



PROTEZIONE CIVILE
 Presidenza del Consiglio dei Ministri
 Dipartimento della Protezione Civile



Regione Emilia-Romagna



CONFERENZA DELLE REGIONI E
 DELLE PROVINCE AUTONOME

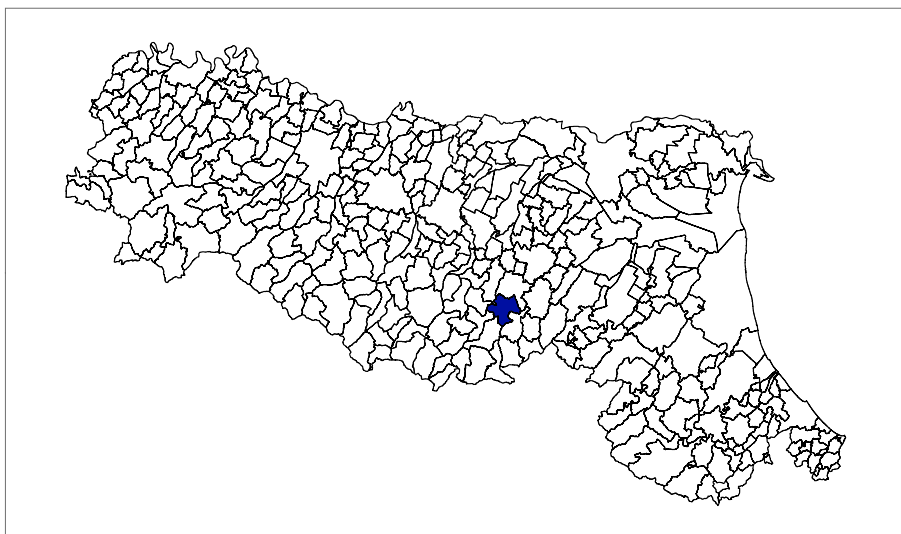
Attuazione dell'articolo 11 della legge 24 giugno 2009, n.77

MICROZONAZIONE SISMICA

Analisi geologico tecnica e microzonazione sismica del territorio di Marzabotto

Indagini geofisiche di nuova esecuzione

Regione Emilia-Romagna Piano Strutturale Comunale in Forma Associata dei Comuni di Marzabotto e Vergato



<p>Regione Emilia Romagna</p> <p><i>Studio realizzato con il contributo di cui all'OPCM 4007/2012.</i></p> <p><i>Coordinamento della Regione Emilia-Romagna – Servizio Geologico</i> Luca Martelli</p>	<p>Soggetto realizzatore Studio Geologico CENTROGEO</p> <p><i>Progetto:</i> Gian Pietro Mazzetti</p> <p><i>Collaboratori:</i> Stefano Gilli, Andrea Arbizzi, Mauro Mazzetti</p> <p><i>Elaborazioni GIS:</i> Studio Benaglia</p>	<p>Comune di Marzabotto</p> <p><i>Sindaco:</i> Romano Franchi</p> <p><i>Assessore all'Urbanistica:</i> Valerio Bignami</p> <p><i>Ufficio di Piano Associato:</i> Marco Teglia, Carmelina Cava, Giampaolo Zaccanti</p>
 <p>Provincia di Bologna</p>	<p>Professionisti Associati Corrado Ugoletti</p>	<p>Data Aprile 2014</p>

INDAGINI GEOFISICHE REMI / MASW

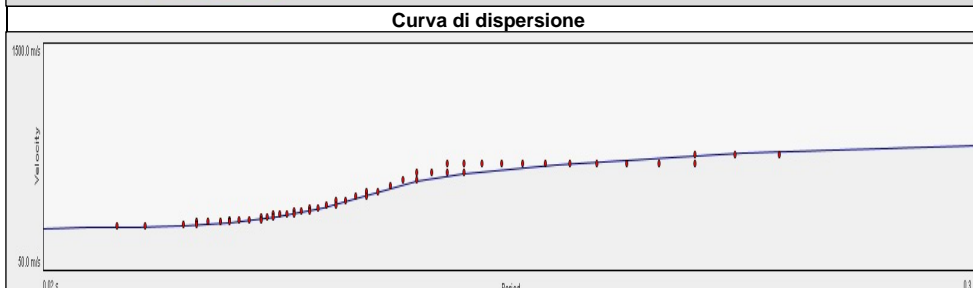
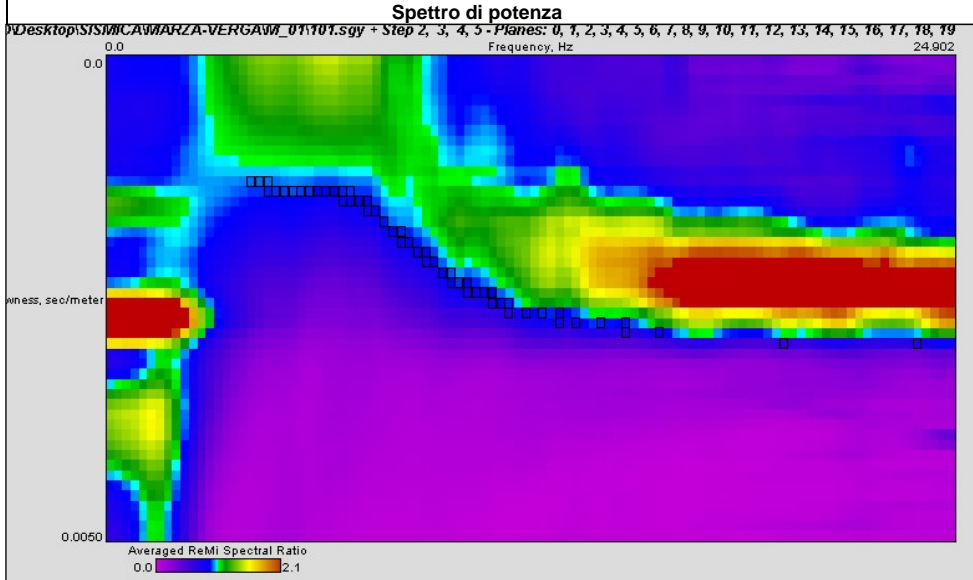
STUDIO GEOLOGICO CENTROGEO

42015 Correggio (RE) - Piazza S. Quirino, 6 - tel 0522/641001 - Fax: 632162

CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

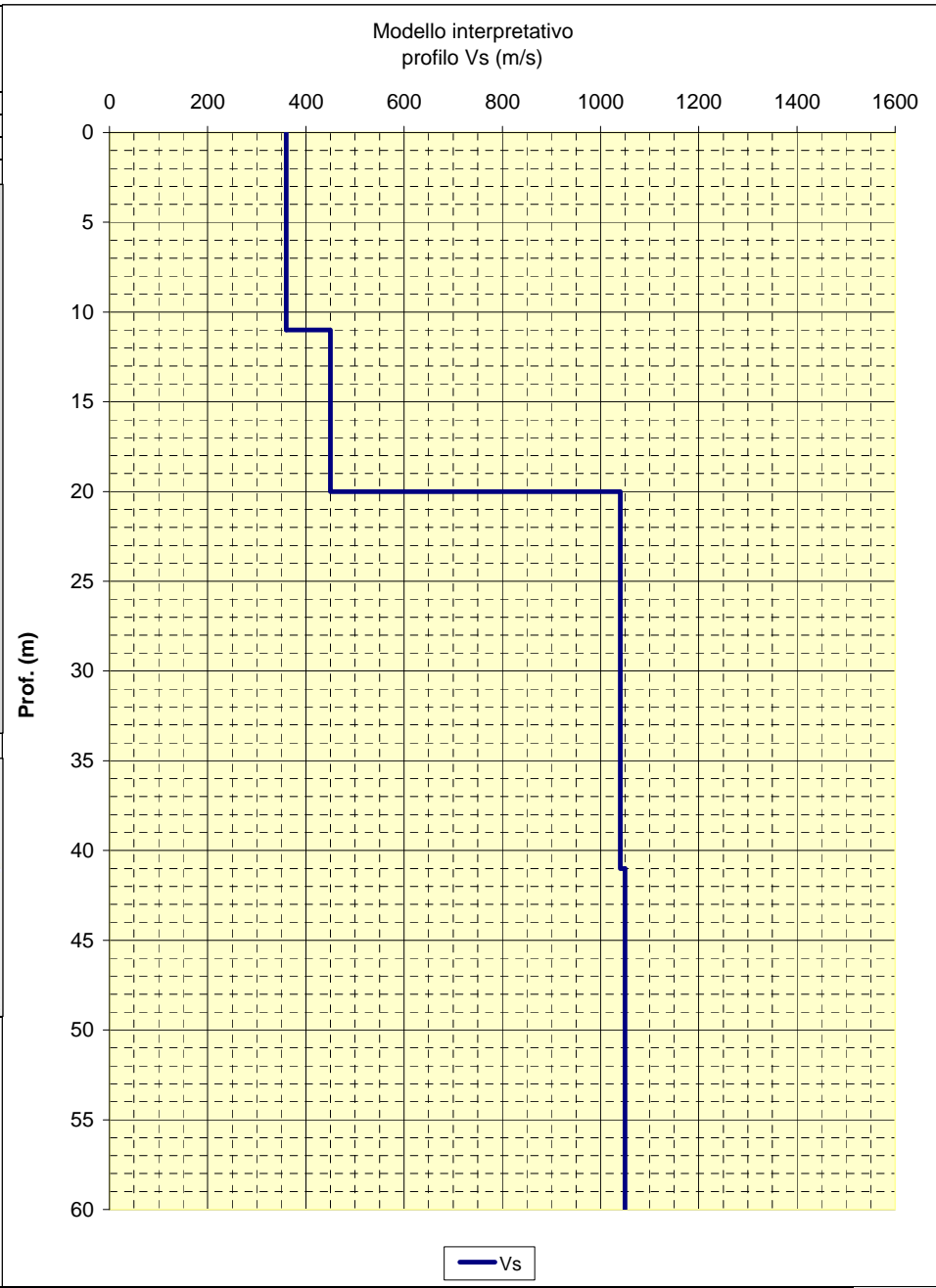
INDAGINE MASW/Re.Mi.
R01

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 17-10-2013 CANTIERE: Pioppe di Salvaro
 QUOTA: 135 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



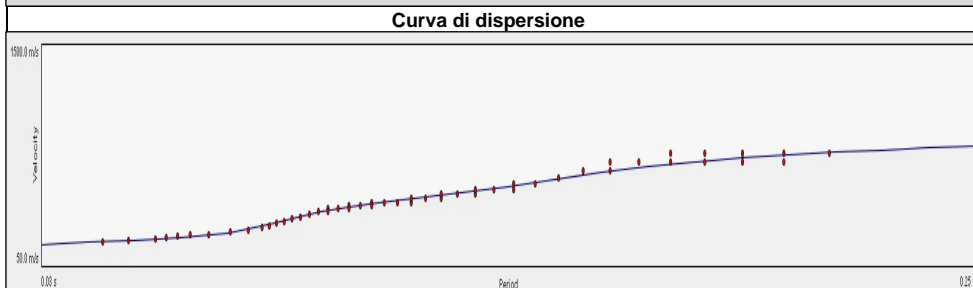
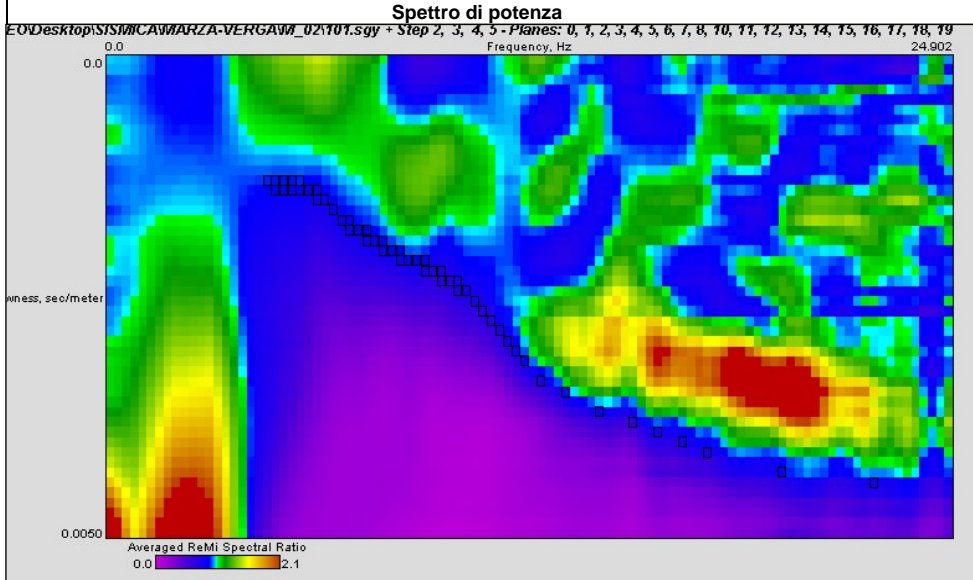
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	11	11	360
2	11	20	9	450
3	20	41	21	1040
4	41	INF	INF	1050
5				
6				
7				
8				
9				
10				



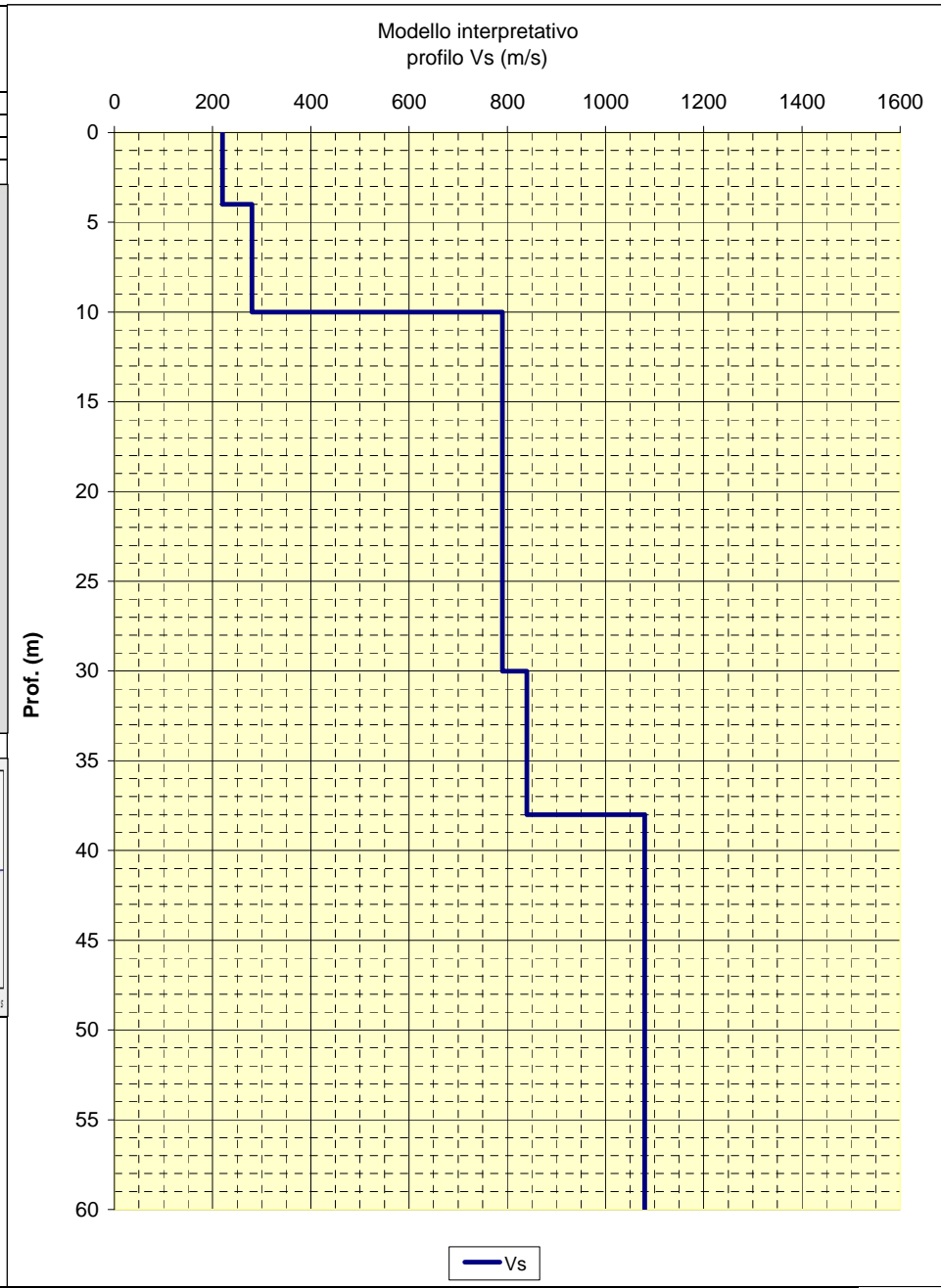
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R02
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 17-10-2013	CANTIERE: Sibano
QUOTA: 140 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



Note:

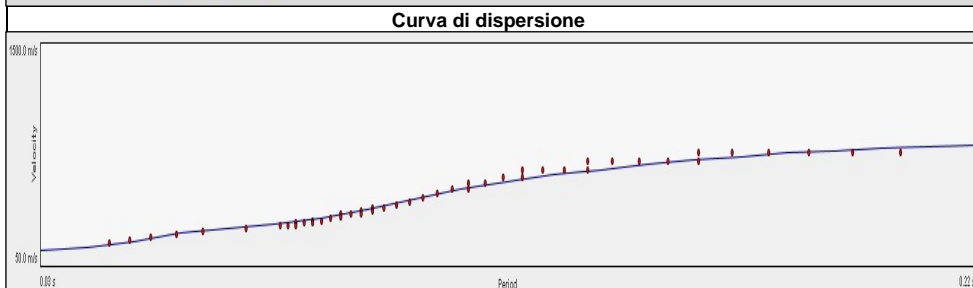
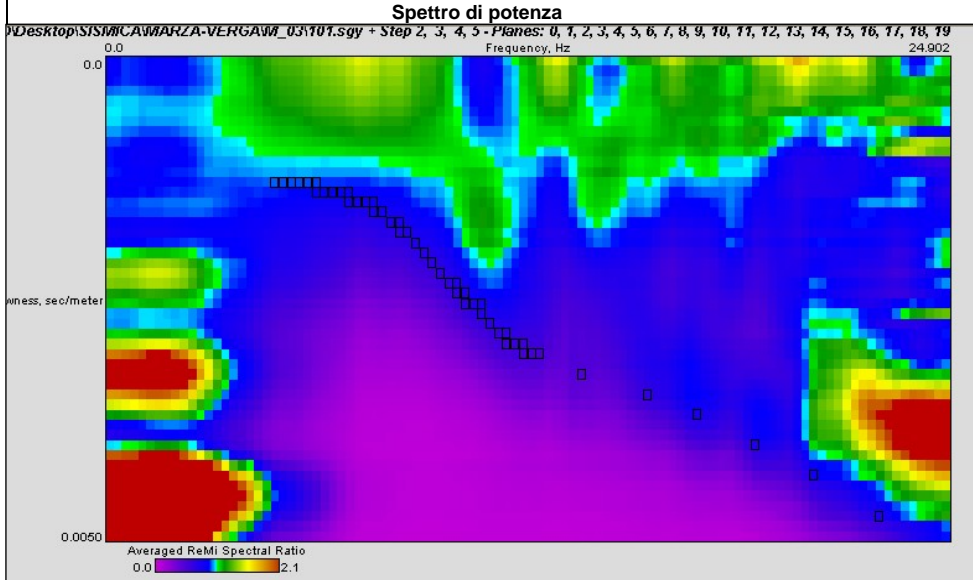
Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	4	4	220
2	4	10	6	280
3	10	30	20	790
4	30	38	8	840
5	38	INF	INF	1080
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

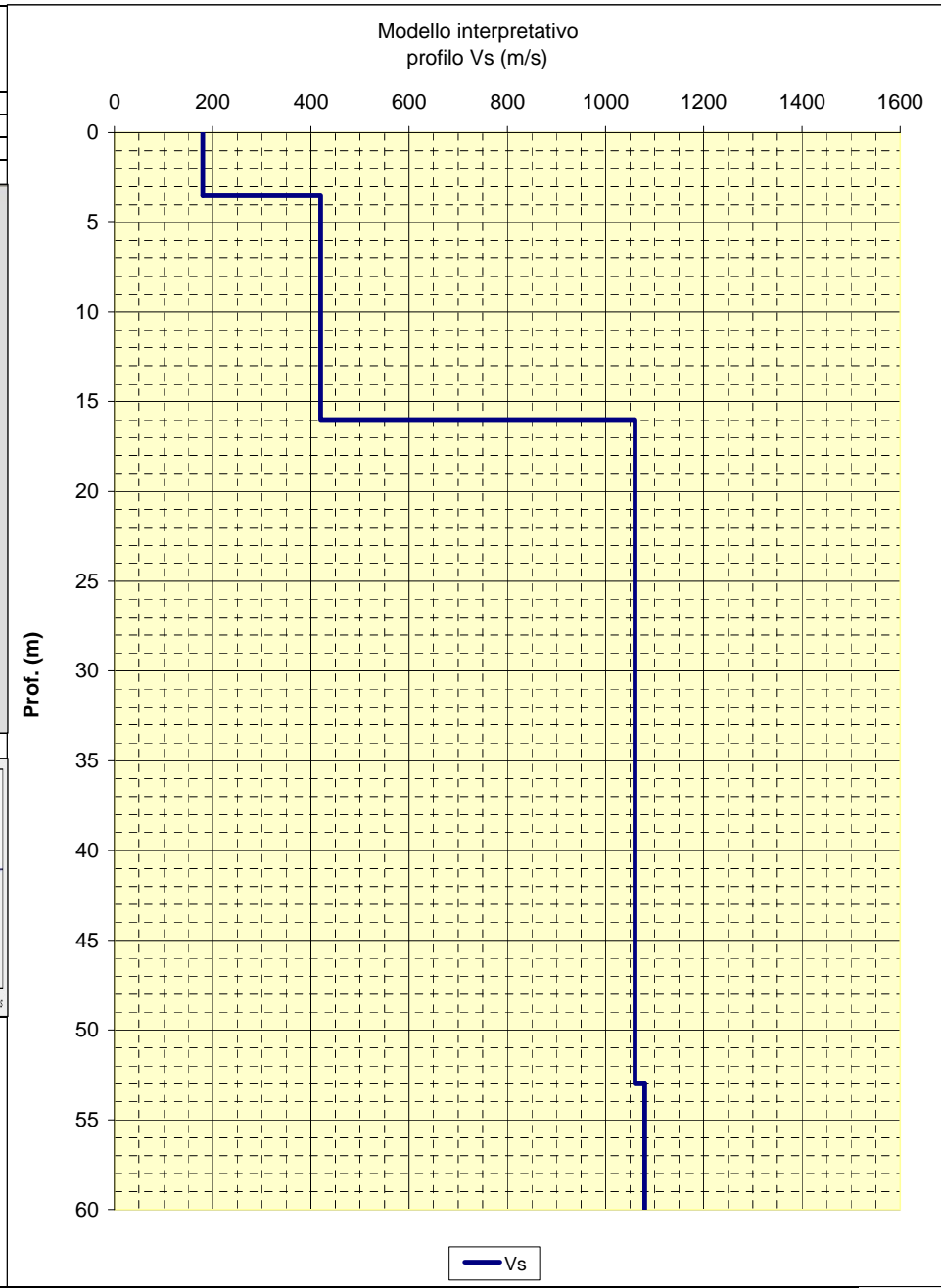
INDAGINE MASW/Re.Mi.
R03

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 17-10-2013 CANTIERE: Pian di Venola
 QUOTA: 150 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

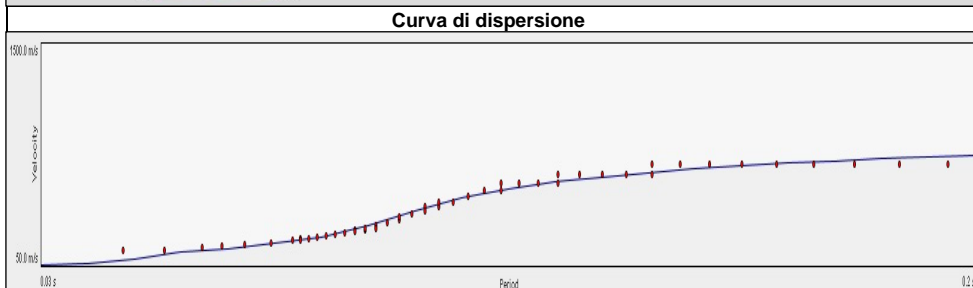
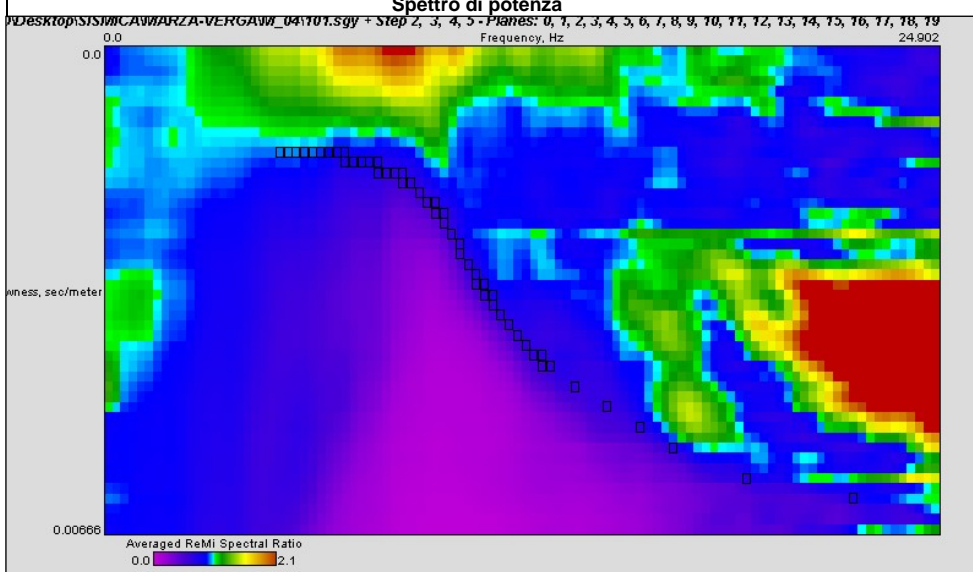
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	3.5	3.5	180
2	3.5	16	12.5	420
3	16	53	37	1060
4	53	INF	INF	1080
5				
6				
7				
8				
9				
10				



CENTROGEO
P.zza S.Quirino, 6 - 42015 Correggio (RE)

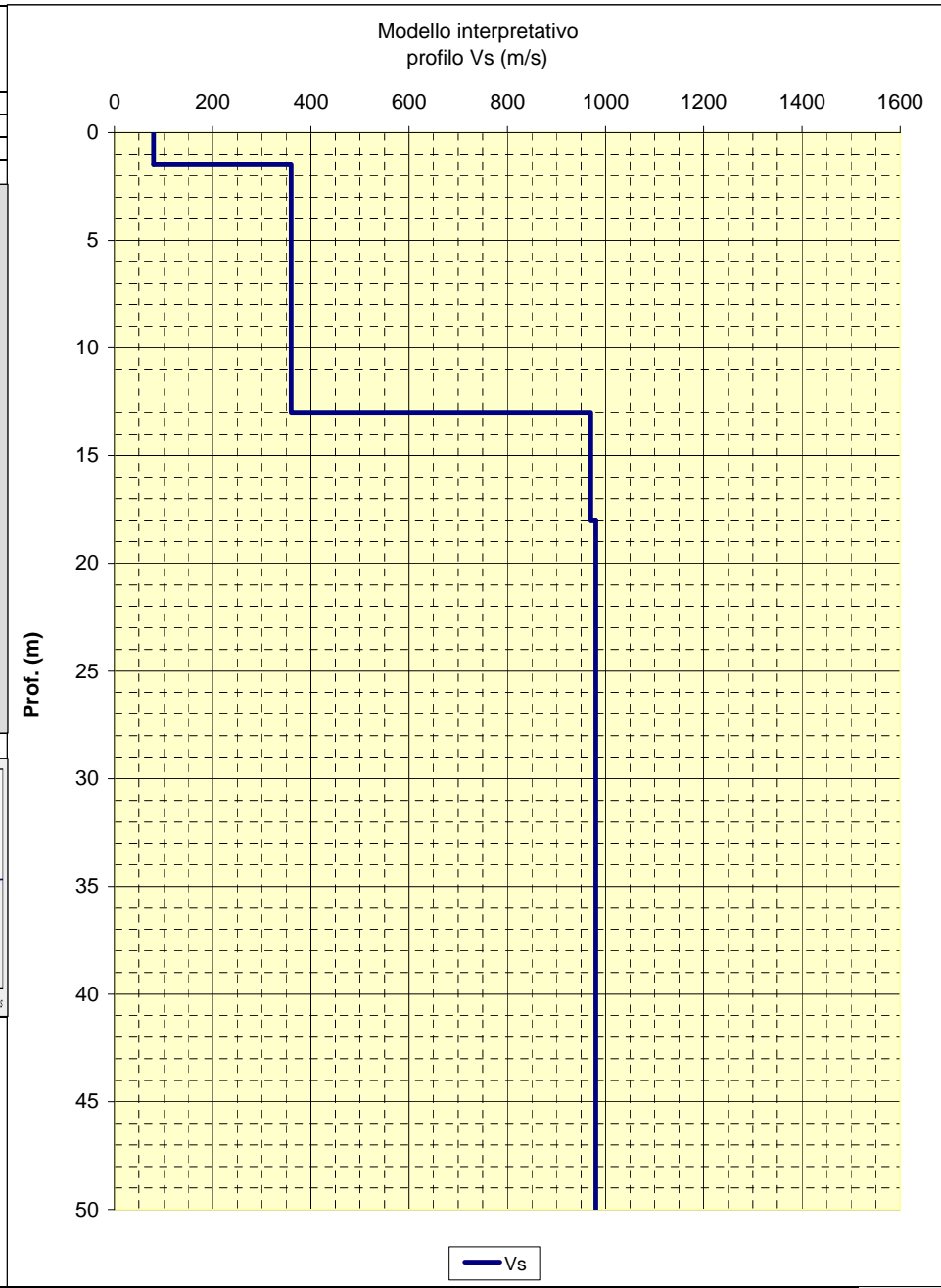
INDAGINE MASW/Re.Mi.
R04

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 17-10-2013 CANTIERE: Pian di Venola
 QUOTA: 150 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



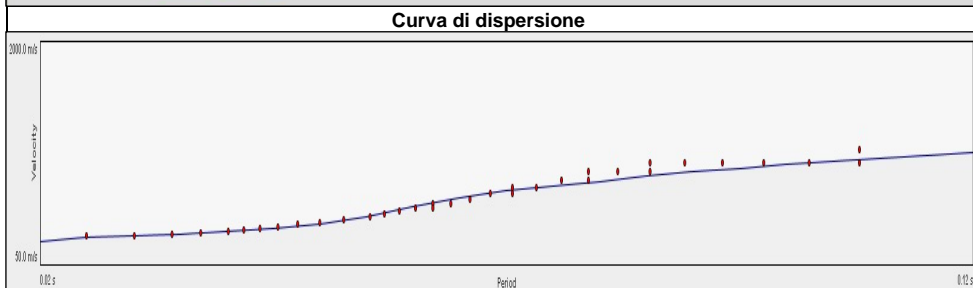
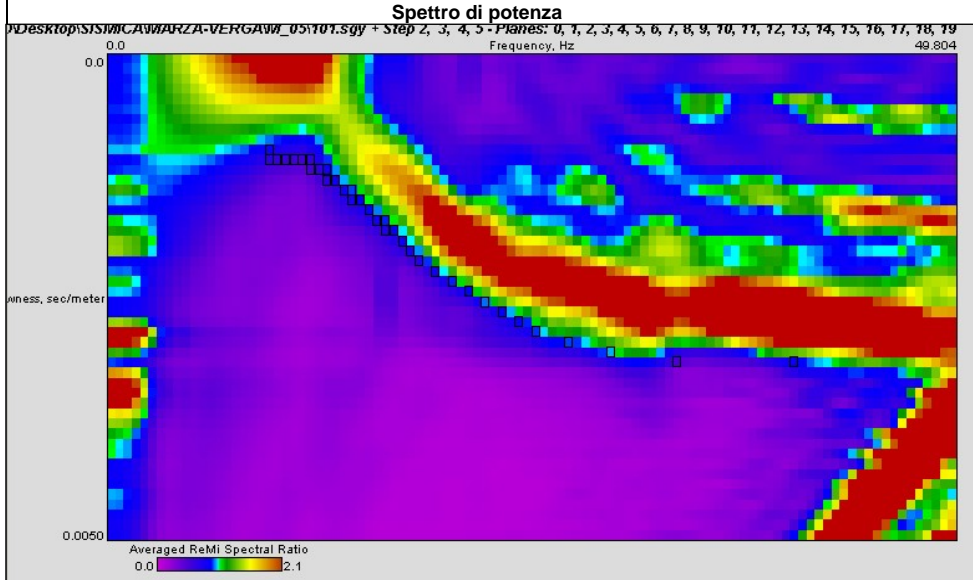
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1.5	1.5	80
2	1.5	13	11.5	360
3	13	18	5	970
4	18	INF	INF	980
5				
6				
7				
8				
9				
10				



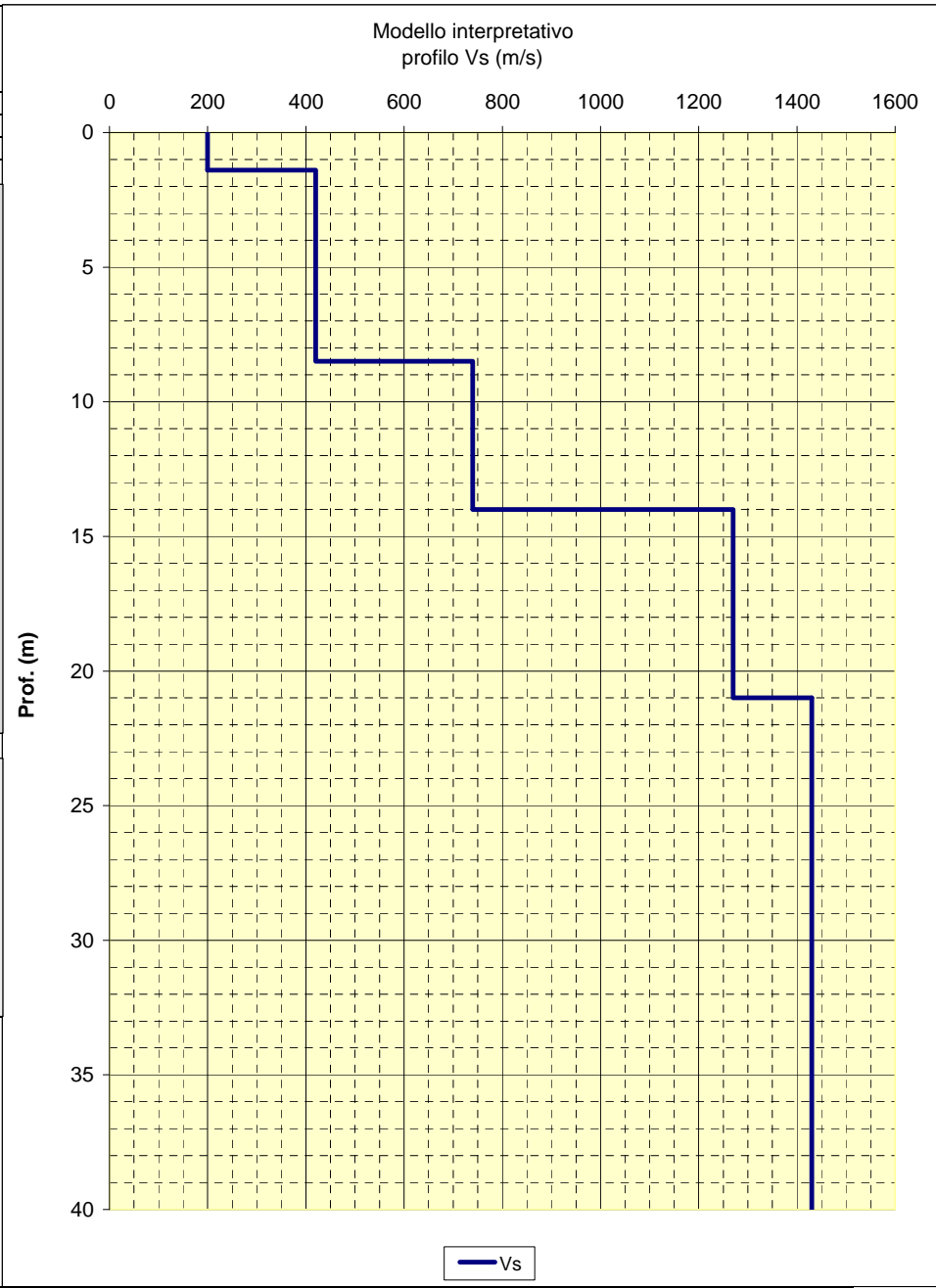
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R05
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 17-10-2013	CANTIERE: Marzabotto
QUOTA: 130 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



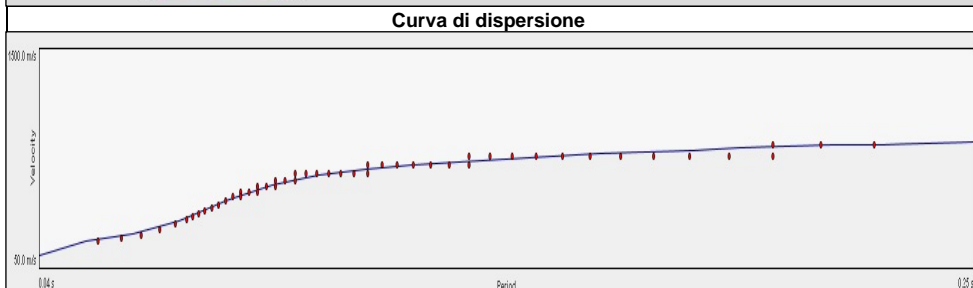
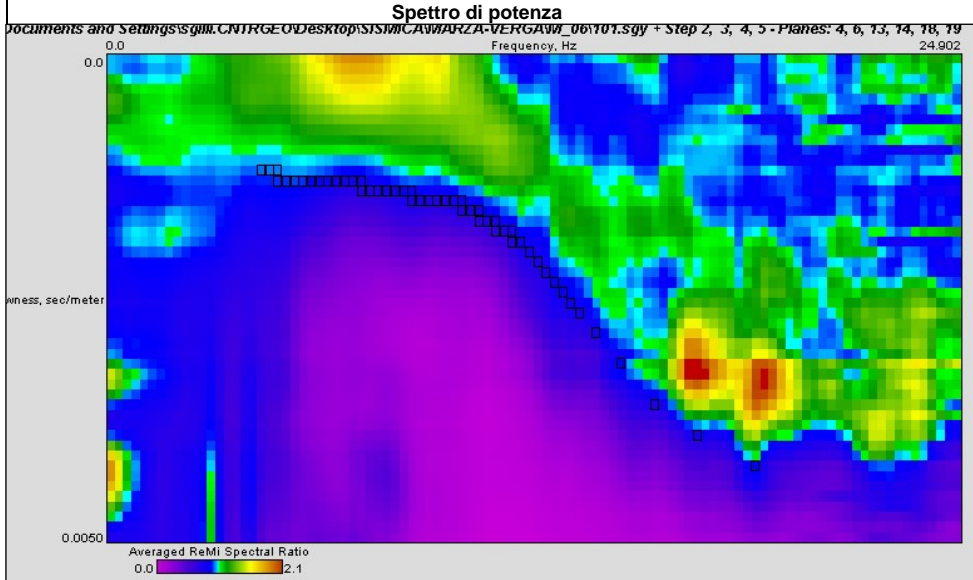
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1.4	1.4	200
2	1.4	8.5	7.1	420
3	8.5	14	5.5	740
4	14	21	7	1270
5	21	INF	INF	1430
6				
7				
8				
9				
10				



