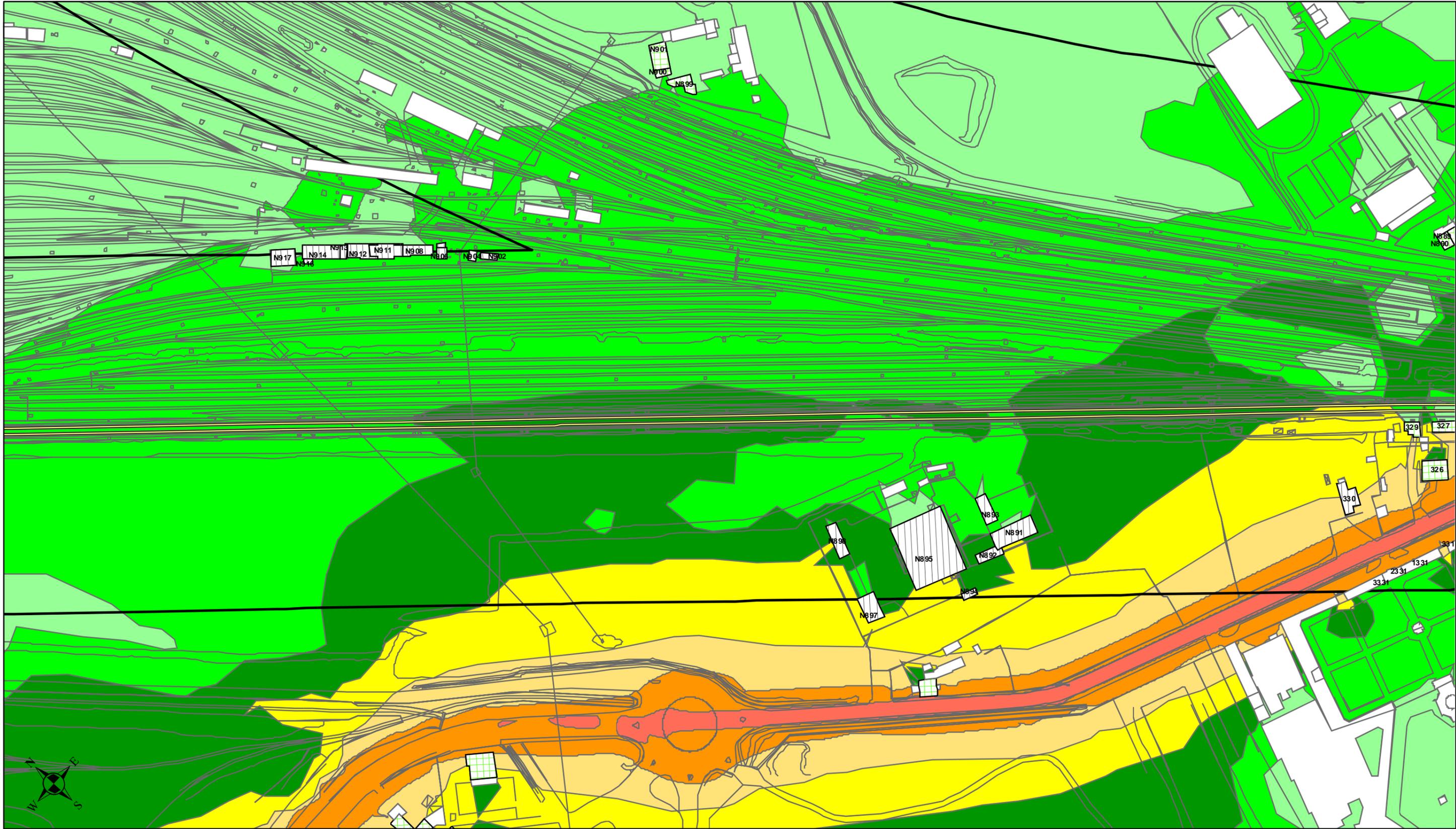
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Edifici sensibili
- Fascia A 100 m (DPR 459/98)
- Edifici industriali commerciali e terziario
- Fascia B 250 m (DPR 459/98)
- Altri edifici
- Edifici residenziali

LIVELLI DI RUMORE IN dBA

- | | | | |
|-------------|-------------|-------------|-------------|
| L < 35 | 45 < L < 50 | 60 < L < 65 | 75 < L < 80 |
| 35 < L < 40 | 50 < L < 55 | 65 < L < 70 | L > 80 |
| 40 < L < 45 | 55 < L < 60 | 70 < L < 75 | |



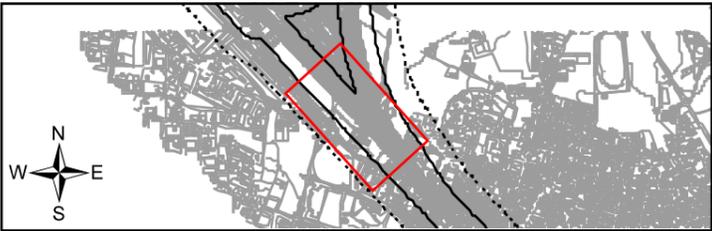


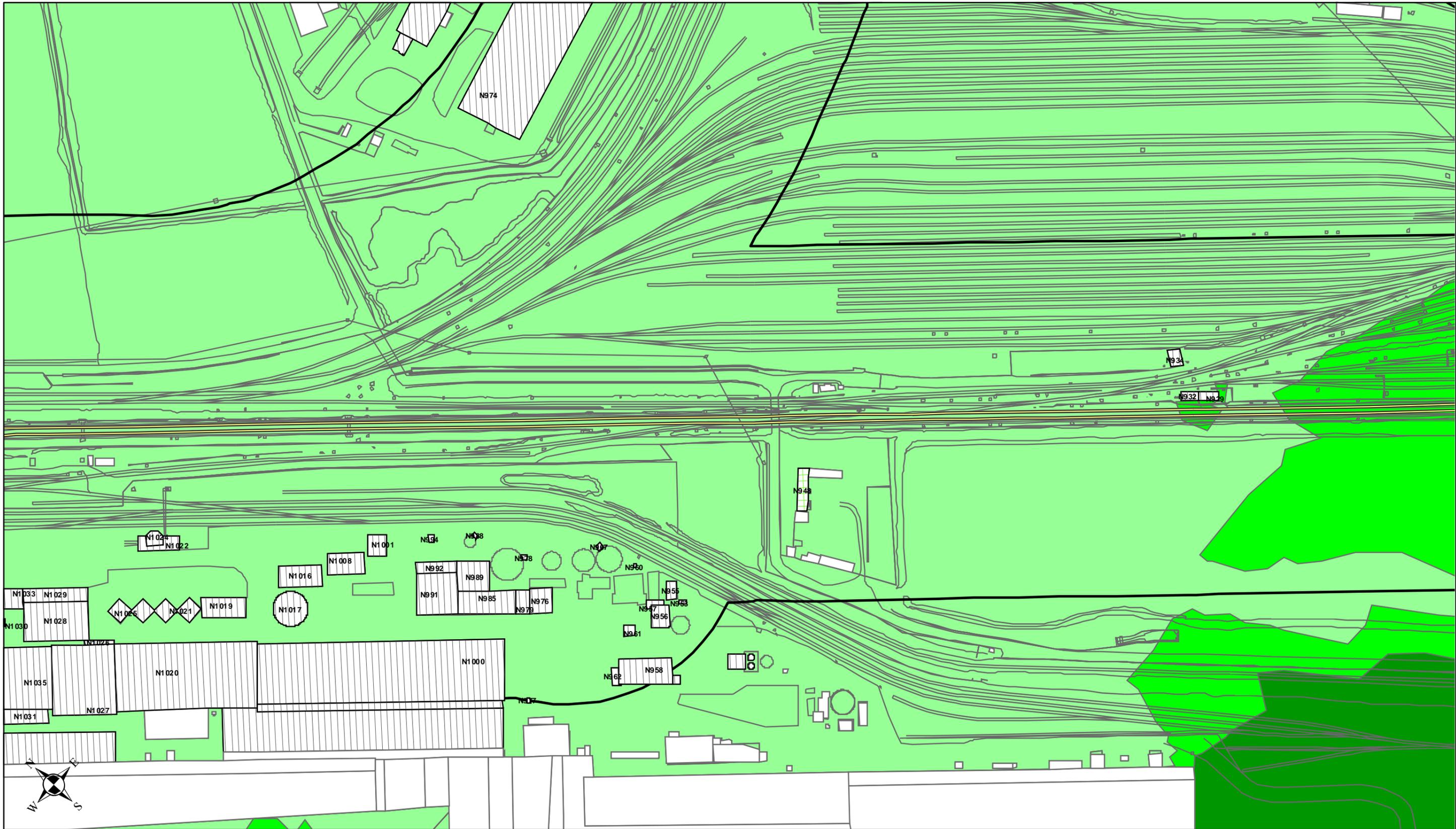
TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	



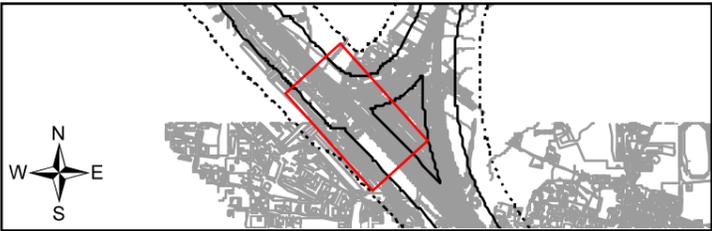


TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	

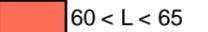
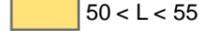
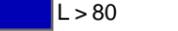
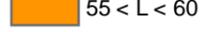
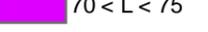


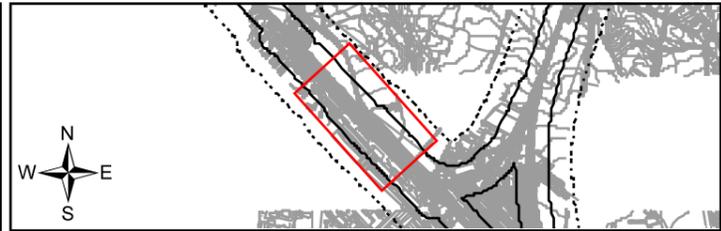


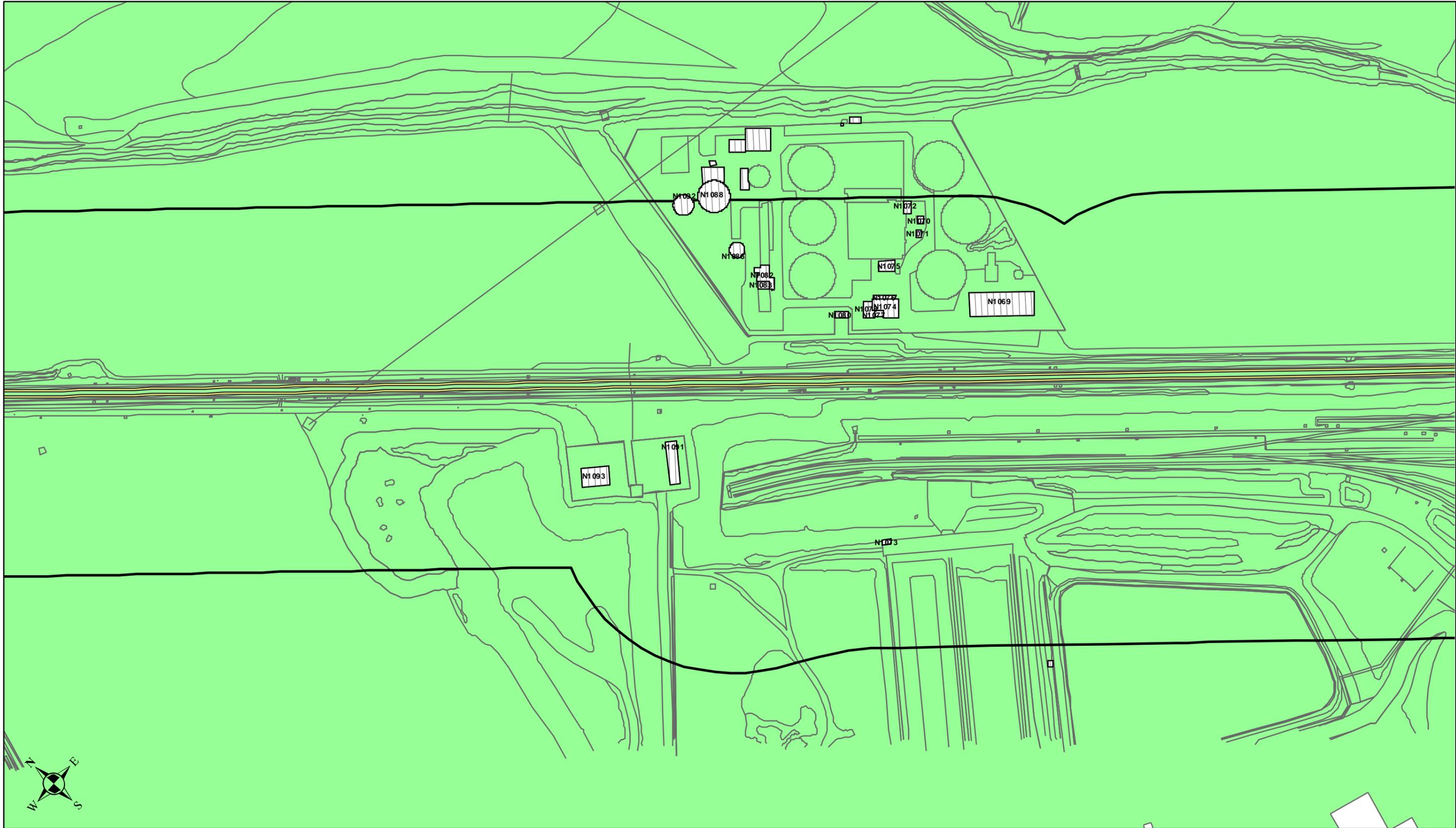
TEMATISMI DI BASE

-  Sorgenti di rumore ferroviario
-  Fascia A 100 m (DPR 459/98)
-  Fascia B 250 m (DPR 459/98)
-  Edifici residenziali
-  Edifici sensibili
-  Edifici industriali commerciali e terziario
-  Altri edifici

LIVELLI DI RUMORE IN dBA

- | | | | |
|---|--|---|---|
|  L < 35 |  45 < L < 50 |  60 < L < 65 |  75 < L < 80 |
|  35 < L < 40 |  50 < L < 55 |  65 < L < 70 |  L > 80 |
|  40 < L < 45 |  55 < L < 60 |  70 < L < 75 | |



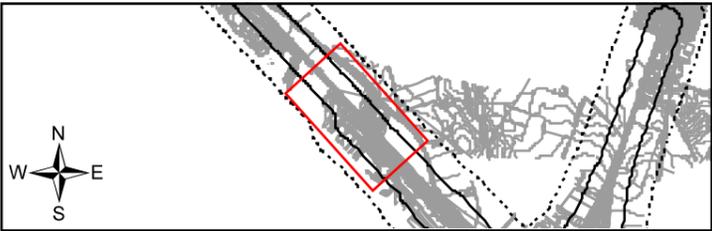


TEMATISMI DI BASE

- Sorgenti di rumore ferroviario
- Fascia A 100 m (DPR 459/98)
- Fascia B 250 m (DPR 459/98)
- Edifici residenziali
- Edifici sensibili
- Edifici industriali commerciali e terziario
- Altri edifici