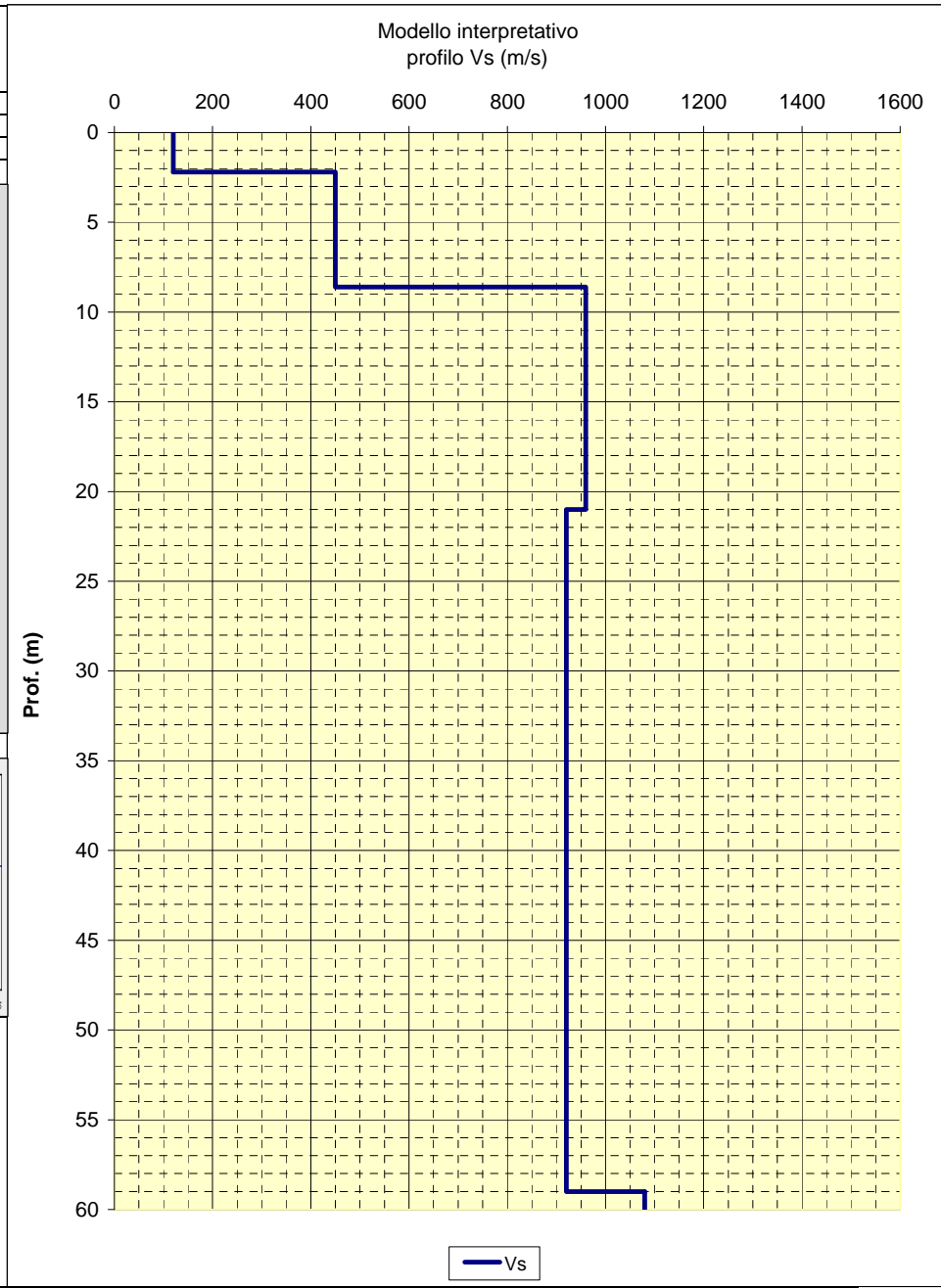
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R06
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 17-10-2013	CANTIERE: Marzabotto
QUOTA: 125 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



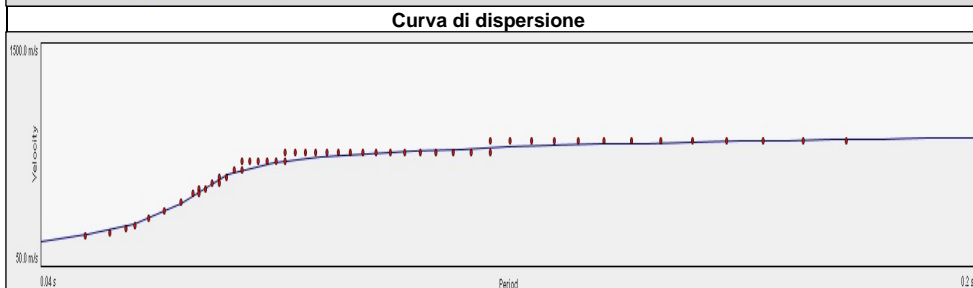
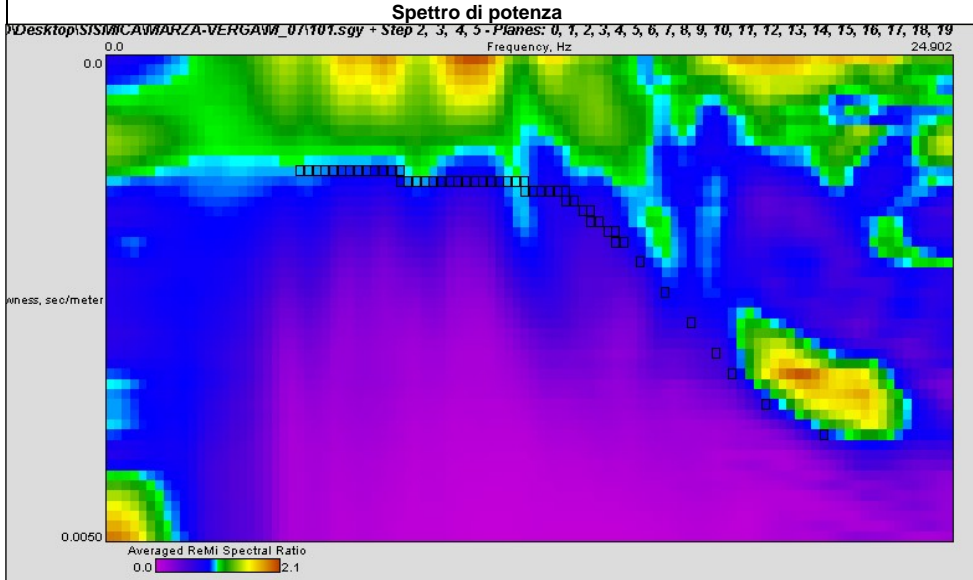
Note:

Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	2.2	2.2	120
2	2.2	8.6	6.4	450
3	8.6	21	12.4	960
4	21	59	38	920
5	59	INF	INF	1080
6				
7				
8				
9				
10				



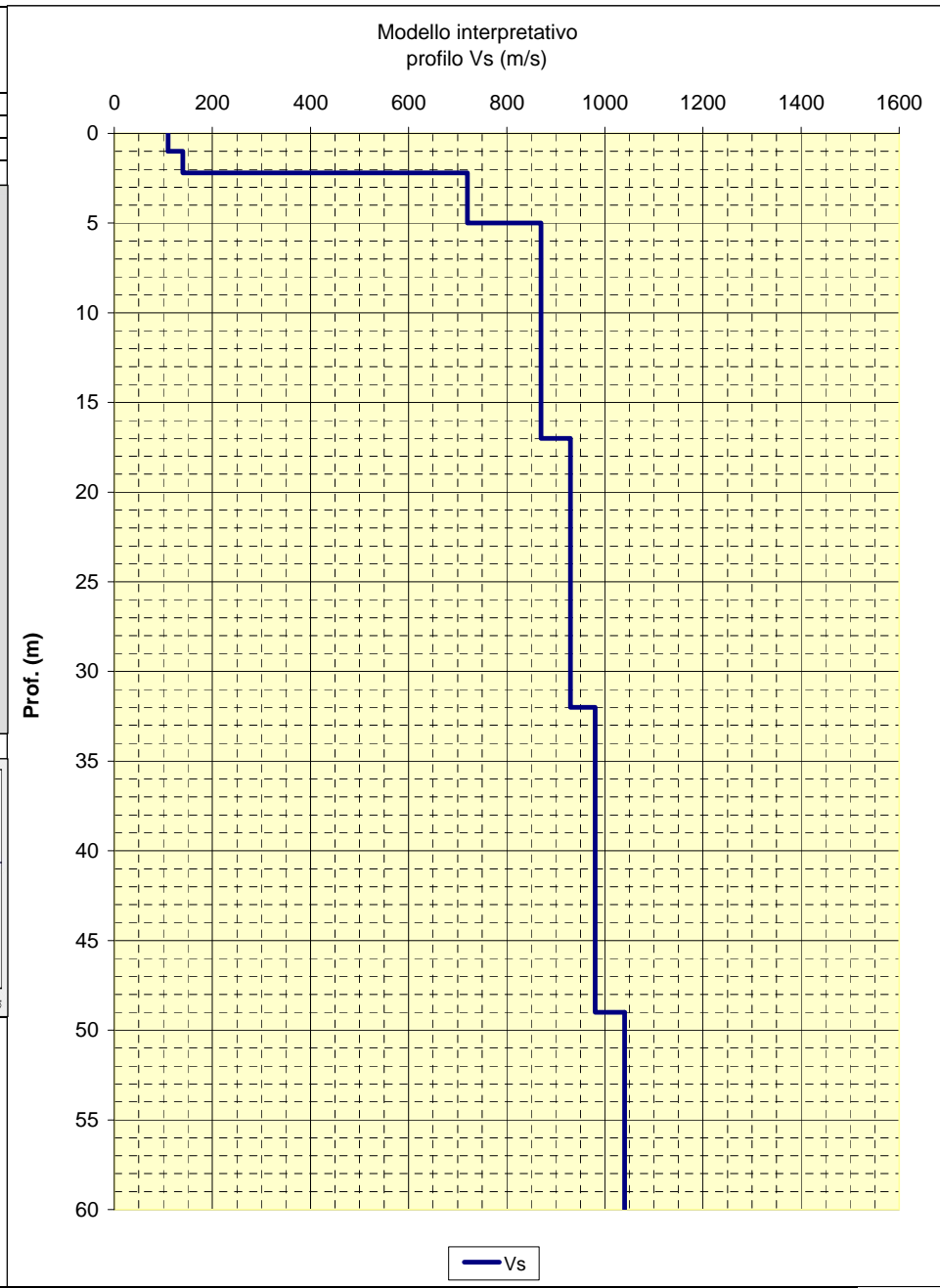
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R07
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 17-10-2013	CANTIERE: Marzabotto
QUOTA: 150 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



Note:

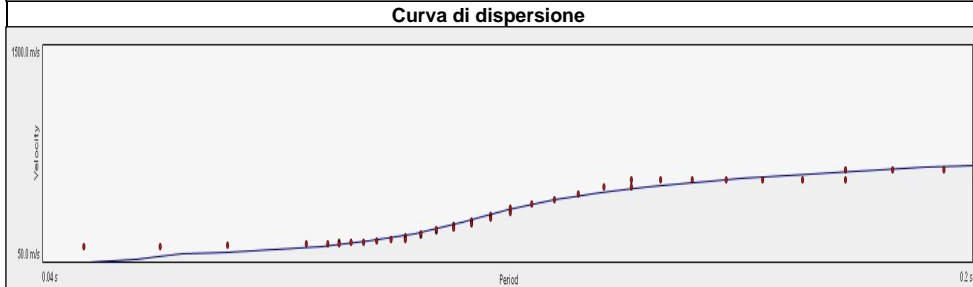
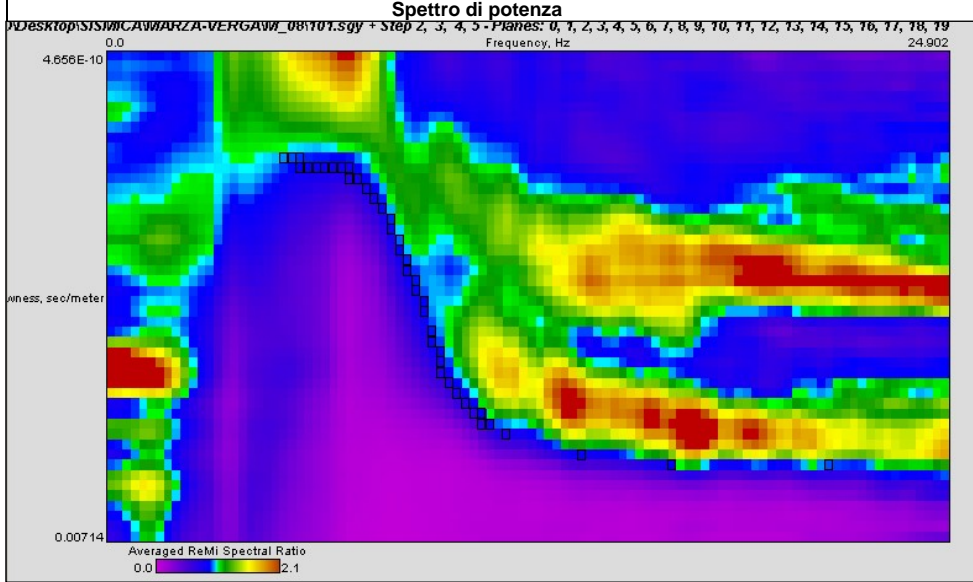
Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	1	1	110
2	1	2.2	1.2	140
3	2.2	5	2.8	720
4	5	17	12	870
5	17	32	15	930
6	32	49	17	980
7	49	INF	INF	1040
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

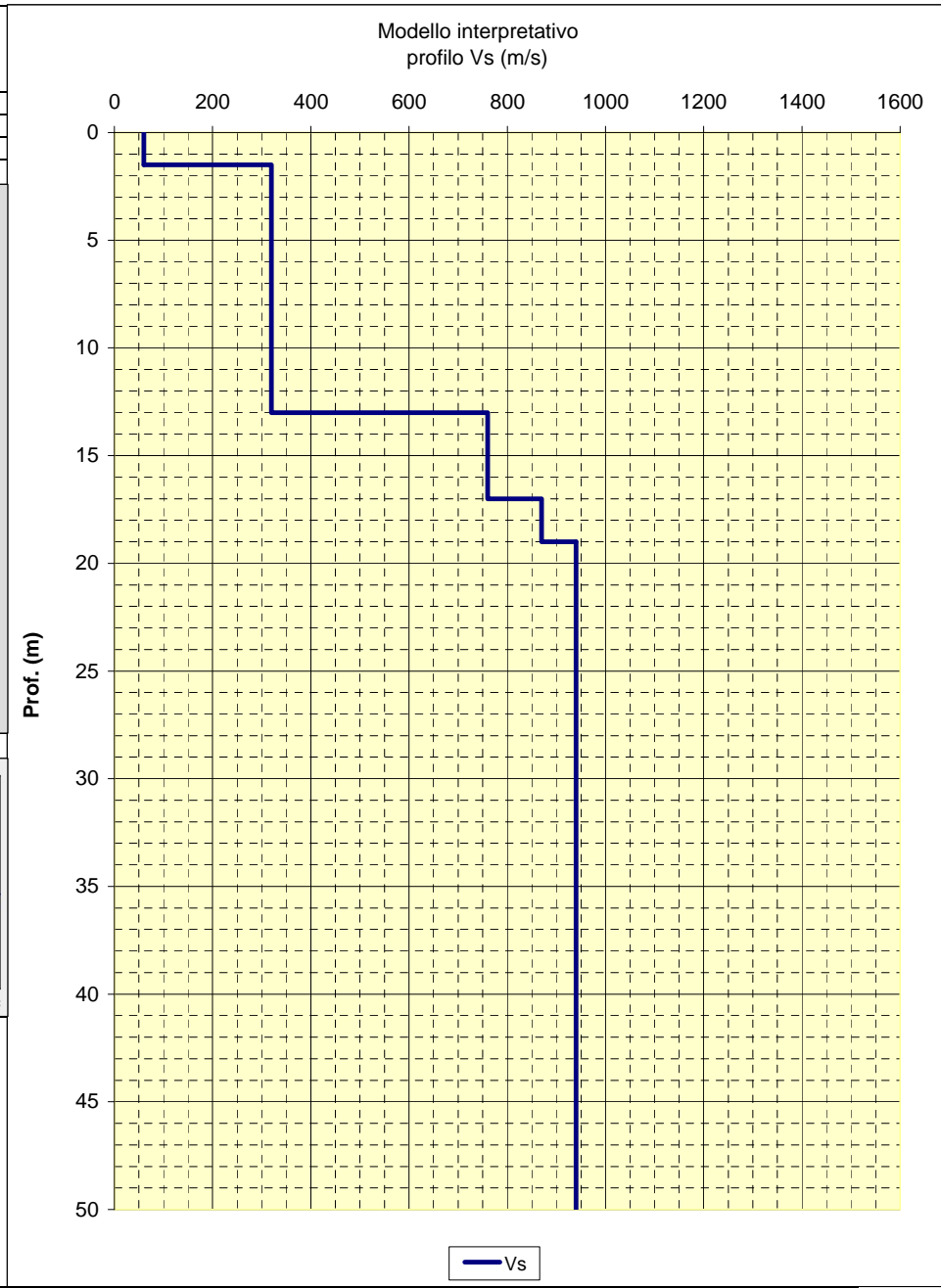
INDAGINE MASW/Re.Mi.
R08

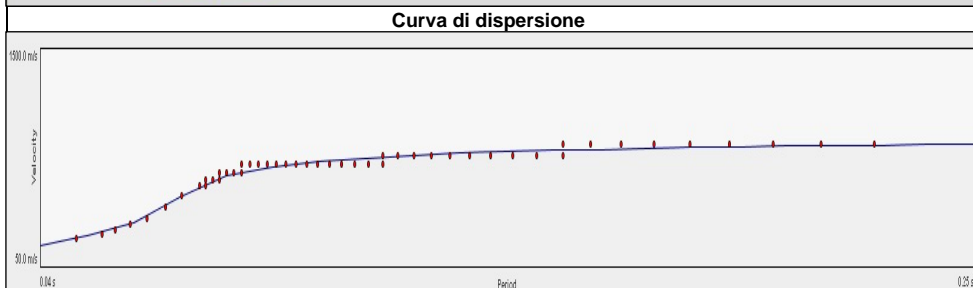
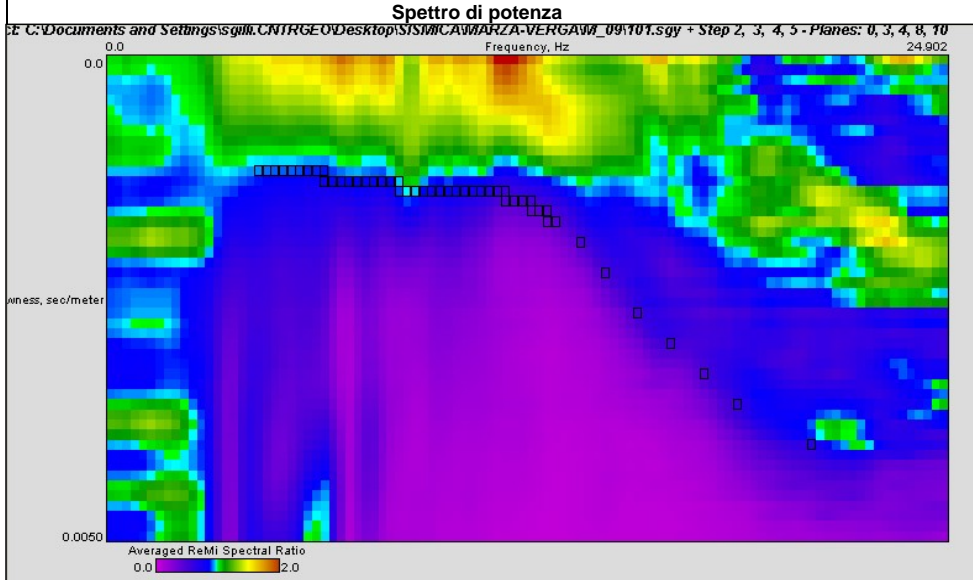
LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 17-10-2013 CANTIERE: Marzabotto
 QUOTA: 120 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



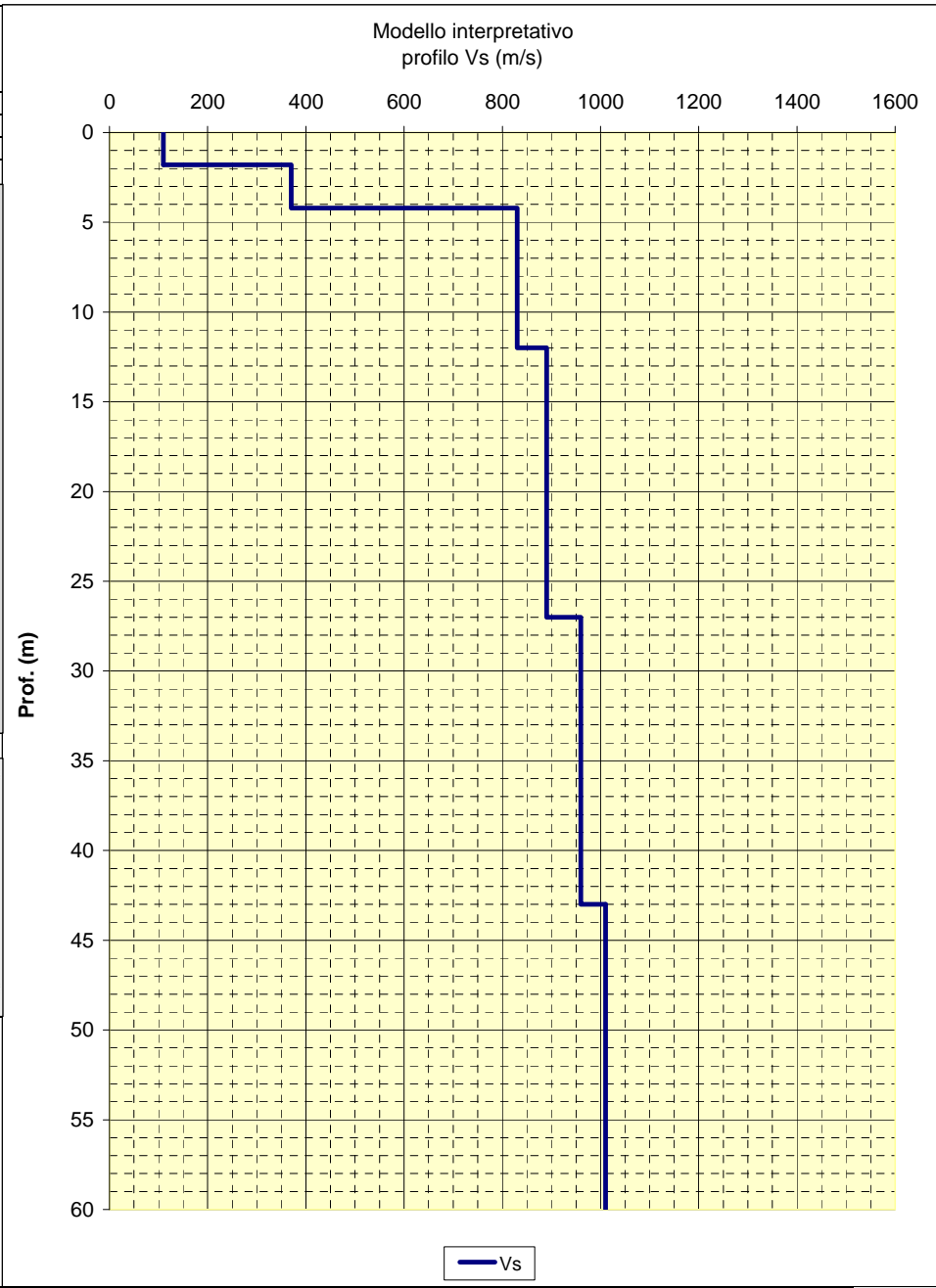
Note:

Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	1.5	1.5	60
2	1.5	13	11.5	320
3	13	17	4	760
4	17	19	2	870
5	19	INF	INF	940
6				
7				
8				
9				
10				





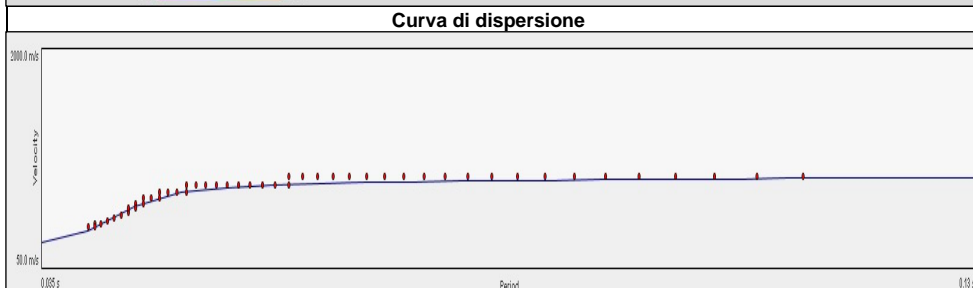
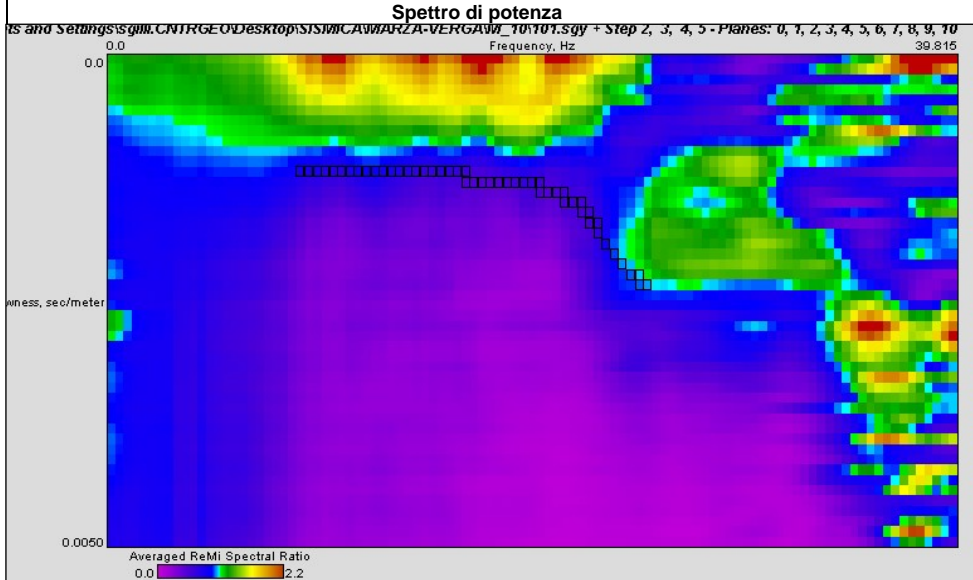
Note:



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

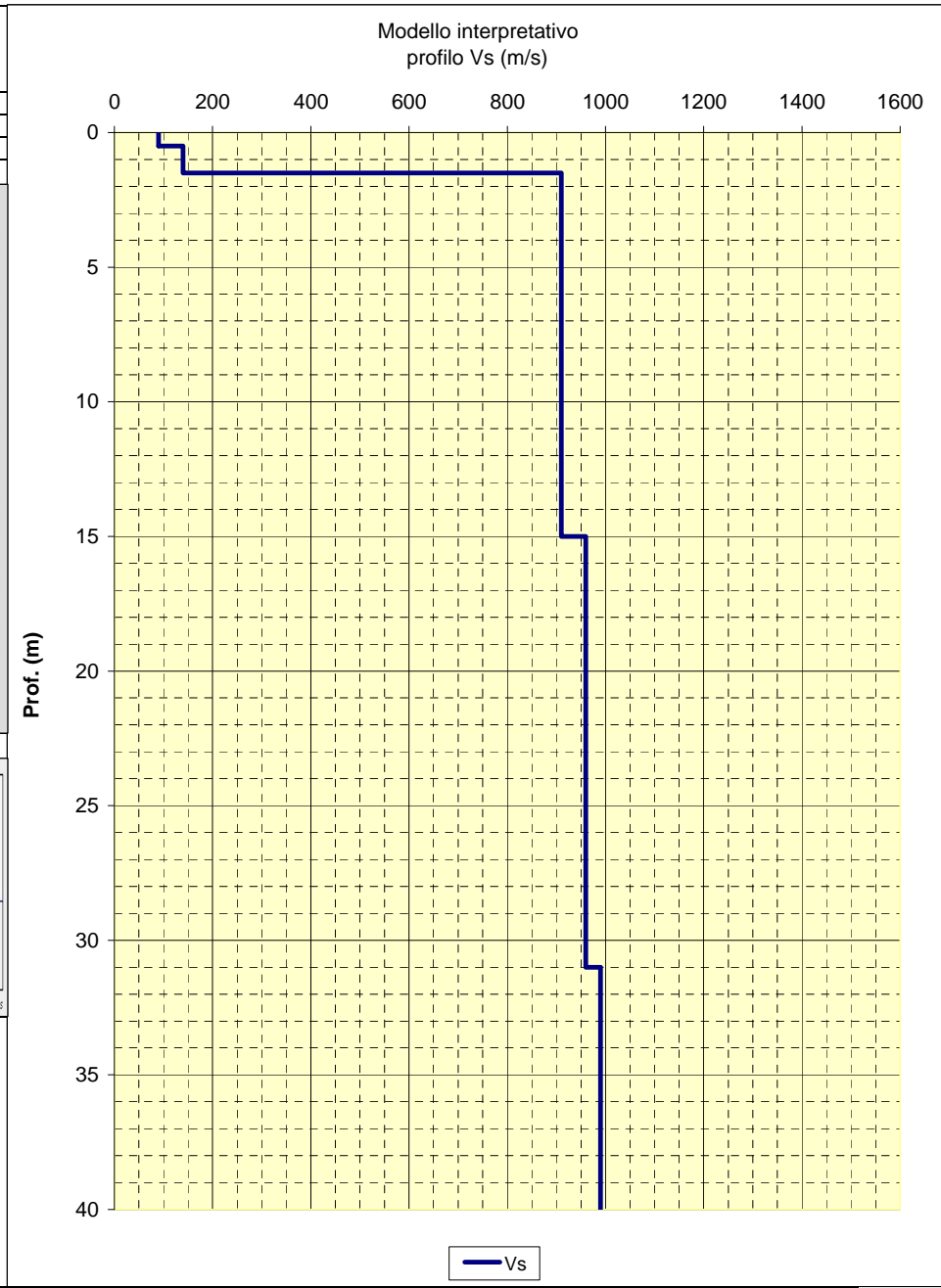
INDAGINE MASW/Re.Mi.
R10

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 17-10-2013 CANTIERE: Bendinella
 QUOTA: 150 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



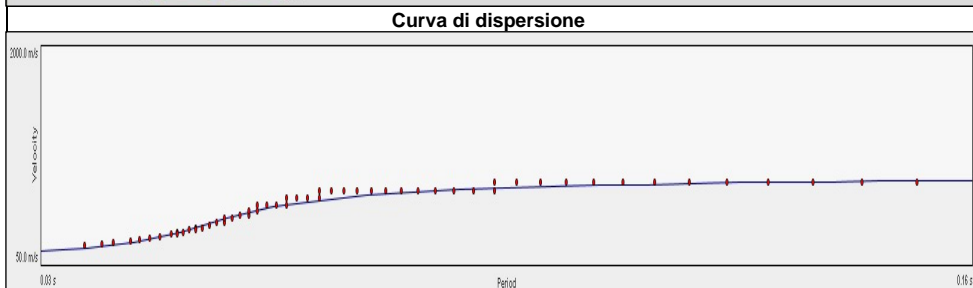
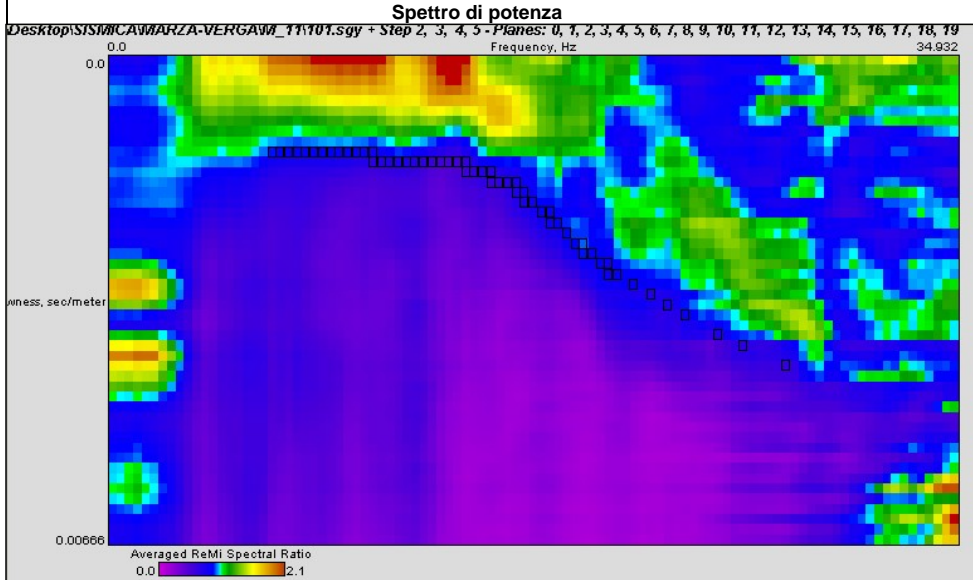
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	0.5	0.5	90
2	0.5	1.5	1	140
3	1.5	15	13.5	910
4	15	31	16	960
5	31	INF	INF	990
6				
7				
8				
9				
10				



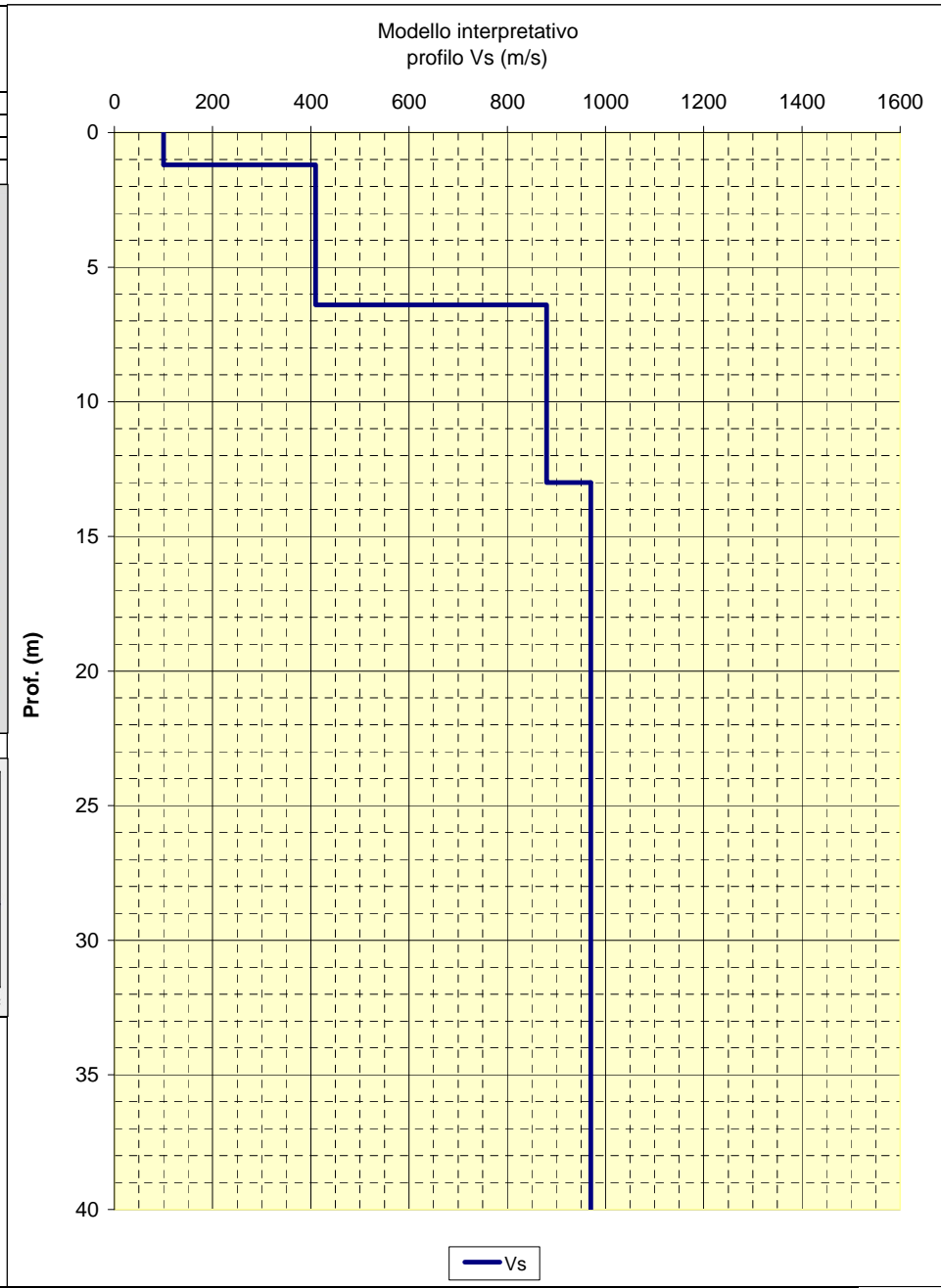
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R11
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 17-10-2013	CANTIERE: Bendinella
QUOTA: 120 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



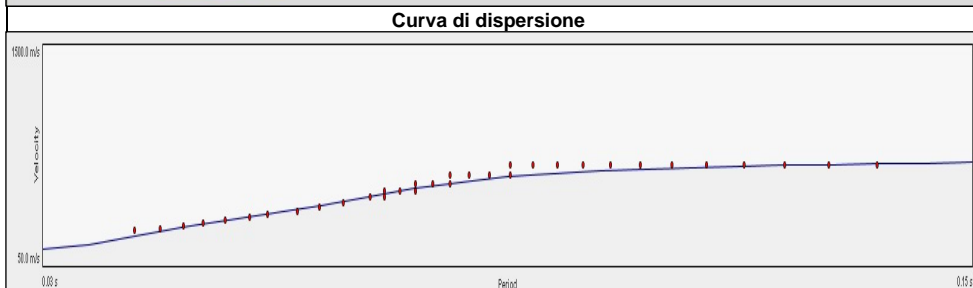
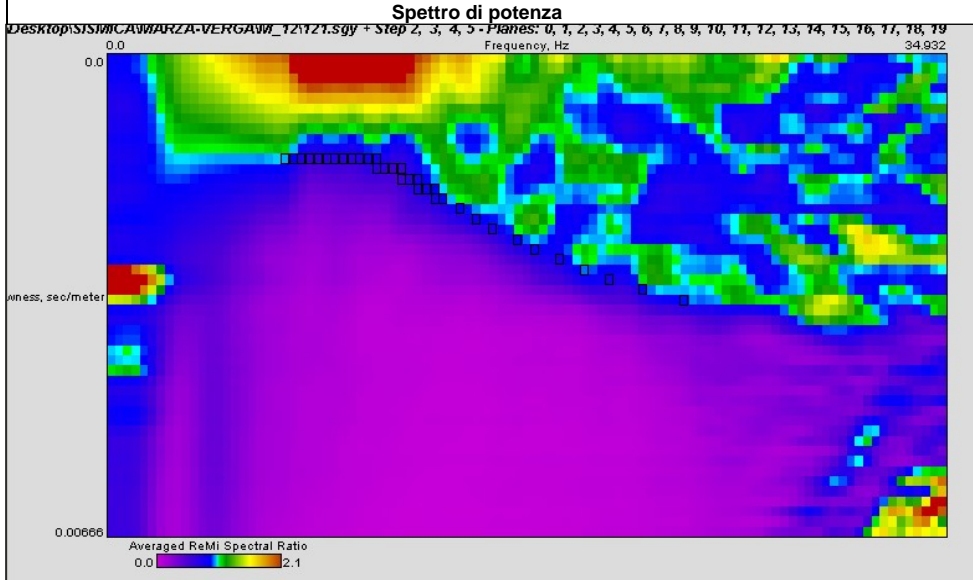
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1.2	1.2	100
2	1.2	6.4	5.2	410
3	6.4	13	6.6	880
4	13	INF	INF	970
5				
6				
7				
8				
9				
10				



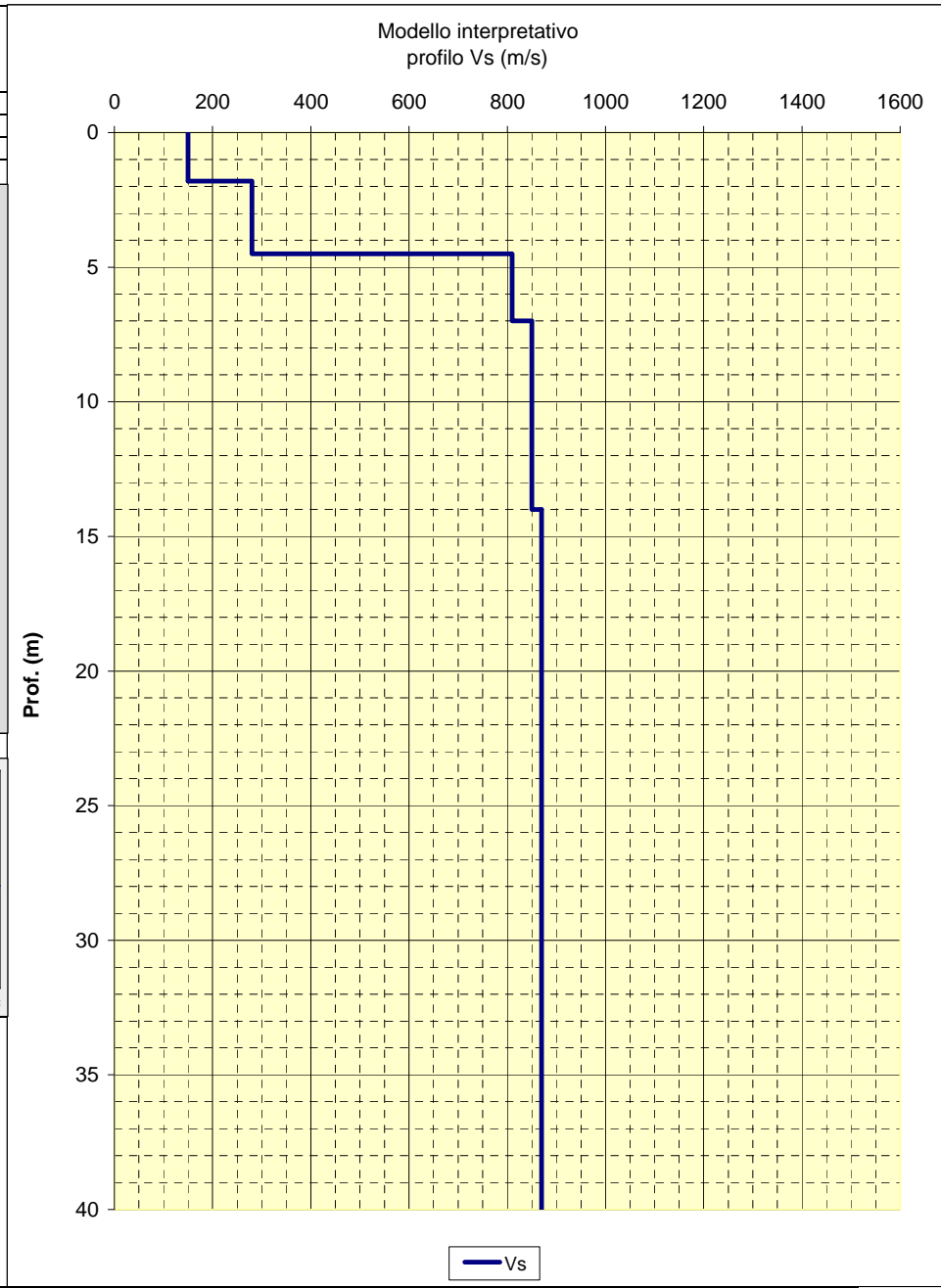
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R12
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 22-10-2013	CANTIERE: Gardelletta
QUOTA: 185 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



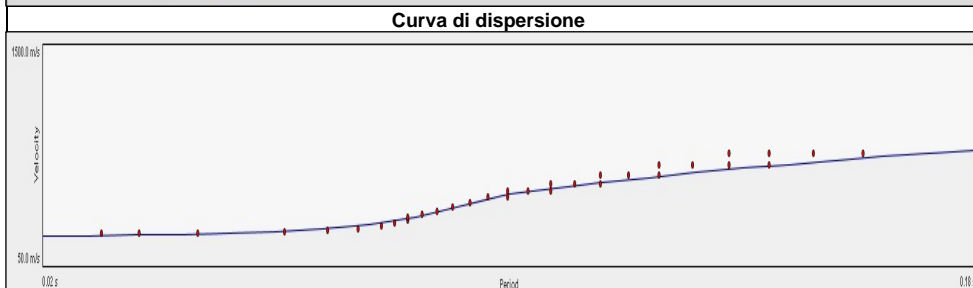
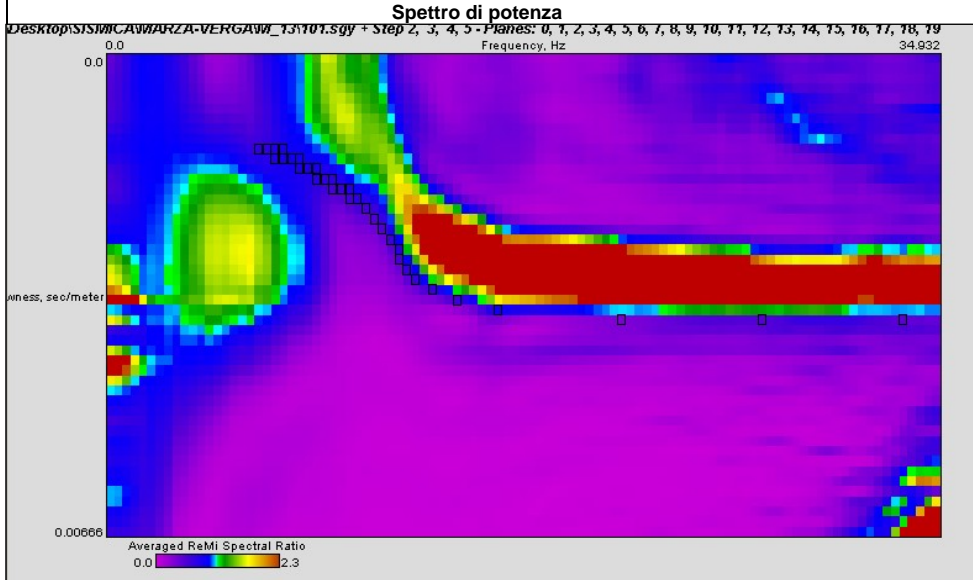
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1.8	1.8	150
2	1.8	4.5	2.7	280
3	4.5	7	2.5	810
4	7	14	7	850
5	14	INF	INF	870
6				
7				
8				
9				
10				



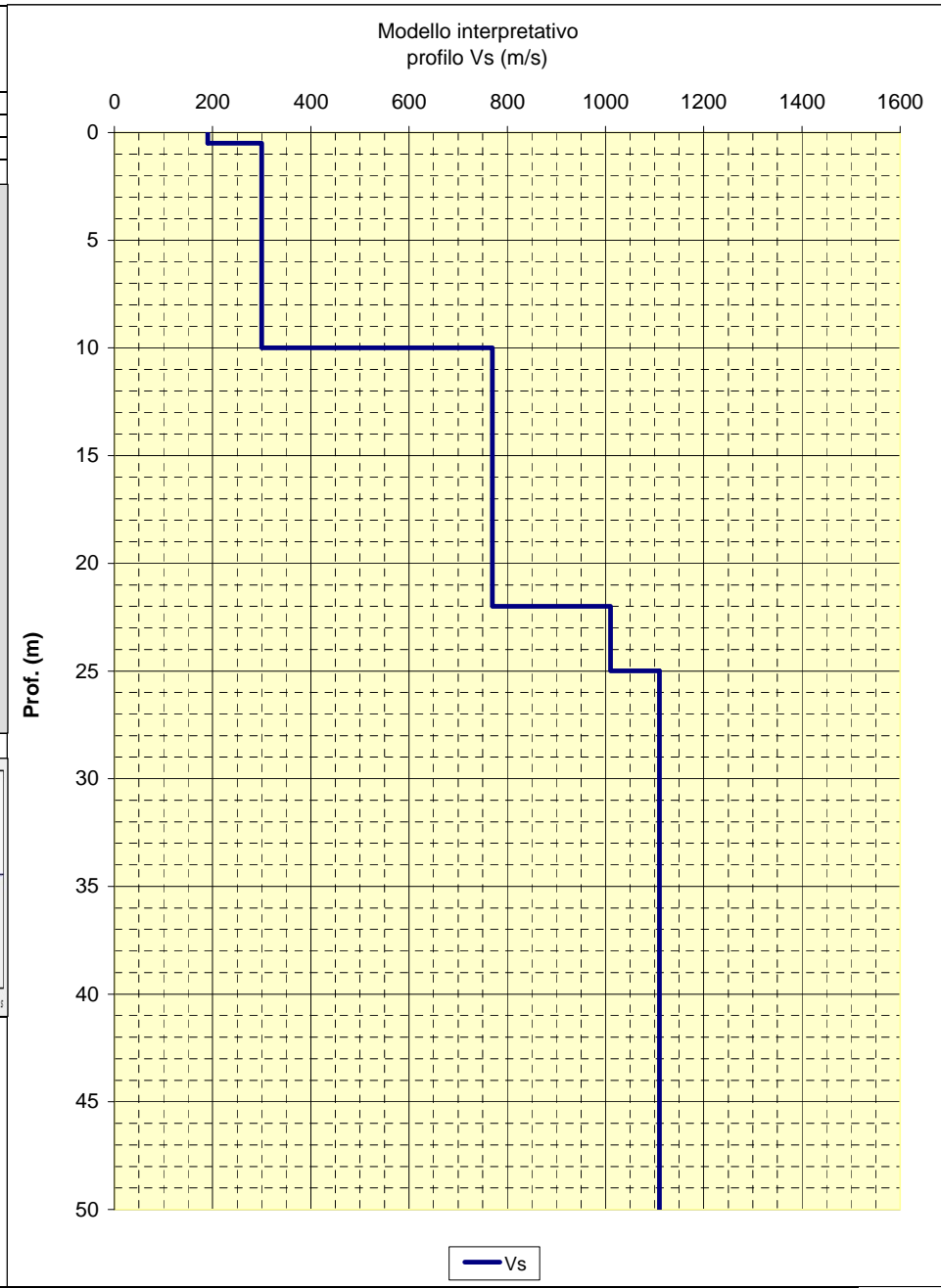
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R13
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 22-10-2013	CANTIERE: Le Murazze
QUOTA: 190 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



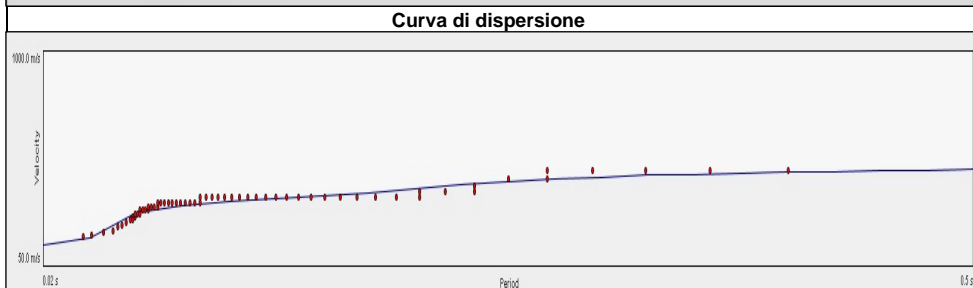
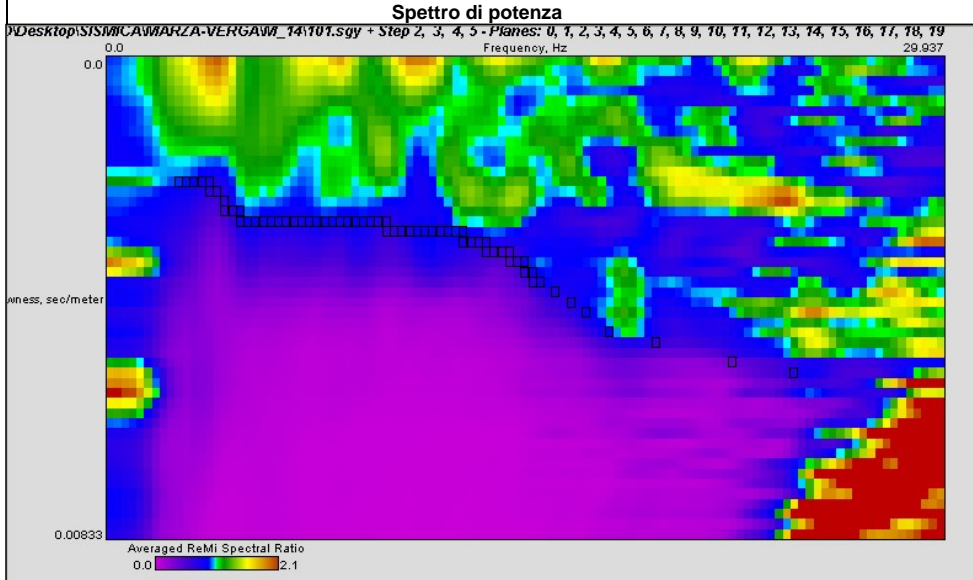
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	0.5	0.5	190
2	0.5	10	9.5	300
3	10	22	12	770
4	22	25	3	1010
5	25	INF	INF	1110
6				
7				
8				
9				
10				



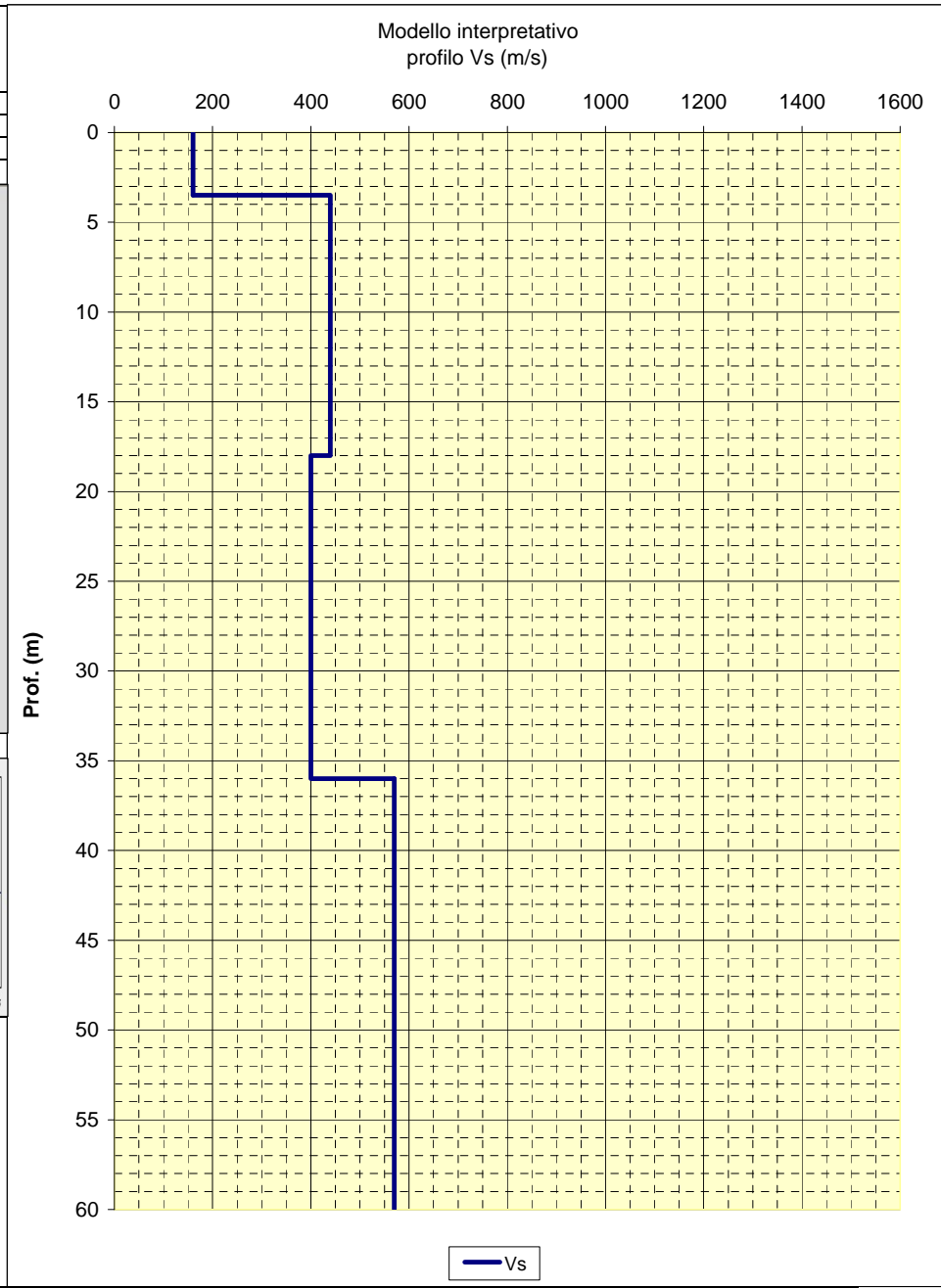
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R14
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 22-10-2013	CANTIERE: L'America
QUOTA: 270 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



Note:

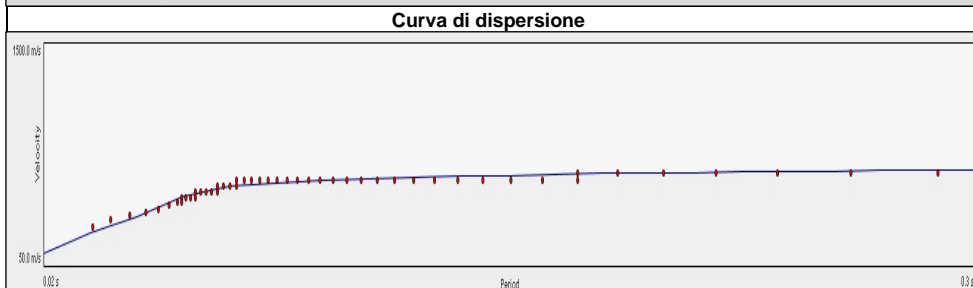
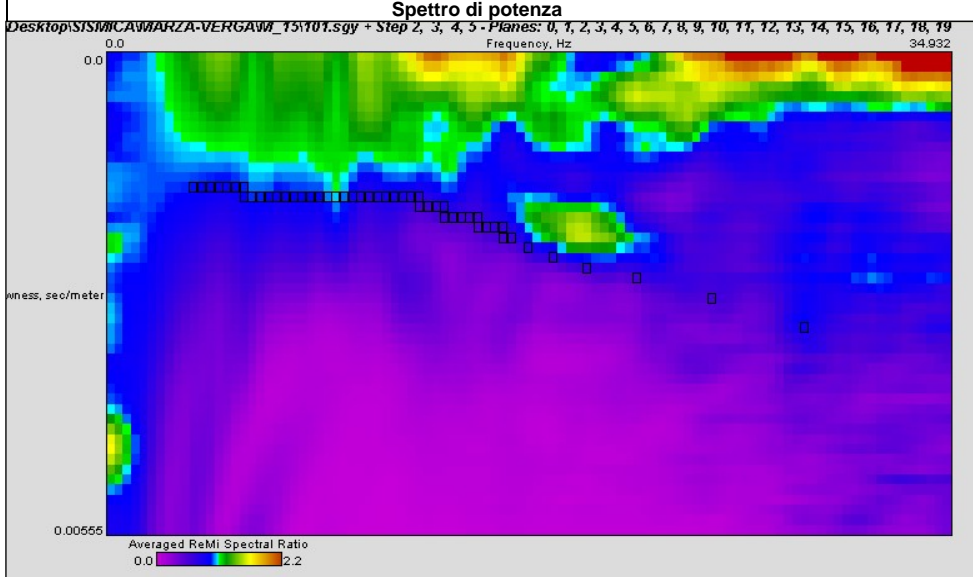
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	3.5	3.5	160
2	3.5	18	14.5	440
3	18	36	18	400
4	36	INF	INF	570
5				
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

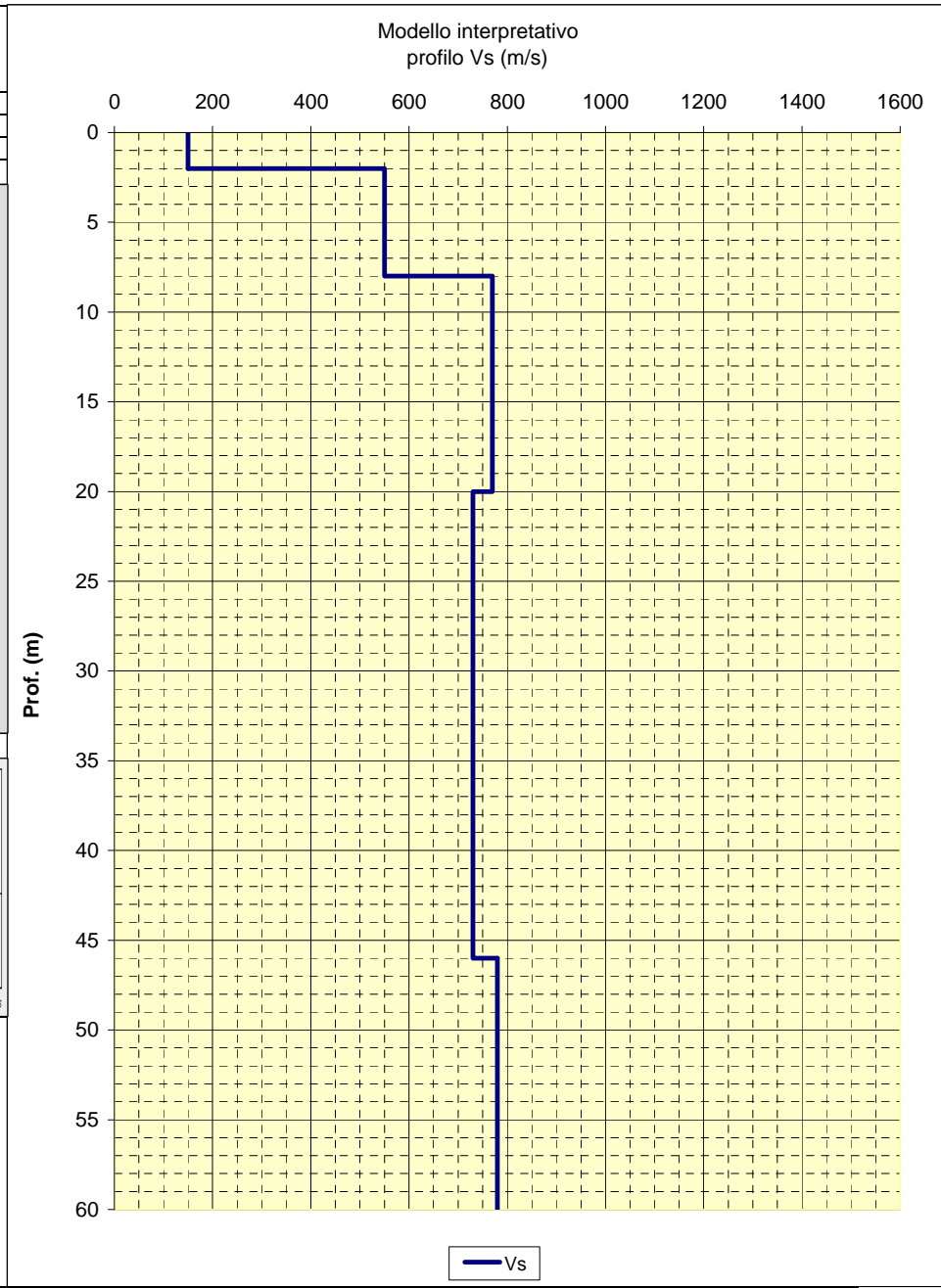
INDAGINE MASW/Re.Mi.
R15

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 22-10-2013 CANTIERE: Casetta
 QUOTA: 270 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

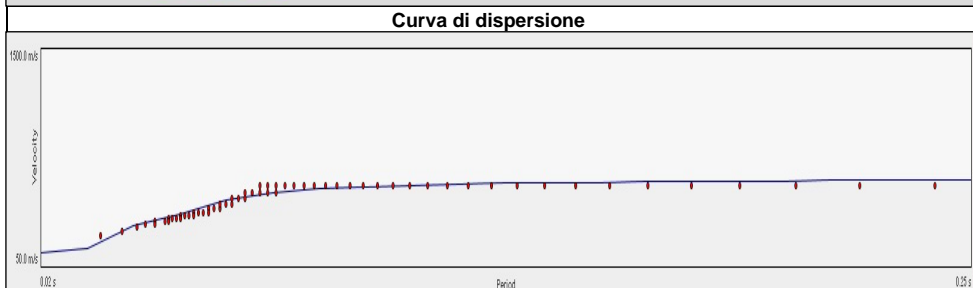
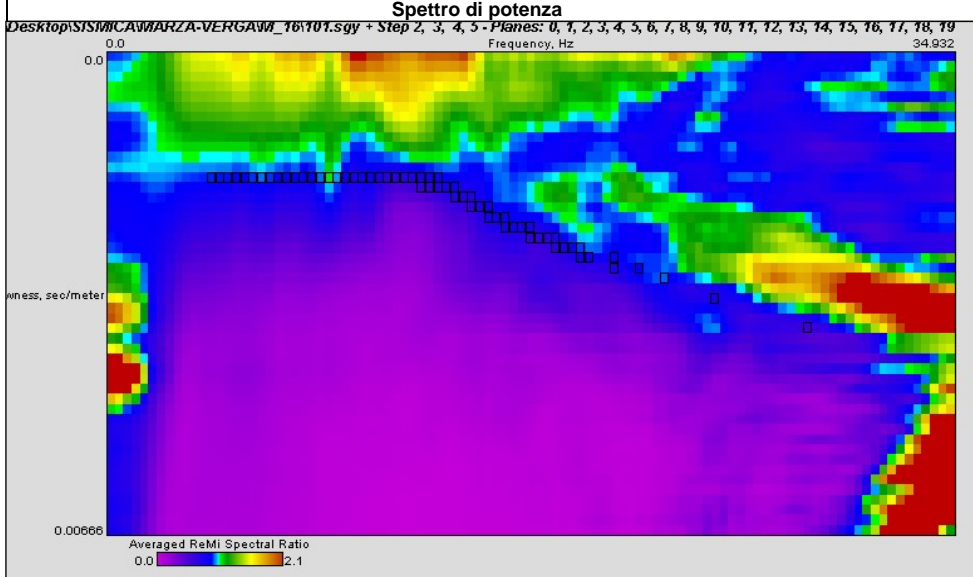
Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	2	2	150
2	2	8	6	550
3	8	20	12	770
4	20	46	26	730
5	46	INF	INF	780
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

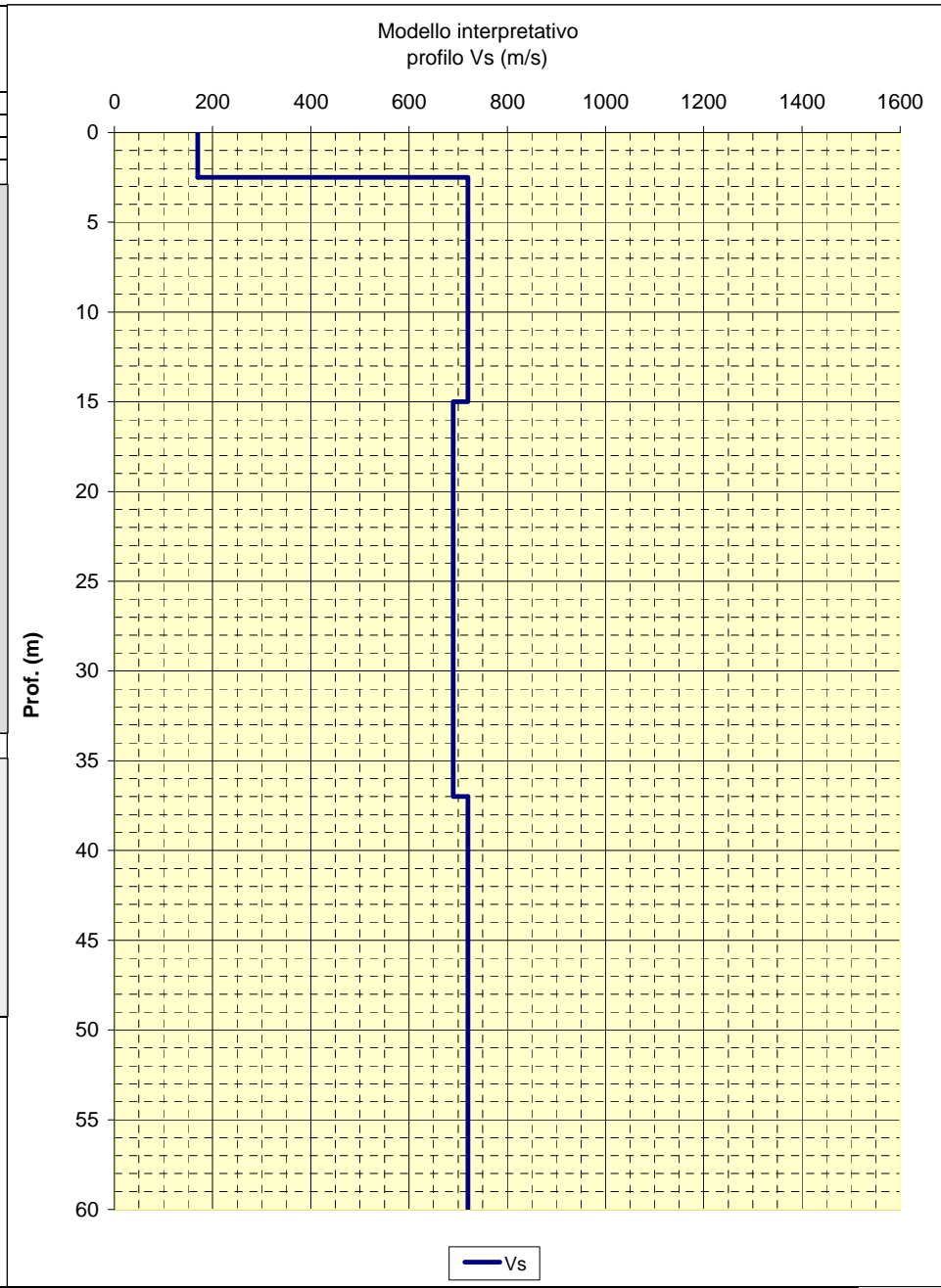
INDAGINE MASW/Re.Mi.
R16

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 22-10-2013 CANTIERE: Allocco di Sopra
 QUOTA: 220 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

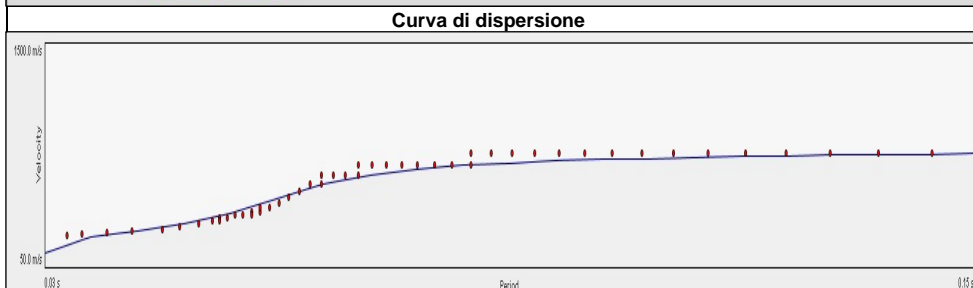
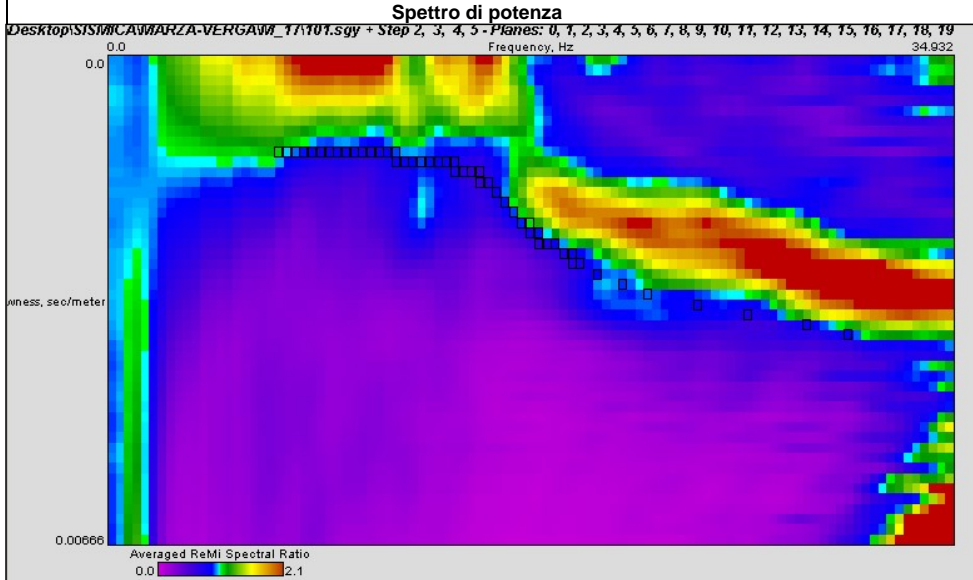
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	2.5	2.5	170
2	2.5	15	12.5	720
3	15	37	22	690
4	37	INF	INF	720
5				
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

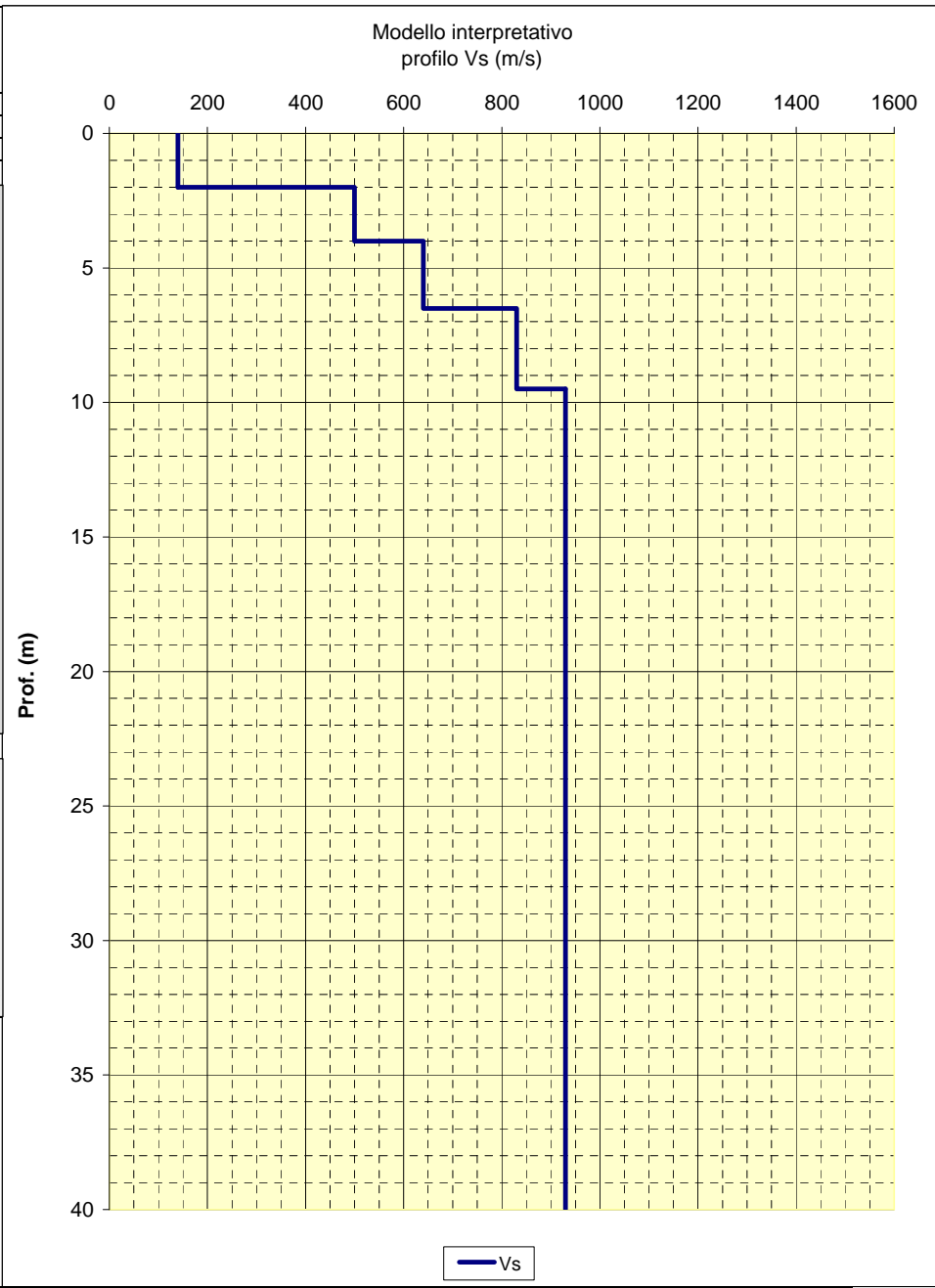
INDAGINE MASW/Re.Mi.
R17

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 22-10-2013 CANTIERE: Via Carbonara
 QUOTA: 175 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