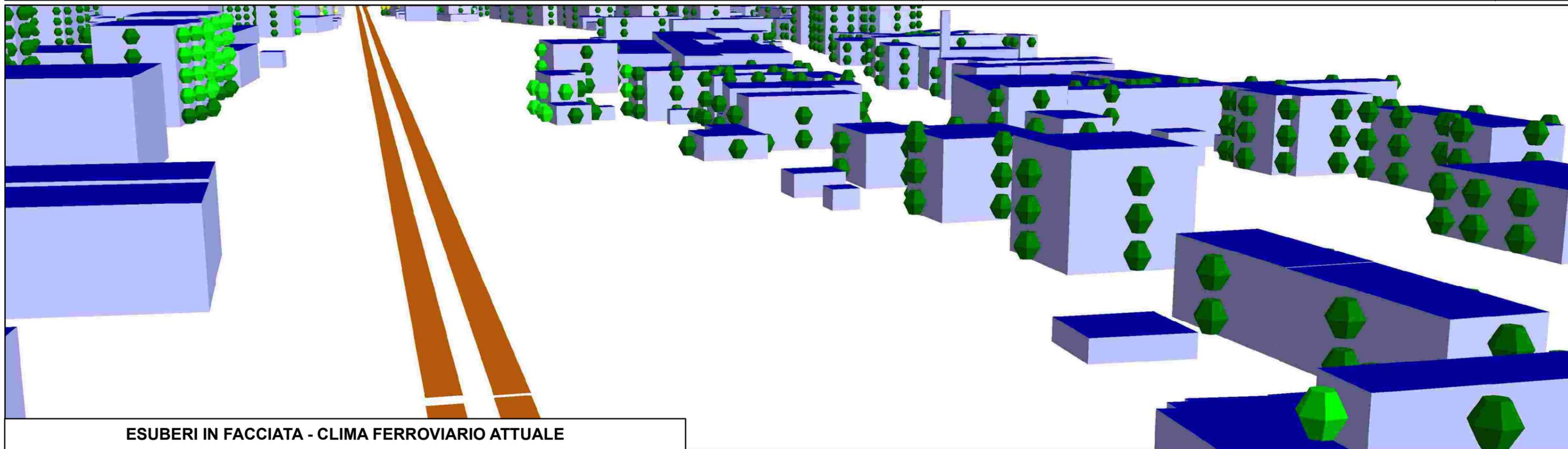
LIVELLI DI RUMORE IN dBA

L < 35	45 < L < 50	60 < L < 65	75 < L < 80
35 < L < 40	50 < L < 55	65 < L < 70	L > 80
40 < L < 45	55 < L < 60	70 < L < 75	

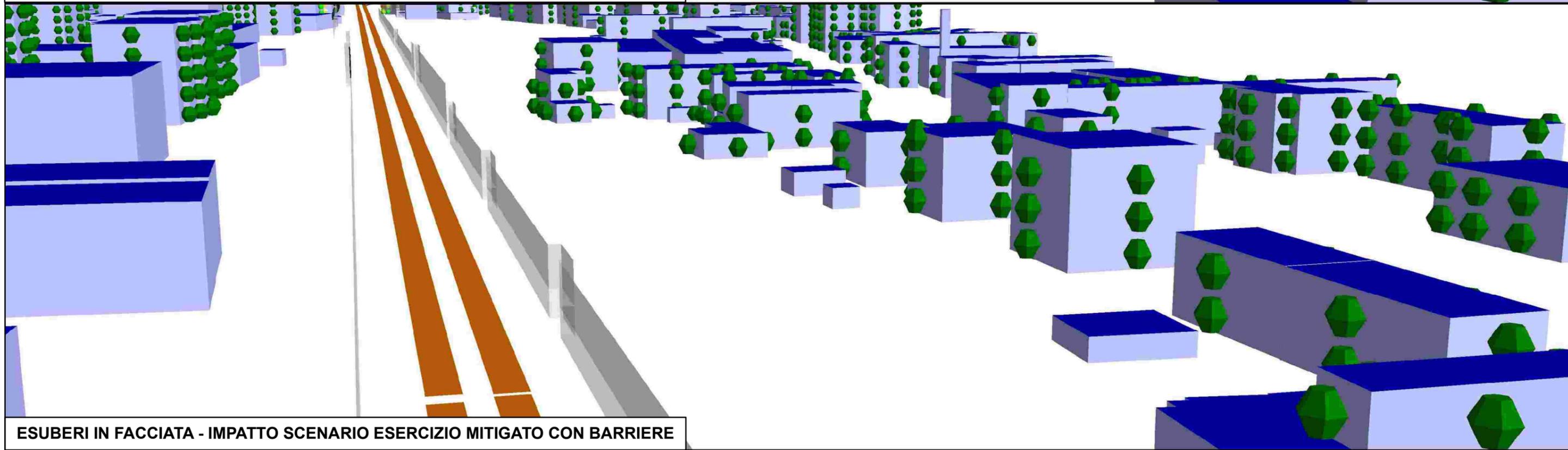


GENERAL CONTRACTOR  Consorzio Collegamenti Integrati Veloci	ALTA SORVEGLIANZA  ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE
	A301-0X-D-CV-SD-IM00-00-007-A00 Acustica

ALG_25 - Viste 3D Esuberi in facciata clima ferroviario attuale e scenario di progetto mitigato - Area urbana di Novi Ligure - Periodo Diurno Leq(6-22) - Scenario di Lungo Termine



ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



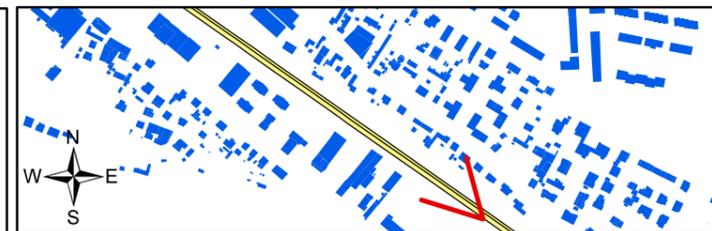
ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

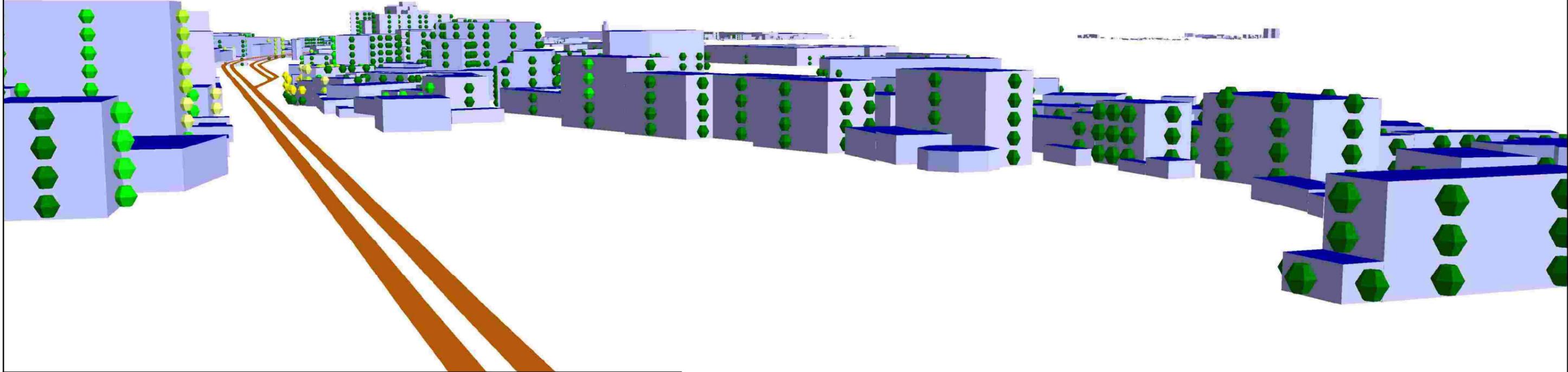
LEGENDA:

-  Ricettori
-  Binari

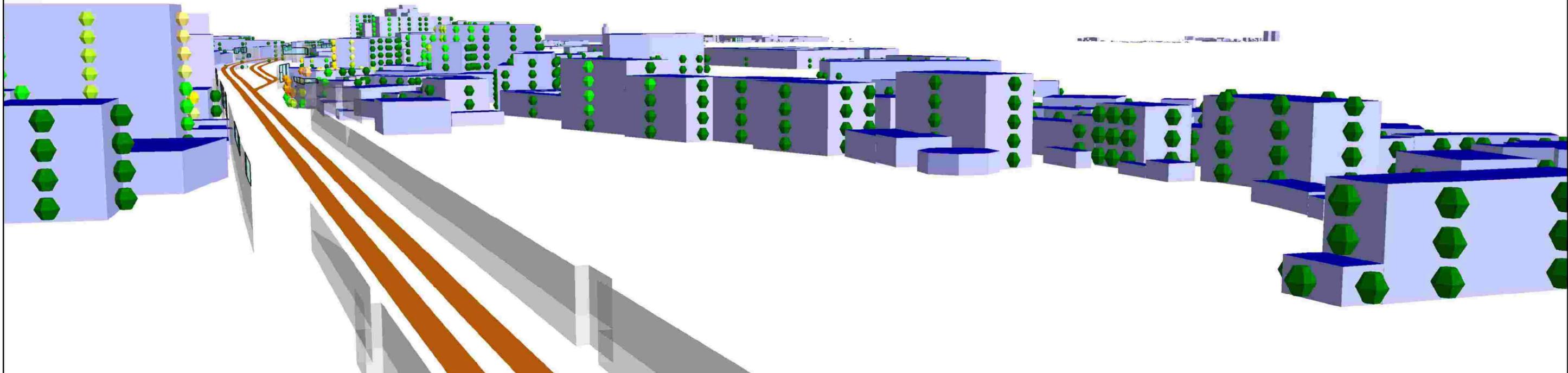
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

LEGENDA:

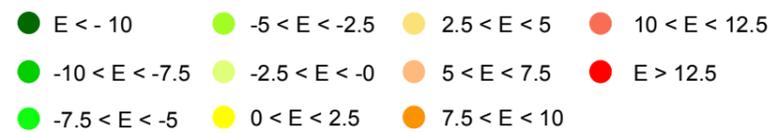


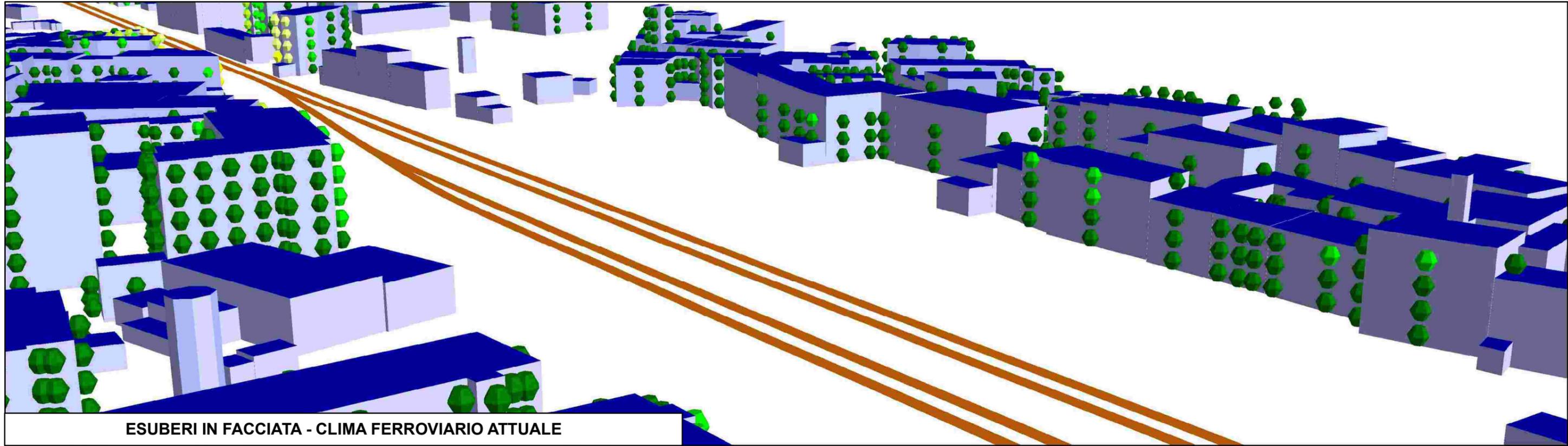
Ricettori



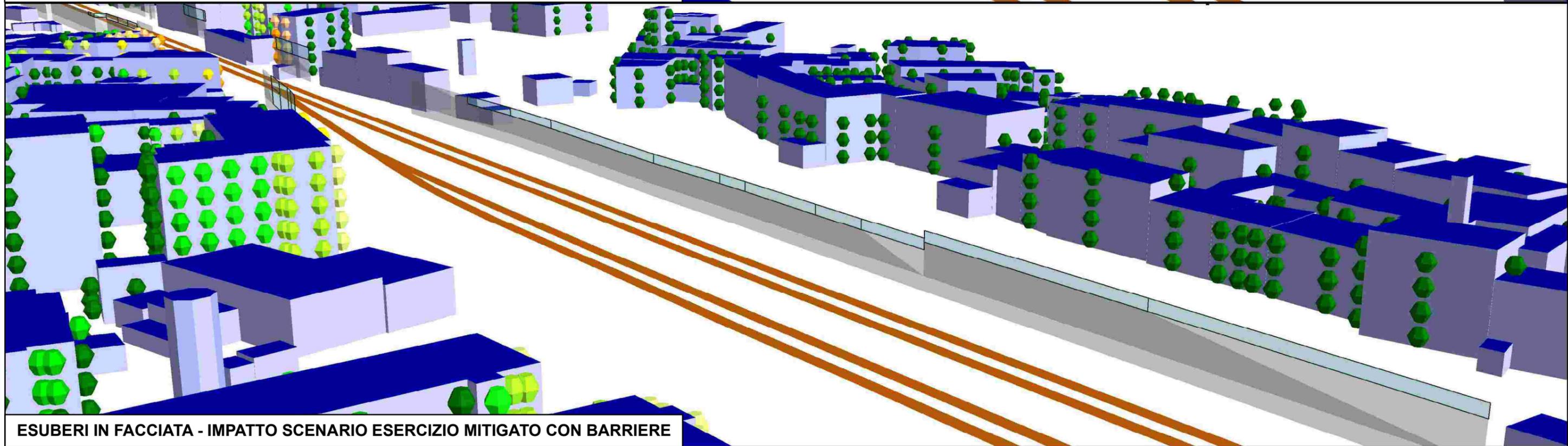
Binari

Esuberi dei livelli di rumore in facciata [dBA]





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

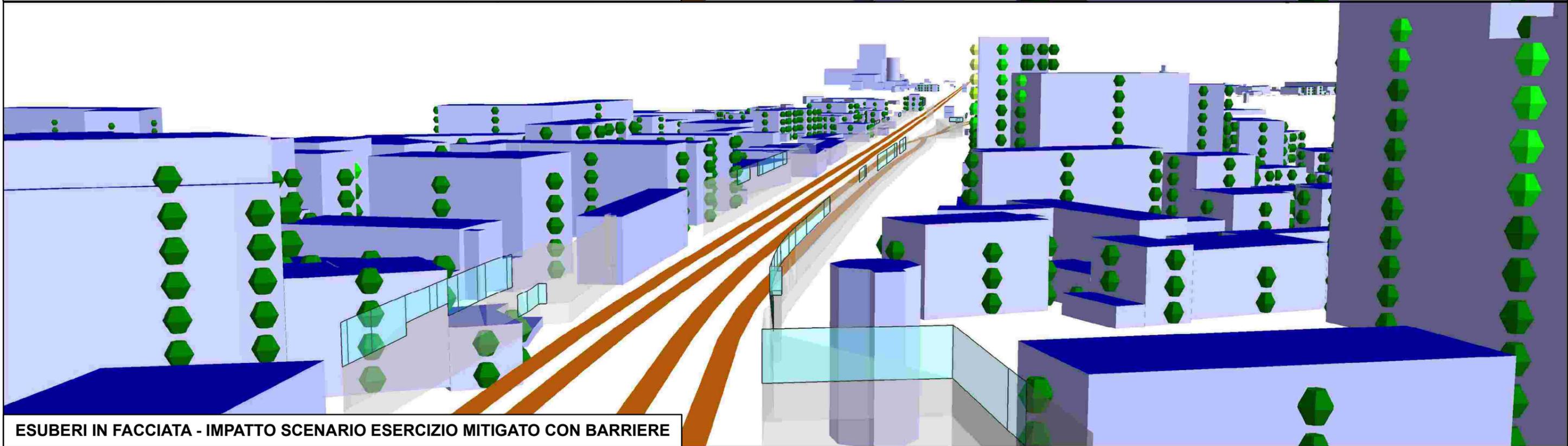
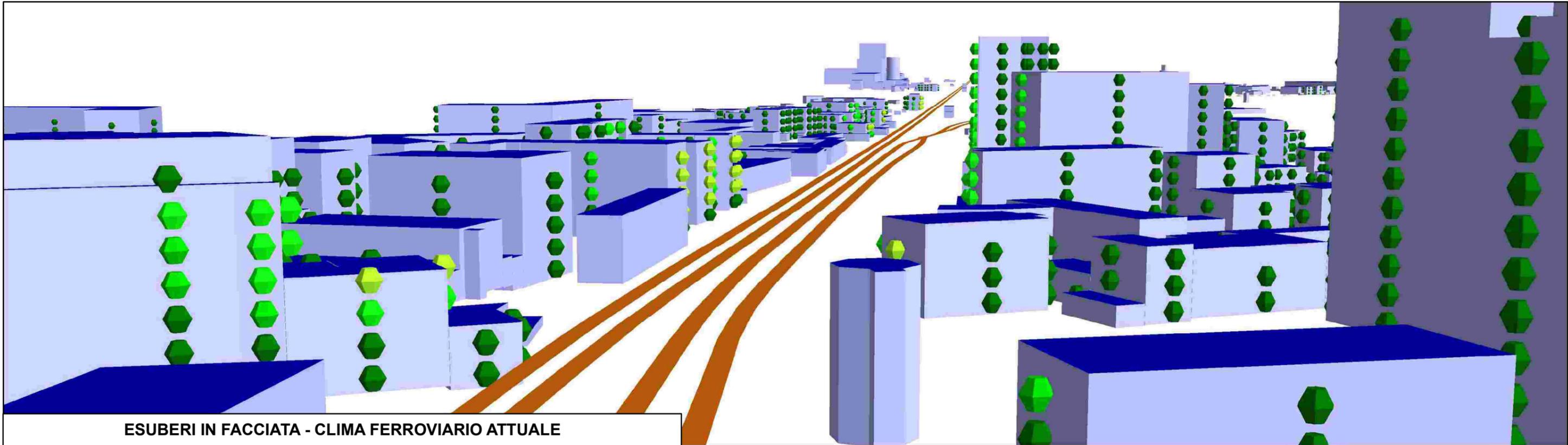
LEGENDA:

-  Ricettori
-  Binari

Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





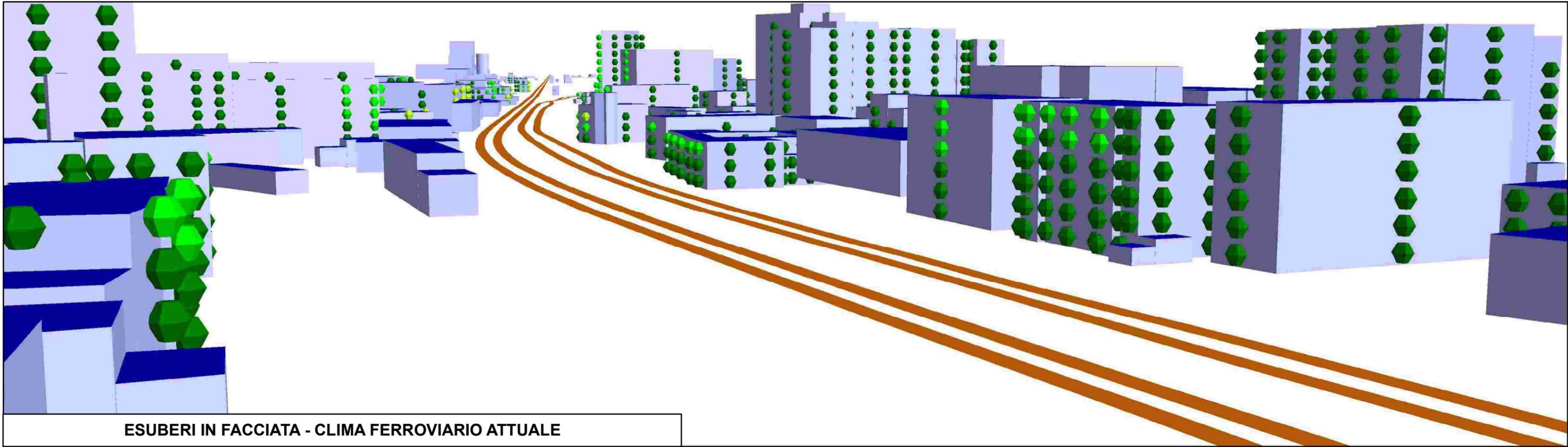
LEGENDA:

-  Ricettori
-  Binari

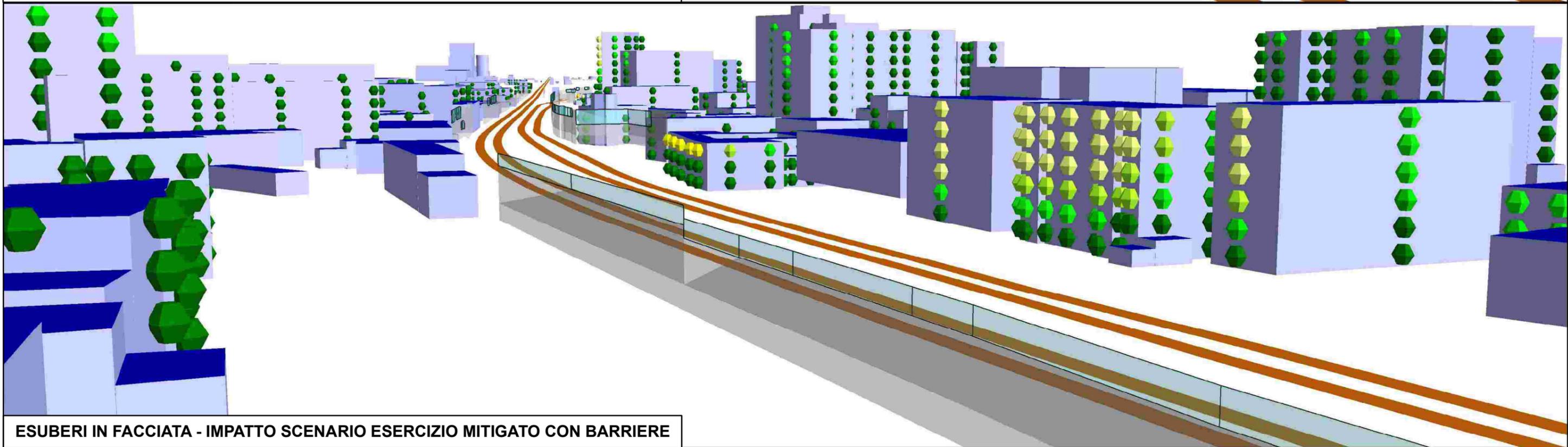
Esuberi dei livelli di rumore in facciata [dBA]

 $E < -10$	 $-5 < E < -2.5$	 $2.5 < E < 5$	 $10 < E < 12.5$
 $-10 < E < -7.5$	 $-2.5 < E < -0$	 $5 < E < 7.5$	 $E > 12.5$
 $-7.5 < E < -5$	 $0 < E < 2.5$	 $7.5 < E < 10$	





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

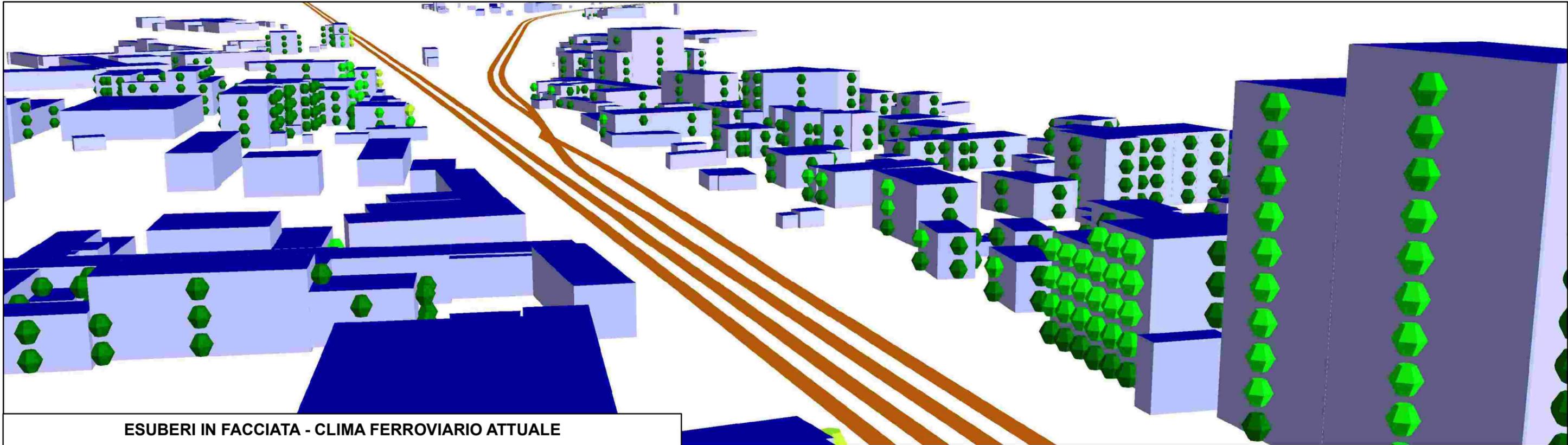
LEGENDA:

-  Ricettori
-  Binari

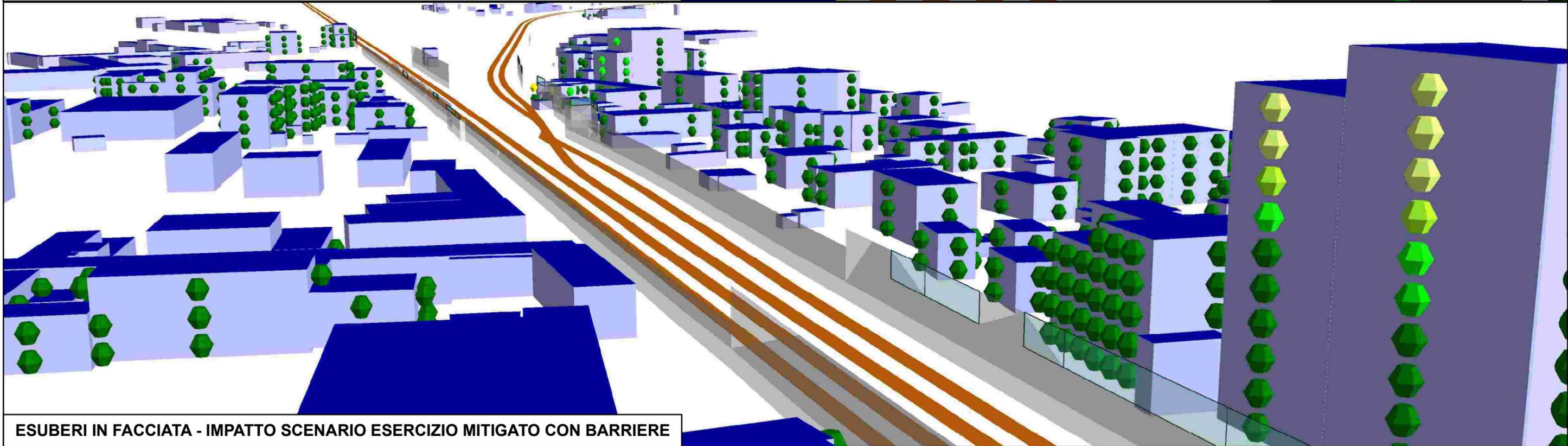
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

LEGENDA:

-  Ricettori
-  Binari

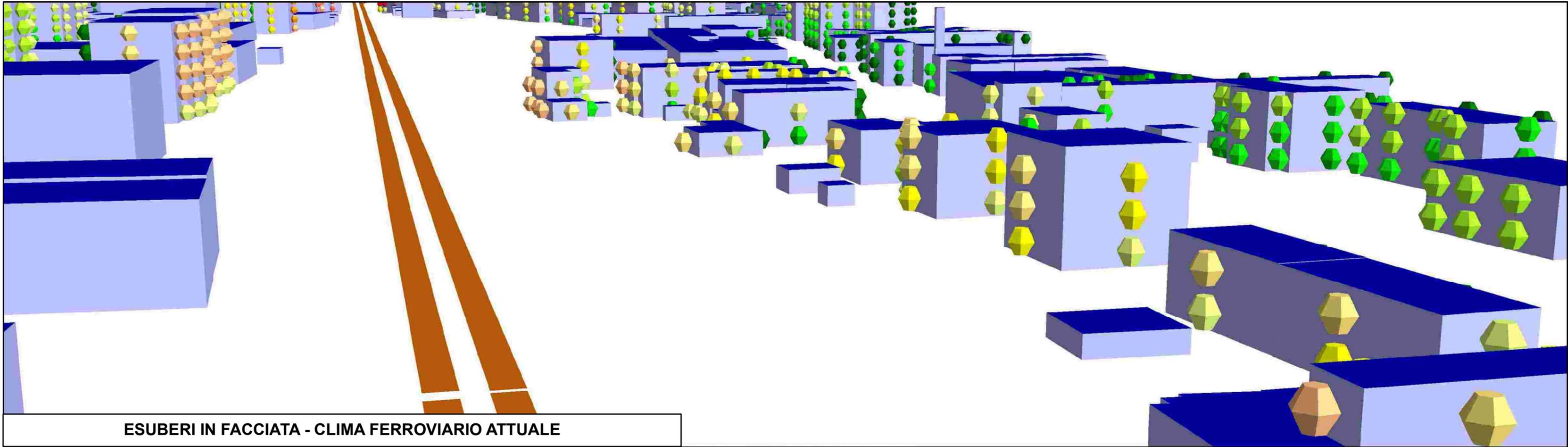
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |

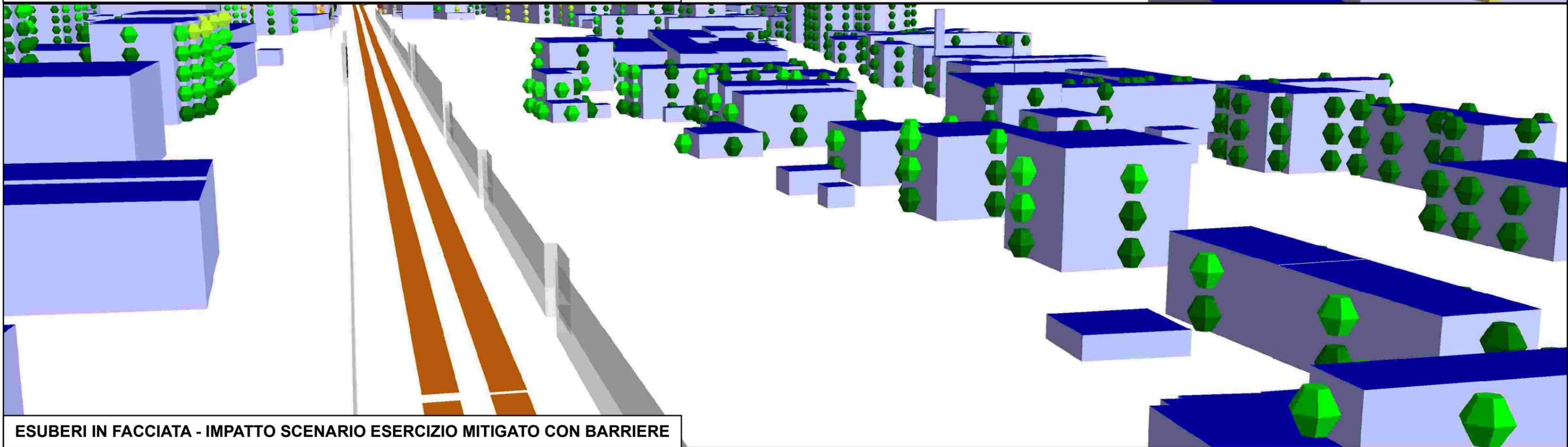


GENERAL CONTRACTOR 	ALTA SORVEGLIANZA 
	A301-0X-D-CV-SD-IM00-00-007-A00 Acustica

ALG_26 - Viste 3D Esuberi in facciata clima ferroviario attuale e scenario di progetto mitigato - Area urbana di Novi Ligure - Periodo Notturno Leq(22-6) - Scenario di Lungo Termine



ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



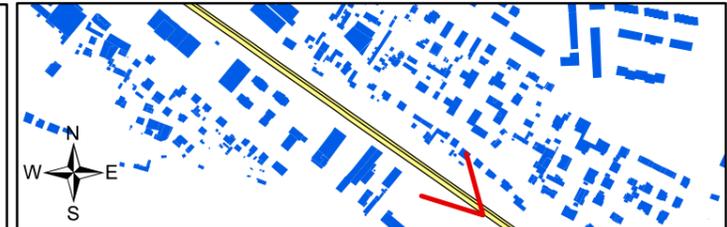
ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

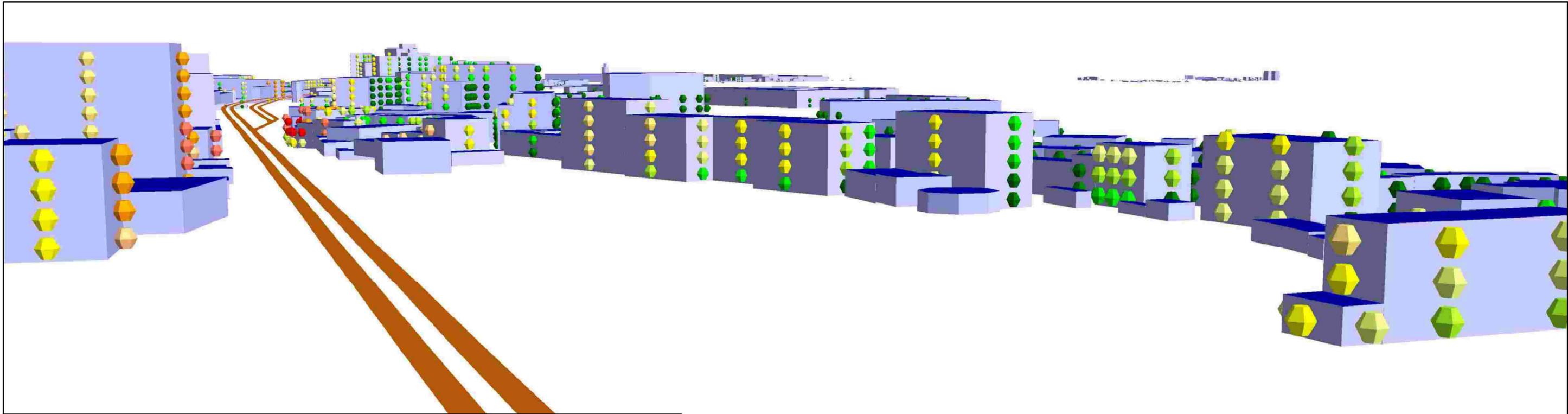
LEGENDA:

-  Ricettori
-  Binari

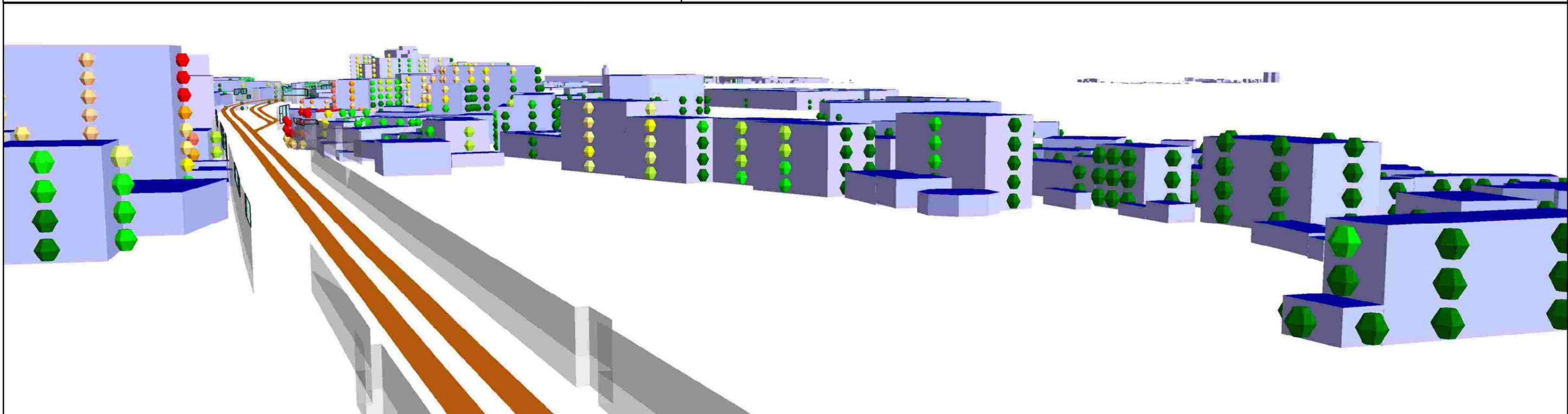
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < 0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

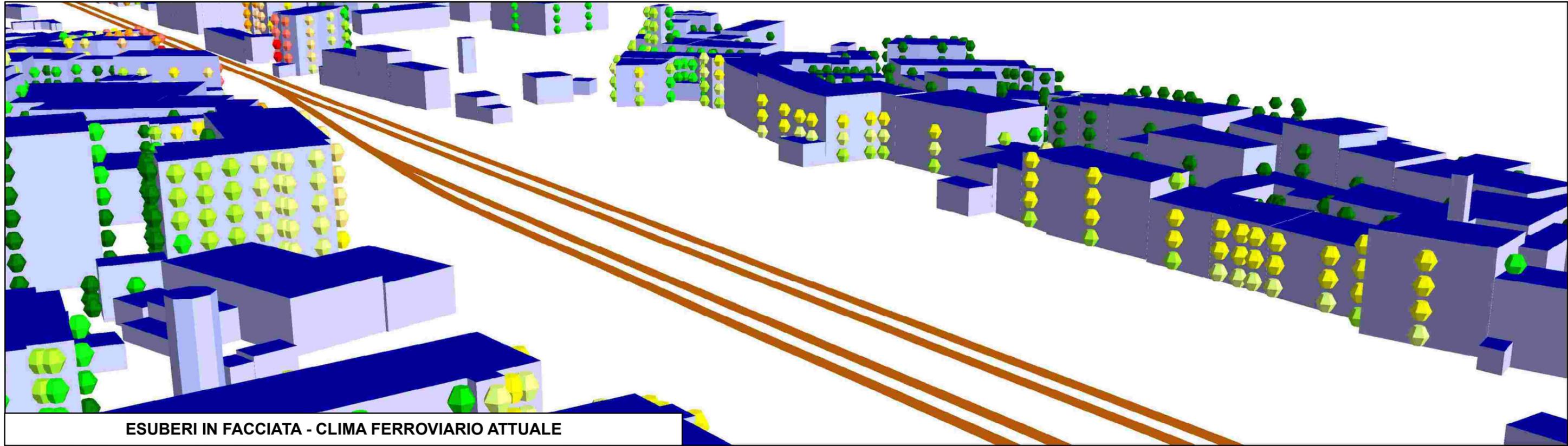
LEGENDA:

-  Ricettori
-  Binari

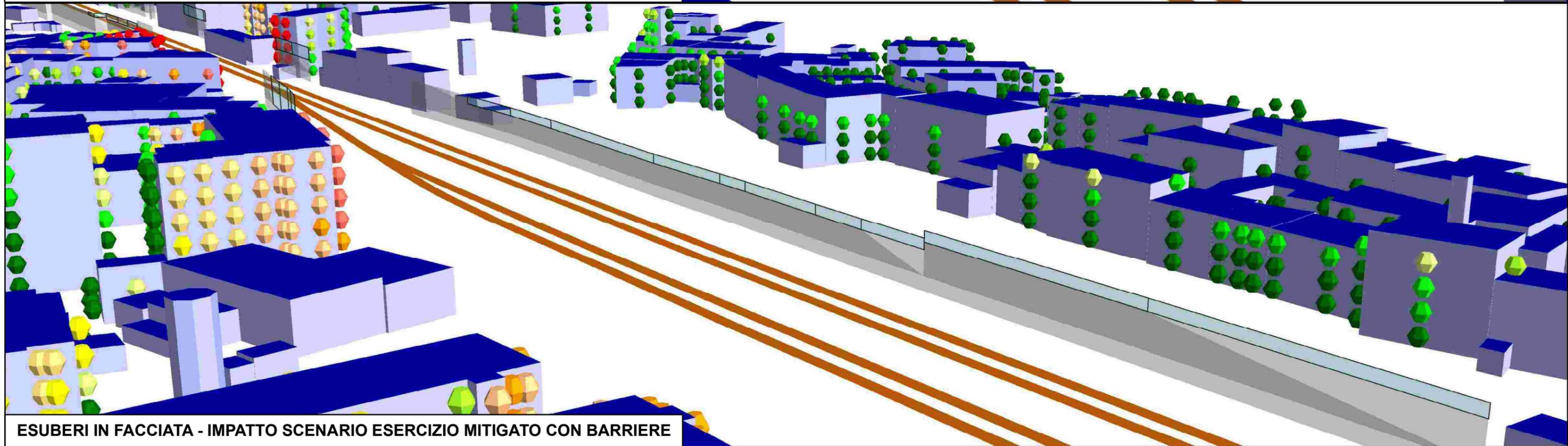
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < 0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

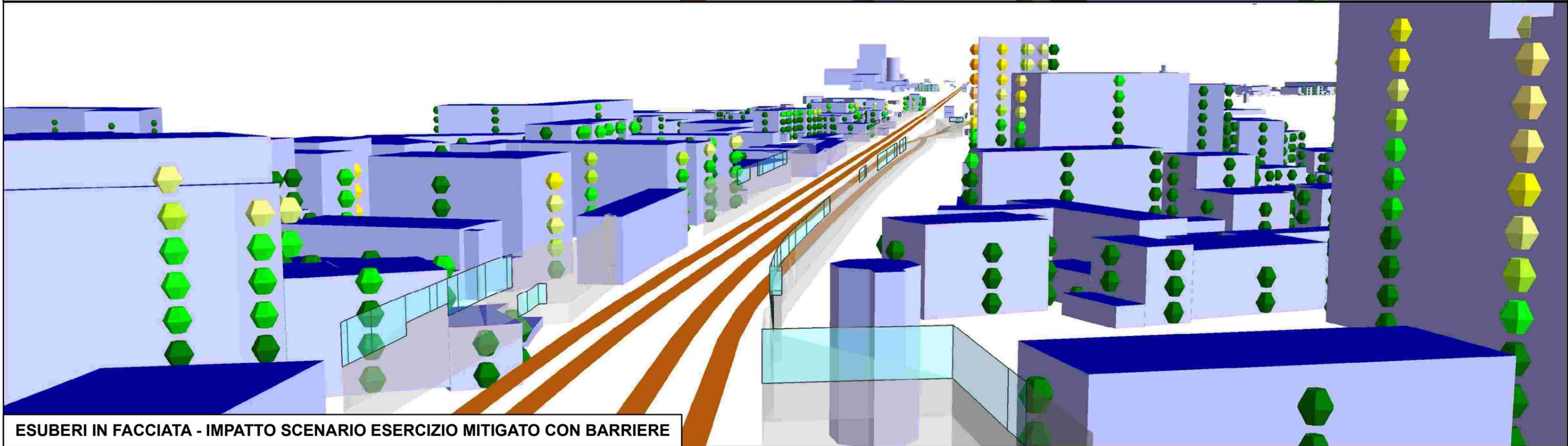
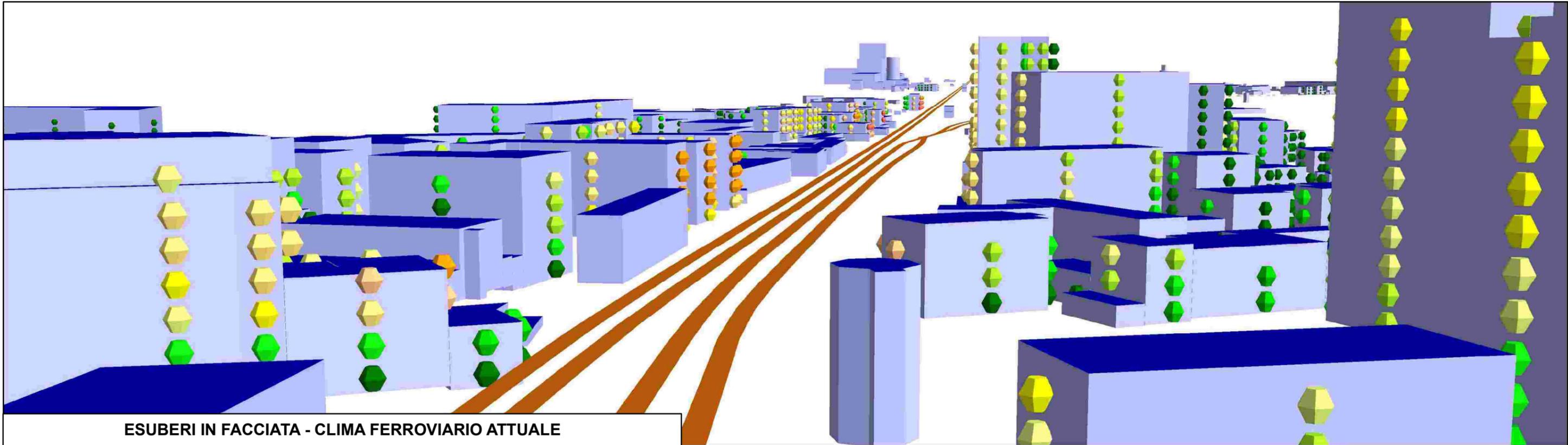
LEGENDA:

-  Ricettori
-  Binari

Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





LEGENDA:

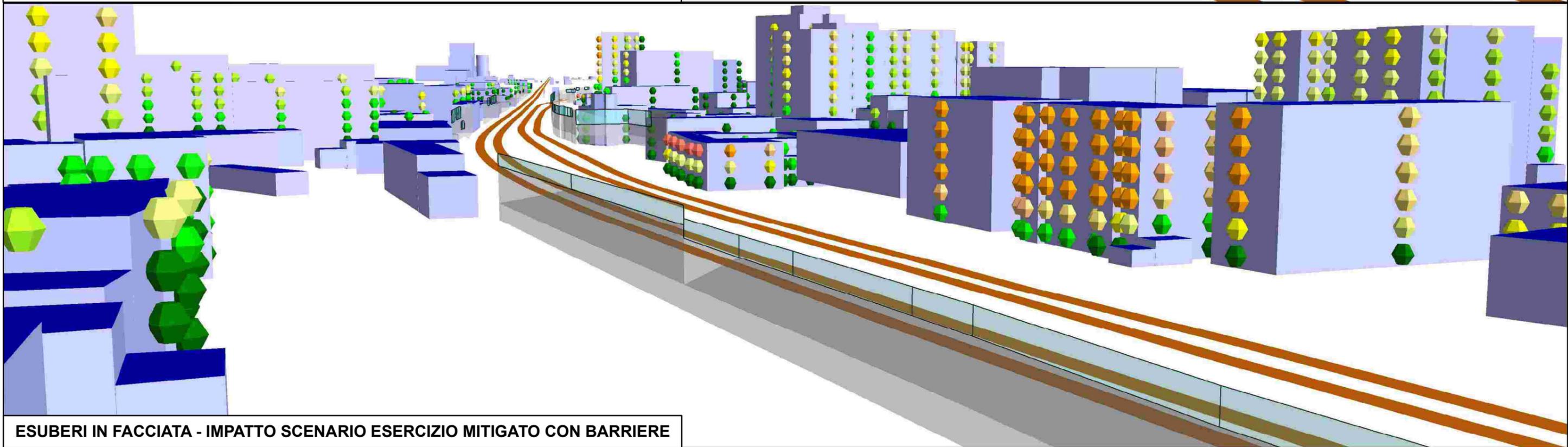
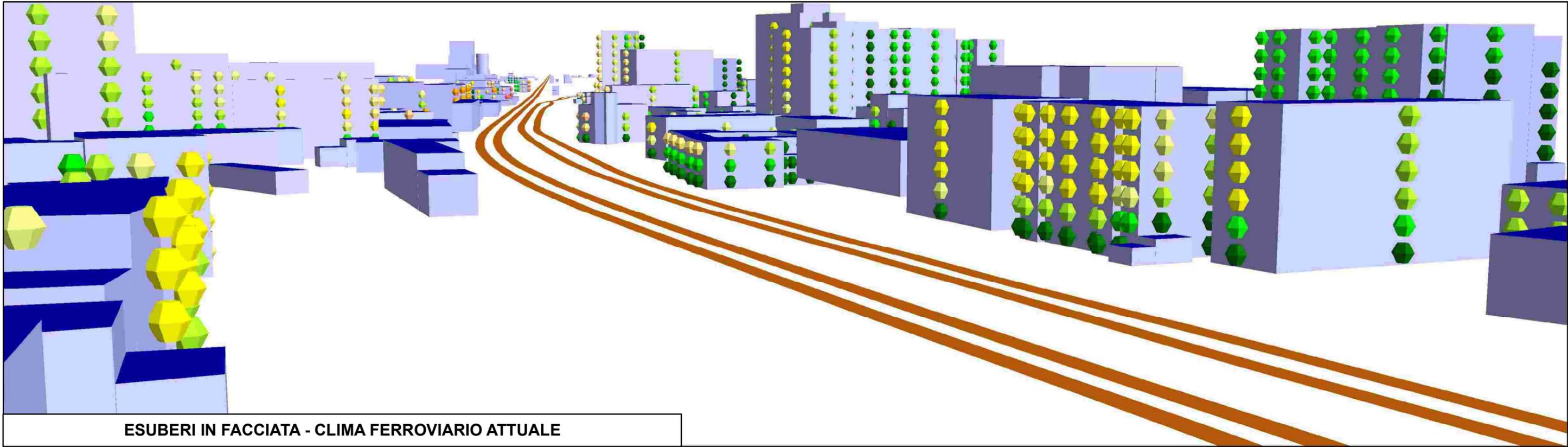
Ricettori