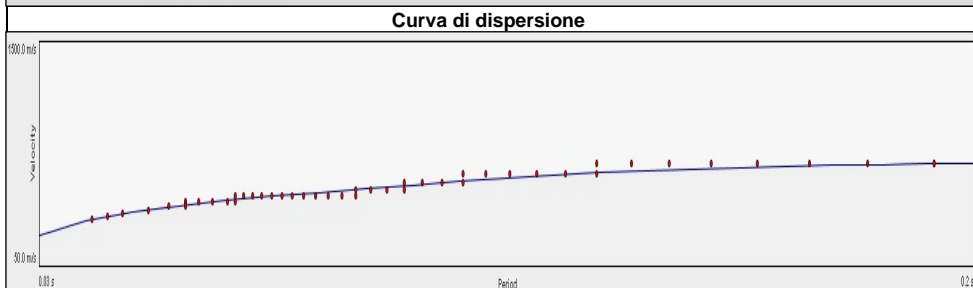
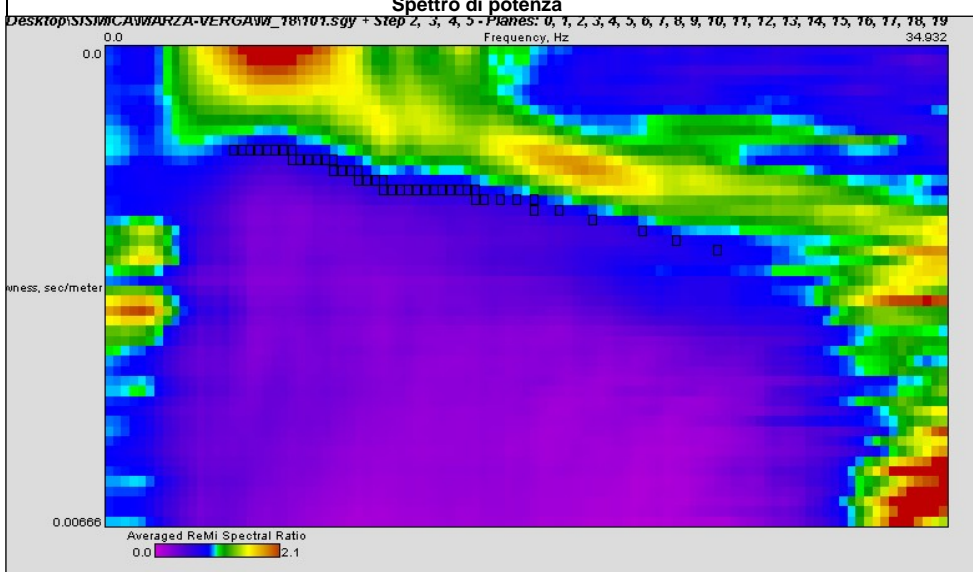
Note:

Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	2	2	140
2	2	4	2	500
3	4	6.5	2.5	640
4	6.5	9.5	3	830
5	9.5	INF	INF	930
6				
7				
8				
9				
10				



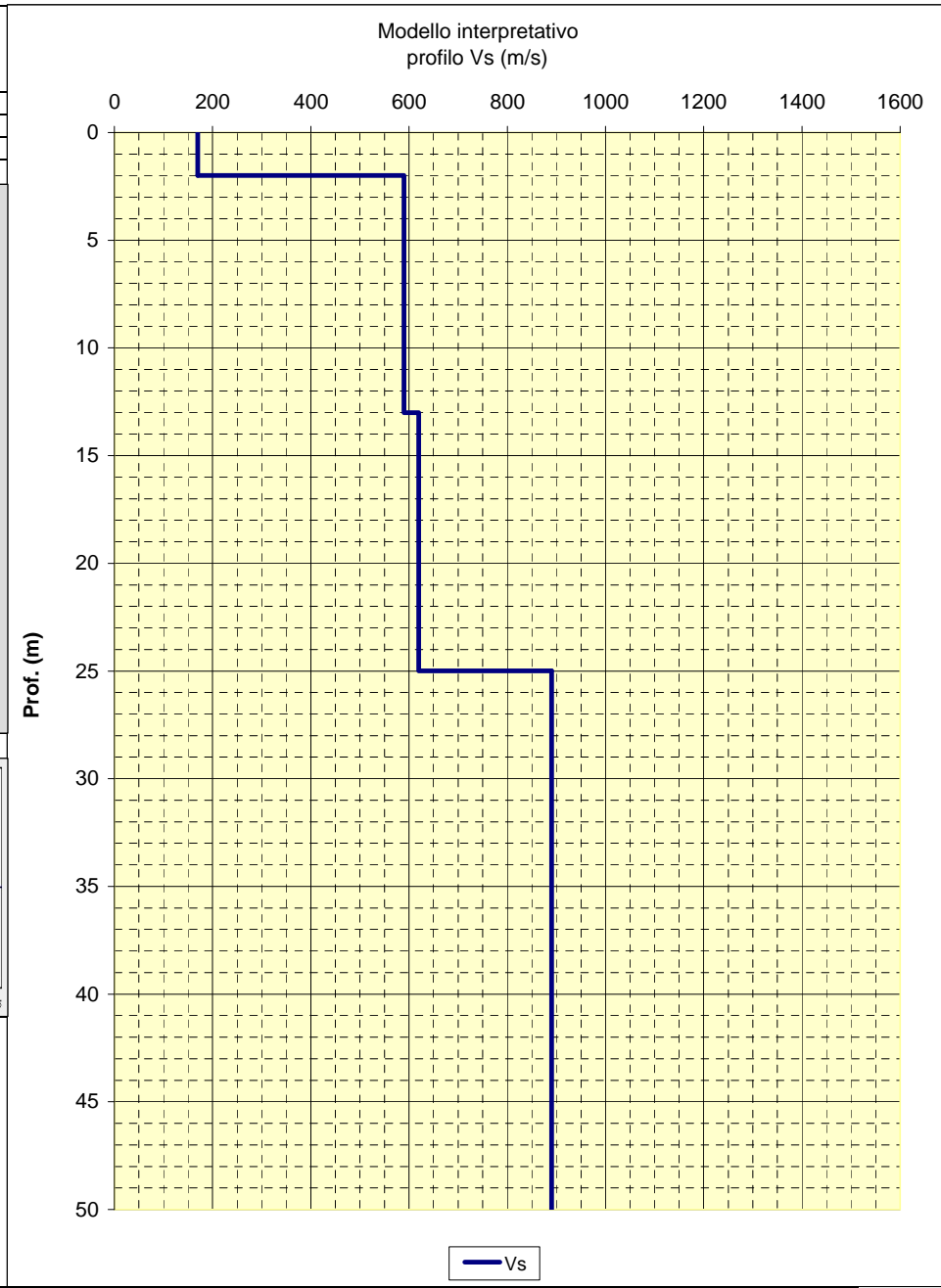
CENTROGEO P.zza S.Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R18
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 22-10-2013	CANTIERE: Sirano
QUOTA: 125 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



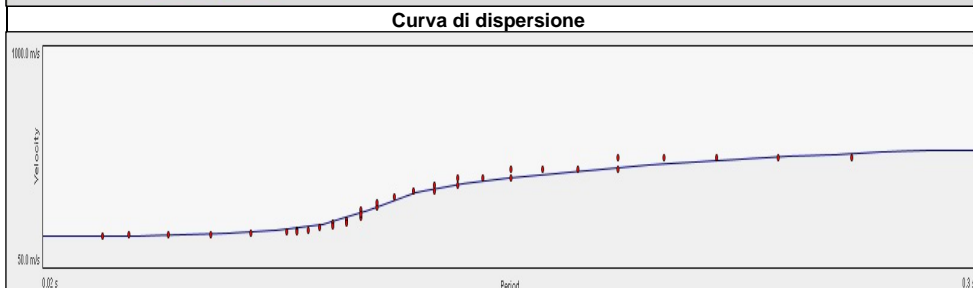
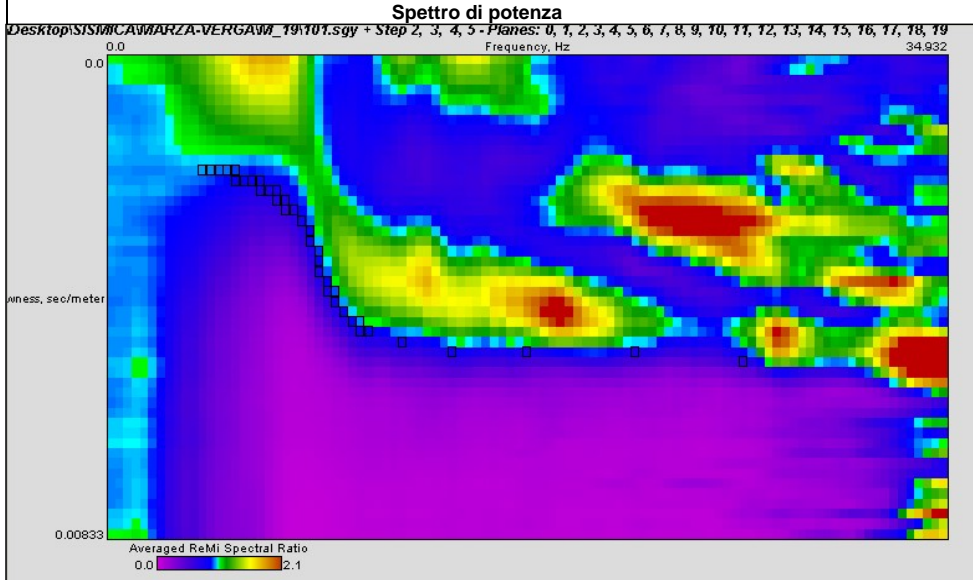
Note:

Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	2	2	170
2	2	13	11	590
3	13	25	12	620
4	25	INF	INF	890
5				
6				
7				
8				
9				
10				



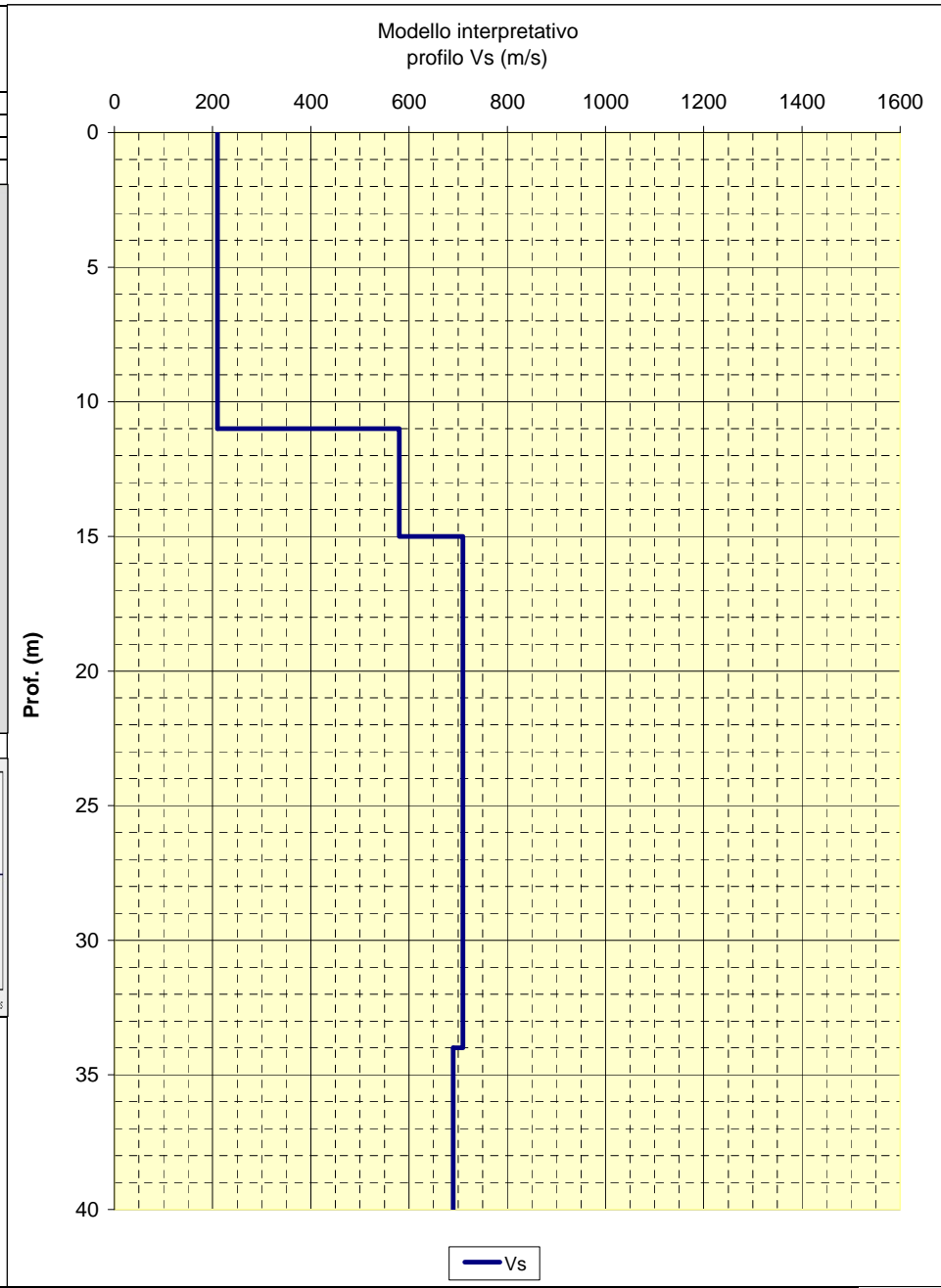
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R19
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 22-10-2013	CANTIERE: Sirano
QUOTA: 150 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



Note:

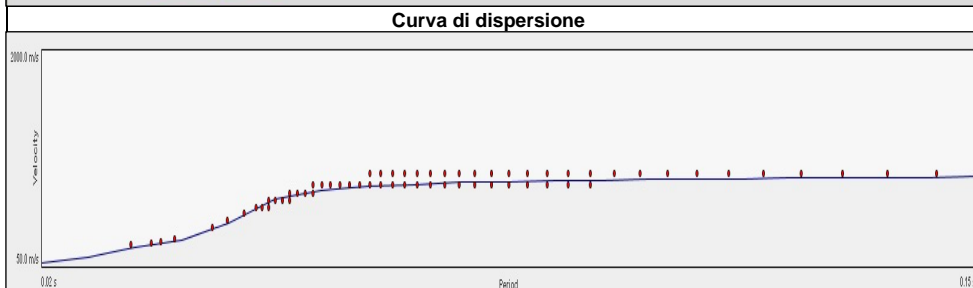
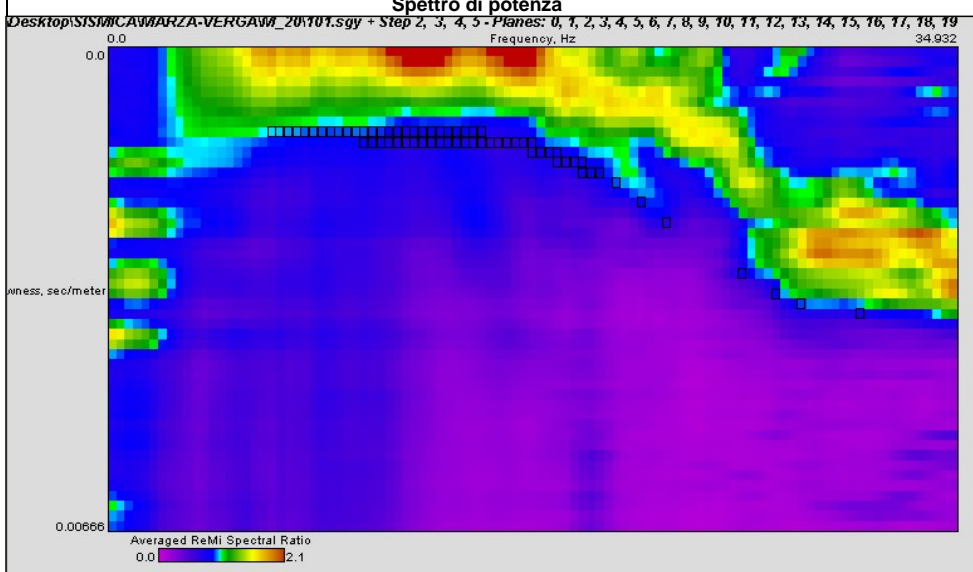
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	11	11	210
2	11	15	4	580
3	15	34	19	710
4	34	INF	INF	790
5				
6				
7				
8				
9				
10				



CENTROGEO
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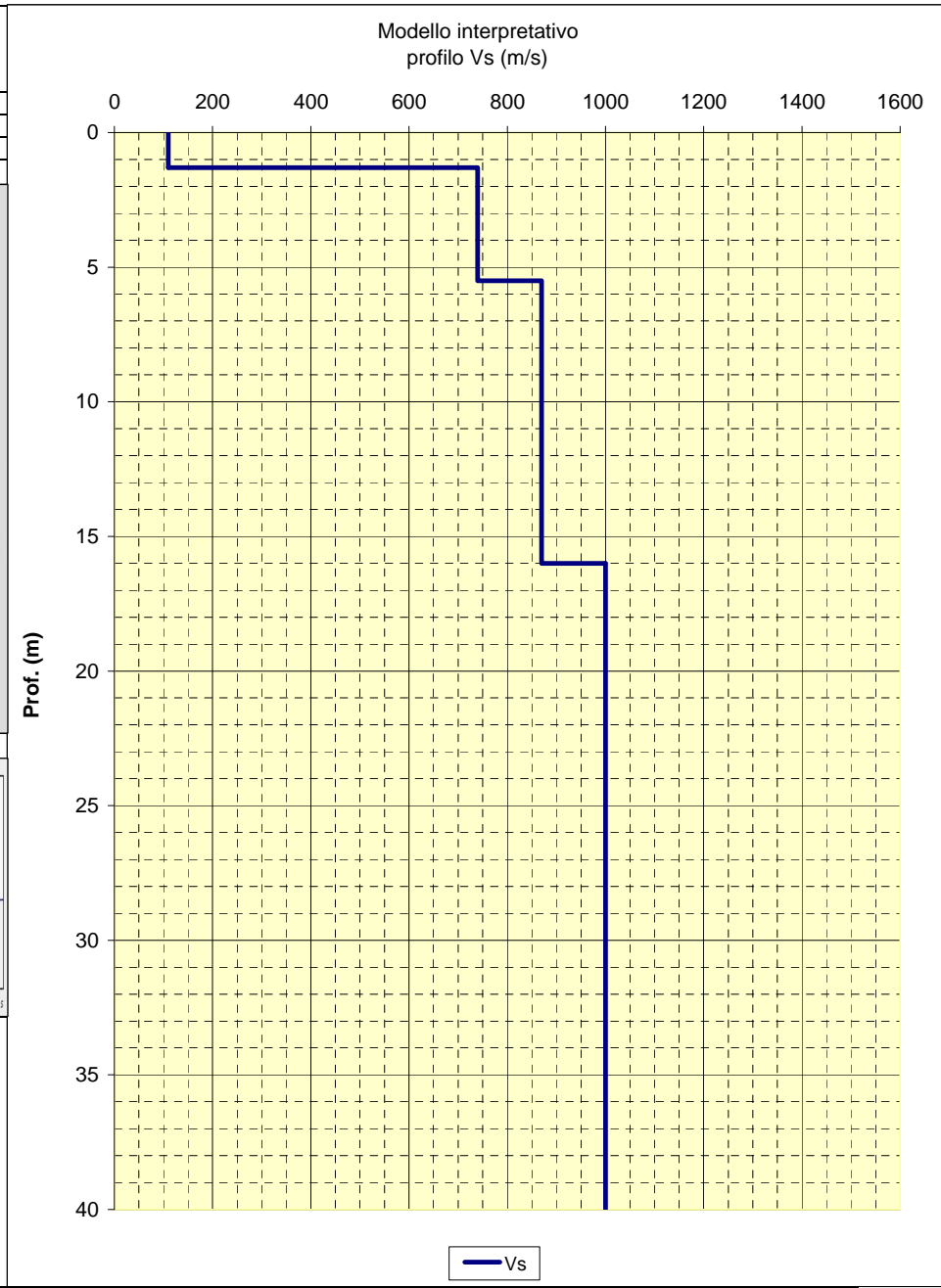
INDAGINE MASW/Re.Mi.
R20

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 22-10-2013 CANTIERE: Sirano
 QUOTA: 140 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



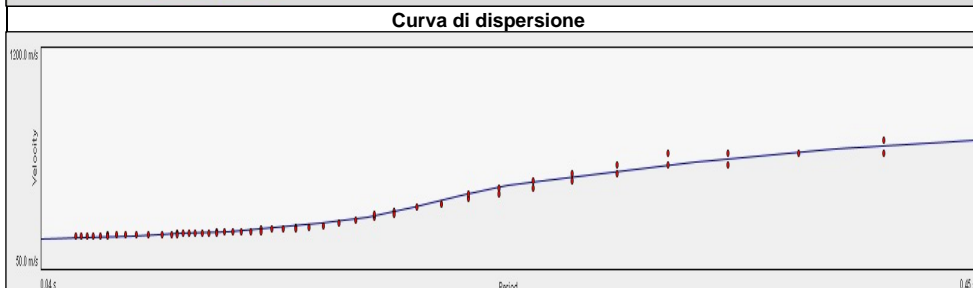
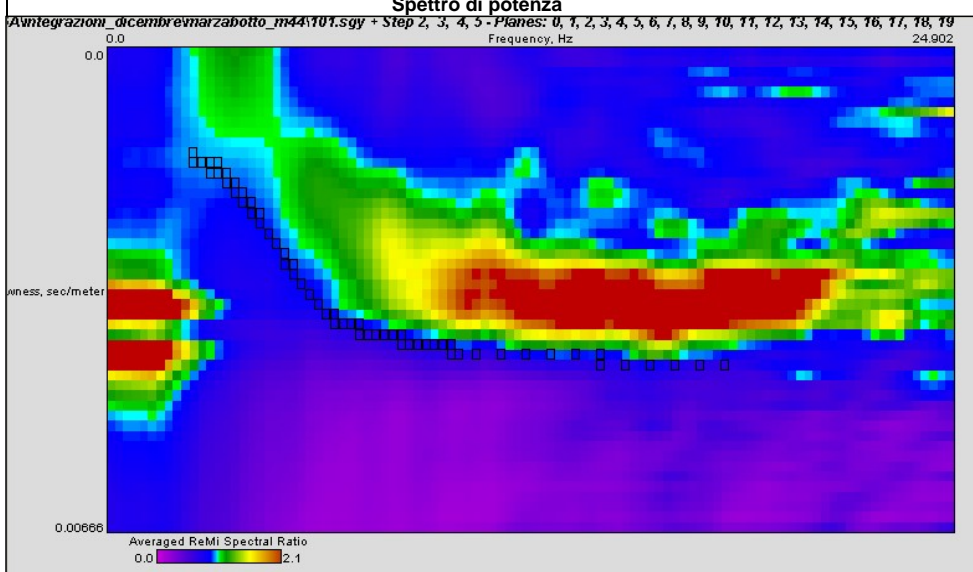
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1.3	1.3	110
2	1.3	5.5	4.2	740
3	5.5	16	10.5	870
4	16	INF	INF	1000
5				
6				
7				
8				
9				
10				



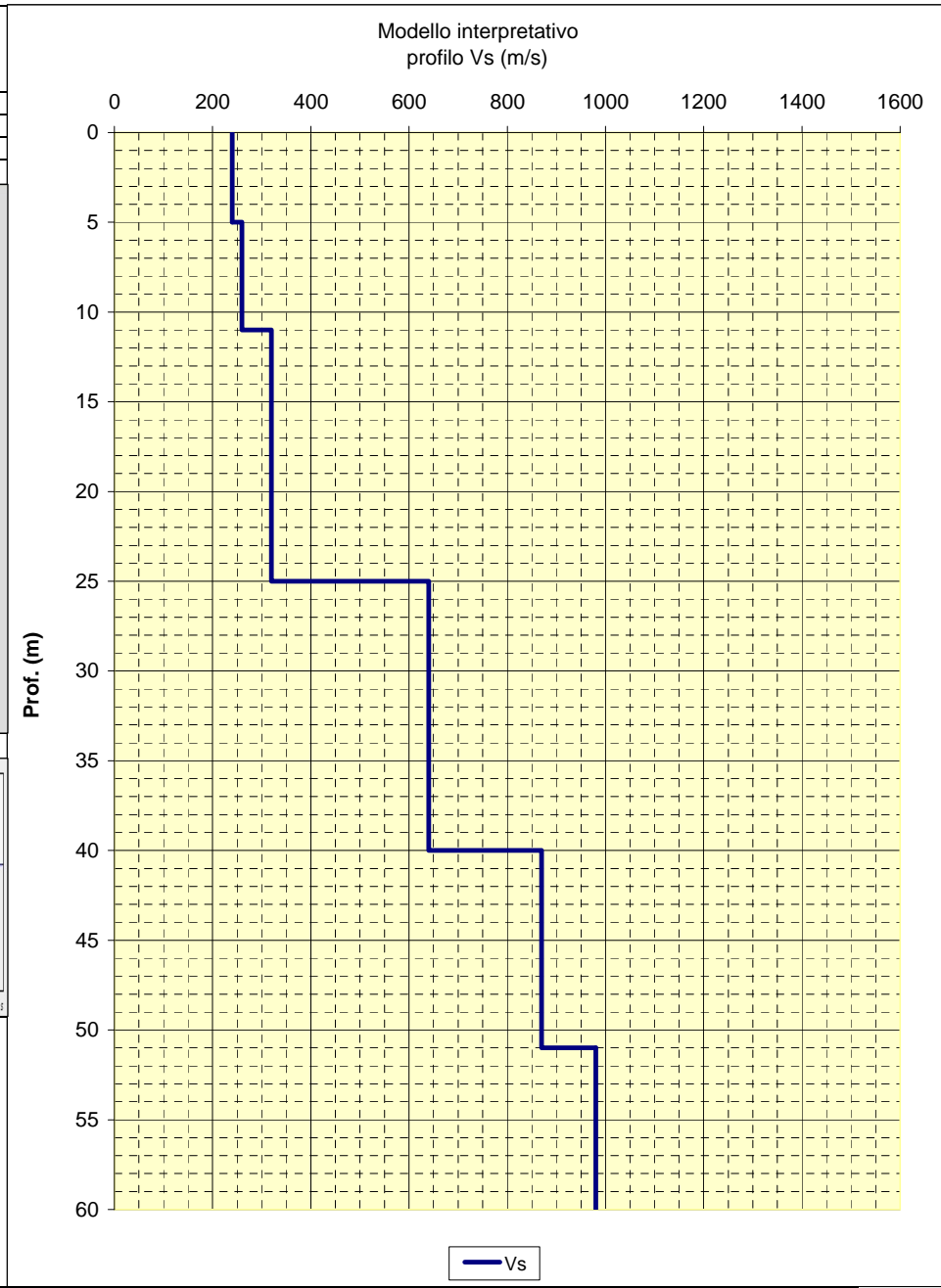
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R44
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 23-12-2013	CANTIERE: Sibano
QUOTA: 155 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



Note:

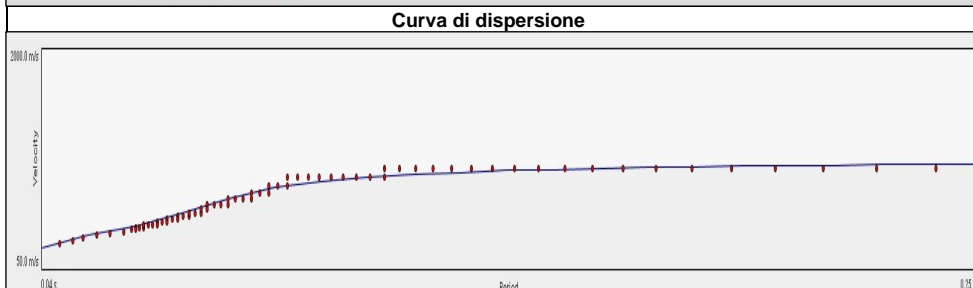
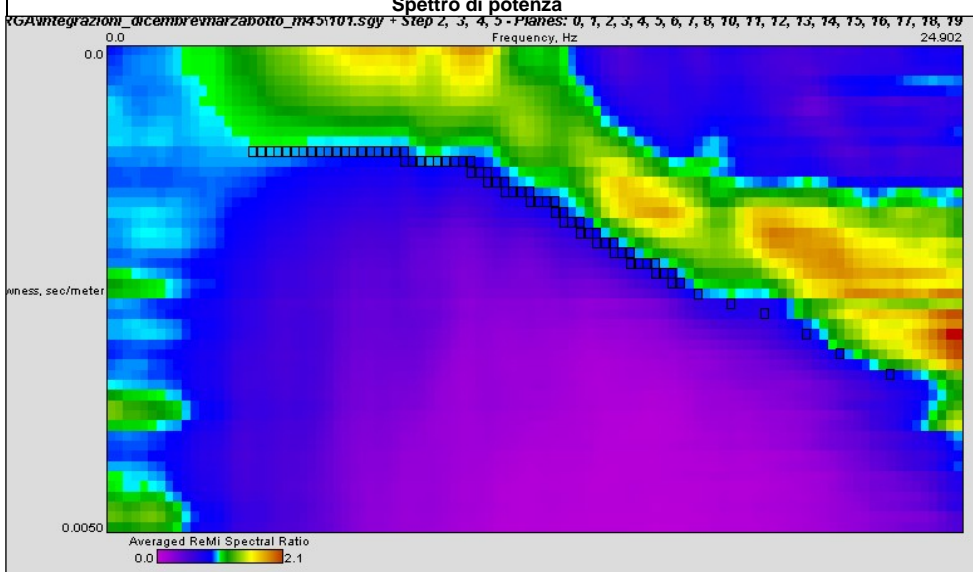
Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	5	5	240
2	5	11	6	260
3	11	25	14	320
4	25	40	15	640
5	40	51	11	870
6	51	INF	INF	980
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

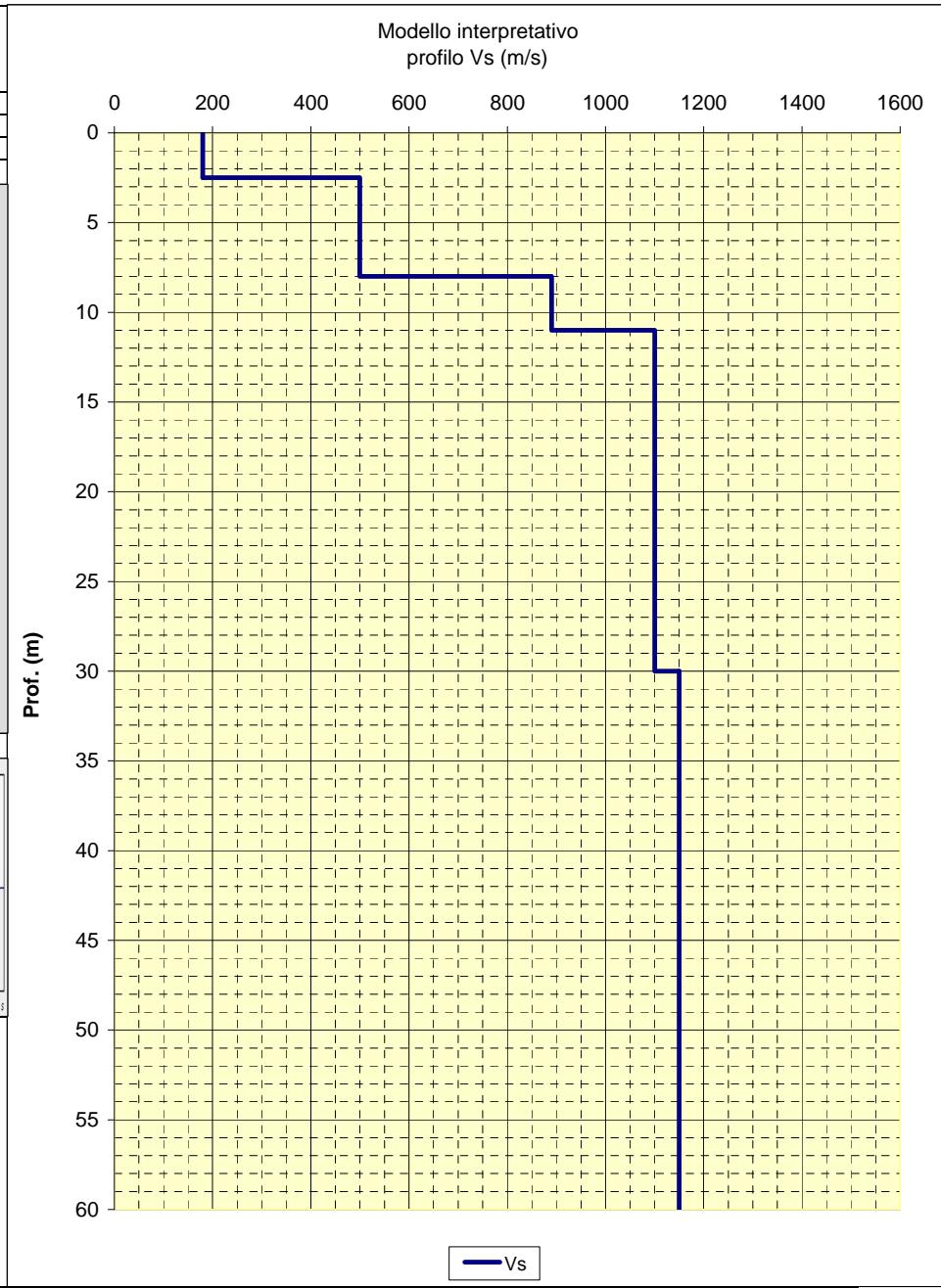
INDAGINE MASW/Re.Mi.
R45

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 23-12-2013 CANTIERE: Sperticano
 QUOTA: 160 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



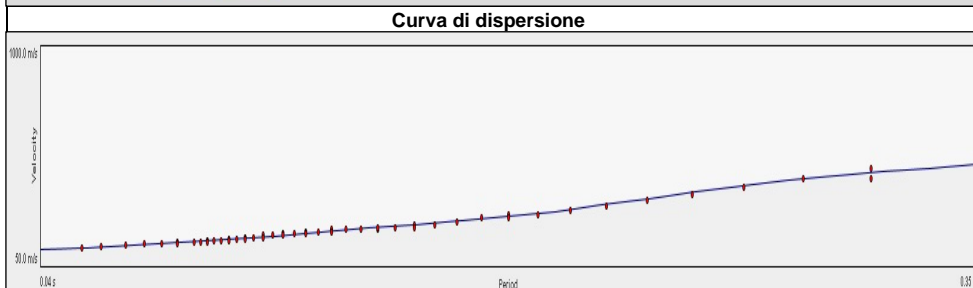
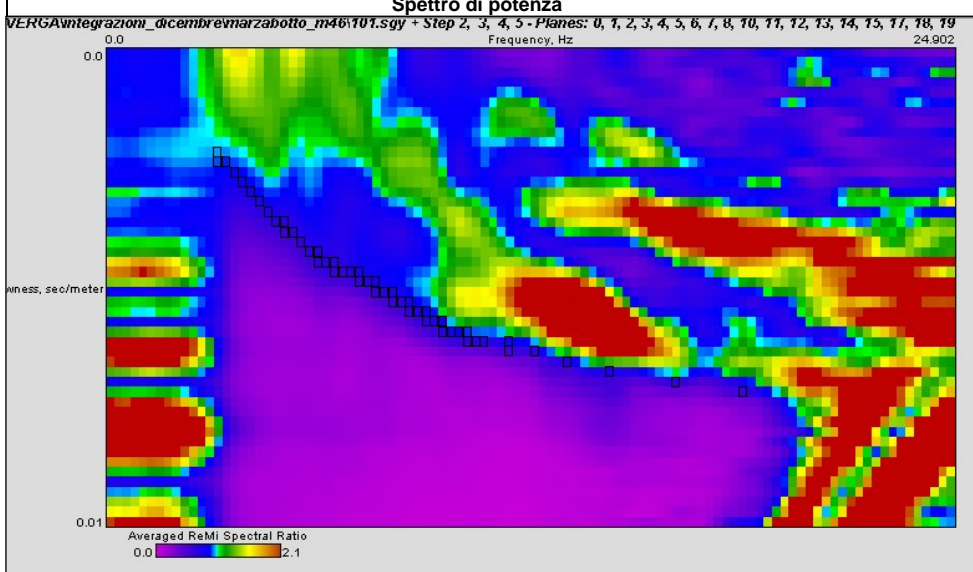
Note:

Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	2.5	2.5	180
2	2.5	8	5.5	500
3	8	11	3	890
4	11	30	19	1100
5	30	INF	INF	1150
6				
7				
8				
9				
10				



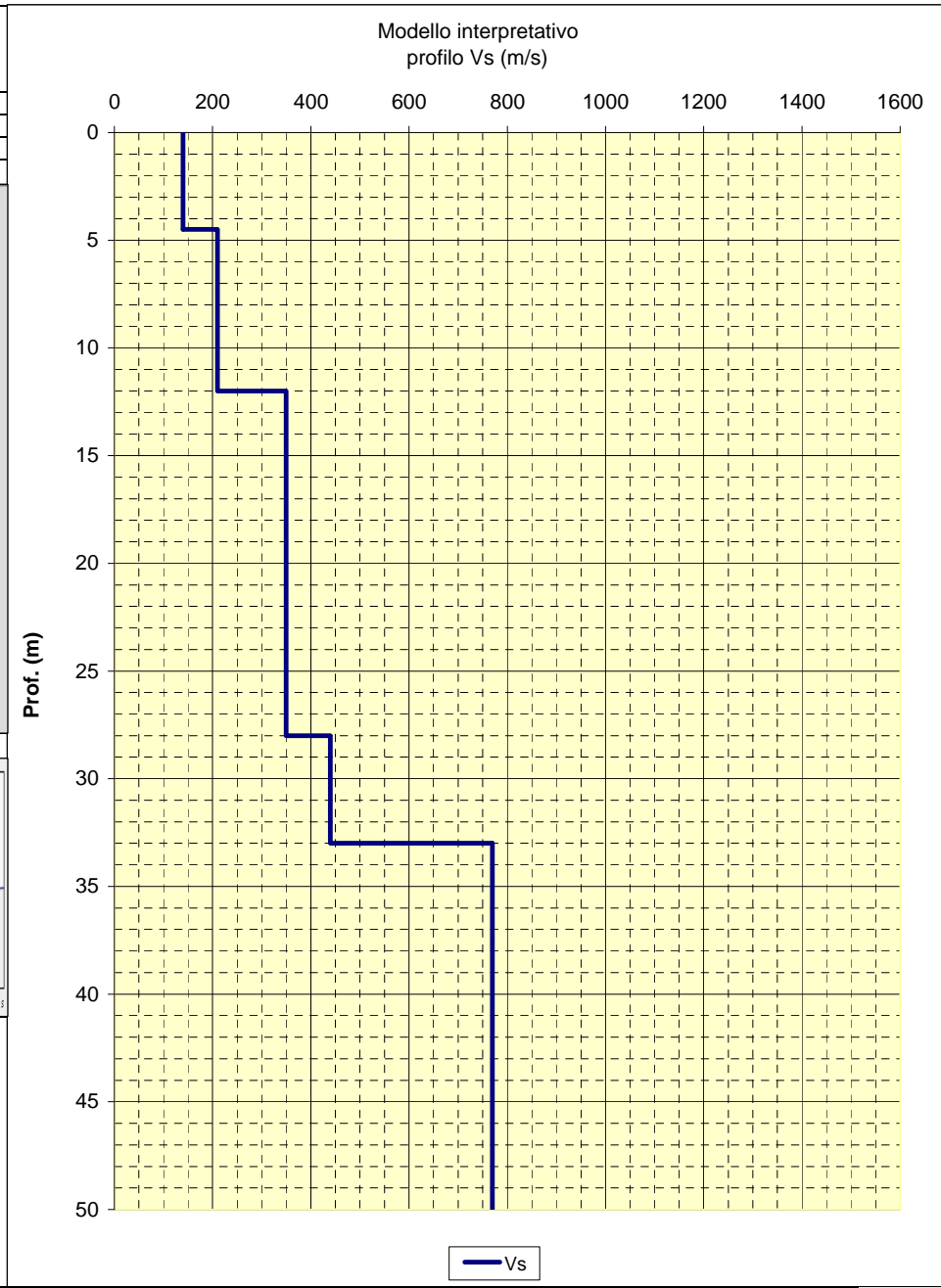
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R46
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 23-12-2013	CANTIERE: Pian di Venola
QUOTA: 160 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