Binari

Esuberi dei livelli di rumore in facciata [dBA]

E < -10	-5 < E < -2.5	2.5 < E < 5	10 < E < 12.5
-10 < E < -7.5	-2.5 < E < -0	5 < E < 7.5	E > 12.5
-7.5 < E < -5	0 < E < 2.5	7.5 < E < 10	





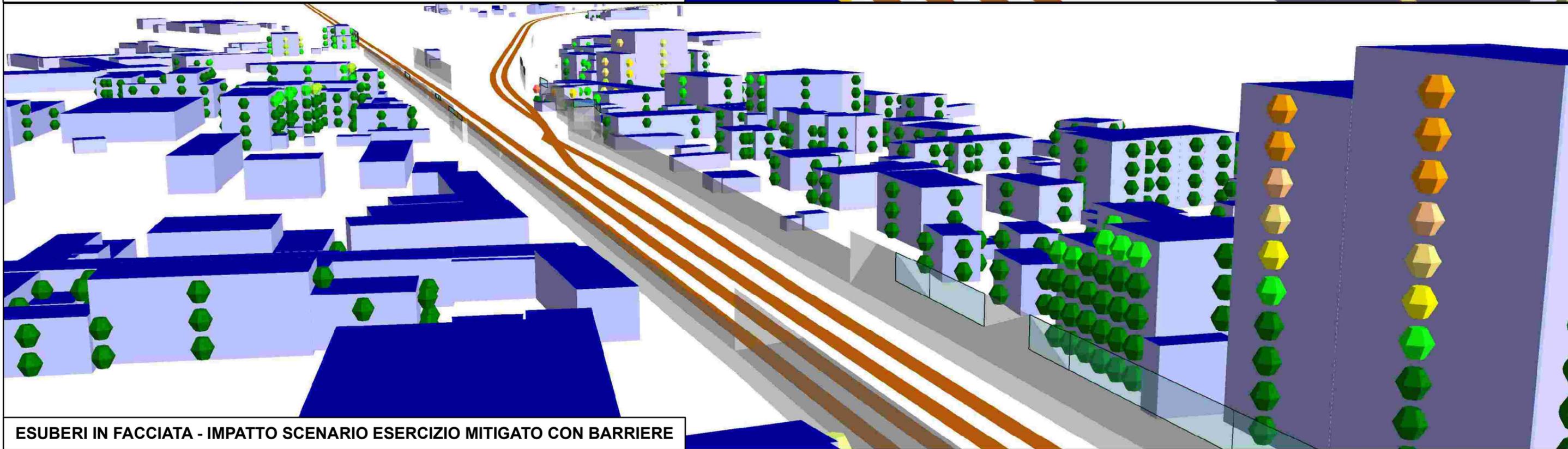
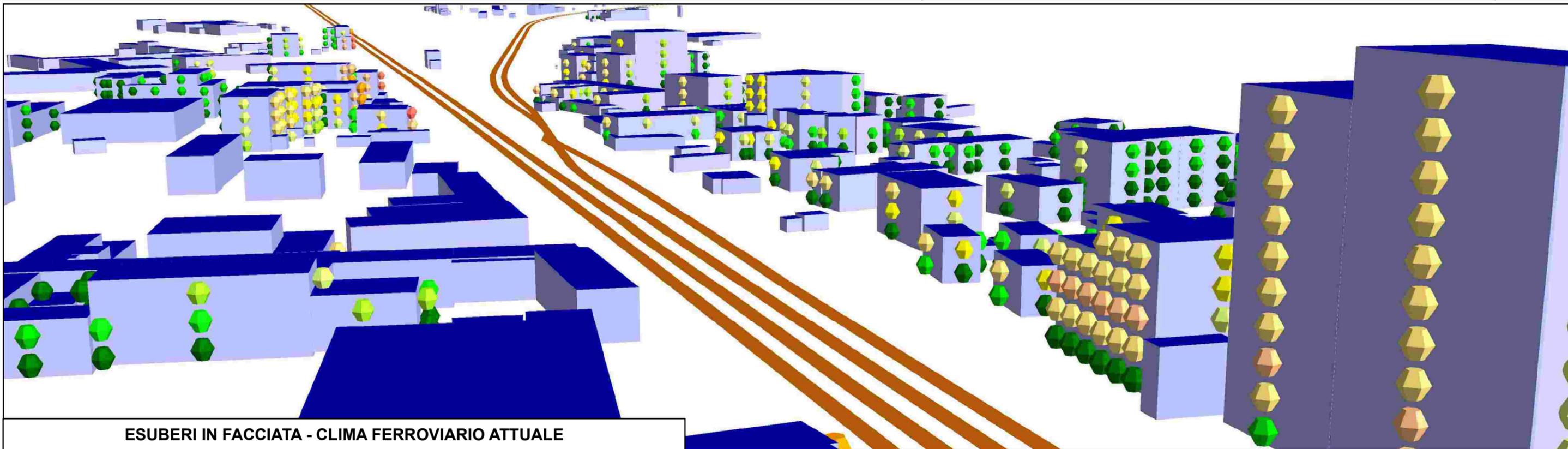
LEGENDA:

-  Ricettori
-  Binari

Esuberi dei livelli di rumore in facciata [dBA]

 $E < -10$	 $-5 < E < -2.5$	 $2.5 < E < 5$	 $10 < E < 12.5$
 $-10 < E < -7.5$	 $-2.5 < E < -0$	 $5 < E < 7.5$	 $E > 12.5$
 $-7.5 < E < -5$	 $0 < E < 2.5$	 $7.5 < E < 10$	





LEGENDA:

-  Ricettori
-  Binari

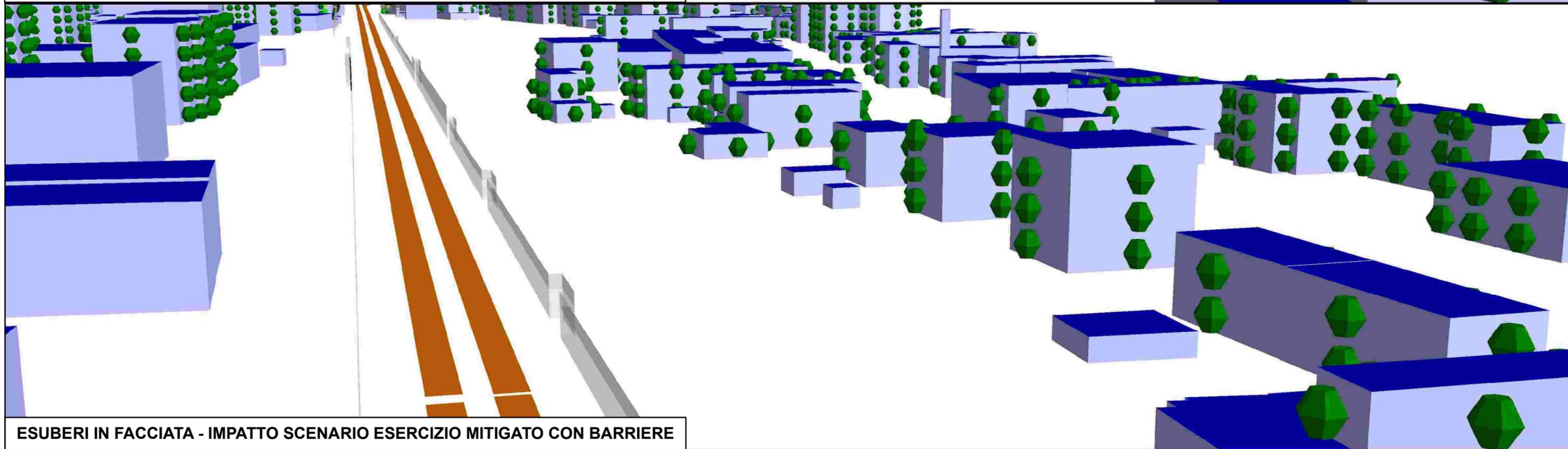
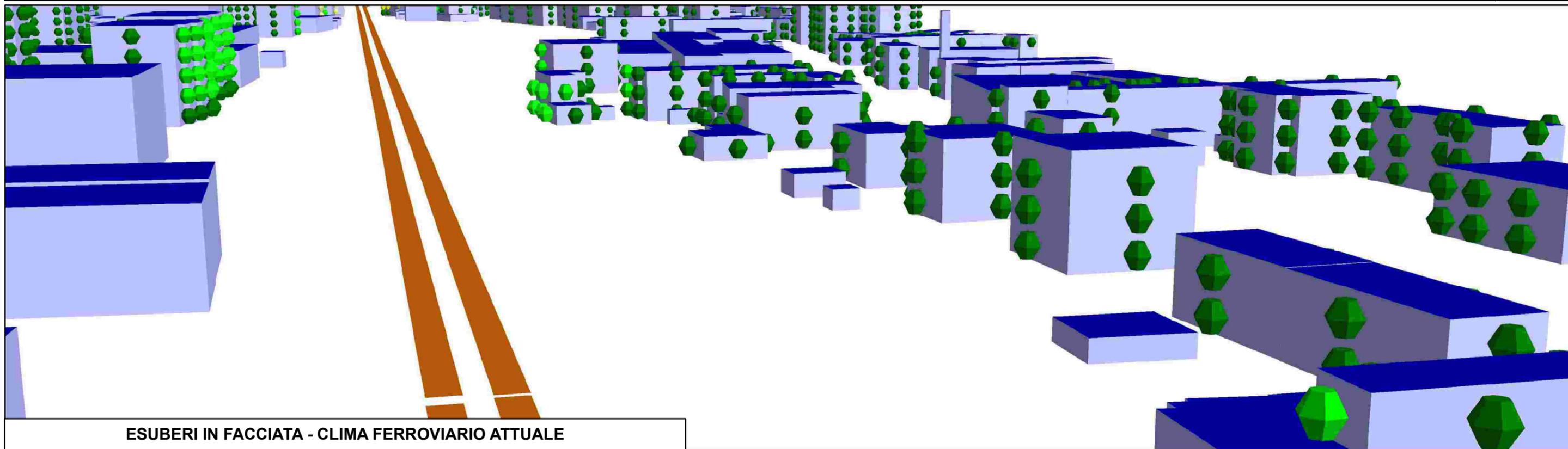
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |



GENERAL CONTRACTOR 	ALTA SORVEGLIANZA 
	A301-0X-D-CV-SD-IM00-00-007-A00 Acustica

ALG_27 - Viste 3D Esuberi in facciata clima ferroviario attuale e scenario di progetto mitigato - Area urbana di Novi Ligure - Periodo Diurno Leq(6-22) - Scenario di Prima Fase

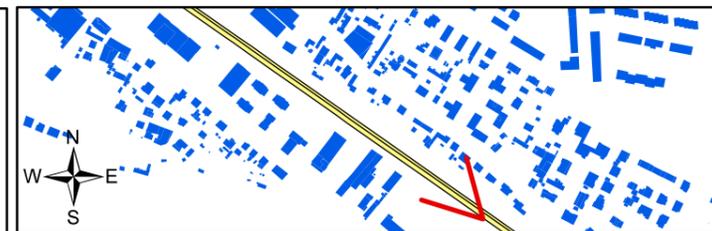


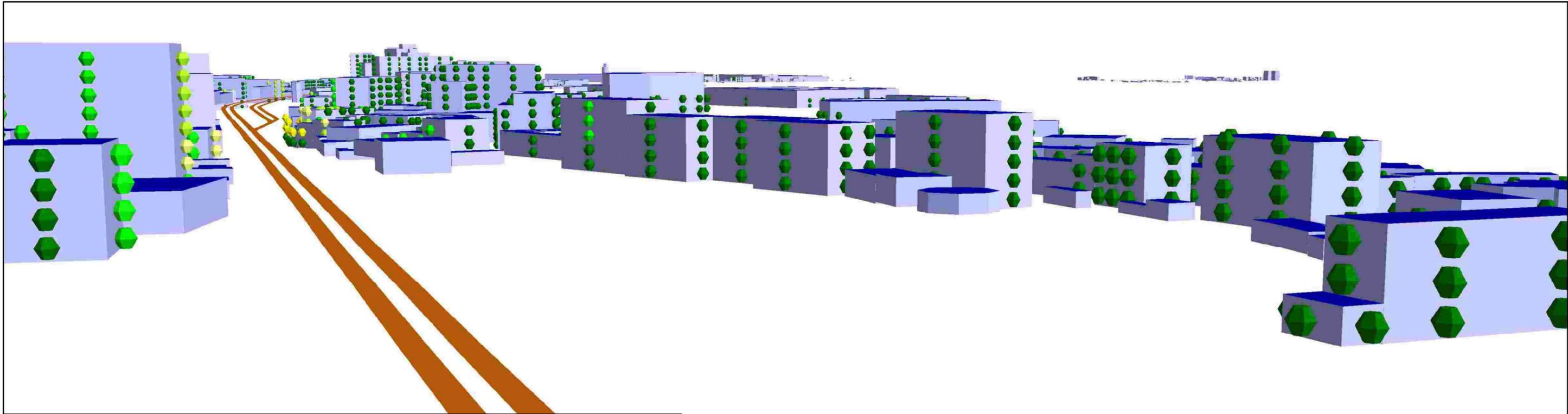
LEGENDA:

-  Ricettori
-  Binari

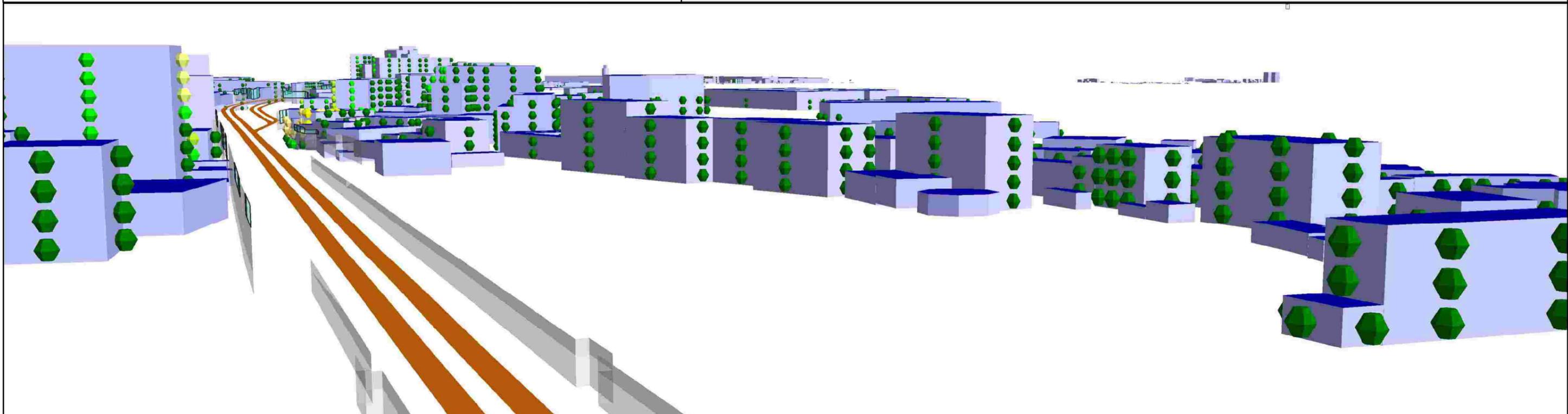
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