Note:

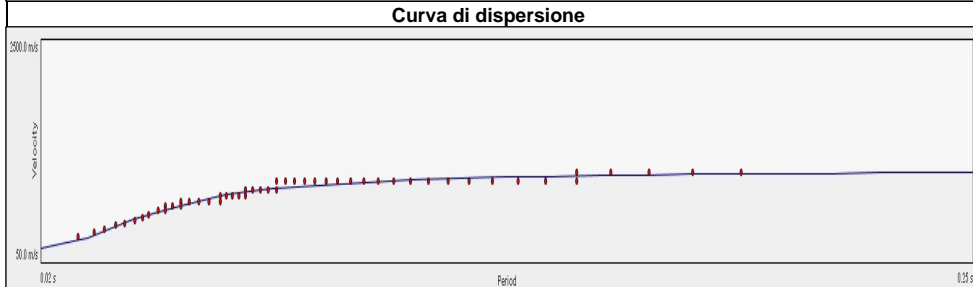
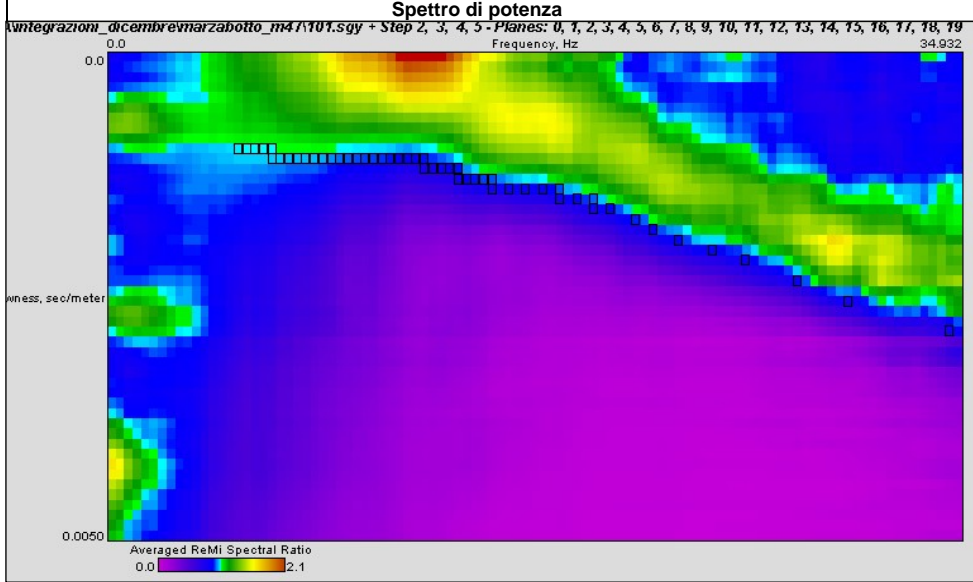
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	4.5	4.5	140
2	4.5	12	7.5	210
3	12	28	16	350
4	28	33	5	440
5	33	INF	INF	770
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

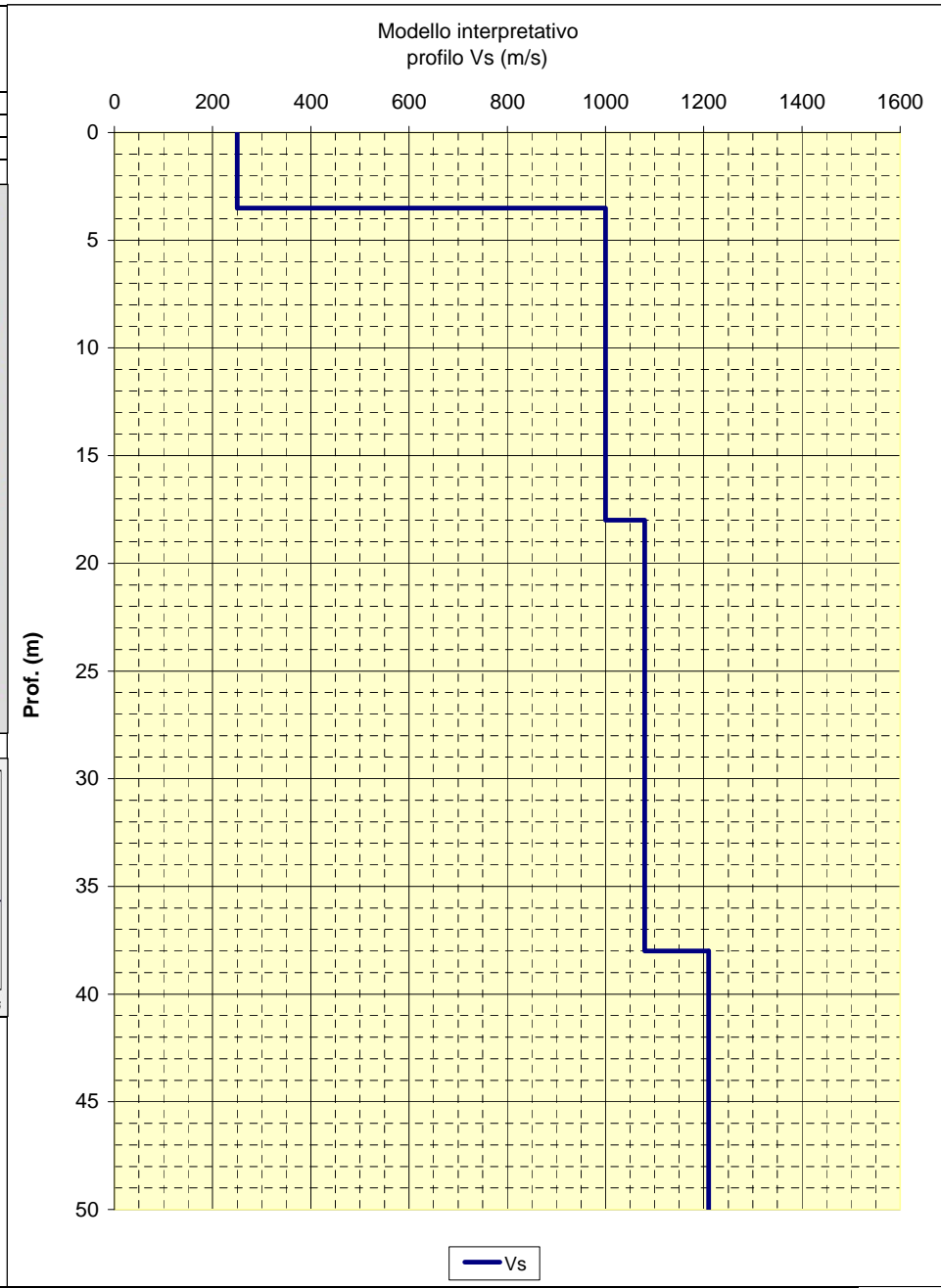
INDAGINE MASW/Re.Mi.
R47

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 23-12-2013 CANTIERE: Marzabotto
 QUOTA: 160 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

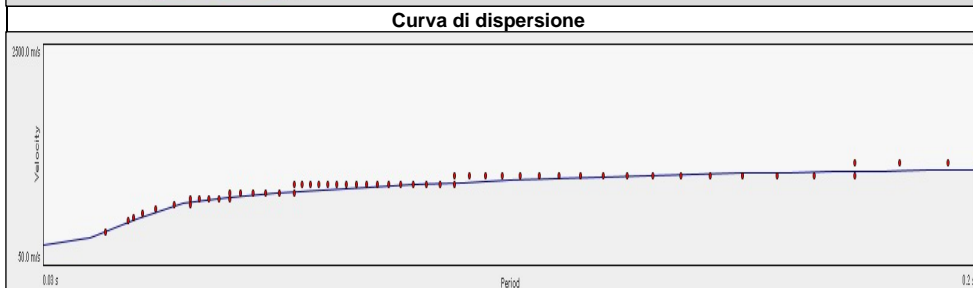
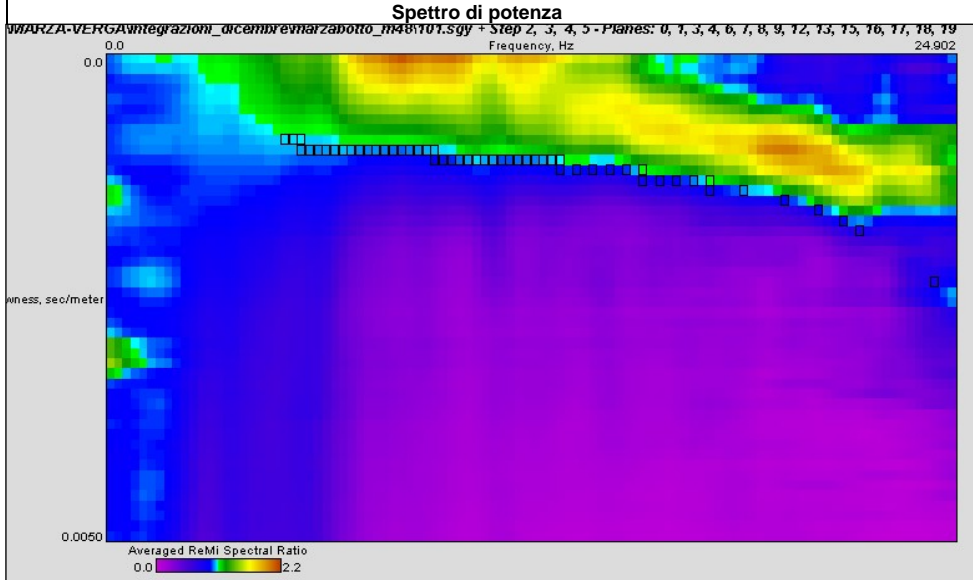
Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	3.5	3.5	250
2	3.5	18	14.5	1000
3	18	38	20	1080
4	38	INF	INF	1210
5				
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

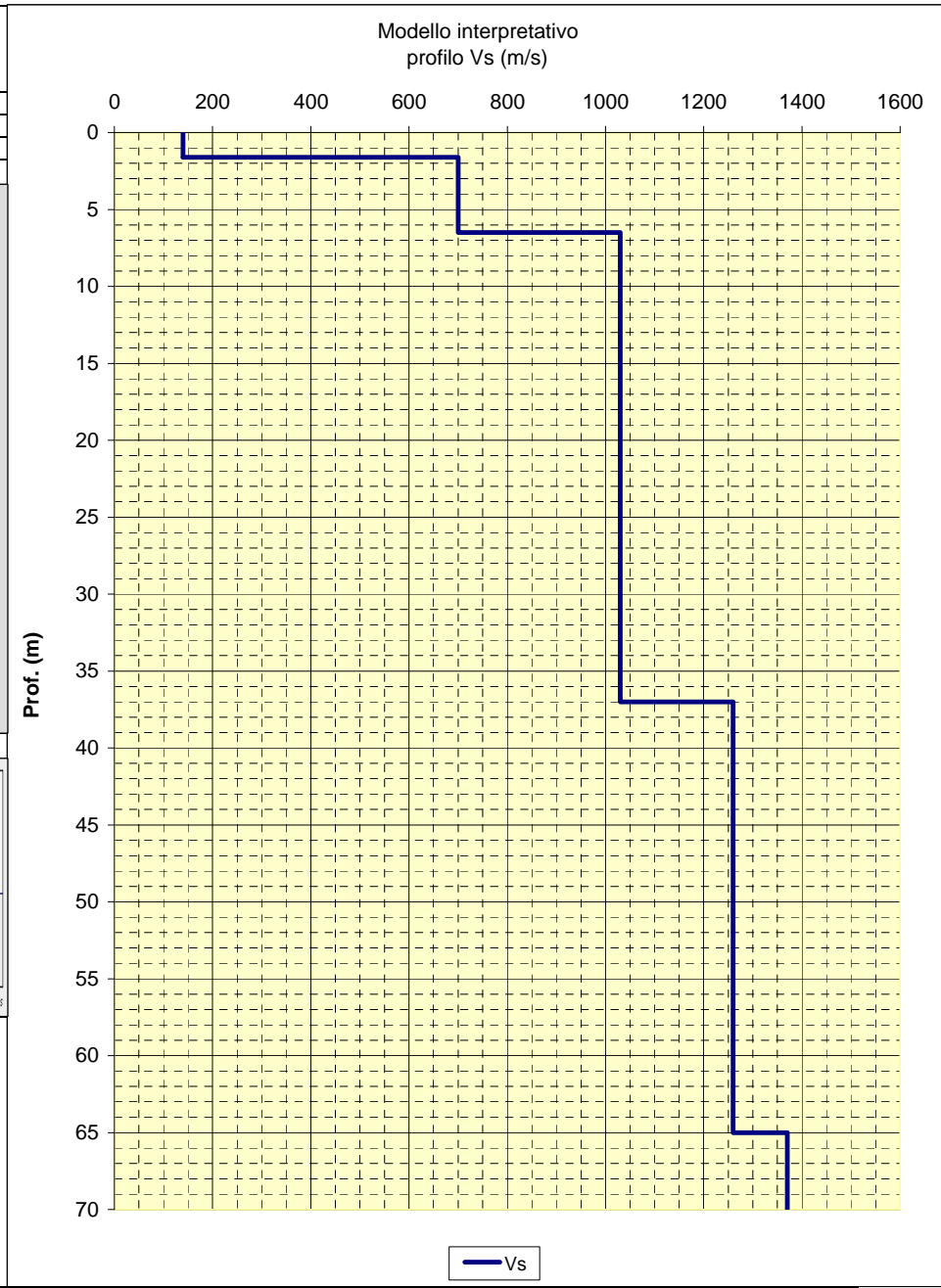
INDAGINE MASW/Re.Mi.
R48

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 23-12-2013 CANTIERE: Panico
 QUOTA: 160 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

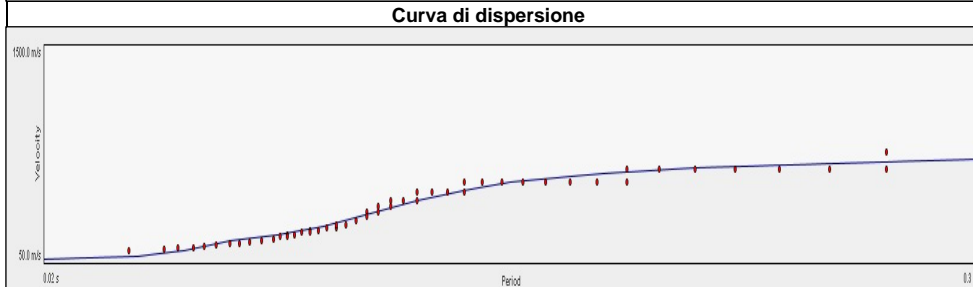
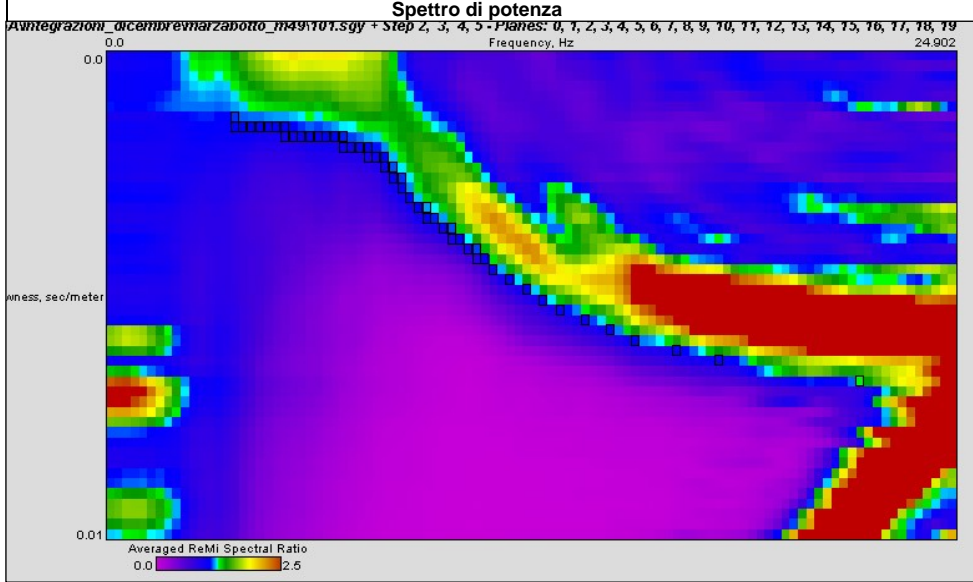
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1.6	1.6	140
2	1.6	6.5	4.9	700
3	6.5	37	30.5	1030
4	37	65	28	1260
5	65	INF	INF	1370
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

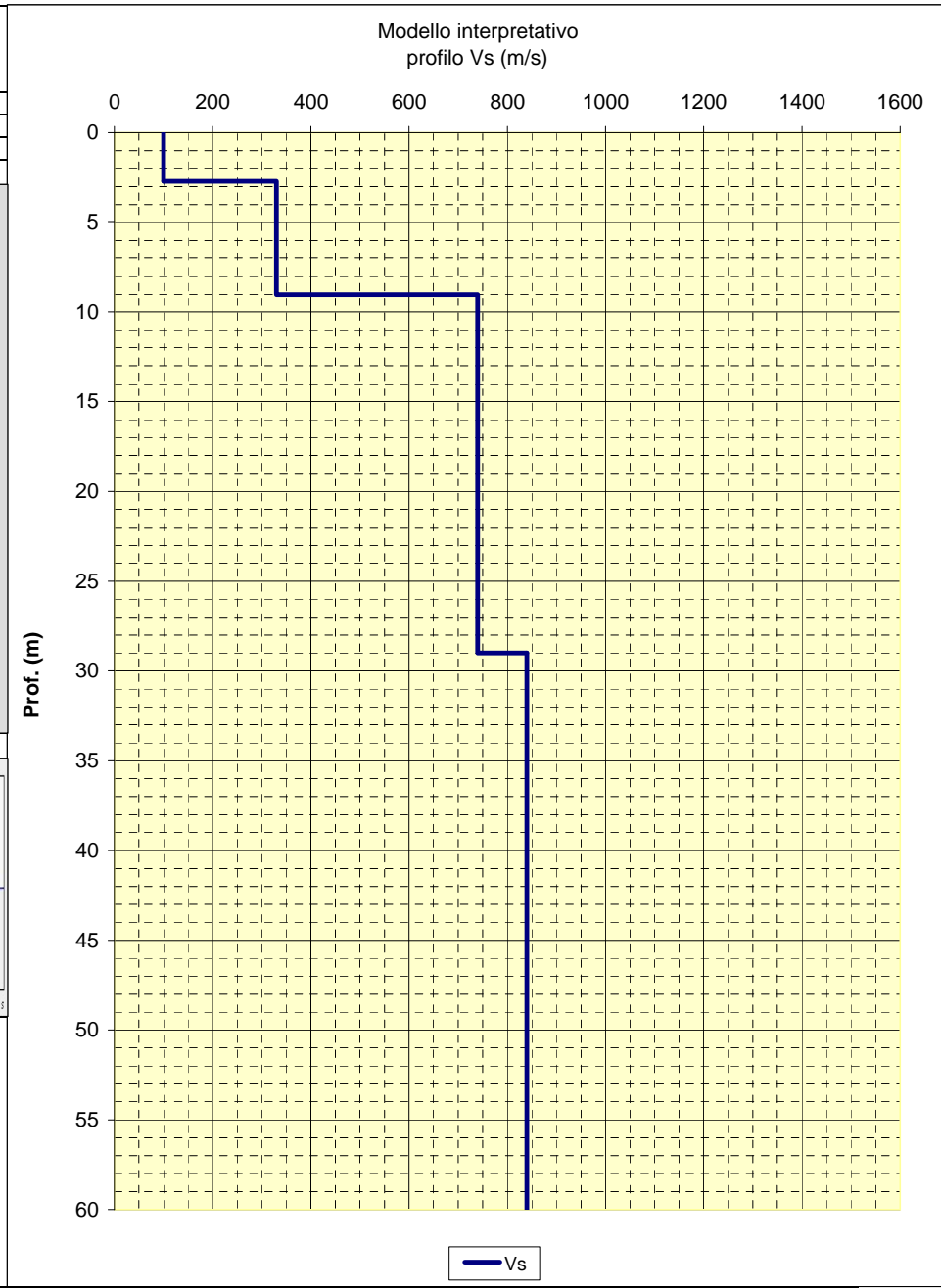
INDAGINE MASW/Re.Mi.
R49

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 23-12-2013 CANTIERE: La Cà
 QUOTA: 150 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

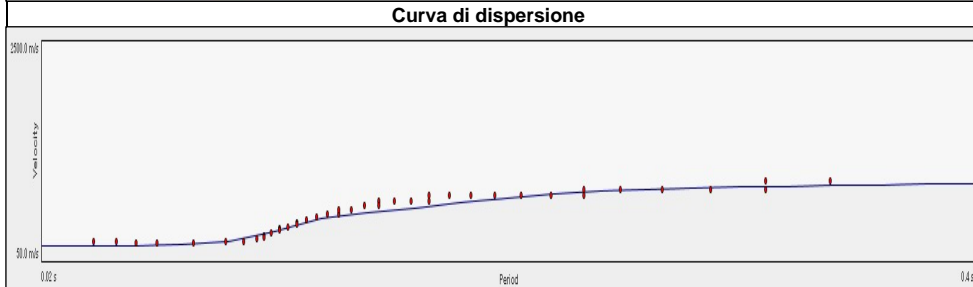
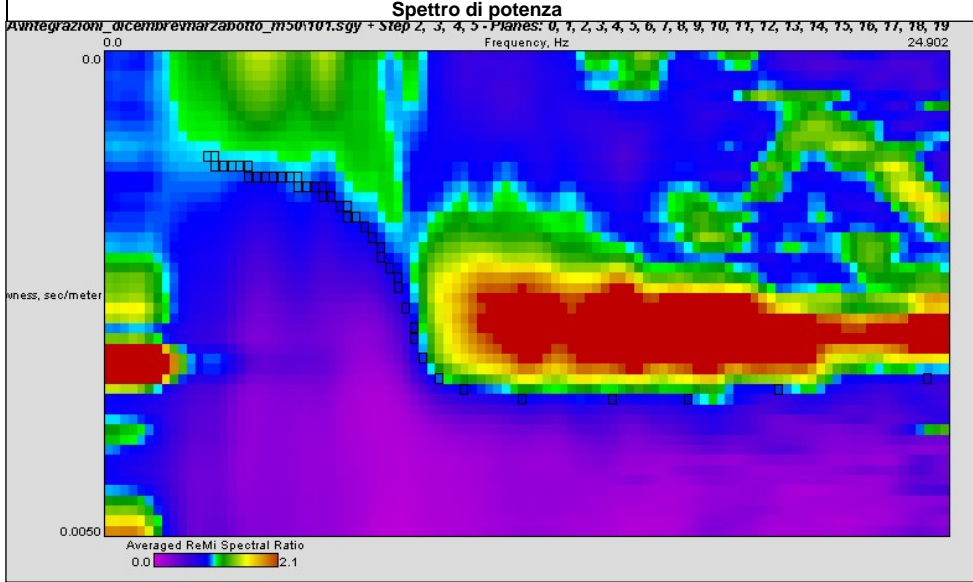
Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	2.7	2.7	100
2	2.7	9	6.3	330
3	9	29	20	740
4	29	INF	INF	840
5				
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

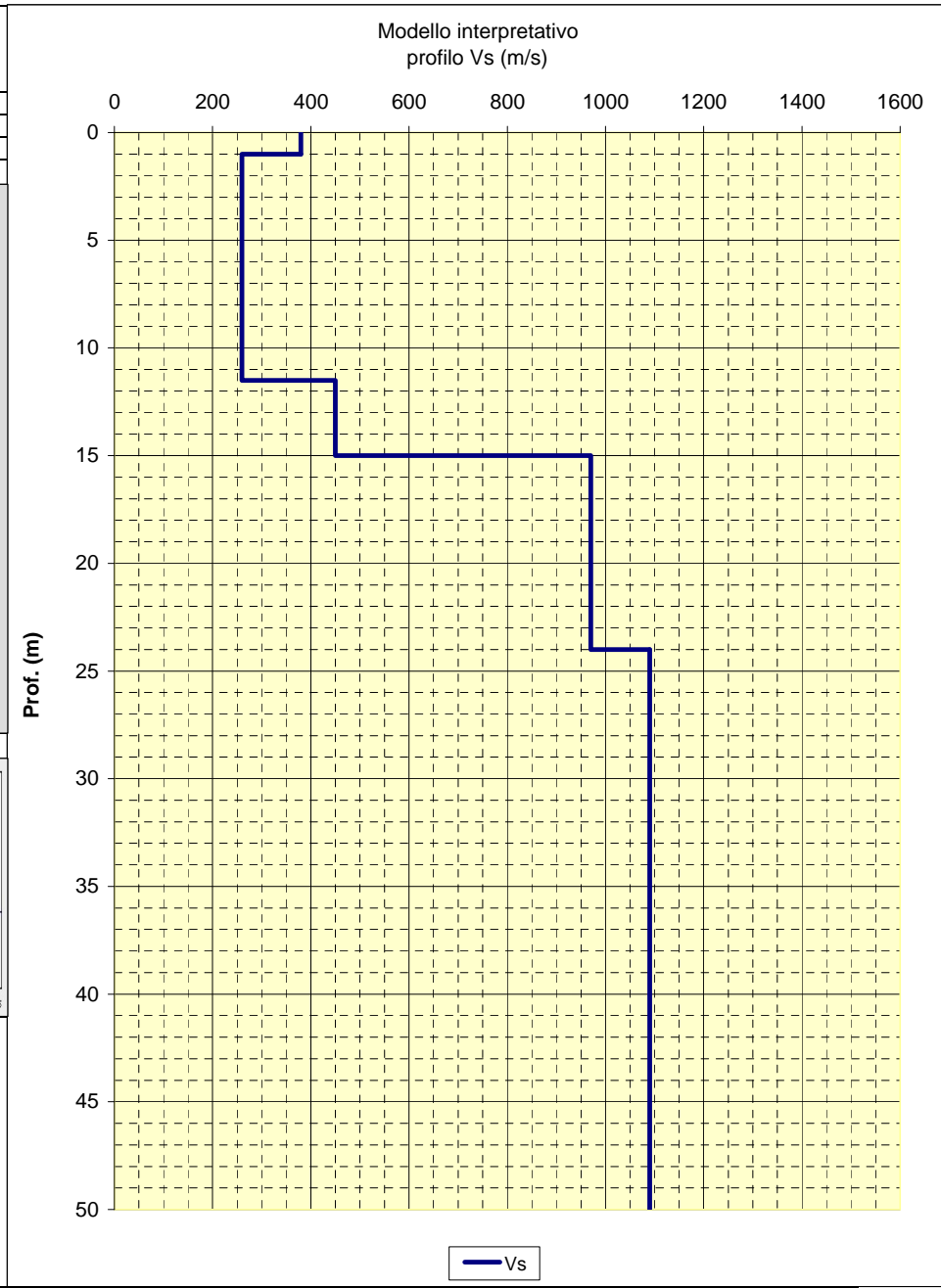
**INDAGINE MASW/Re.Mi.
R50**

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 23-12-2013 CANTIERE: Sirano
 QUOTA: 160 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

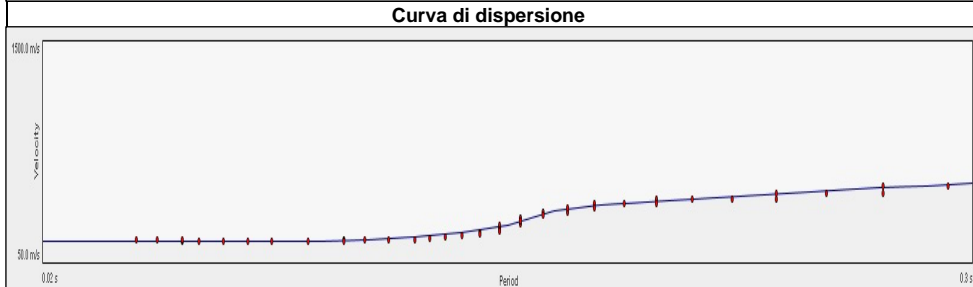
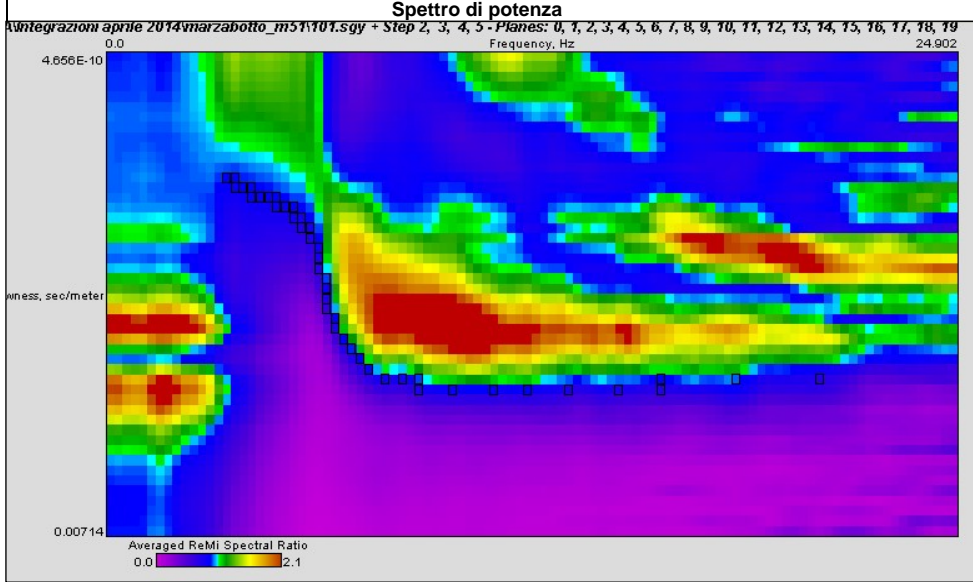
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1	1	380
2	1	11.5	10.5	260
3	11.5	15	3.5	450
4	15	24	9	970
5	24	INF	INF	1090
6				
7				
8				
9				
10				



CENTROGEO
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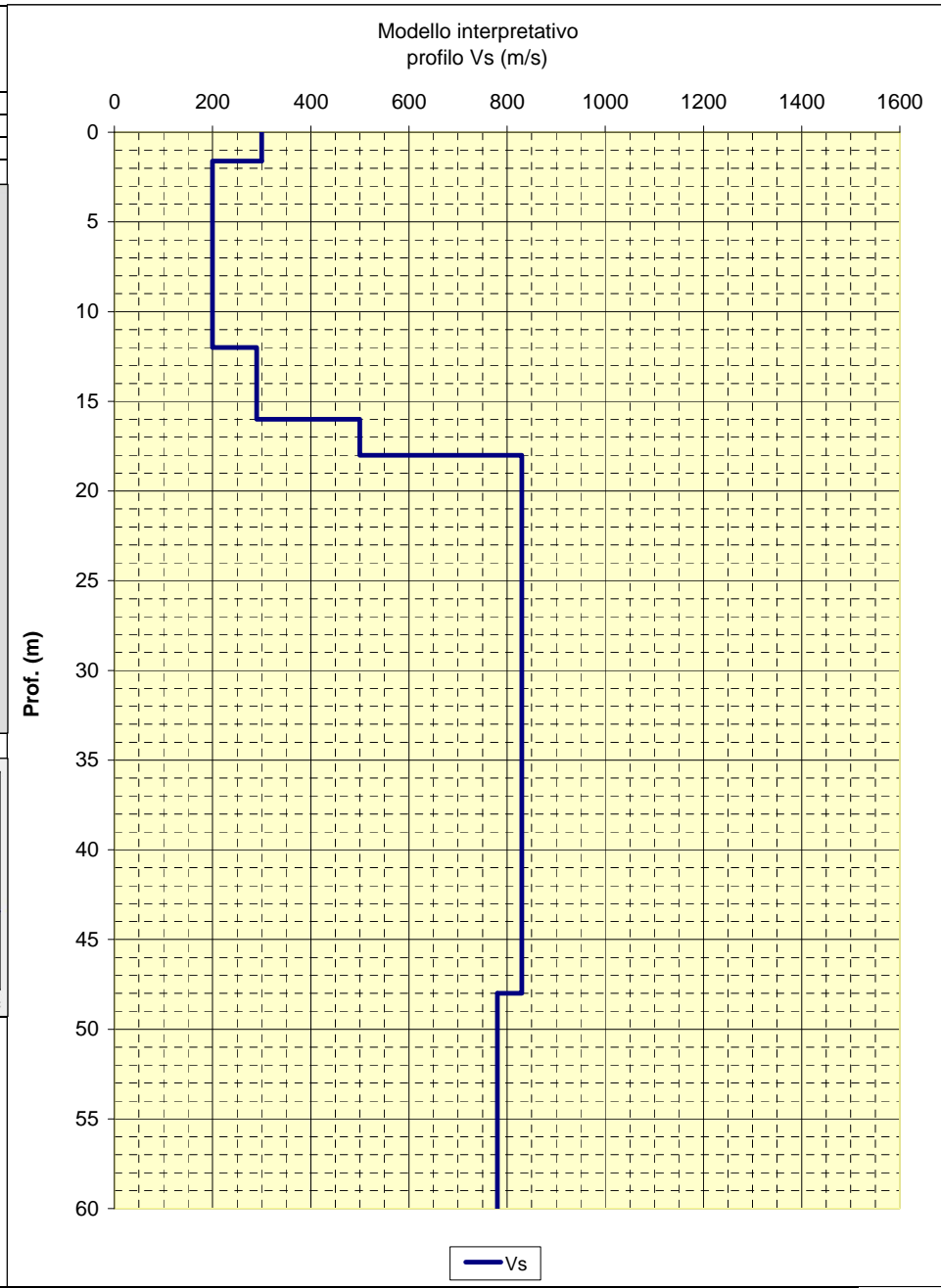
INDAGINE MASW/Re.Mi.
R51

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 08-04-2014 CANTIERE: Pian di Venola
 QUOTA: 157 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

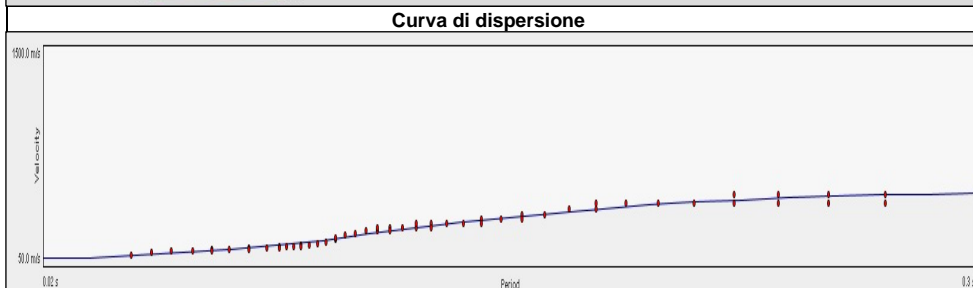
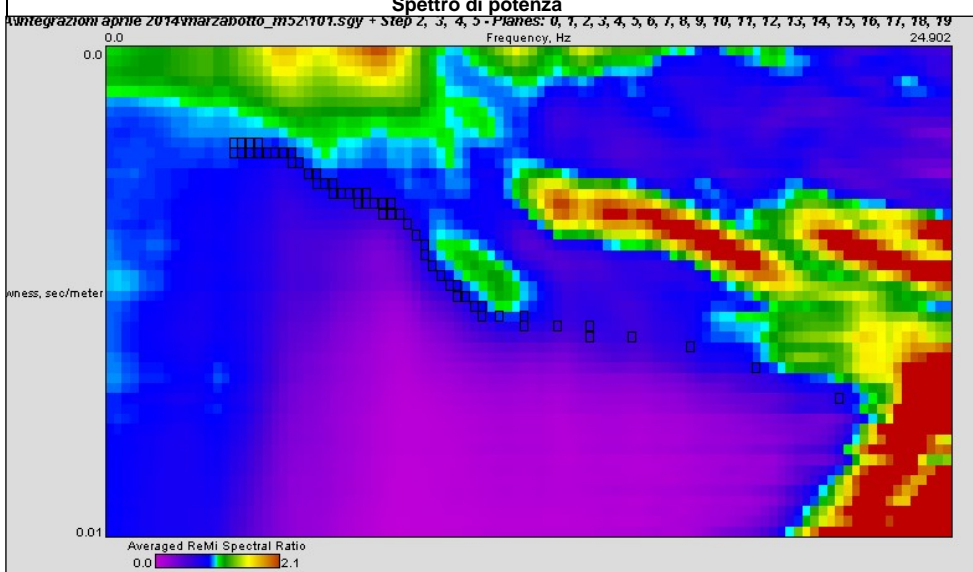
Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	1.6	1.6	300
2	1.6	12	10.4	200
3	12	16	4	290
4	16	18	2	500
5	18	48	30	830
6	48	INF	INF	780
7				
8				
9				
10				