LEGENDA:



Ricettori

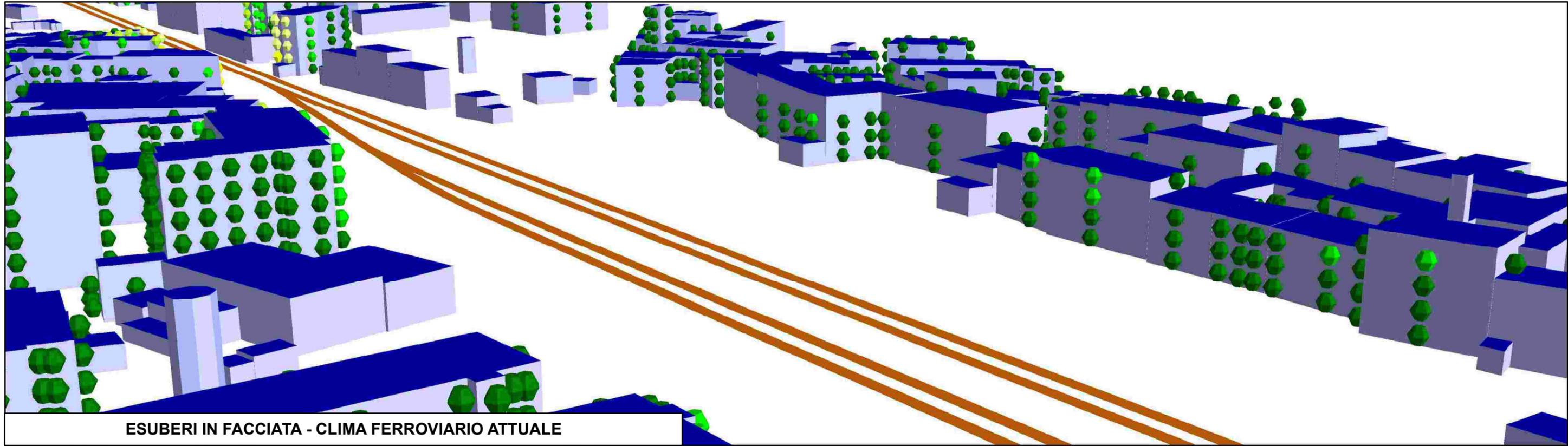


Binari

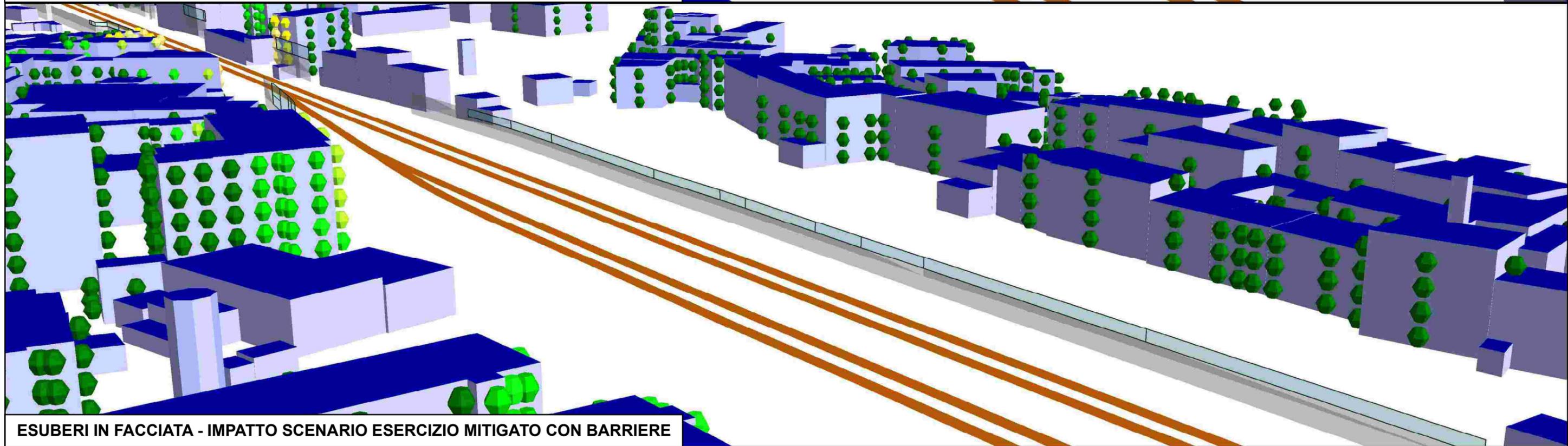
Esuberi dei livelli di rumore in facciata [dBA]

E < -10	-5 < E < -2.5	2.5 < E < 5	10 < E < 12.5
-10 < E < -7.5	-2.5 < E < -0	5 < E < 7.5	E > 12.5
-7.5 < E < -5	0 < E < 2.5	7.5 < E < 10	





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

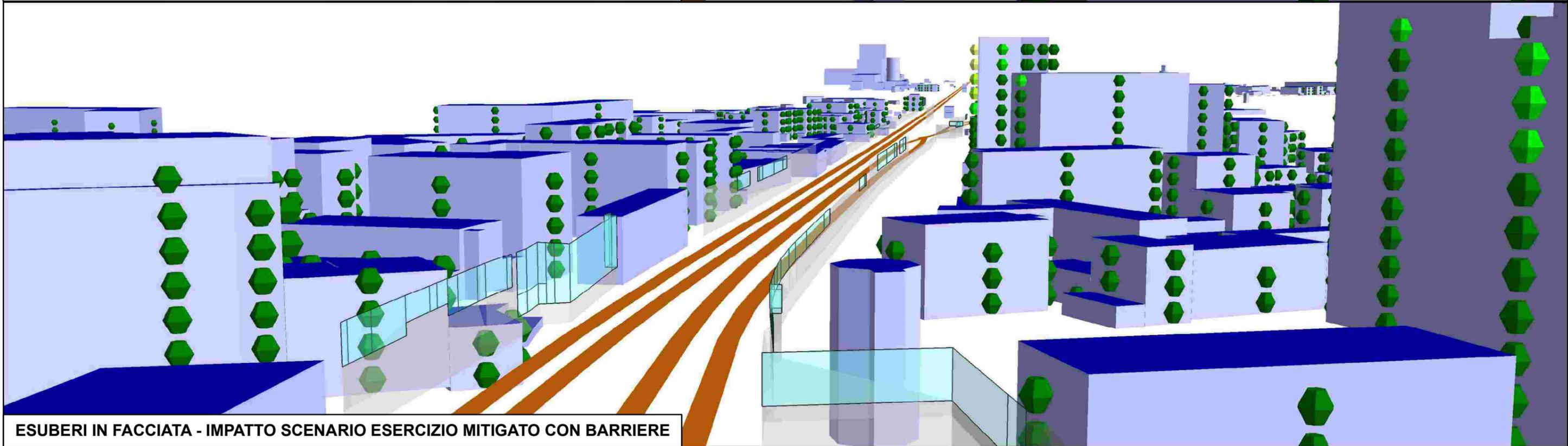
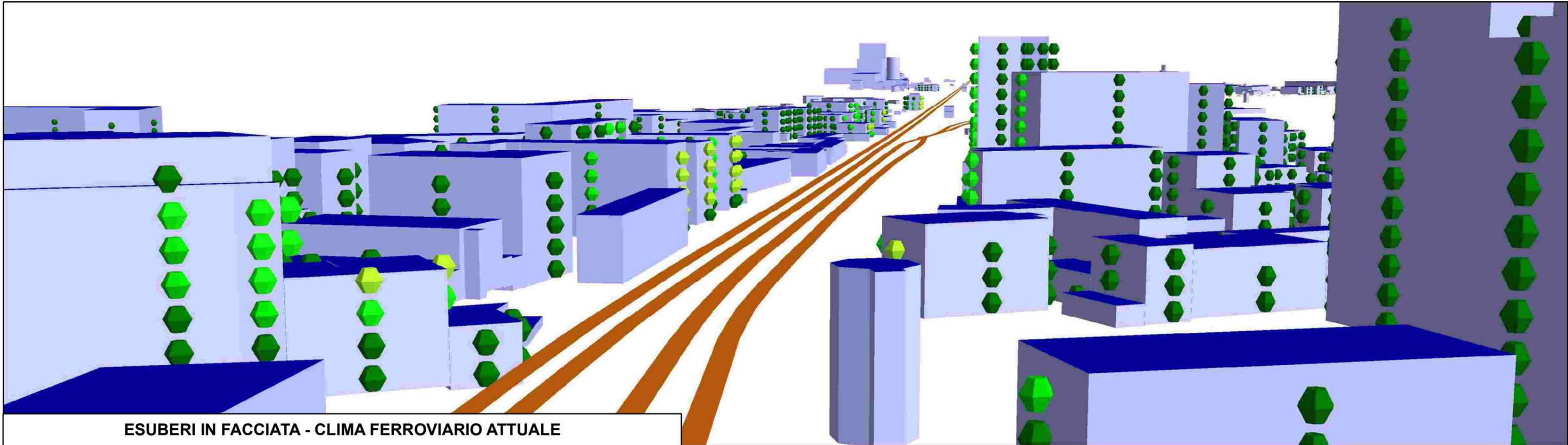
LEGENDA:

-  Ricettori
-  Binari

Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





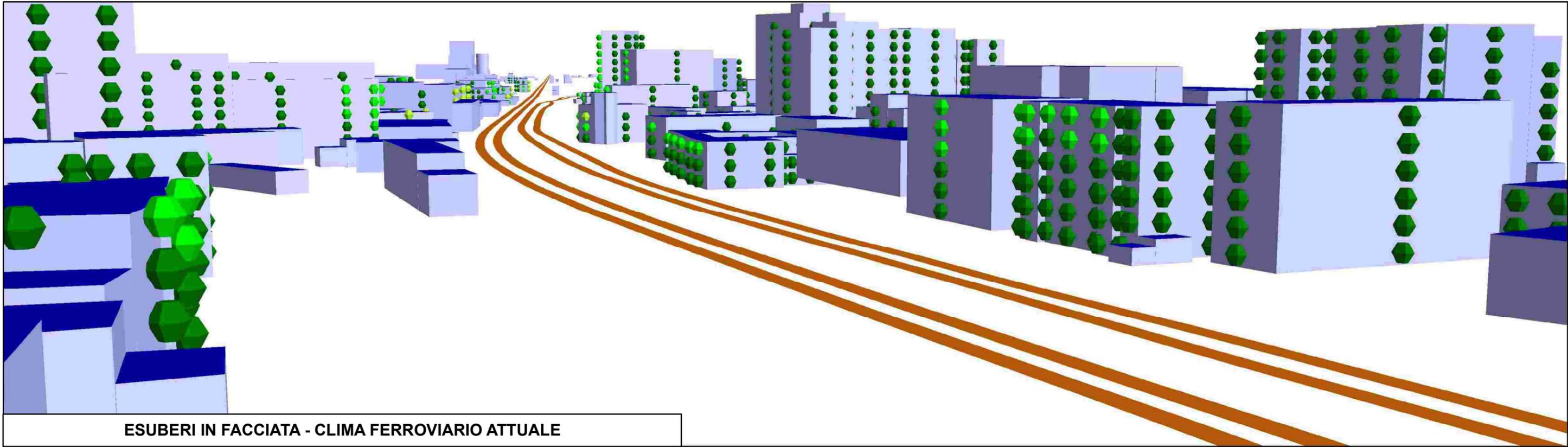
LEGENDA:

-  Ricettori
-  Binari

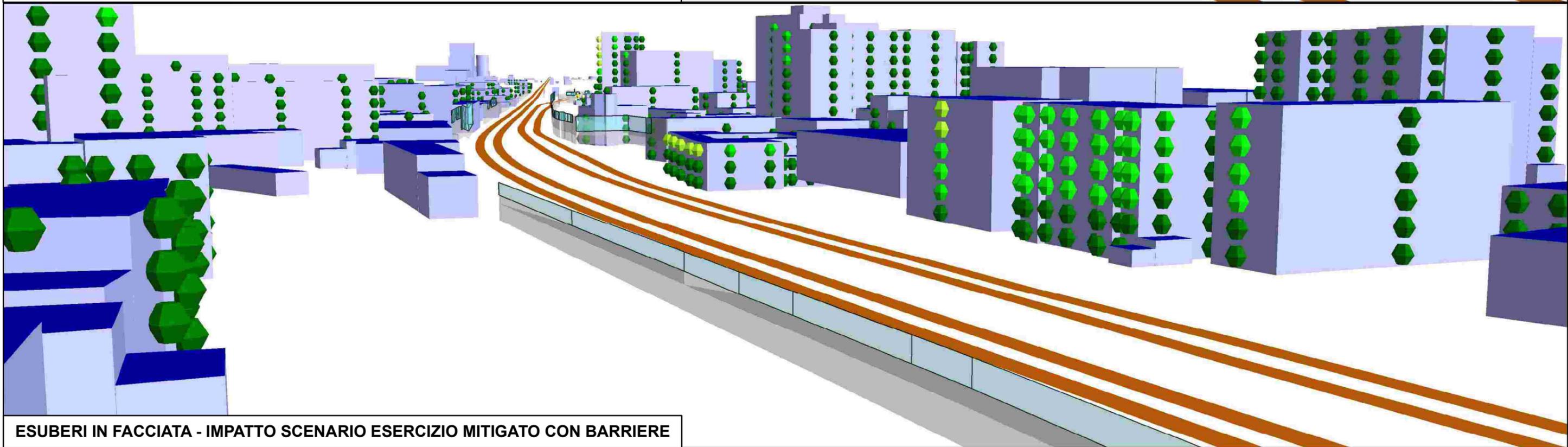
Esuberi dei livelli di rumore in facciata [dBA]

 $E < -10$	 $-5 < E < -2.5$	 $2.5 < E < 5$	 $10 < E < 12.5$
 $-10 < E < -7.5$	 $-2.5 < E < -0$	 $5 < E < 7.5$	 $E > 12.5$
 $-7.5 < E < -5$	 $0 < E < 2.5$	 $7.5 < E < 10$	