CENTROGEO
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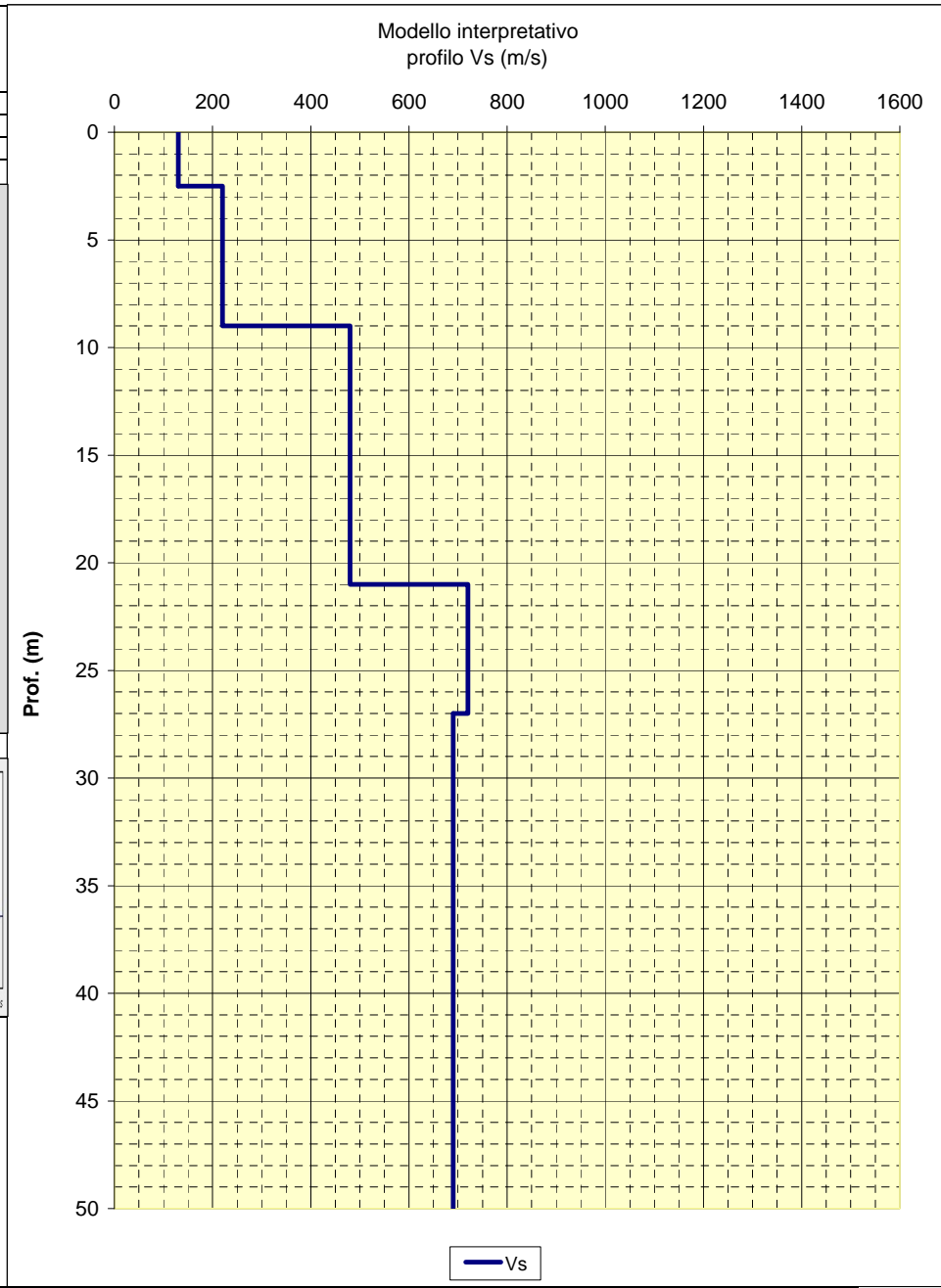
INDAGINE MASW/Re.Mi.
R52

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 08-04-2014 CANTIERE: Pian di Venola
 QUOTA: 149 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

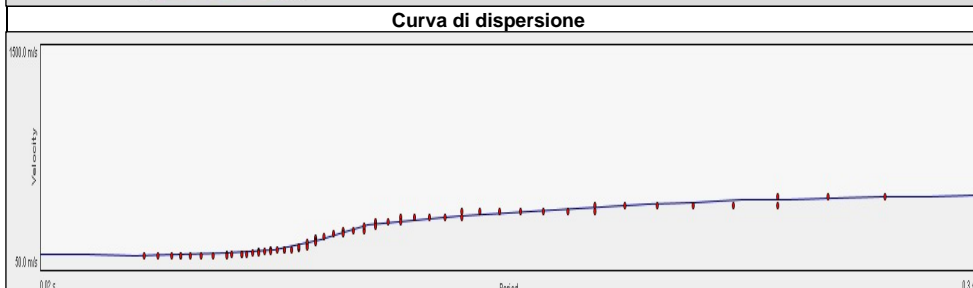
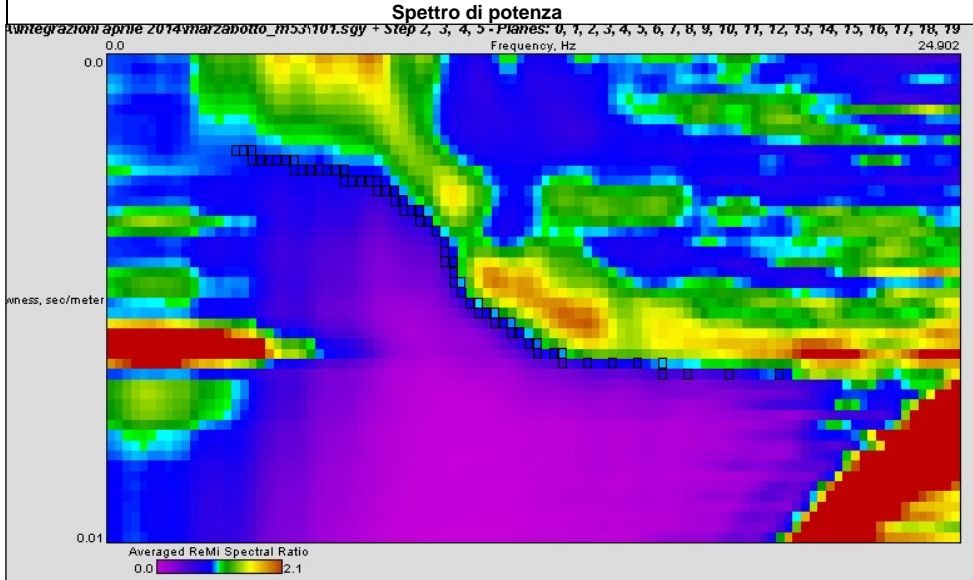
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	2.5	2.5	130
2	2.5	9	6.5	220
3	9	21	12	480
4	21	27	6	720
5	27	INF	INF	690
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

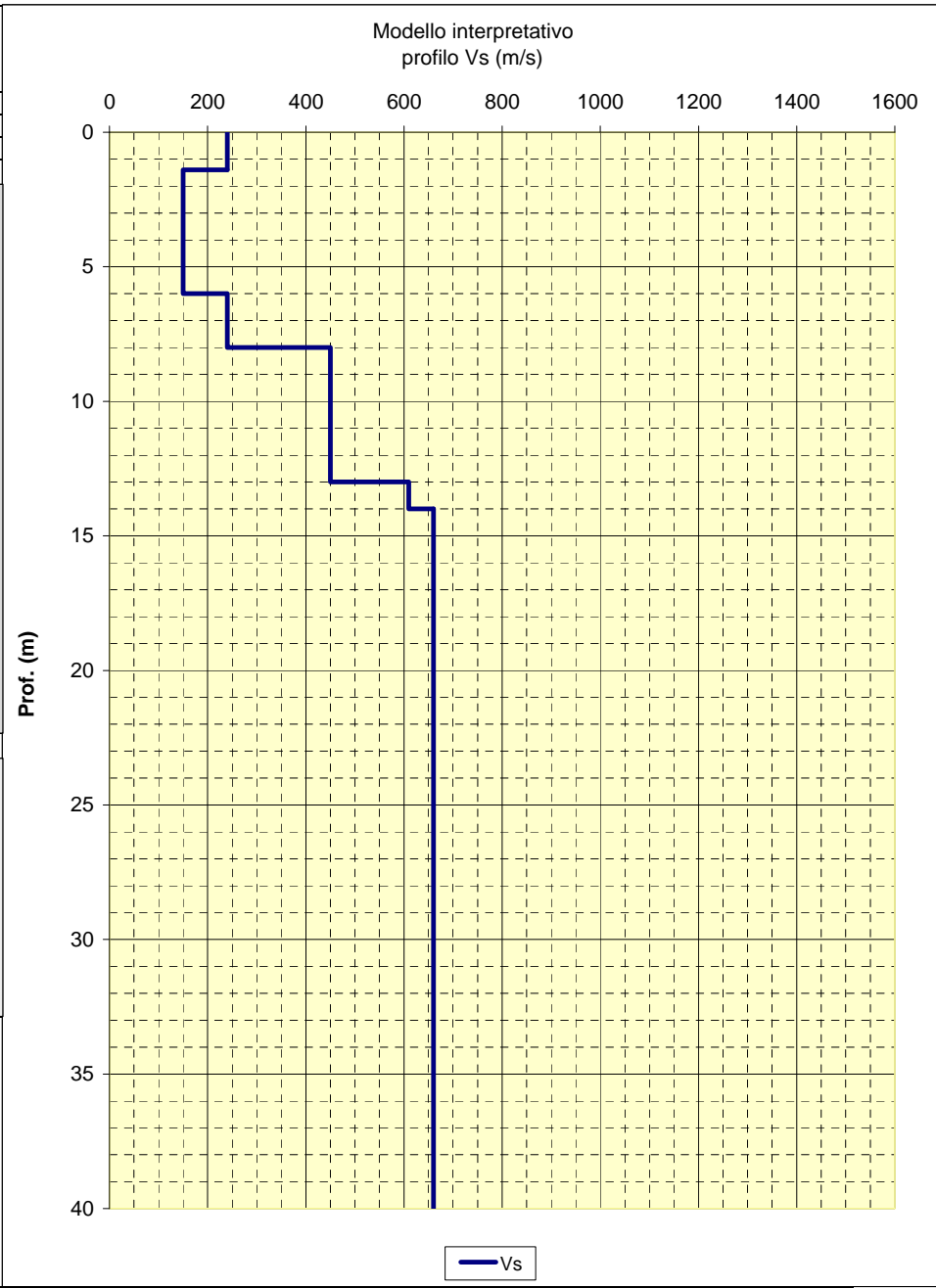
INDAGINE MASW/Re.Mi.
R53

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 08-04-2014 CANTIERE: Pian di Venola
 QUOTA: 144 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



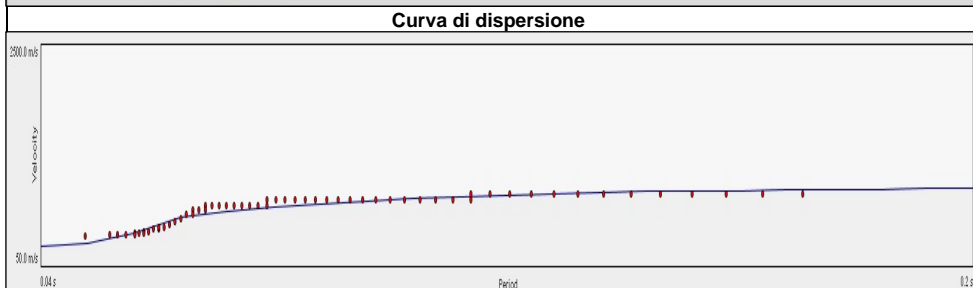
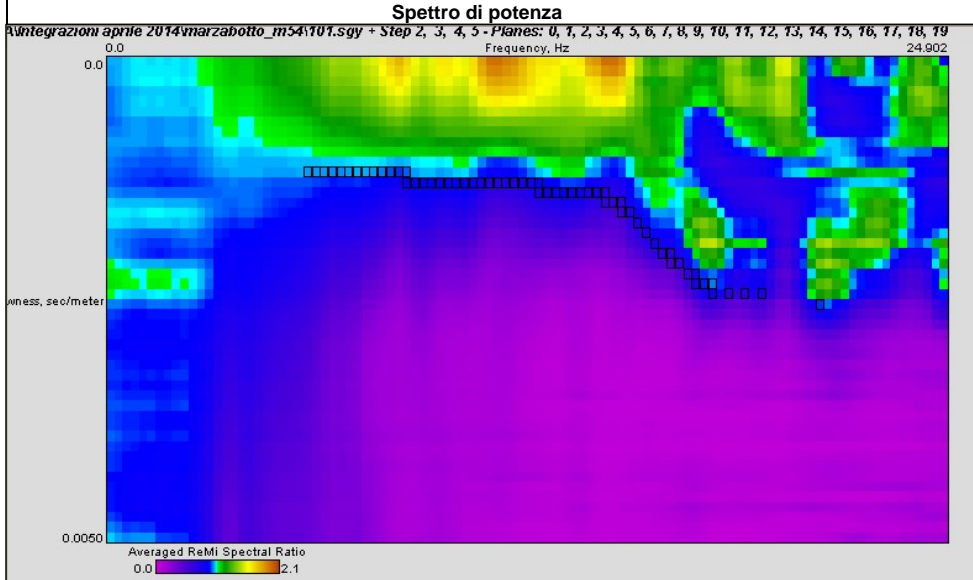
Note:

Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	1.4	1.4	240
2	1.4	6	4.6	150
3	6	8	2	240
4	8	13	5	450
5	13	14	1	610
6	14	INF	INF	660
7				
8				
9				
10				



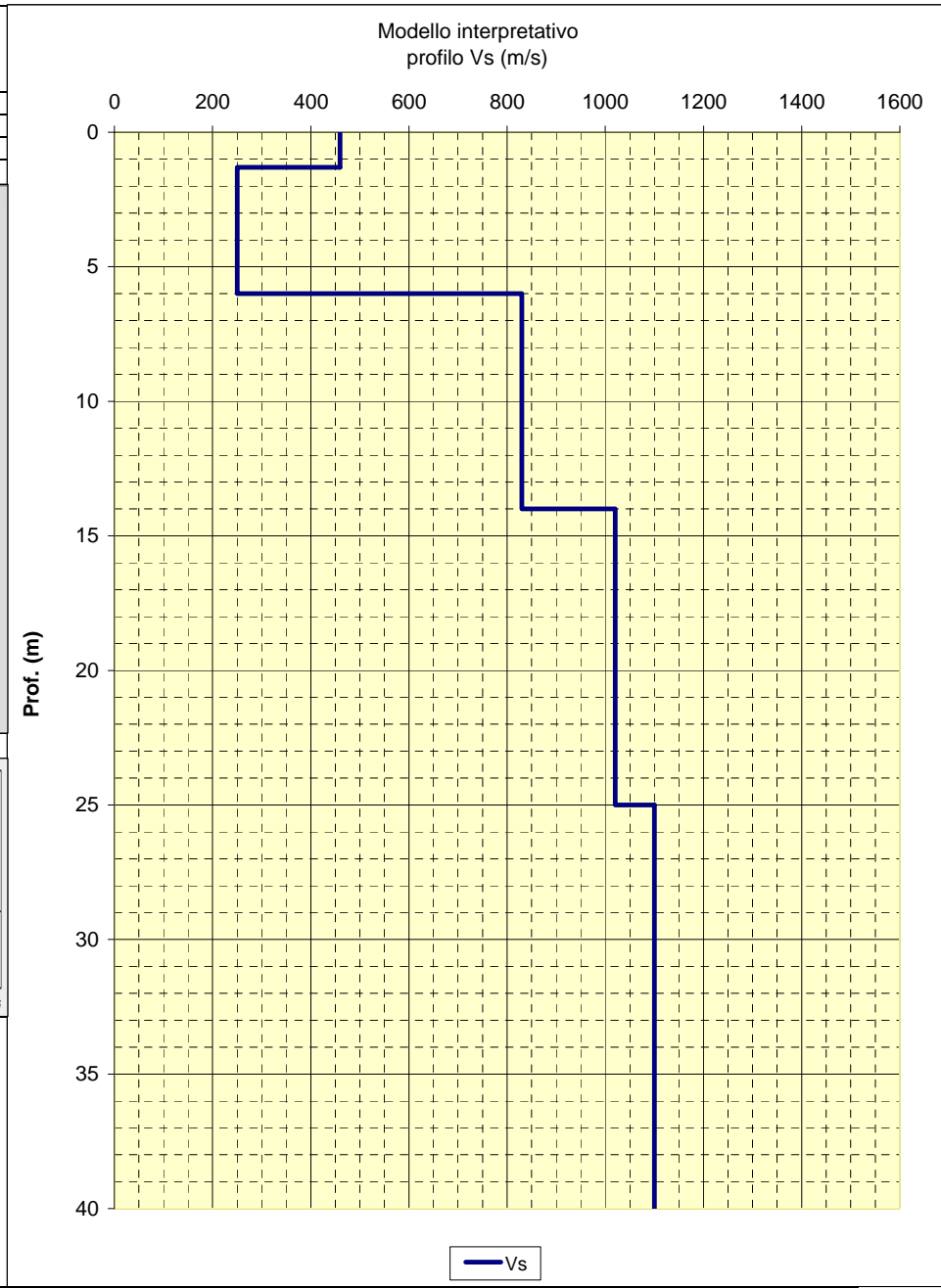
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R54
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 08-04-2014	CANTIERE: Sasdello
QUOTA: 126 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



Note:

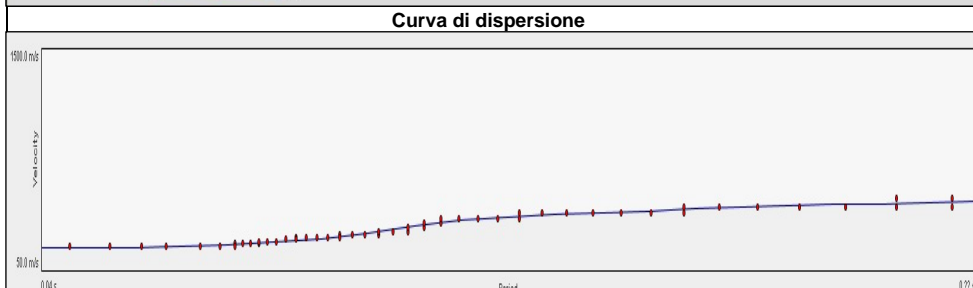
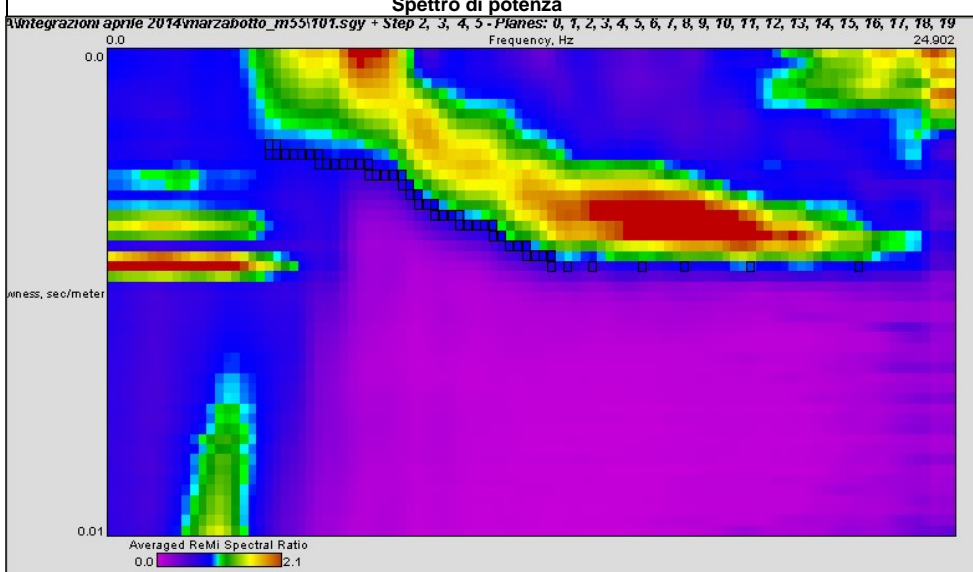
Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1.3	1.3	460
2	1.3	6	4.7	250
3	6	14	8	830
4	14	25	11	1020
5	25	INF	INF	1100
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

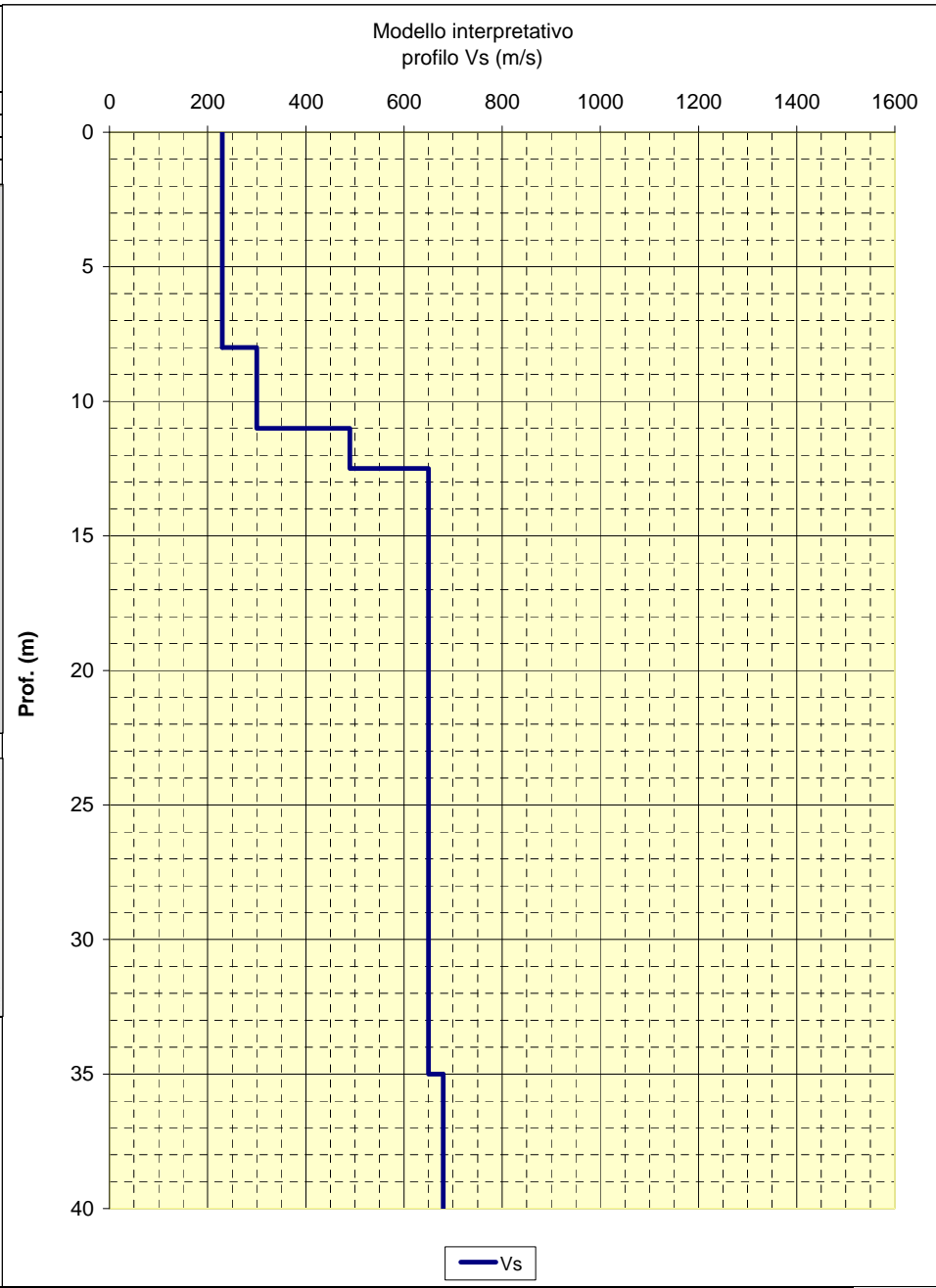
INDAGINE MASW/Re.Mi.
R55

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 08-04-2014 CANTIERE: Sasdello
 QUOTA: 135 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



Note:

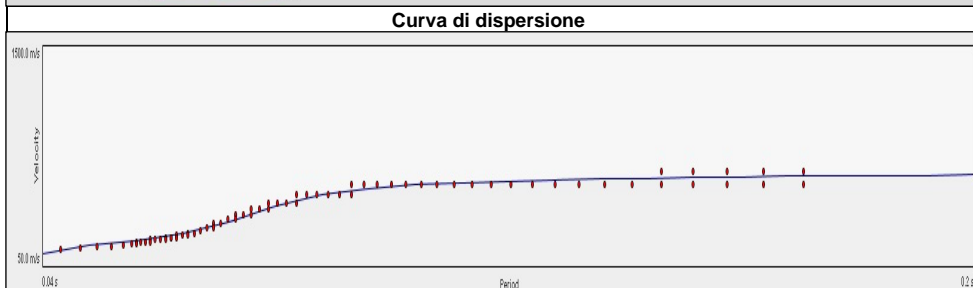
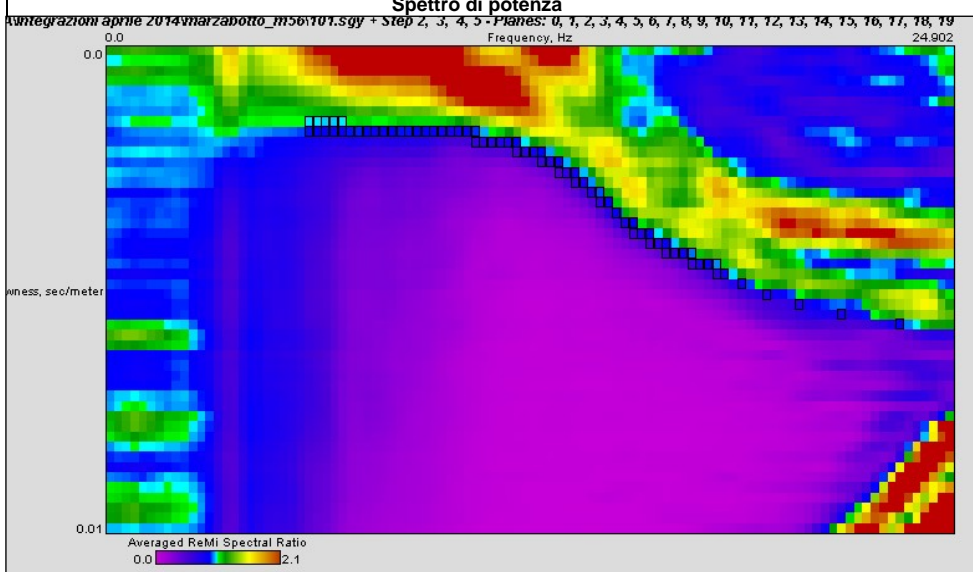
Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	8	230	
2	8	11	300	
3	11	12.5	490	
4	12.5	35	650	
5	35	INF	680	
6				
7				
8				
9				
10				



CENTROGEO
P.zza S. Quirino, 6 - 42015 Correggio (RE)

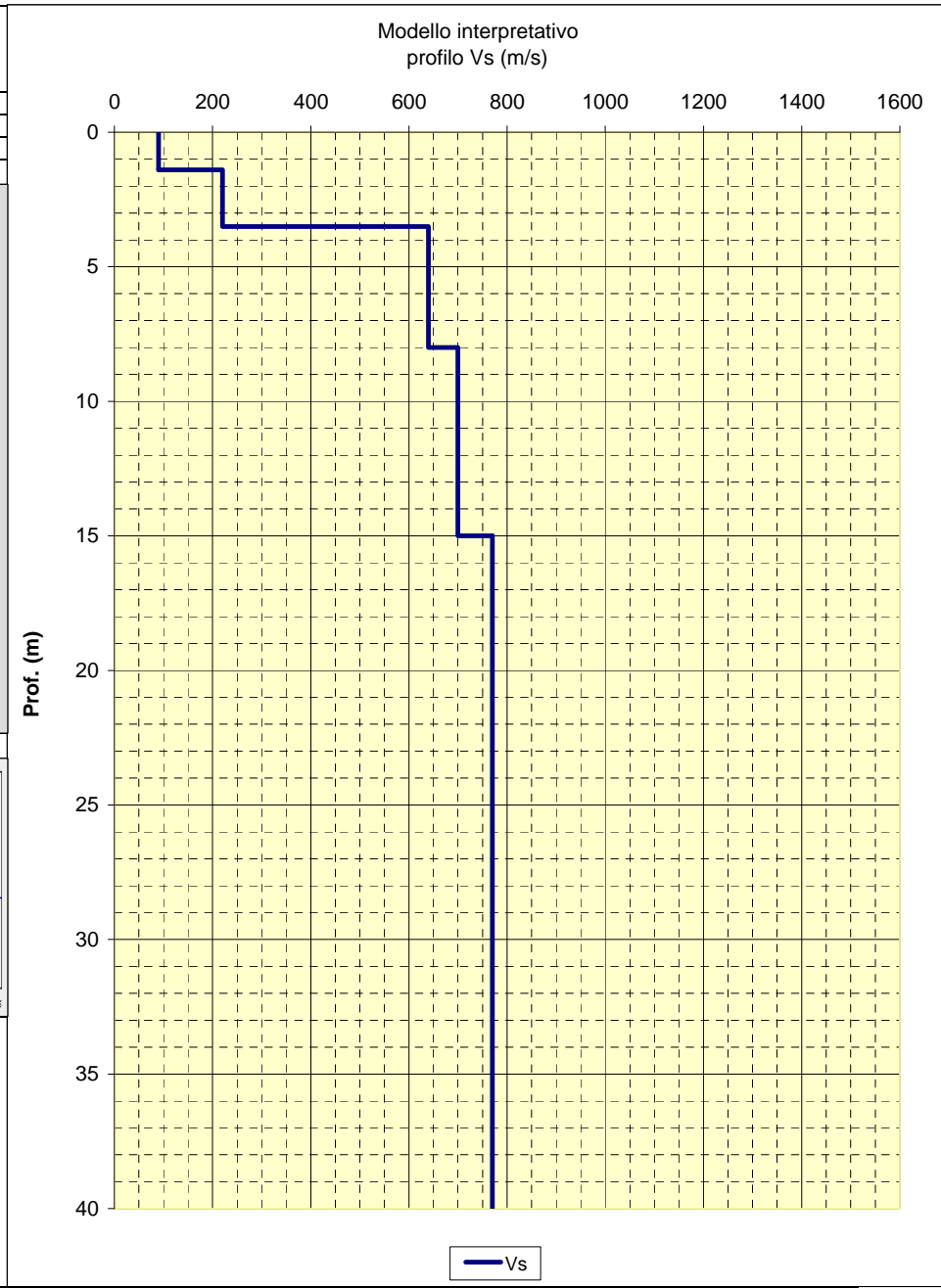
INDAGINE MASW/Re.Mi.
R56

LOCALITA': Marzabotto (BO) COMMITTENTE: Amm. Comunale
 DATA: 08-04-2014 CANTIERE: Sasdello
 QUOTA: 126 m. s.l.m. OPERATORI: Mazzetti M. - Arbizzi A.



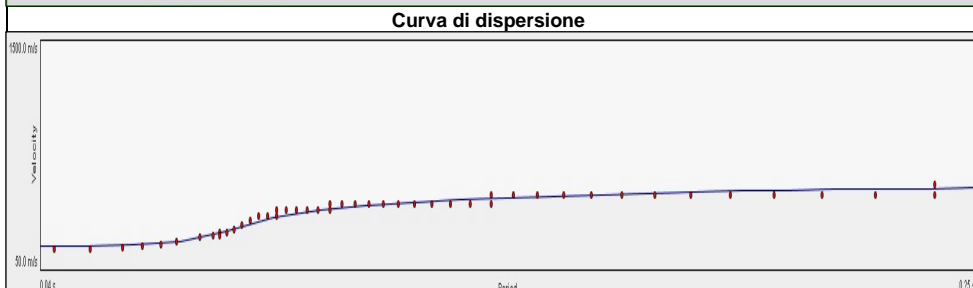
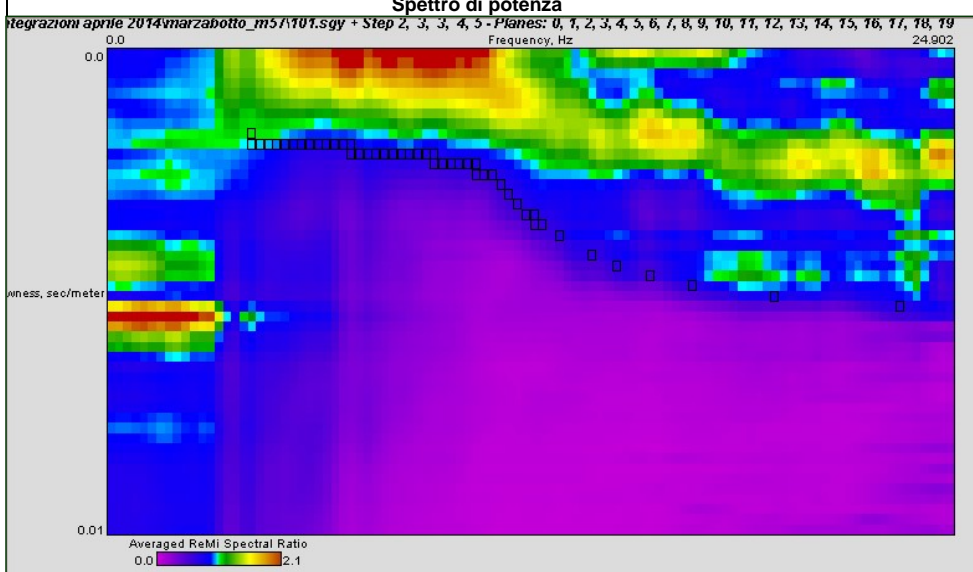
Note:

Modello interpretativo				
Strato n°	Prof. (m)		Spess. (m)	Vs (m/s)
1	0	1.4	1.4	90
2	1.4	3.5	2.1	220
3	3.5	8	4.5	640
4	8	15	7	700
5	15	INF	INF	770
6				
7				
8				
9				
10				



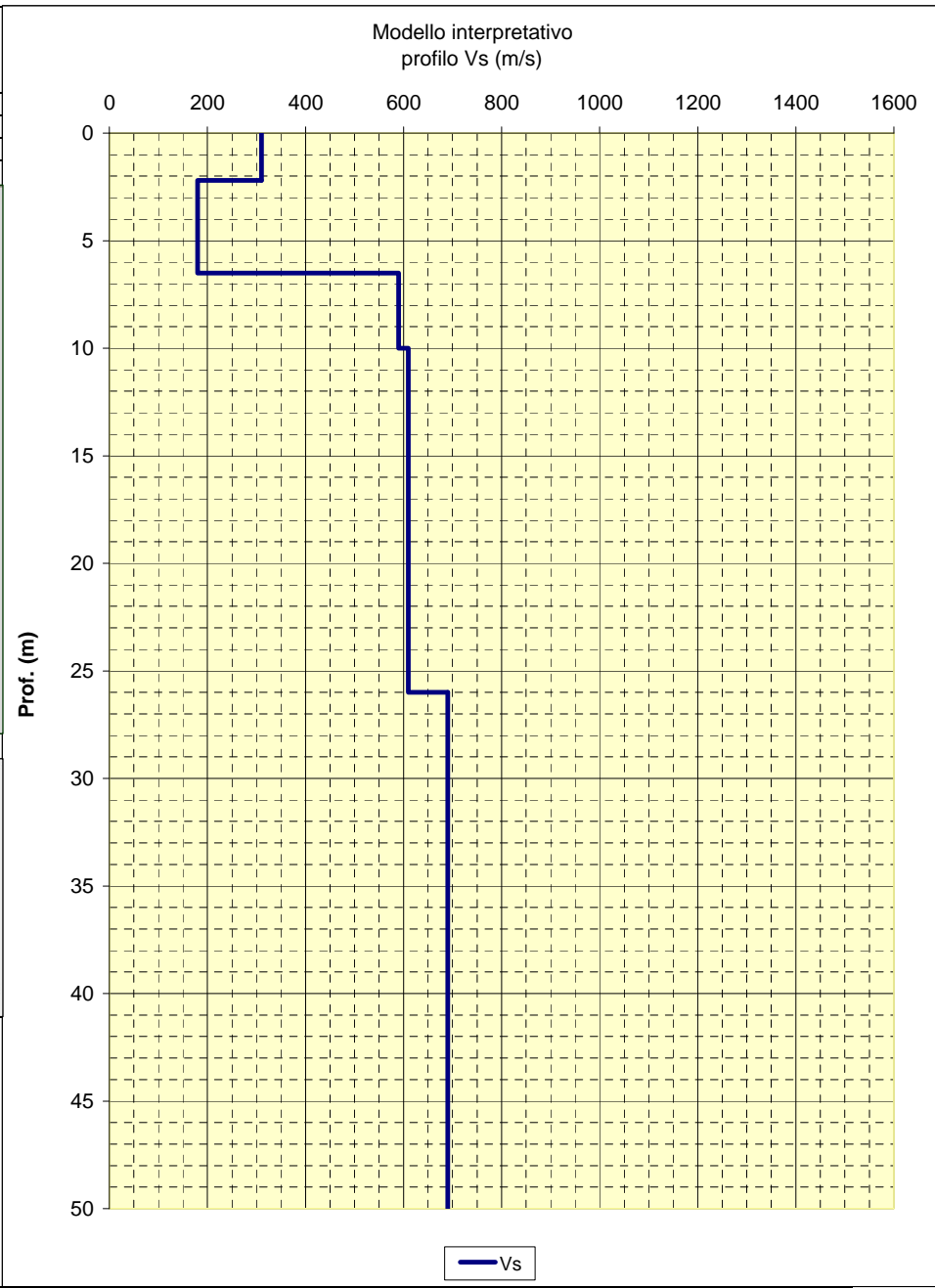
CENTROGEO P.zza S. Quirino, 6 - 42015 Correggio (RE)	INDAGINE MASW/Re.Mi. R57
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LOCALITA': Marzabotto (BO)	COMMITTENTE: Amm. Comunale
DATA: 08-04-2014	CANTIERE: Sasdello
QUOTA: 126 m. s.l.m.	OPERATORI: Mazzetti M. - Arbizzi A.



Note:

Modello interpretativo				
Strato n°	Prof. (m)	Spess. (m)	Vs (m/s)	
1	0	2.2	2.2	310
2	2.2	6.5	4.3	180
3	6.5	10	3.5	590
4	10	26	16	610
5	26	INF	INF	690
6				
7				
8				
9				
10				



INDAGINI GEOFISICHE HVSR

STUDIO GEOLOGICO CENTROGEO

42015 Correggio (RE) - Piazza S. Quirino, 6 - tel 0522/641001 - Fax: 632162

STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H01

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Pioppe di Salvaro

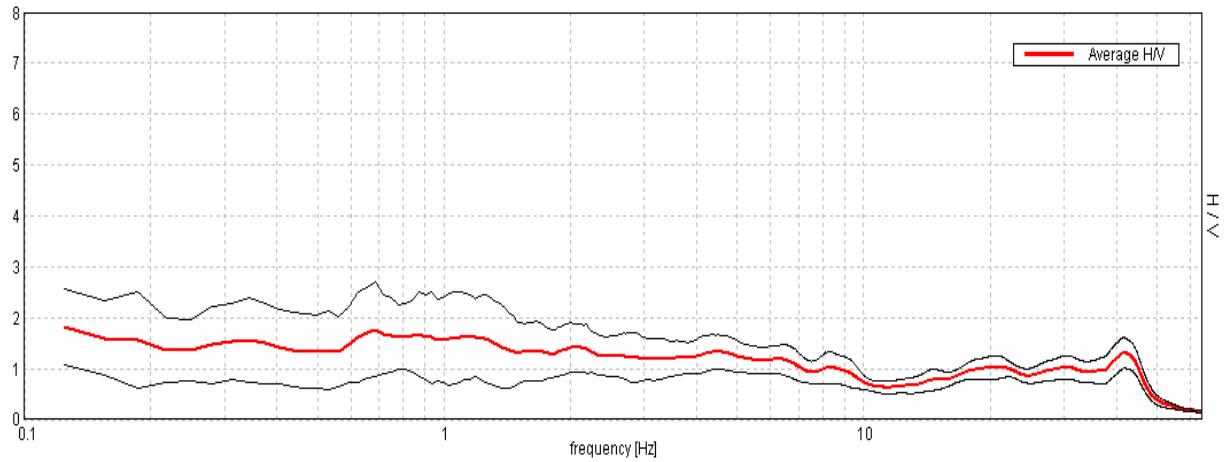
QUOTA: 135 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

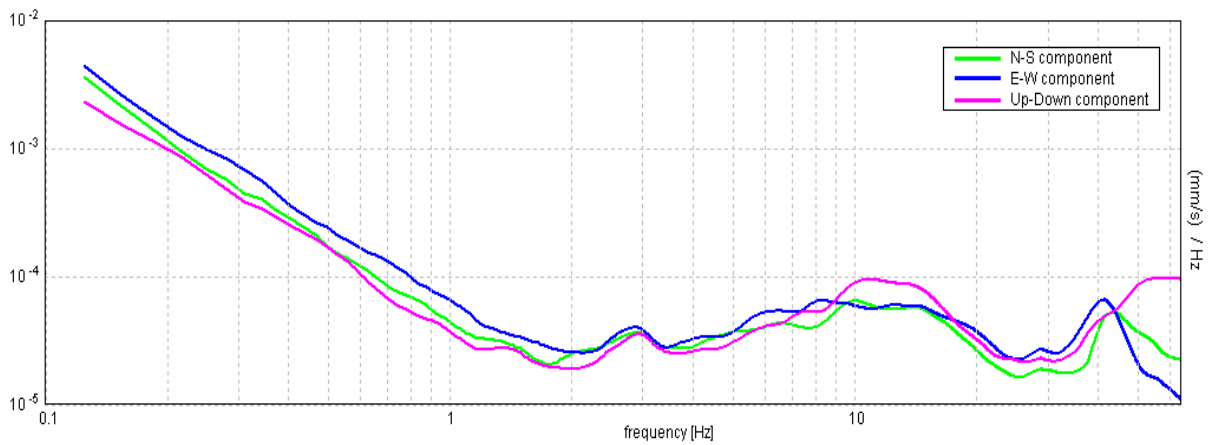
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

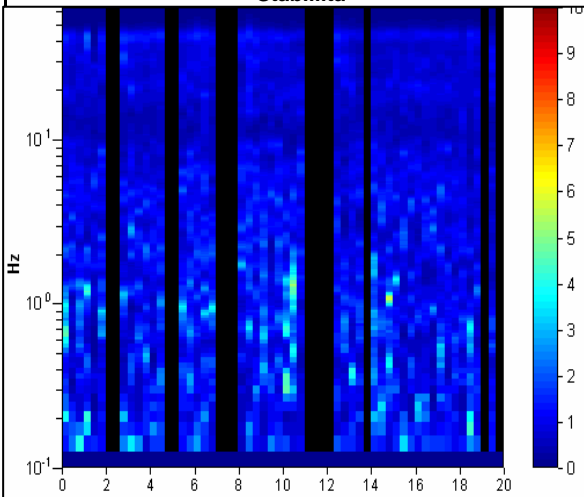
Picco HV a 0.13 ± 0.39 Hz (nell'intervallo 0.0 - 18.0 Hz).



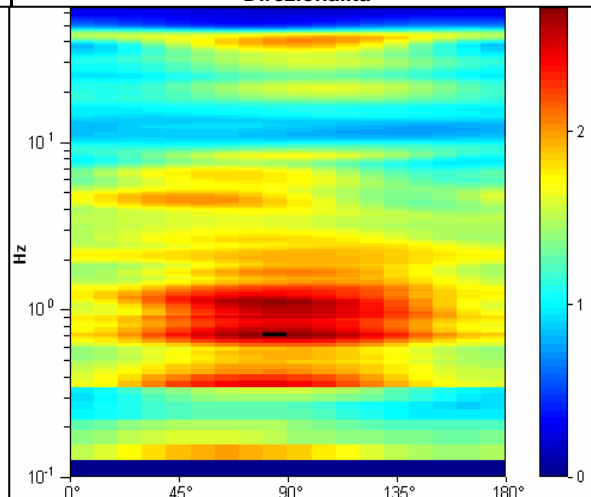
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H02

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Sibano

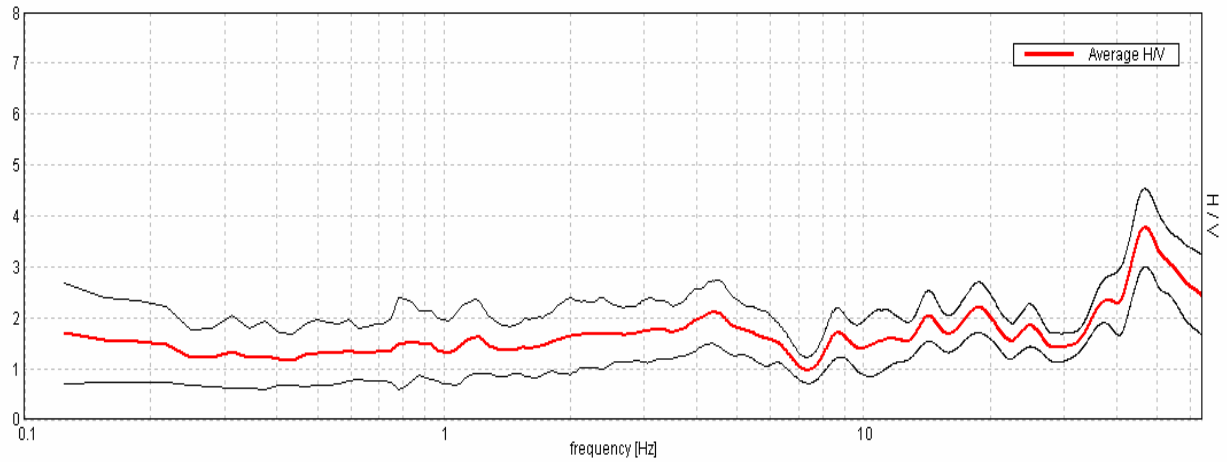
QUOTA: 140 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

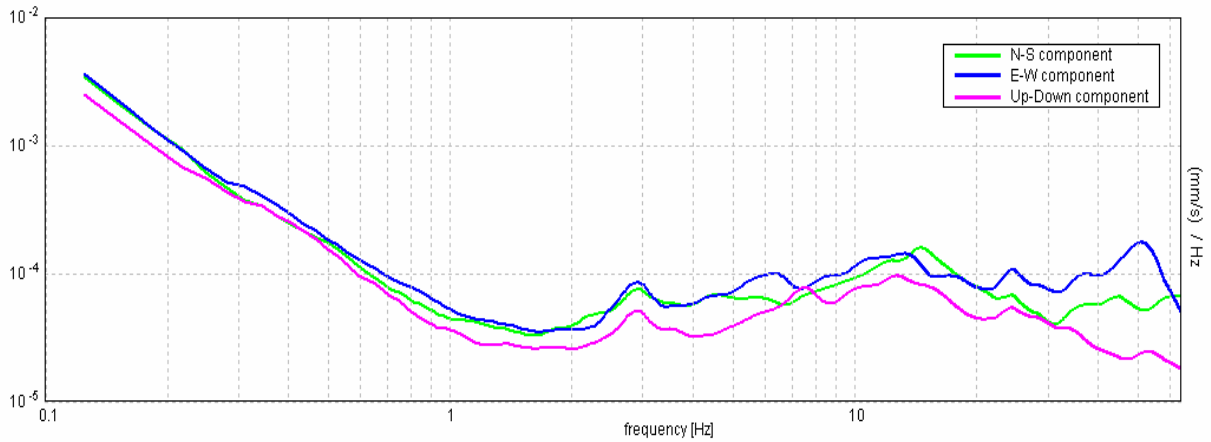
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

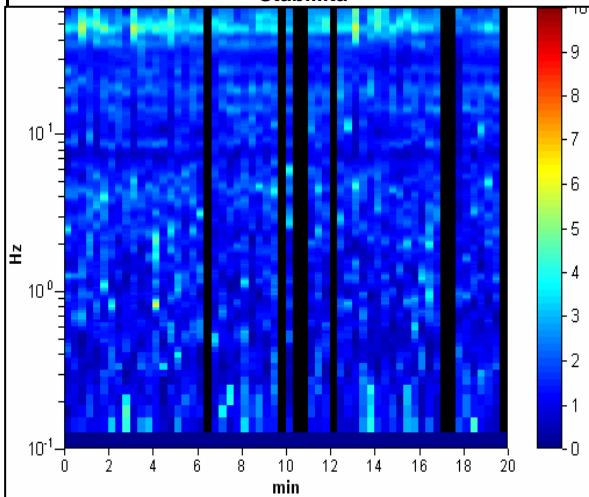
Max. HVV at 4.38 ± 2.02 Hz. (In the range 0.0 - 18.0 Hz).



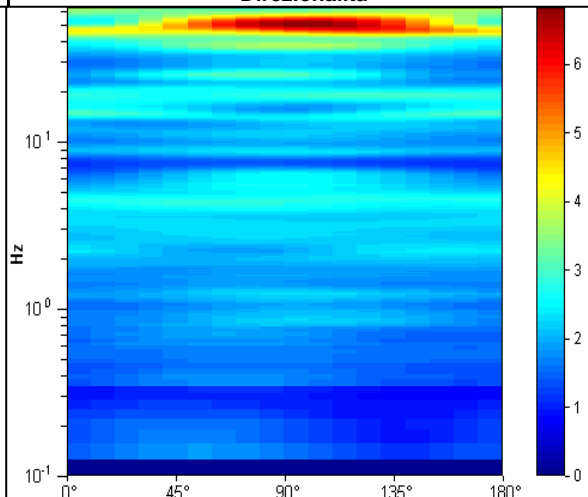
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H03

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Pian di Venola

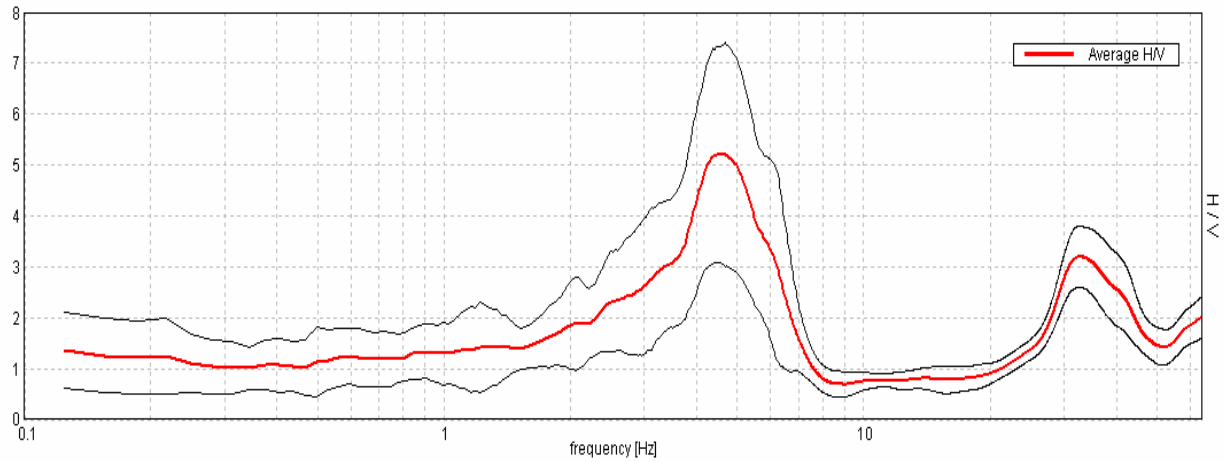
QUOTA: 150 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

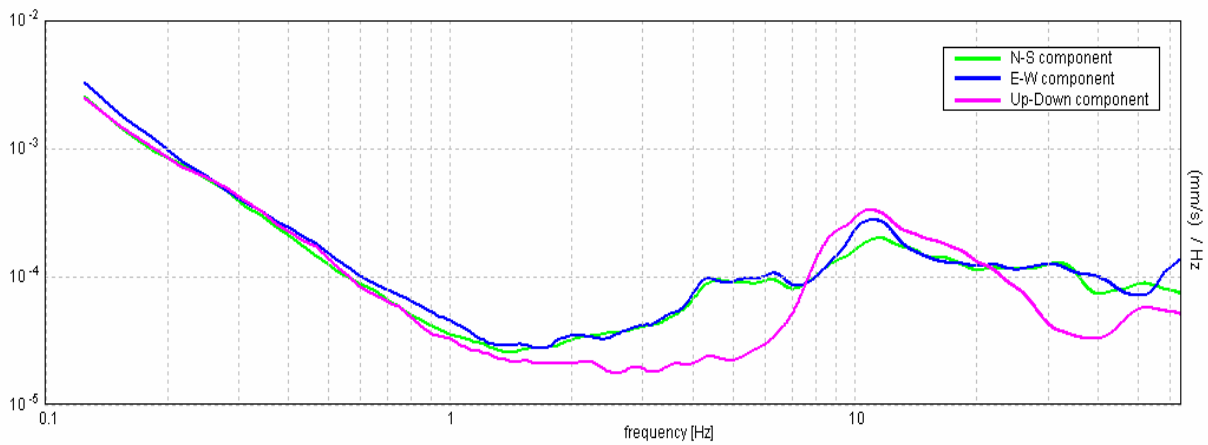
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

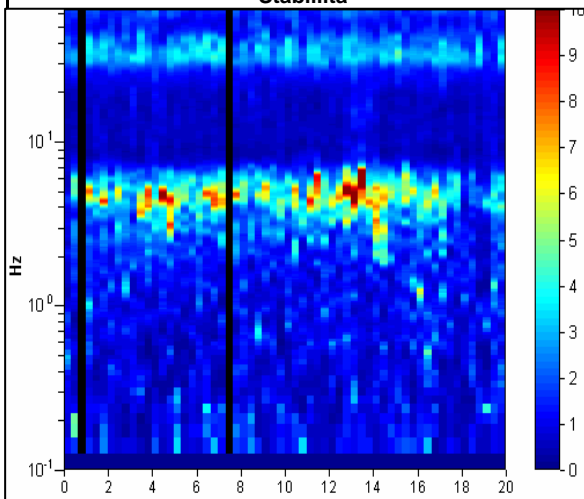
Picco HV a 4.5 ± 0.78 Hz (nell'intervallo 0.0 - 18.0 Hz).



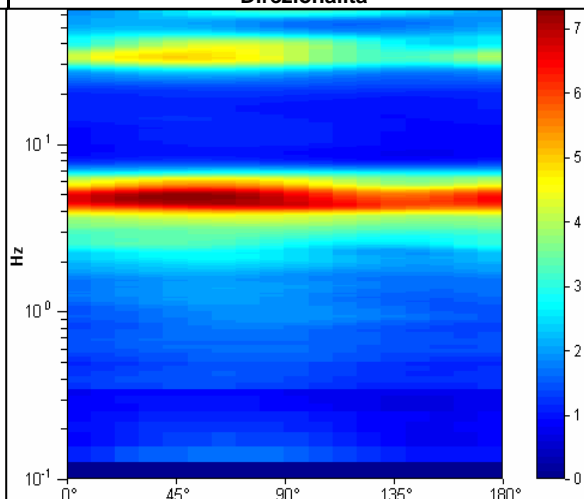
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H04

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Pian di Venola

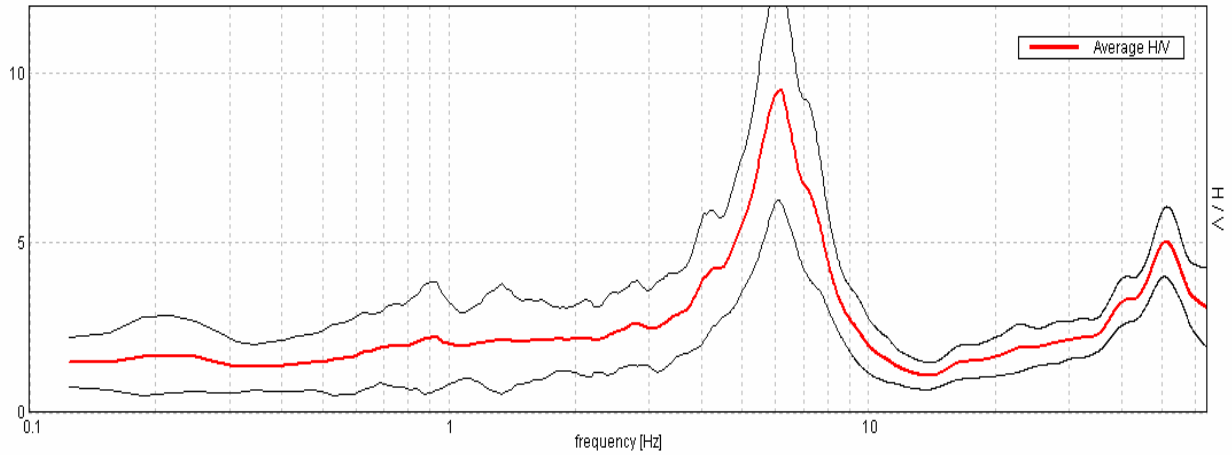
QUOTA: 150 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

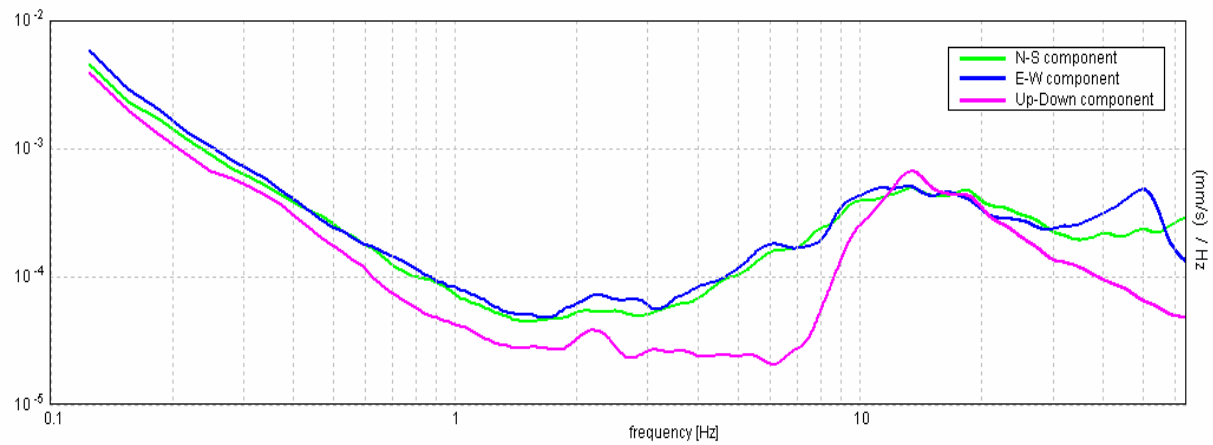
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

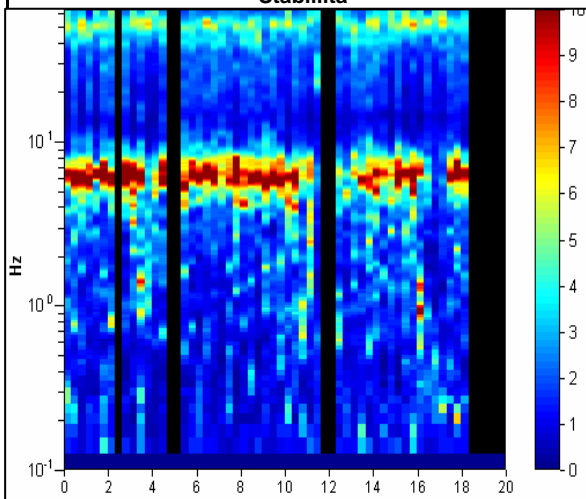
Picco HV a 6.16 ± 0.05 Hz (nell'intervallo 0.0 - 18.0 Hz).



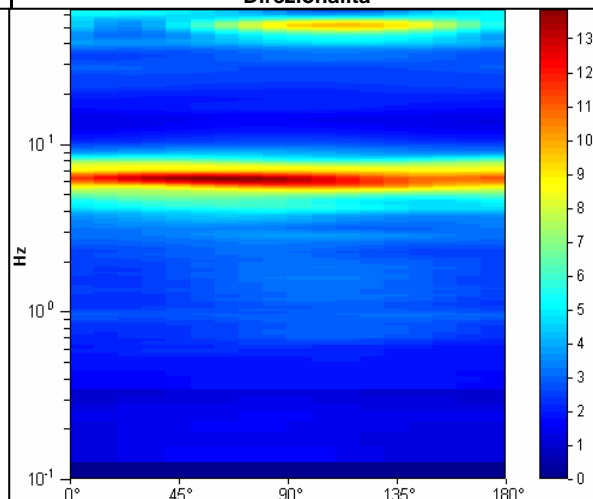
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H05

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Marzabotto

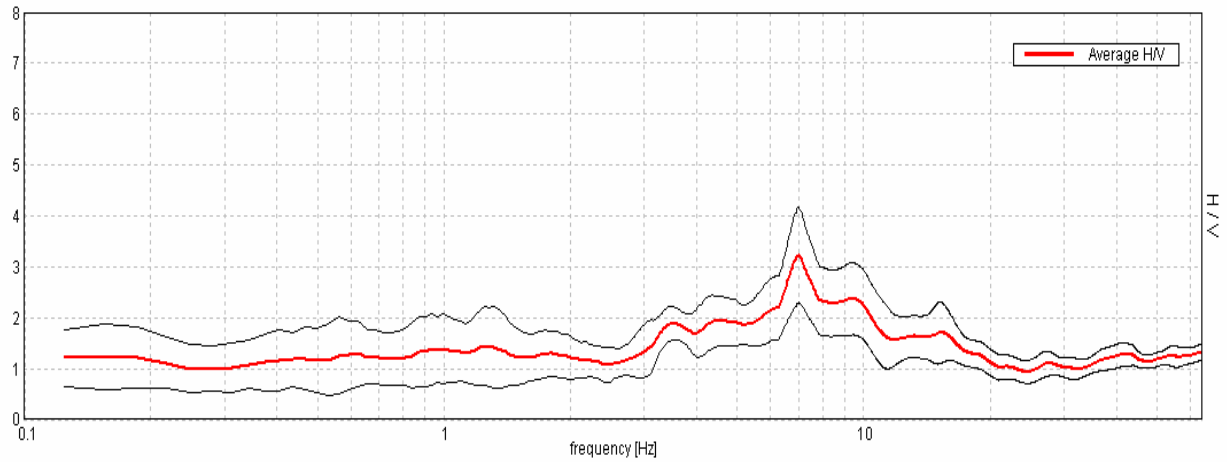
QUOTA: 130 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

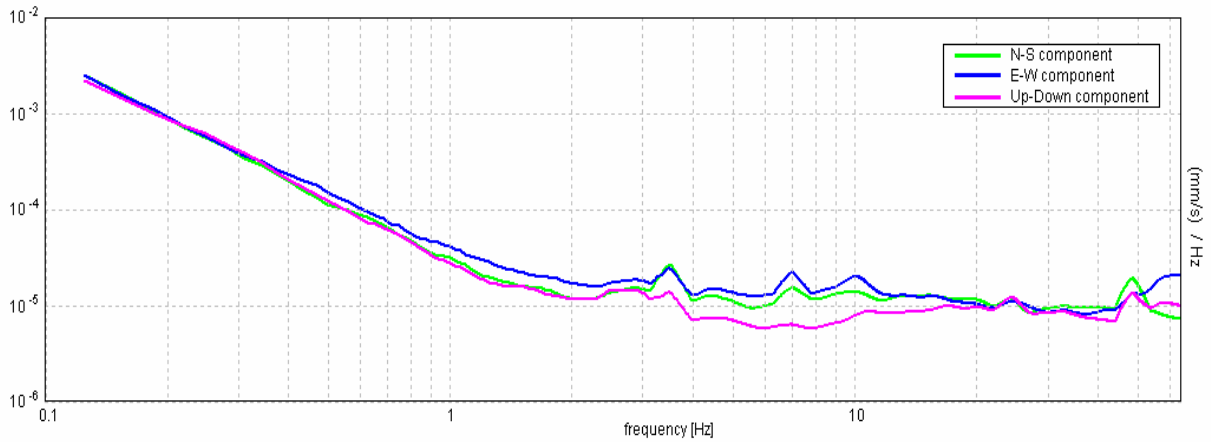
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

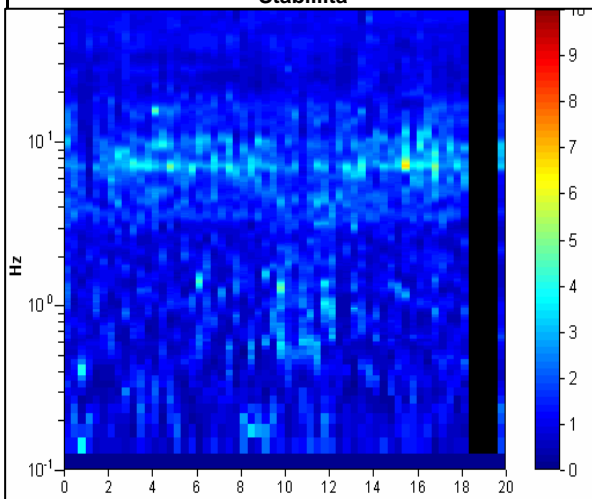
Picco HV a 7.0 ± 0.4 Hz (nell'intervallo 0.0 - 18.0 Hz).



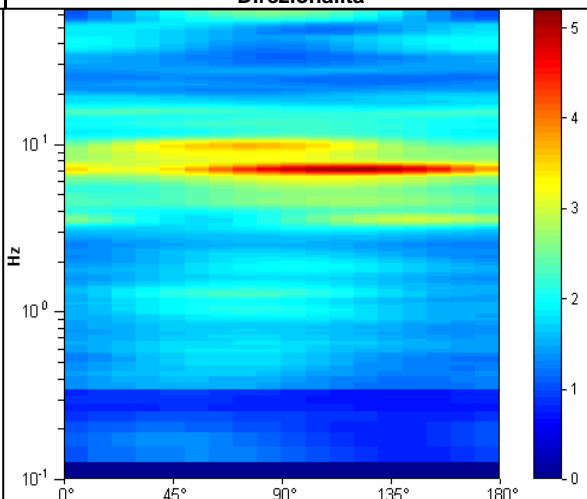
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H06

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Marzabotto

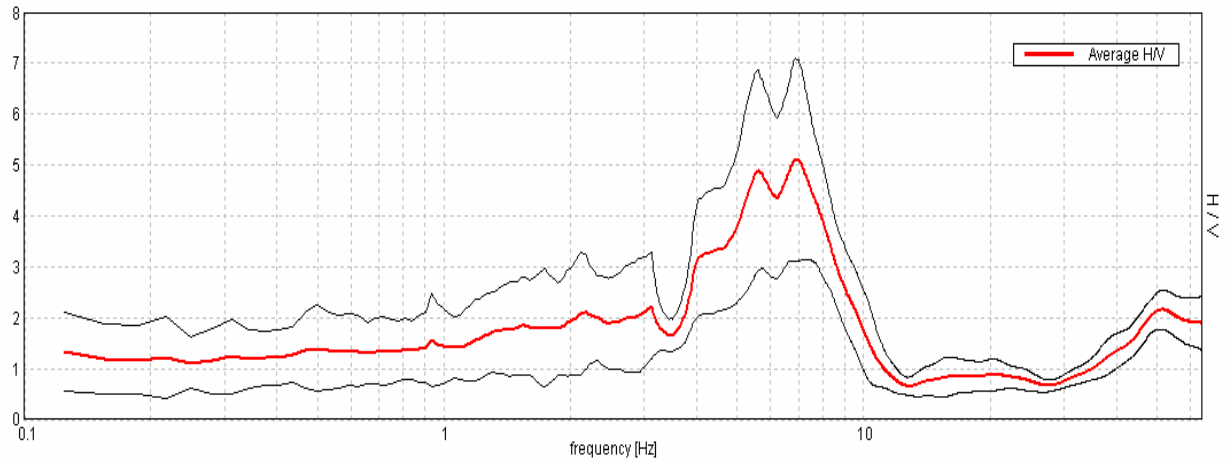
QUOTA: 125 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

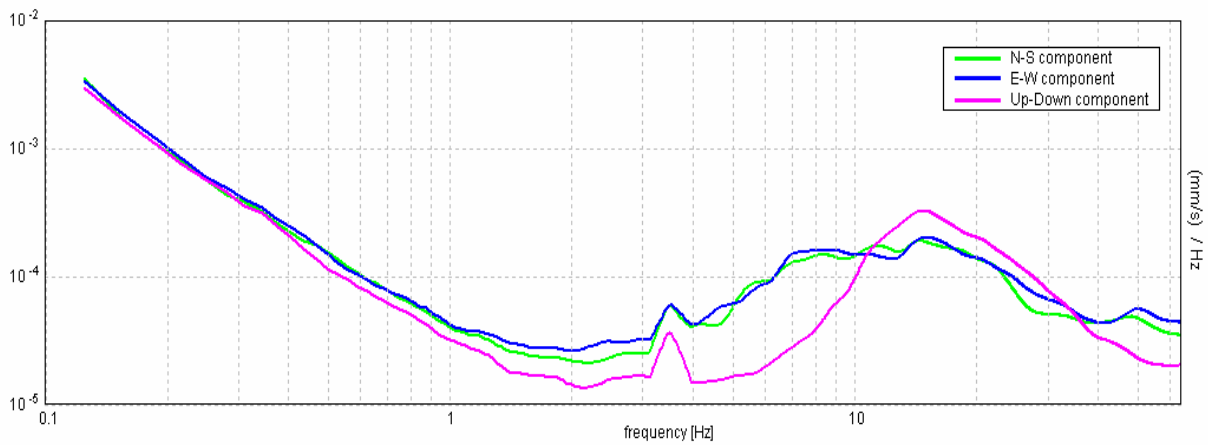
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

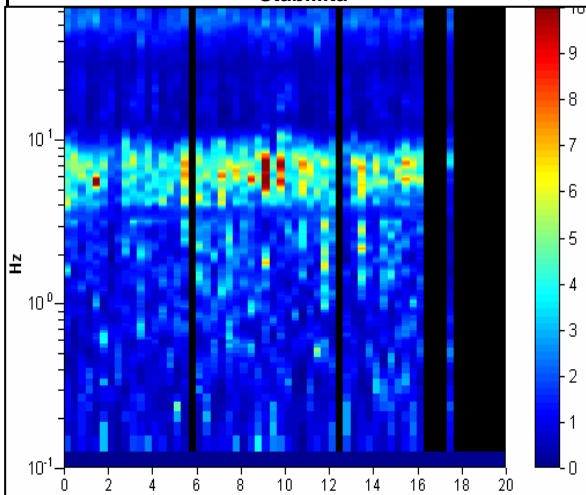
Picco HV a 6.88 ± 0.69 Hz (nell'intervallo 0.0 - 18.0 Hz).



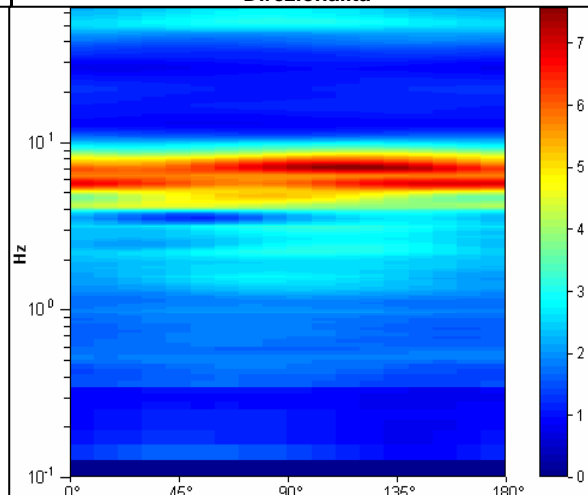
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H07

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Marzabotto

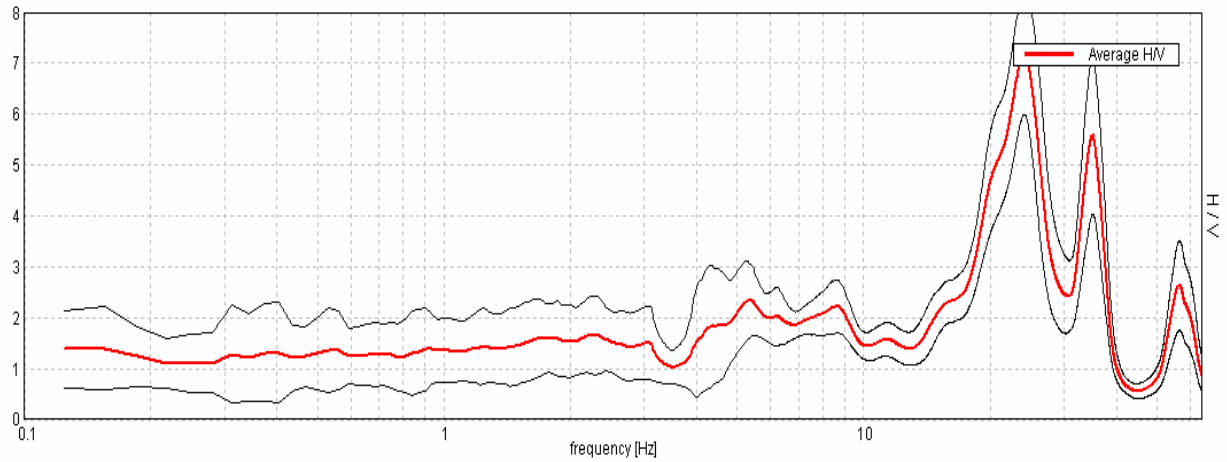
QUOTA: 150 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

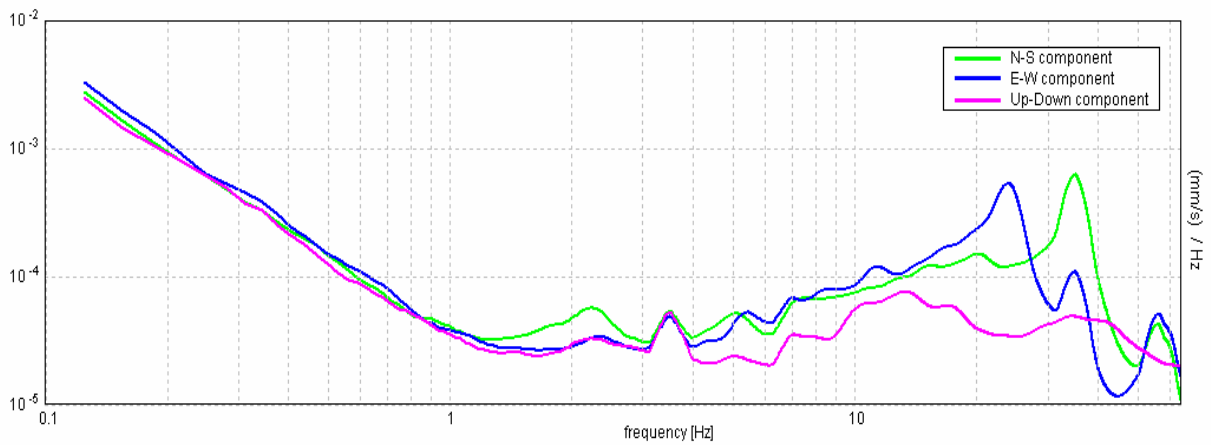
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

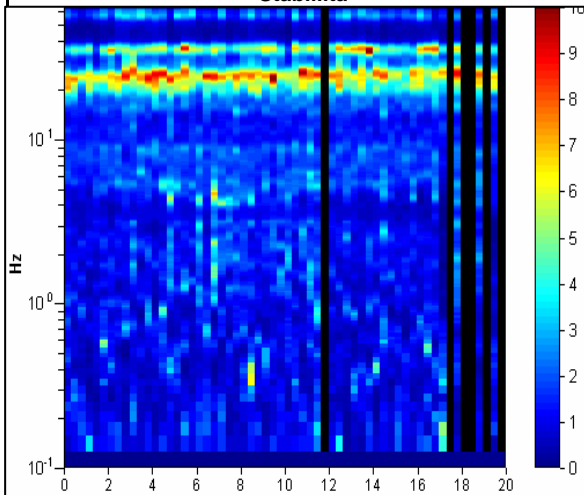
Picco HV a 17.97 ± 0.03 Hz (nell'intervallo 0.0 - 18.0 Hz).