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

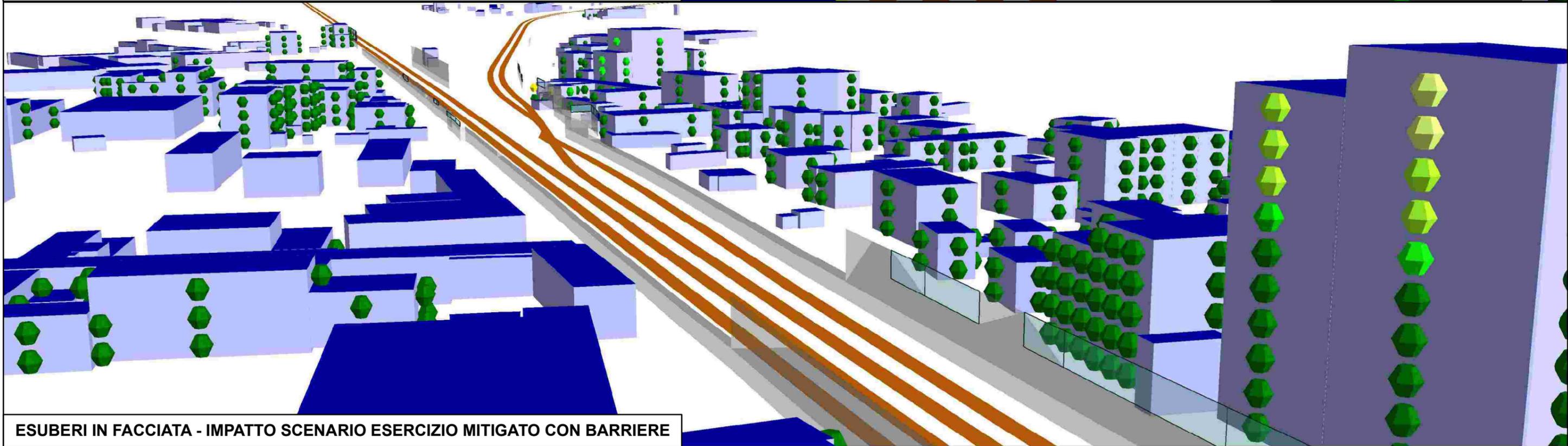
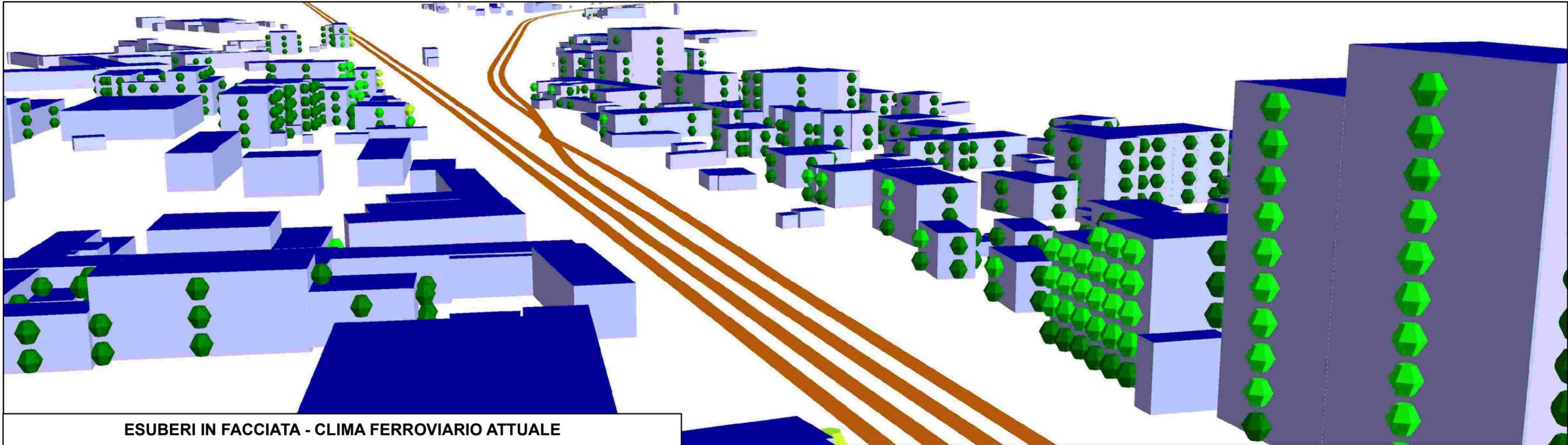
LEGENDA:

-  Ricettori
-  Binari

Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





LEGENDA:

 Ricettori

 Binari

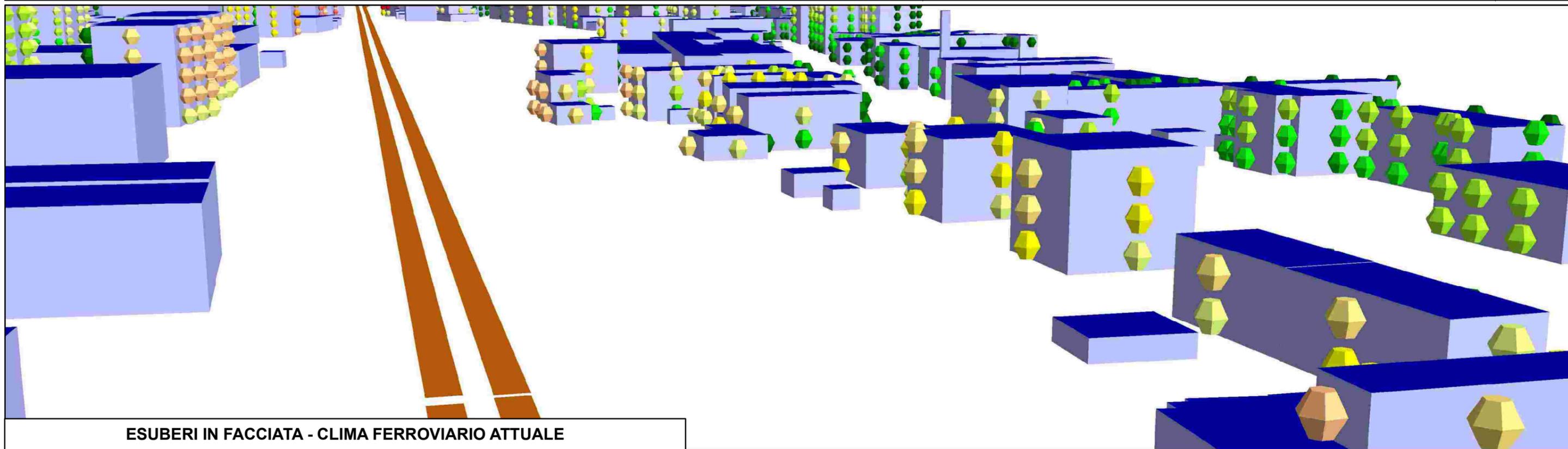
Esuberi dei livelli di rumore in facciata [dBA]

 $E < -10$	 $-5 < E < -2.5$	 $2.5 < E < 5$	 $10 < E < 12.5$
 $-10 < E < -7.5$	 $-2.5 < E < -0$	 $5 < E < 7.5$	 $E > 12.5$
 $-7.5 < E < -5$	 $0 < E < 2.5$	 $7.5 < E < 10$	

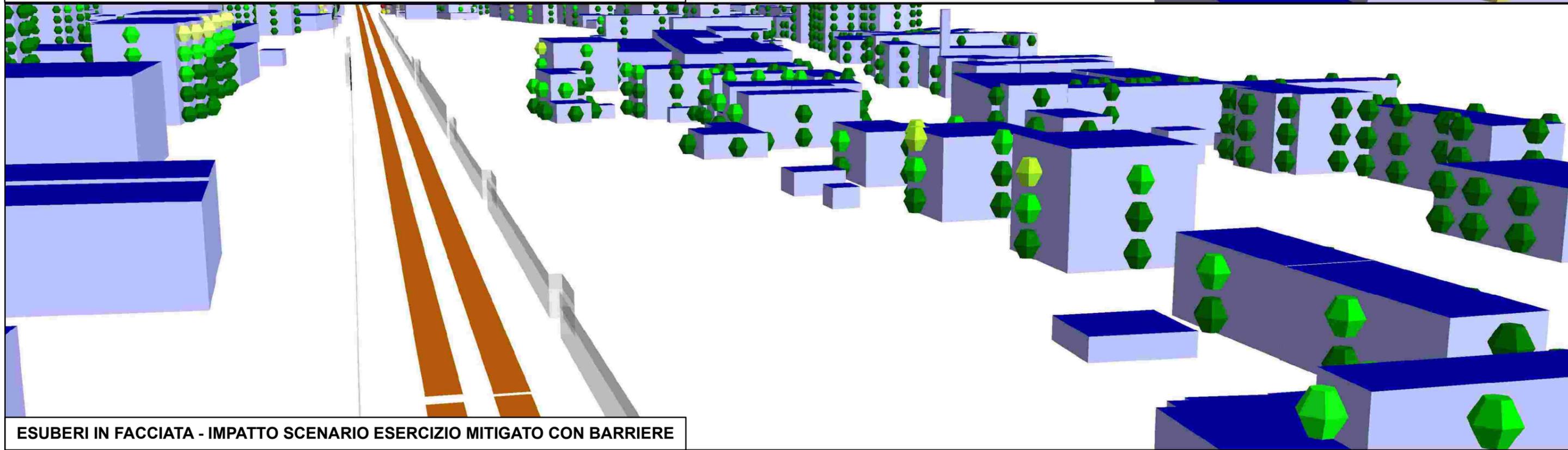


GENERAL CONTRACTOR 	ALTA SORVEGLIANZA 
	A301-0X-D-CV-SD-IM00-00-007-A00 Acustica

ALG_28 - Viste 3D Esuberi in facciata clima ferroviario attuale e scenario di progetto mitigato - Area urbana di Novi Ligure - Periodo Notturno Leq(22-6) - Scenario di Prima Fase



ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



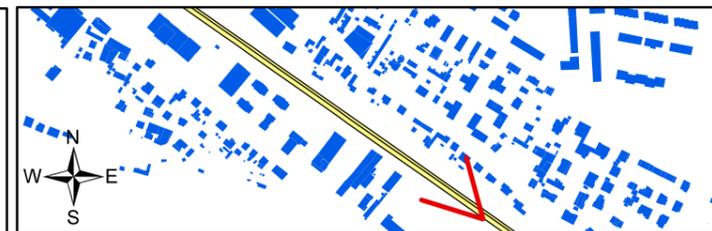
ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

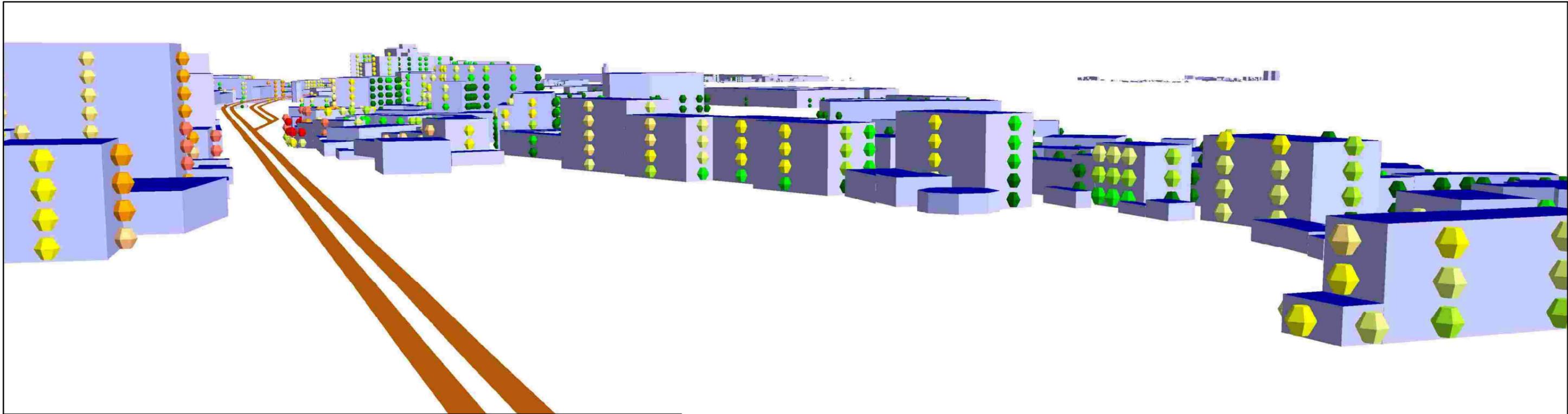
LEGENDA:

-  Ricettori
-  Binari

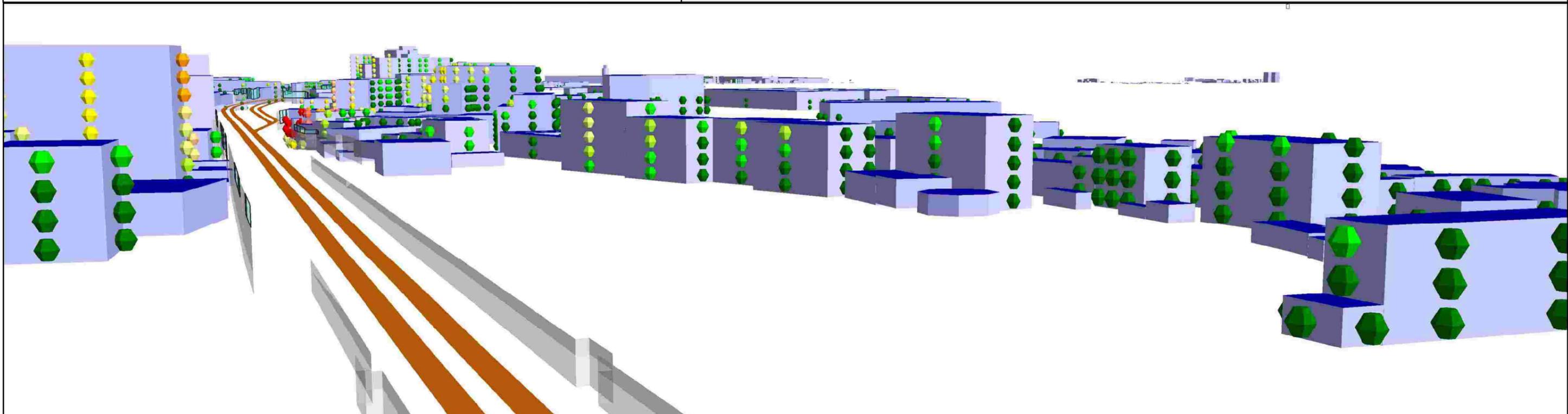
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

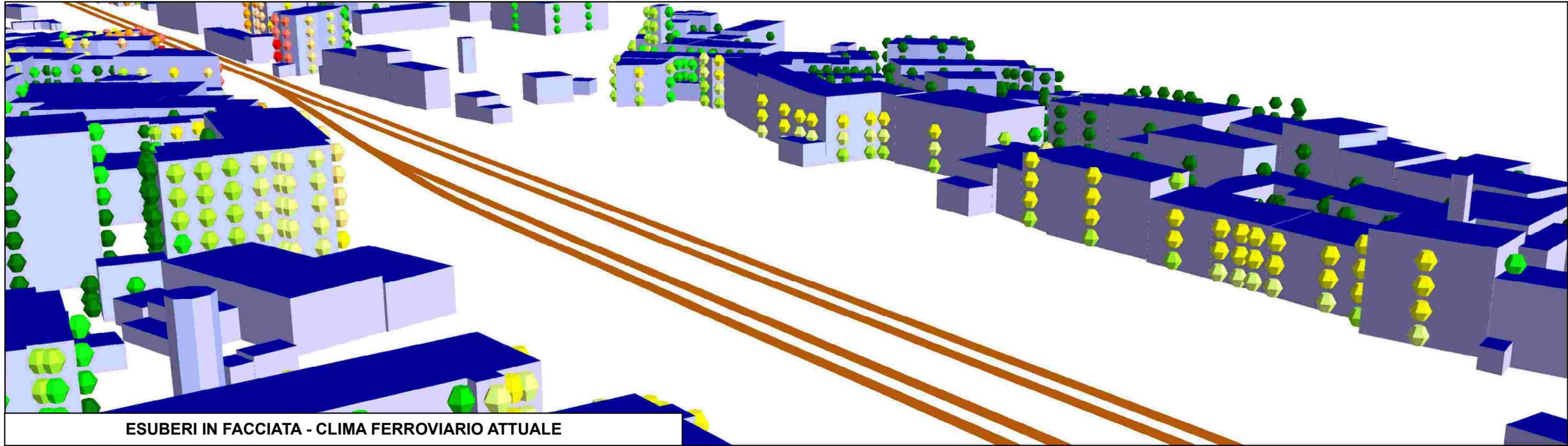
LEGENDA:

-  Ricettori
-  Binari

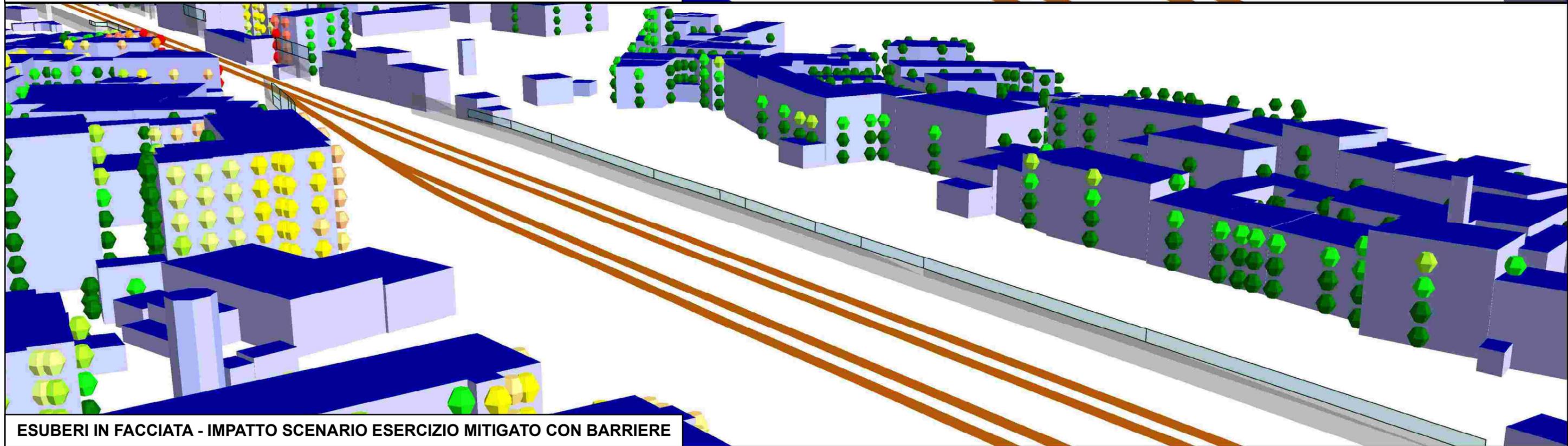
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

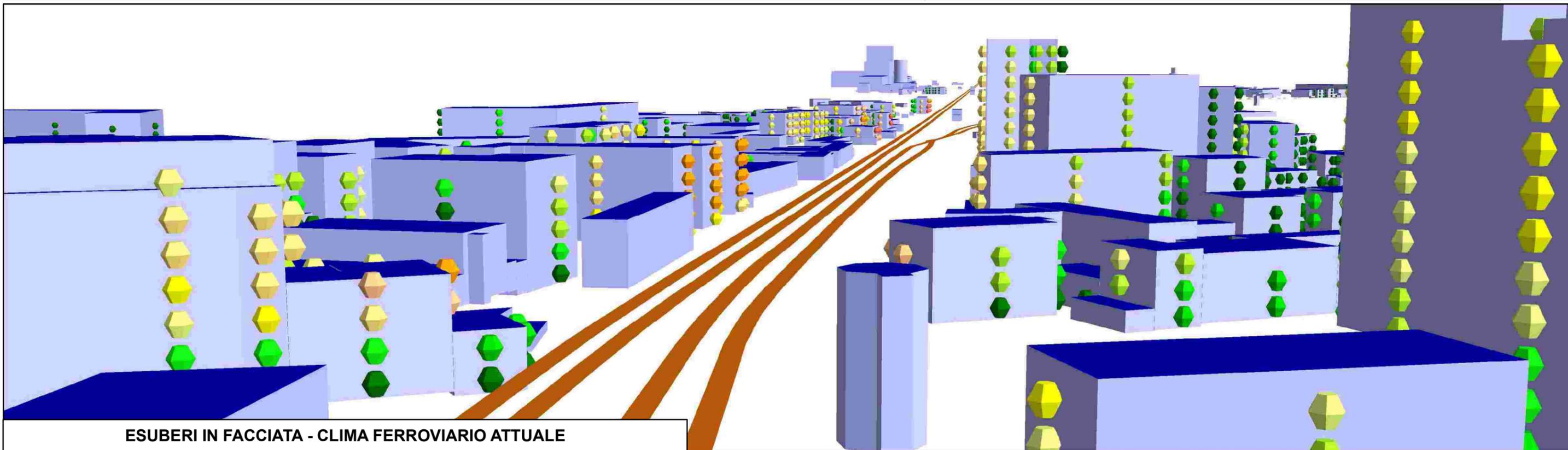
LEGENDA:

-  Ricettori
-  Binari

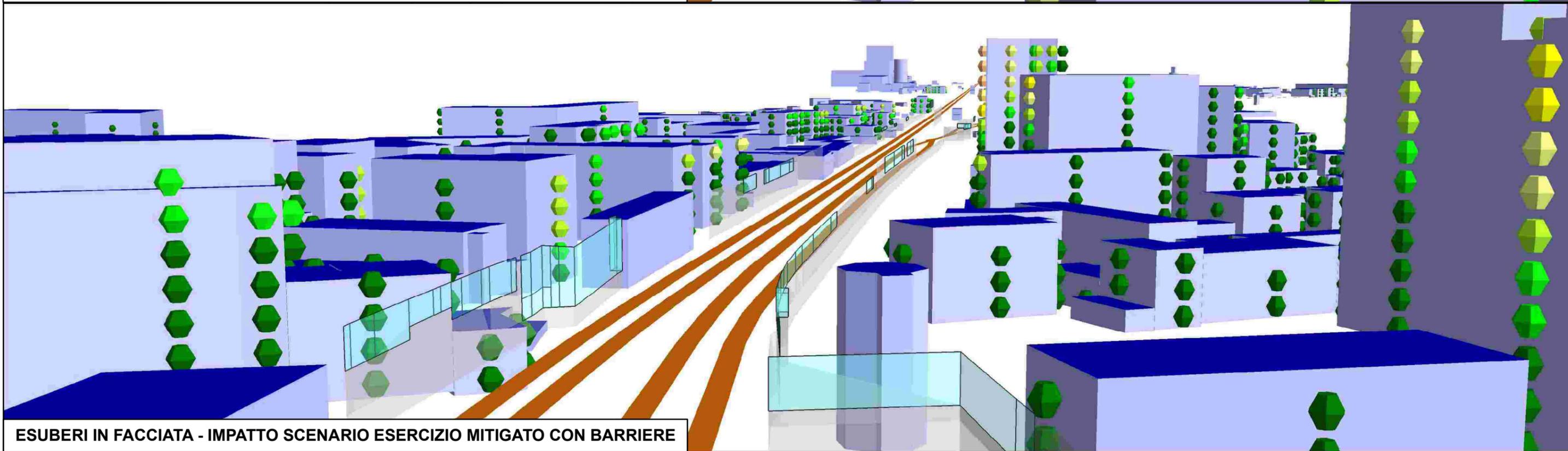
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

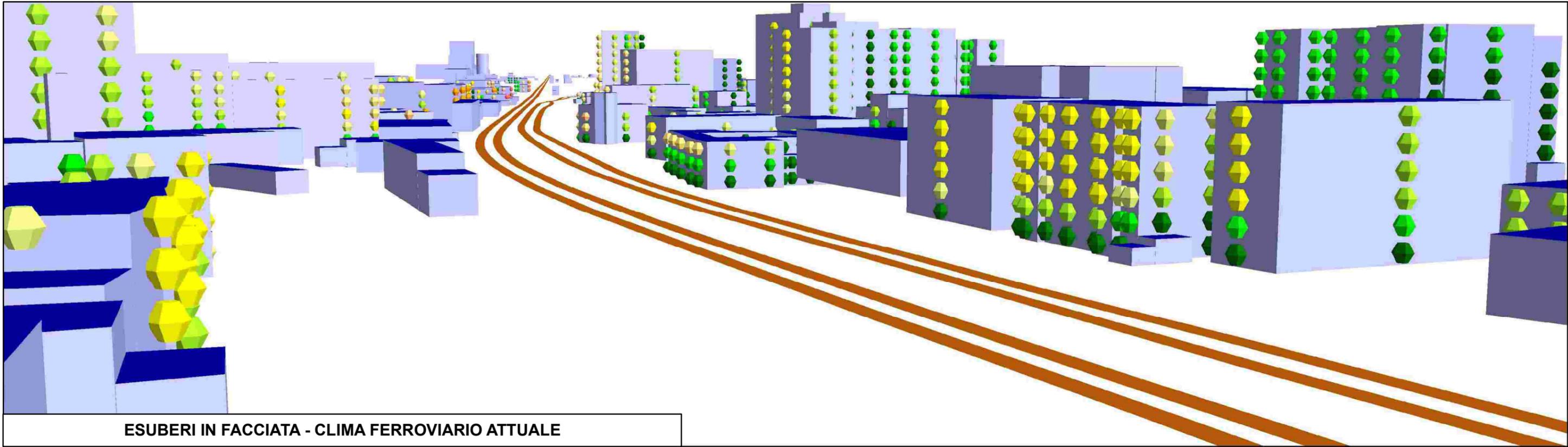
LEGENDA:

-  Ricettori
-  Binari

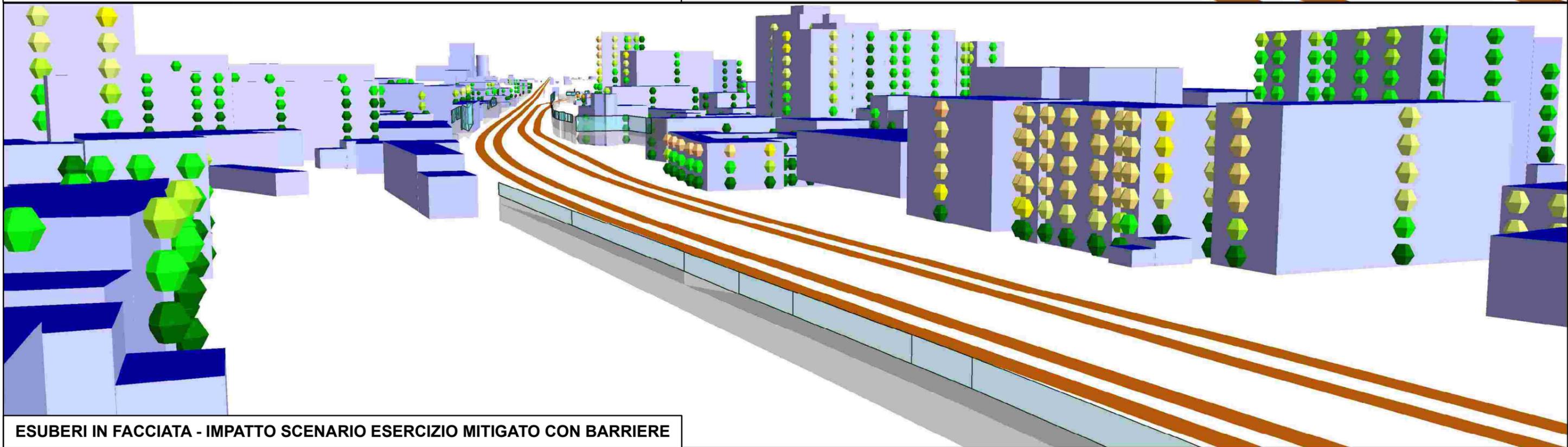
Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





ESUBERI IN FACCIATA - CLIMA FERROVIARIO ATTUALE



ESUBERI IN FACCIATA - IMPATTO SCENARIO ESERCIZIO MITIGATO CON BARRIERE

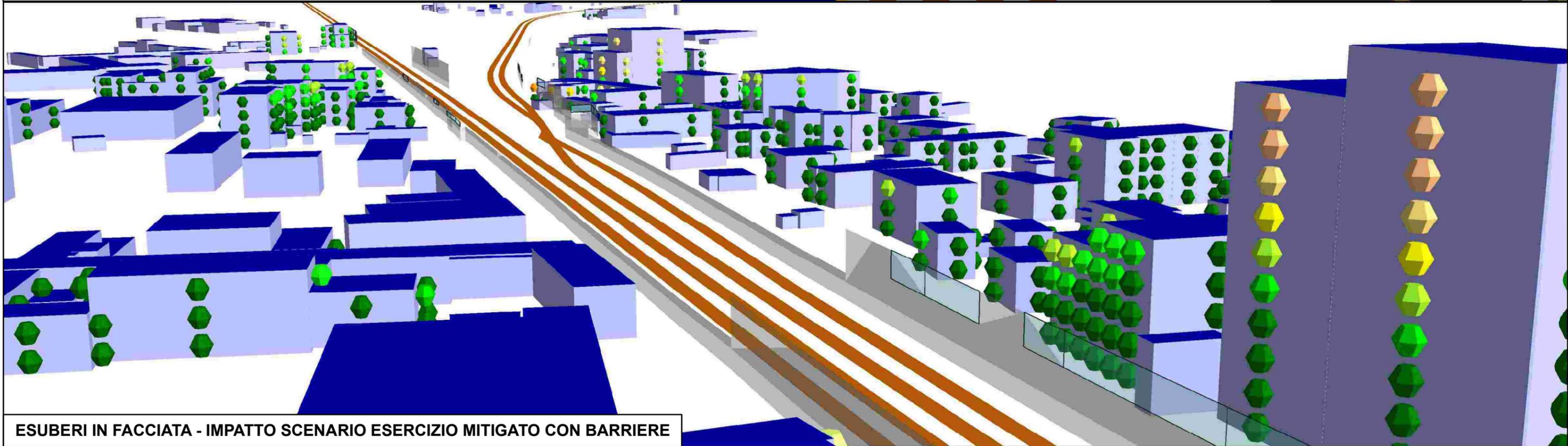
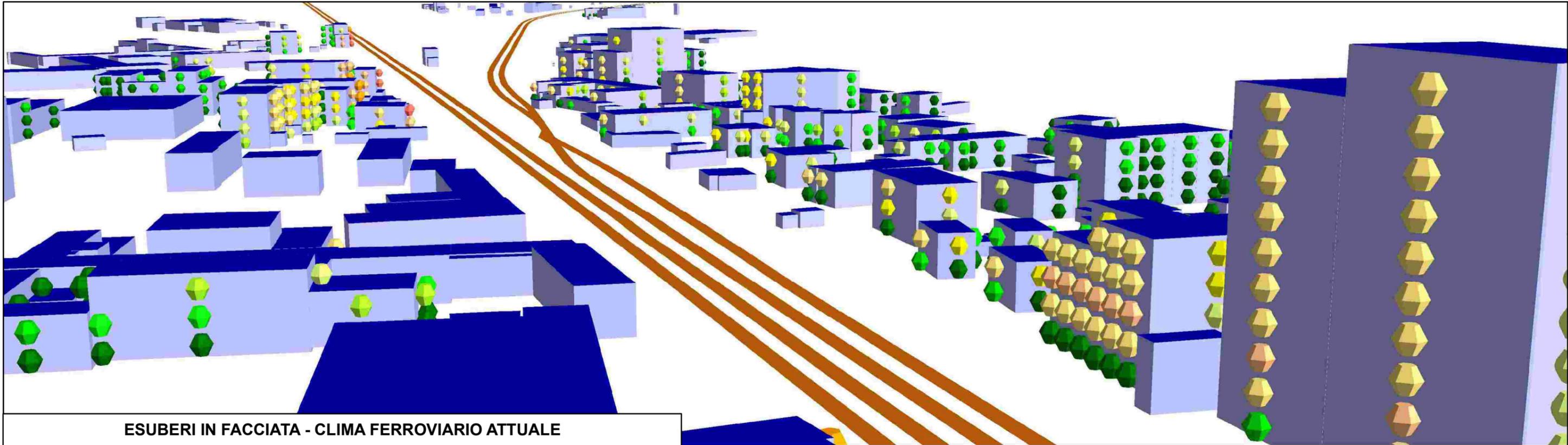
LEGENDA:

-  Ricettori
-  Binari

Esuberi dei livelli di rumore in facciata [dBA]

- | | | | |
|--|---|--|---|
|  $E < -10$ |  $-5 < E < -2.5$ |  $2.5 < E < 5$ |  $10 < E < 12.5$ |
|  $-10 < E < -7.5$ |  $-2.5 < E < -0$ |  $5 < E < 7.5$ |  $E > 12.5$ |
|  $-7.5 < E < -5$ |  $0 < E < 2.5$ |  $7.5 < E < 10$ | |





LEGENDA:

Ricettori

Binari

Esuberi dei livelli di rumore in facciata [dBA]

$E < -10$	$-5 < E < -2.5$	$2.5 < E < 5$	$10 < E < 12.5$
$-10 < E < -7.5$	$-2.5 < E < -0$	$5 < E < 7.5$	$E > 12.5$
$-7.5 < E < -5$	$0 < E < 2.5$	$7.5 < E < 10$	