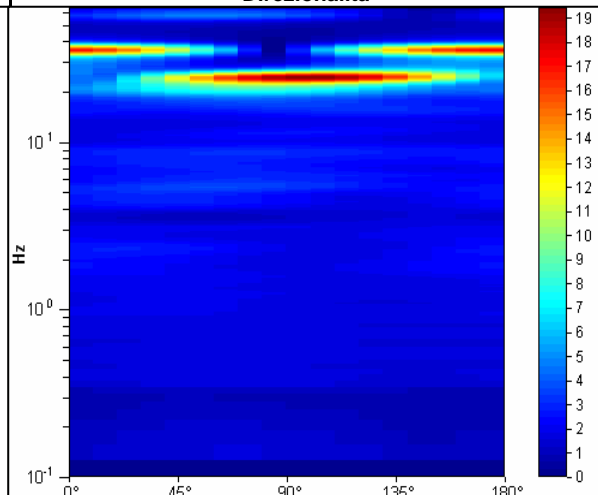
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H08

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-10-2013

CANTIERE: Marzabotto

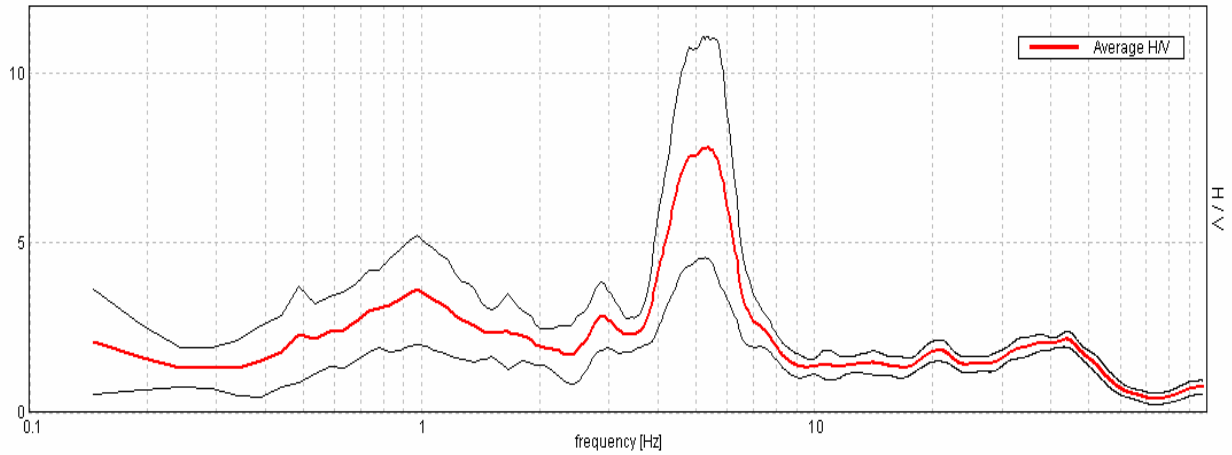
QUOTA: 120 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

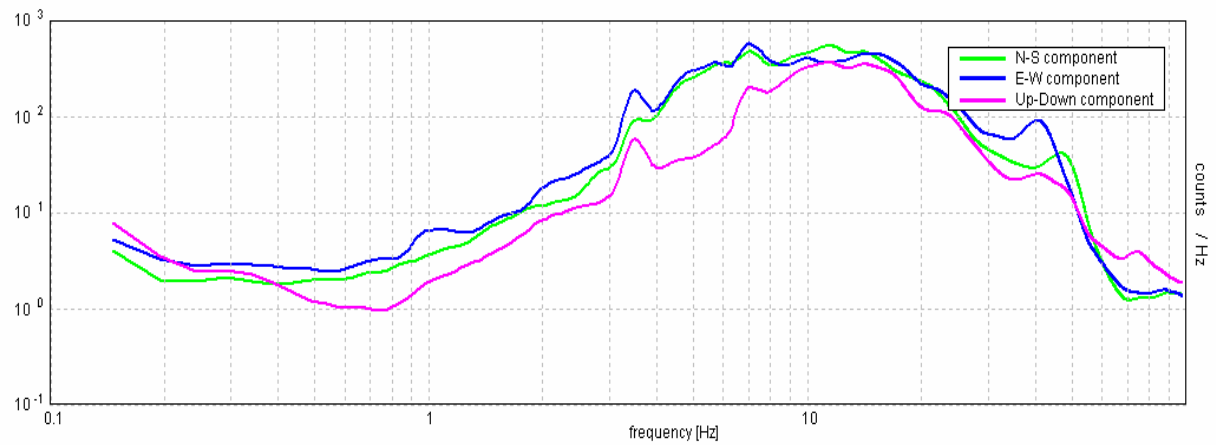
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

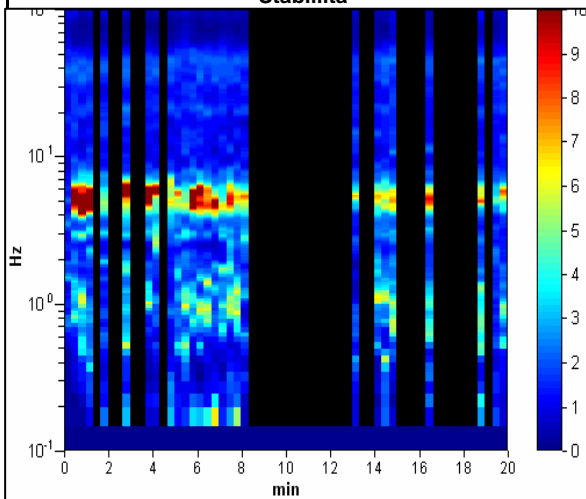
Max. HV at 5.22 ± 0.77 Hz. (In the range 0.0 - 18.0 Hz).



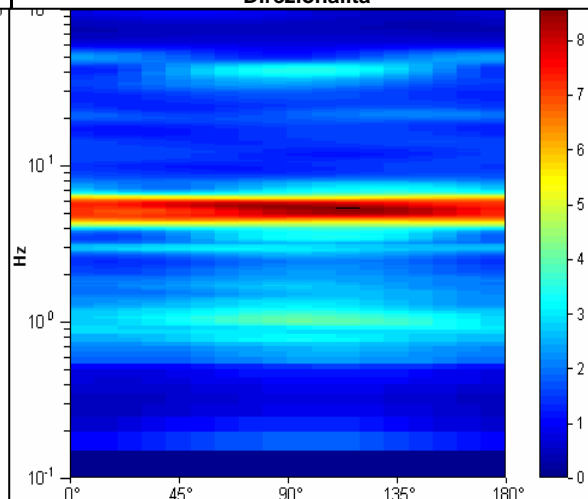
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H09

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-10-2013

CANTIERE: Lama di Reno

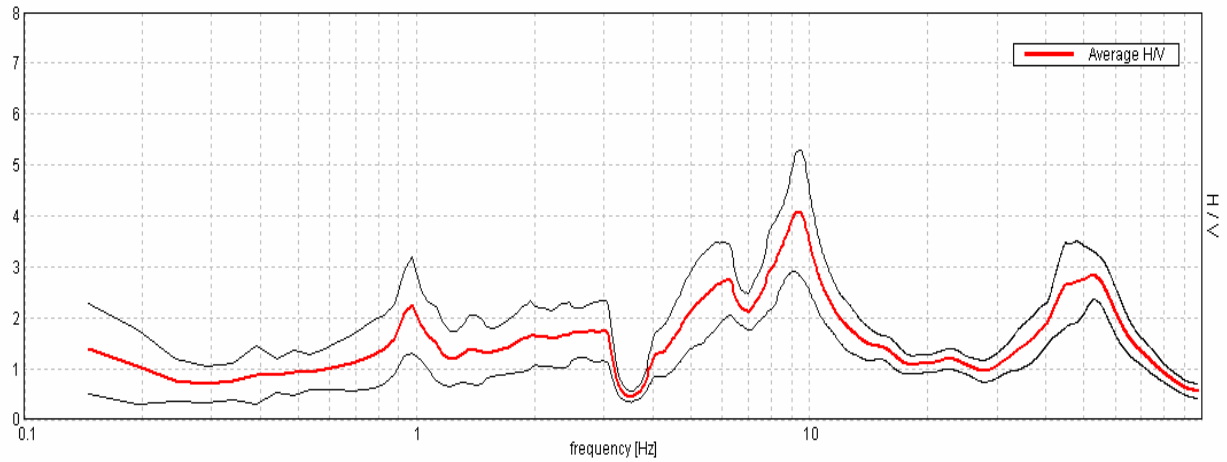
QUOTA: 110 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

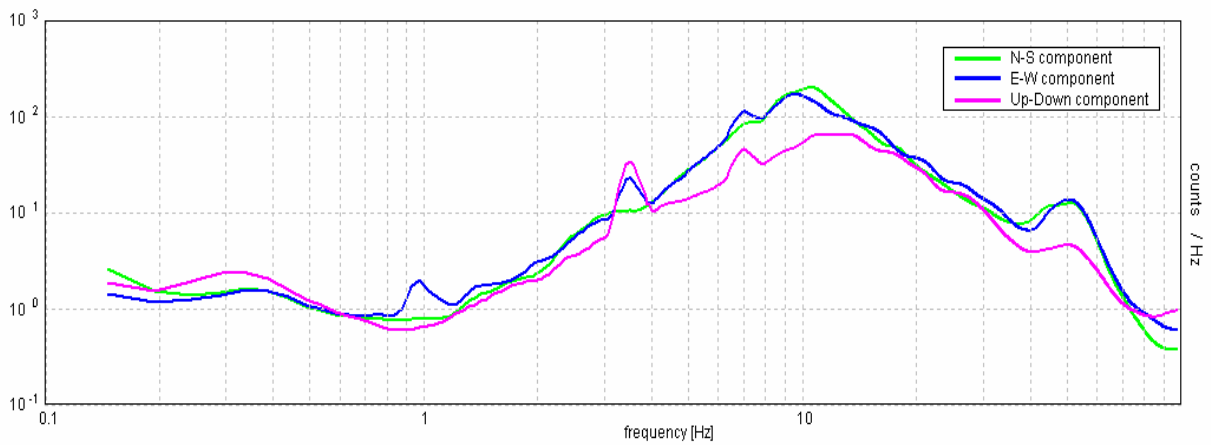
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

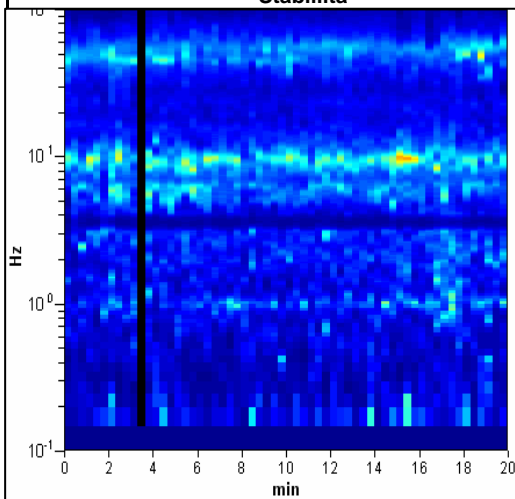
Max. HV at 9.28 ± 0.08 Hz. (In the range 0.0 - 18.0 Hz).



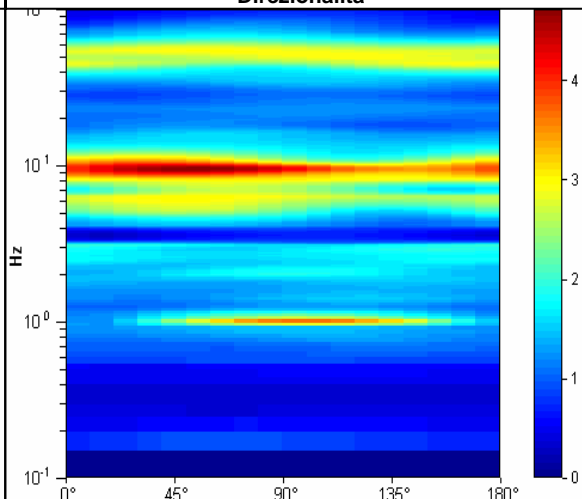
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H10

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-10-2013

CANTIERE: Bendinella

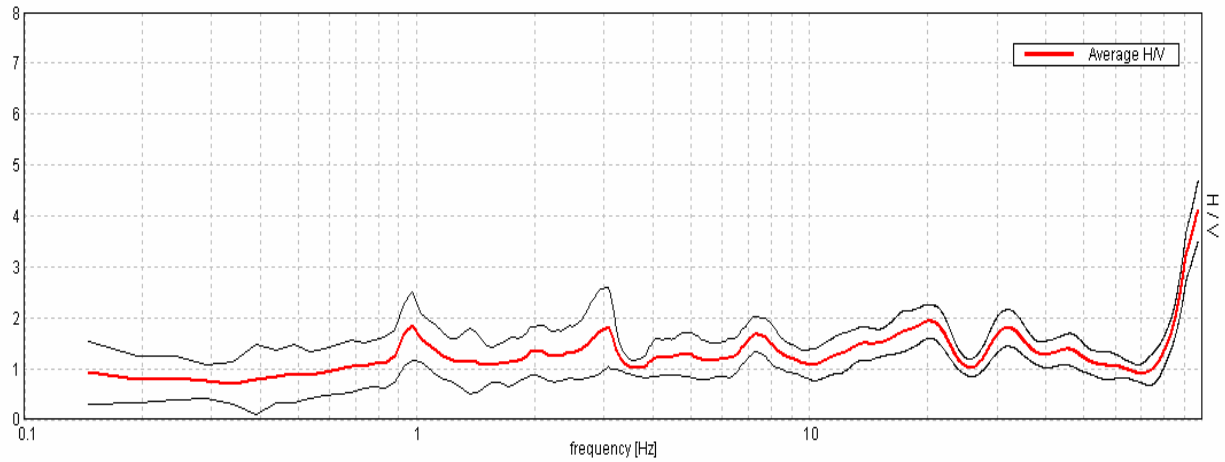
QUOTA: 150 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

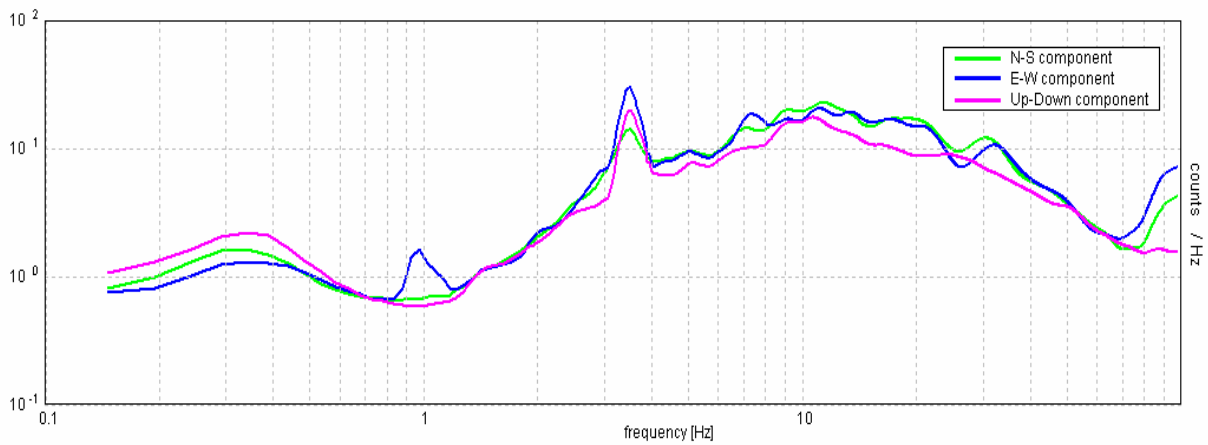
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

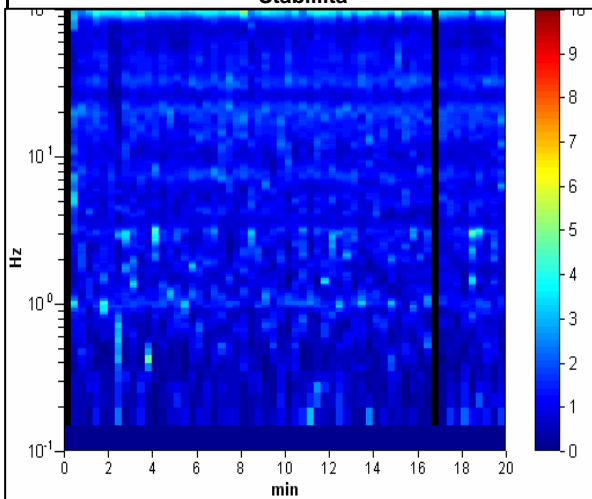
Picco HV a 0.98 ± 2.3 Hz (nell'intervallo 0.0 - 18.0 Hz).



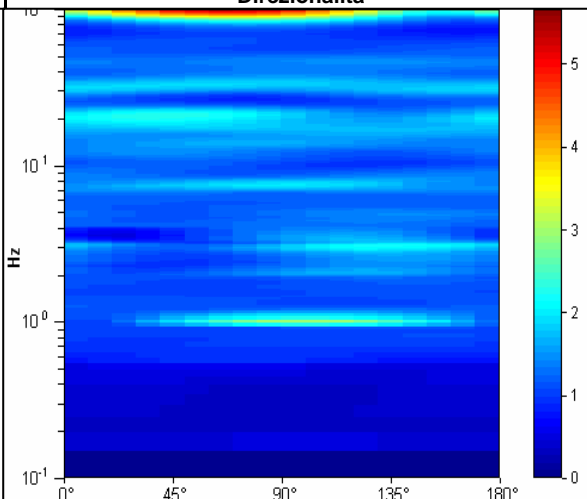
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H11

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-10-2013

CANTIERE: Bendinella

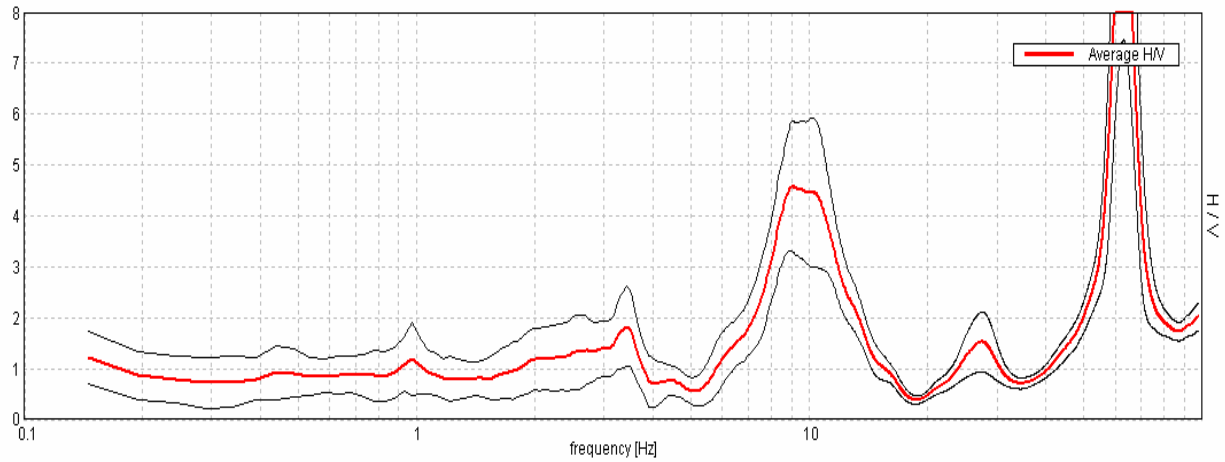
QUOTA: 120 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

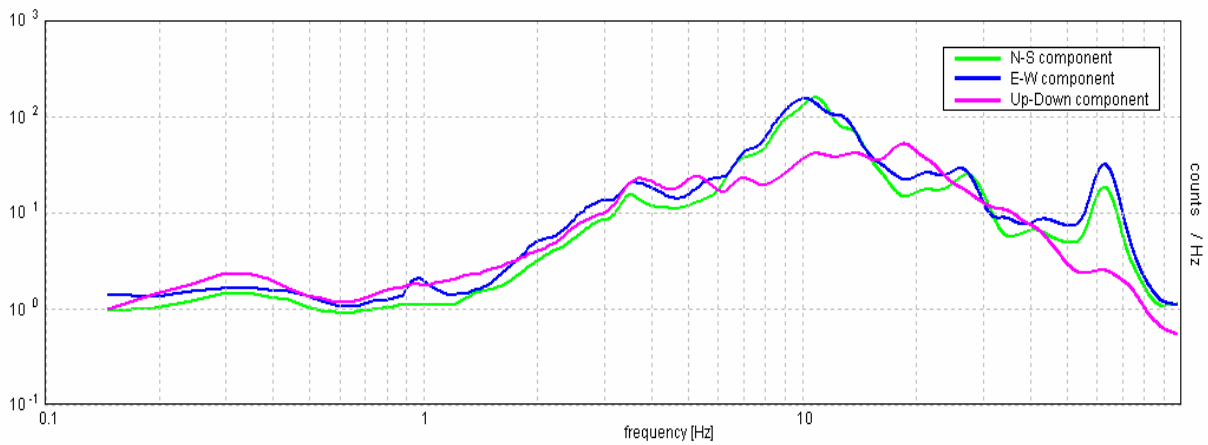
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

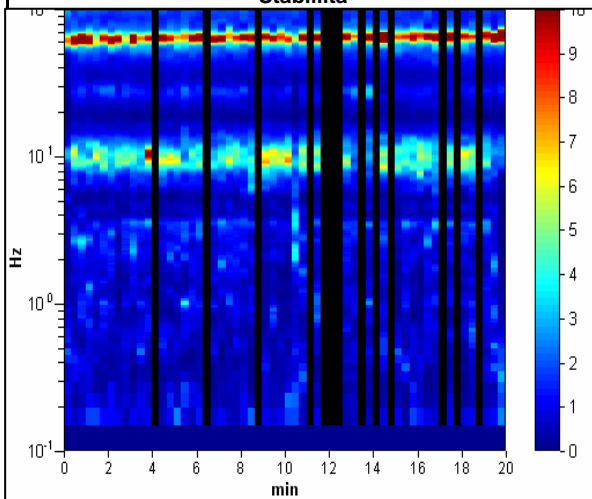
Picco HV a 9.03 ± 0.5 Hz (nell'intervallo 0.0 - 18.0 Hz).



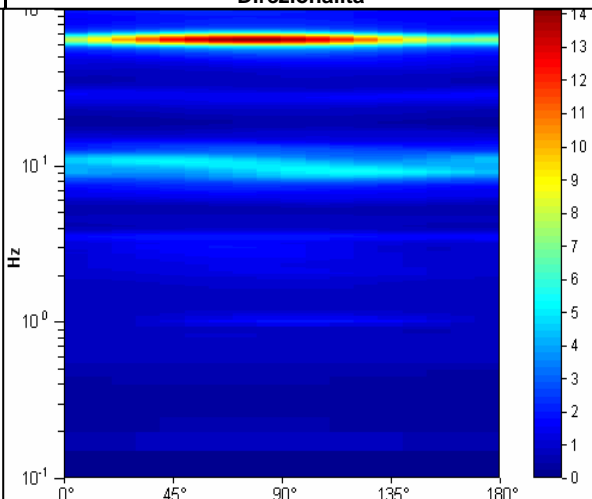
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H12

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-10-2013

CANTIERE: Gardelletta

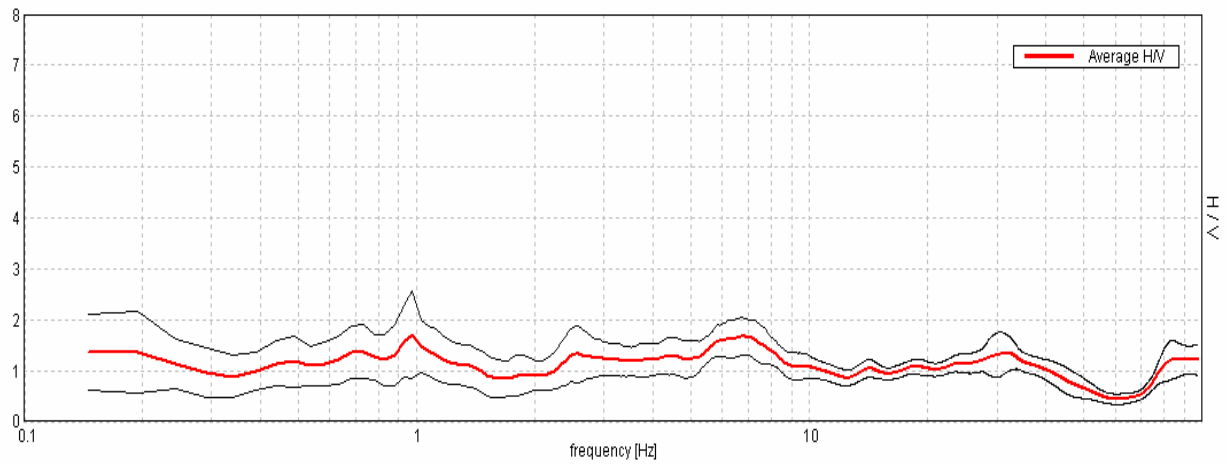
QUOTA: 185 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

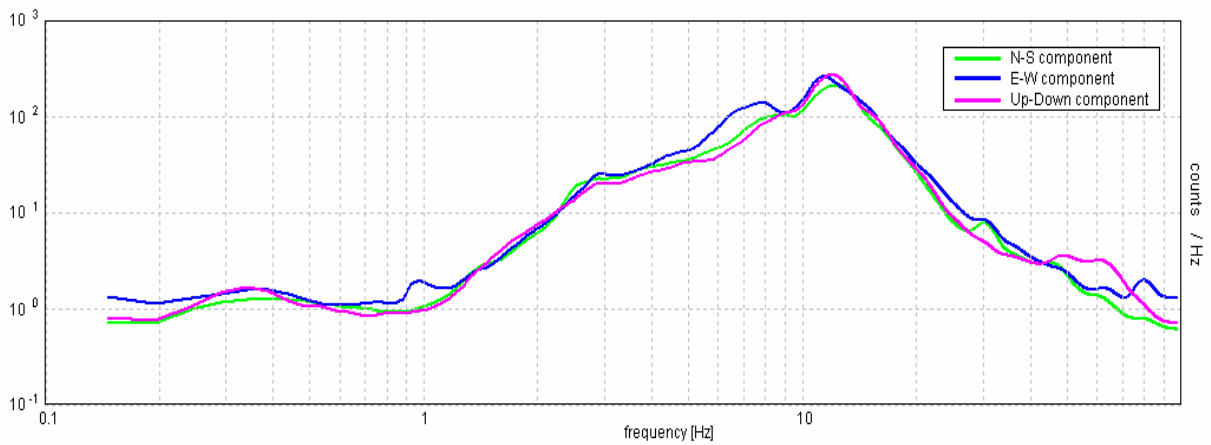
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

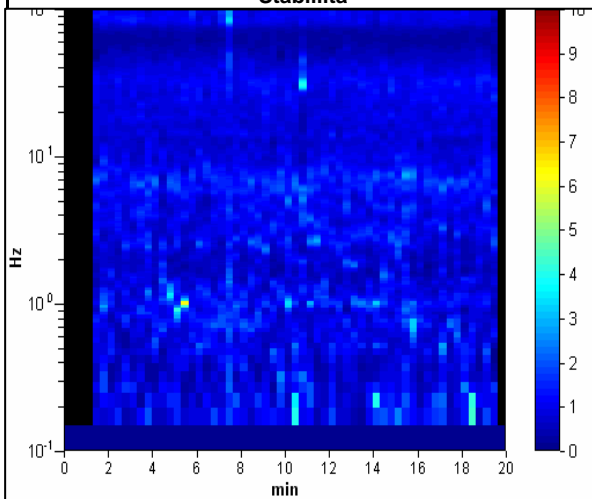
Picco HV a 0.98 ± 2.92 Hz (nell'intervallo 0.0 - 18.0 Hz).



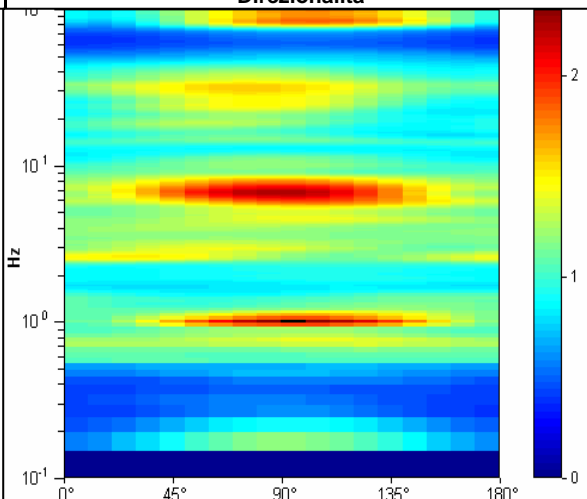
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H13

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-10-2013

CANTIERE: Le Murazze

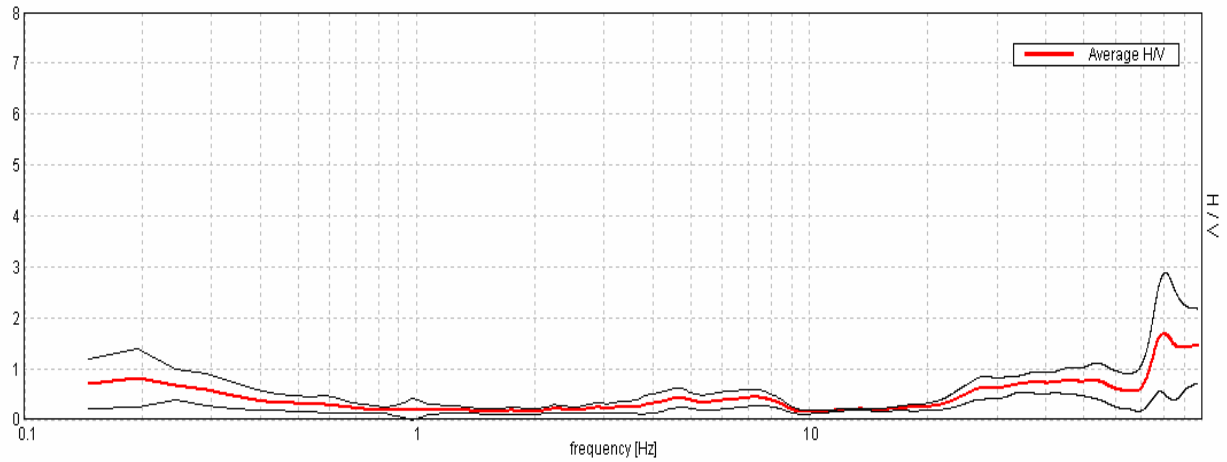
QUOTA: 190 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

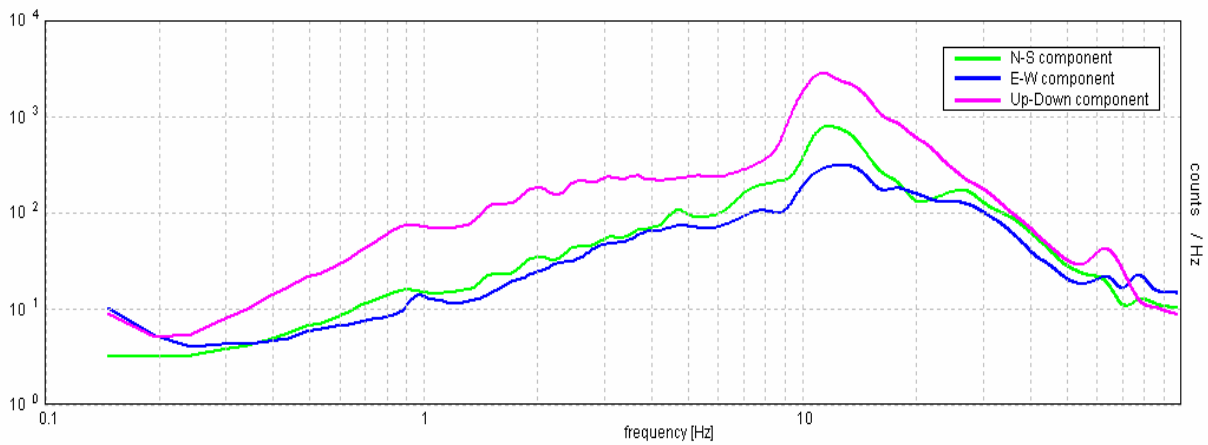
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

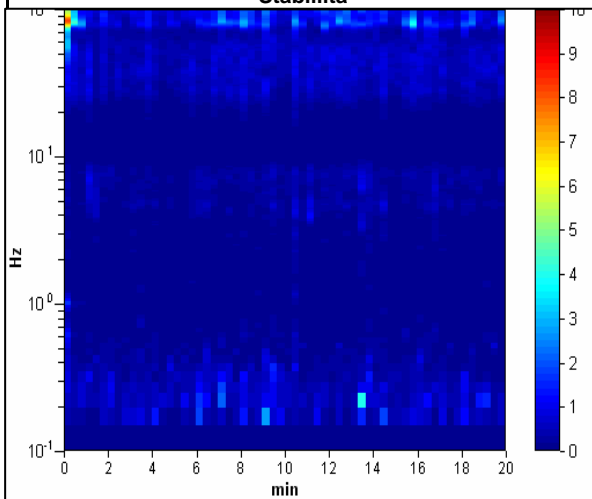
Picco HVV a 0.2 ± 0.18 Hz (nell'intervallo 0.0 - 18.0 Hz).



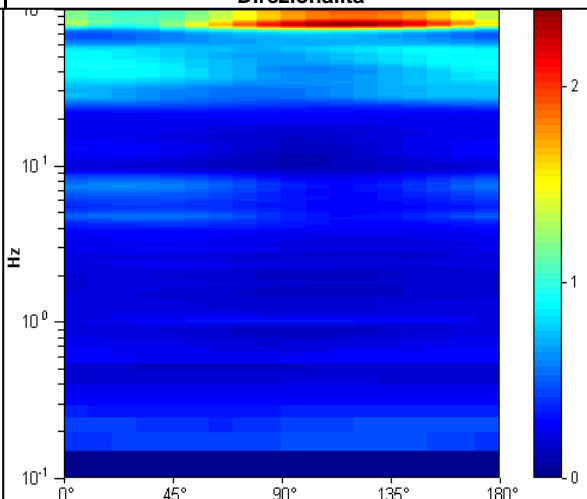
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H14

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-10-2013

CANTIERE: L'America

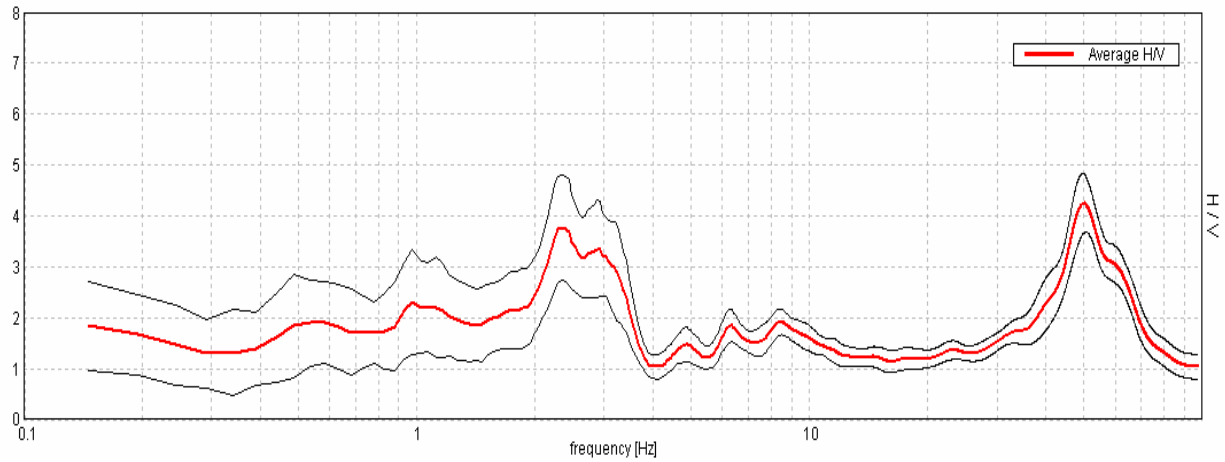
QUOTA: 270 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

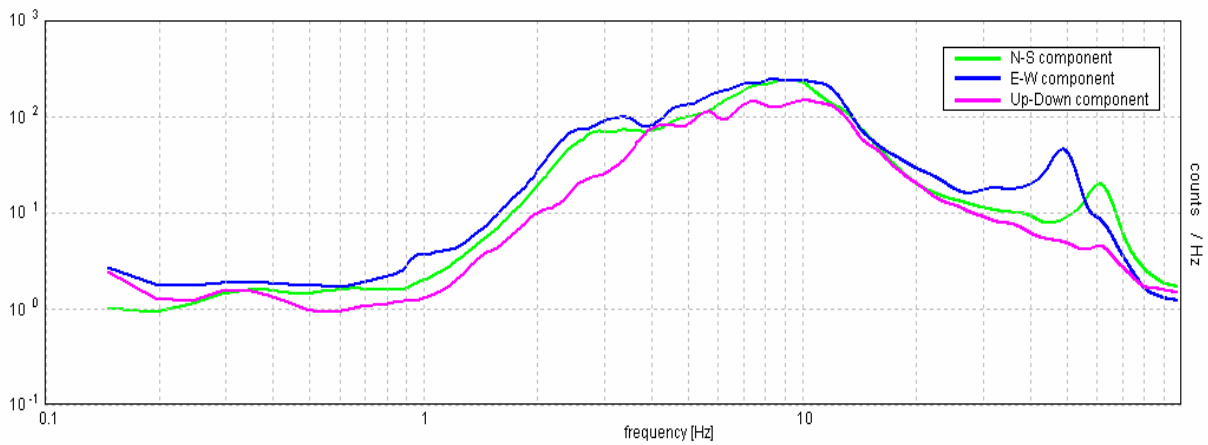
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

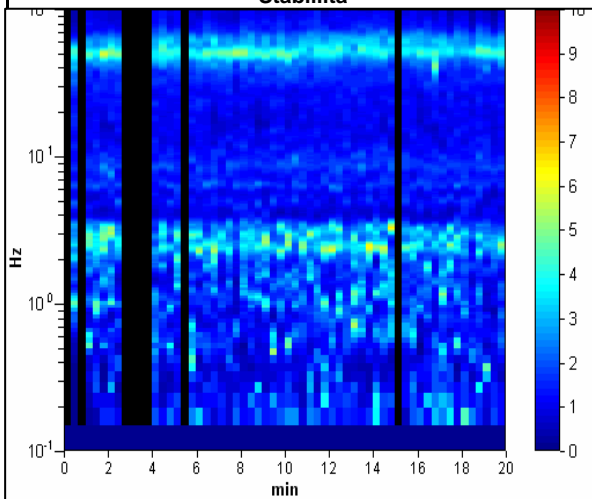
Picco HV a 2.34 ± 0.32 Hz (nell'intervallo 0.0 - 18.0 Hz).



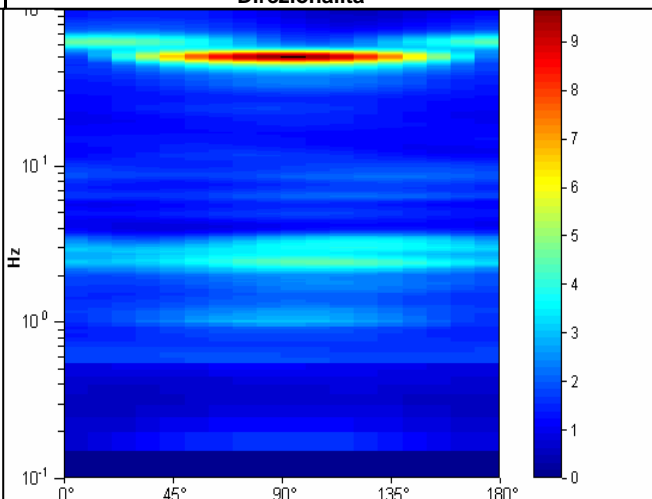
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H15

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-10-2013

CANTIERE: Casetta

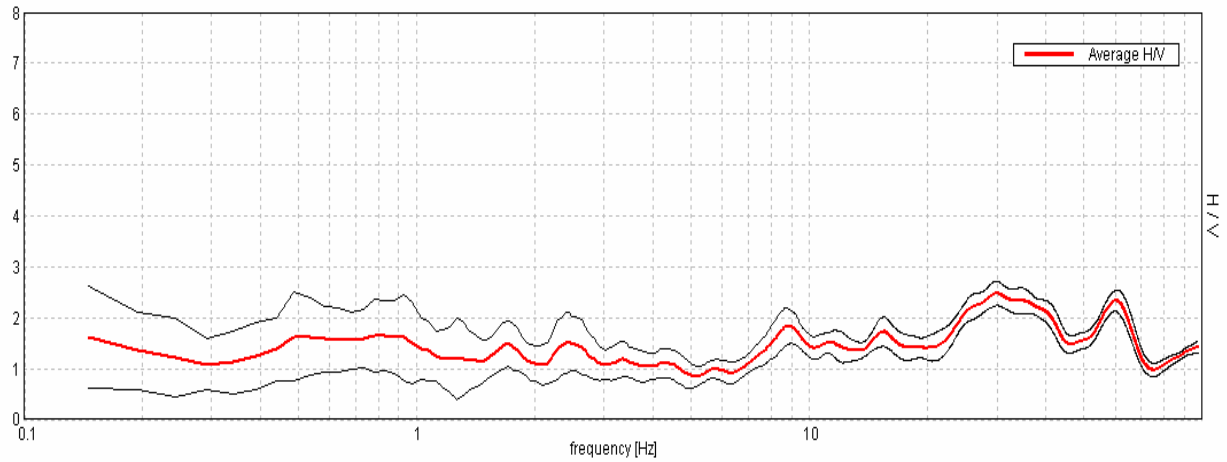
QUOTA: 270 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

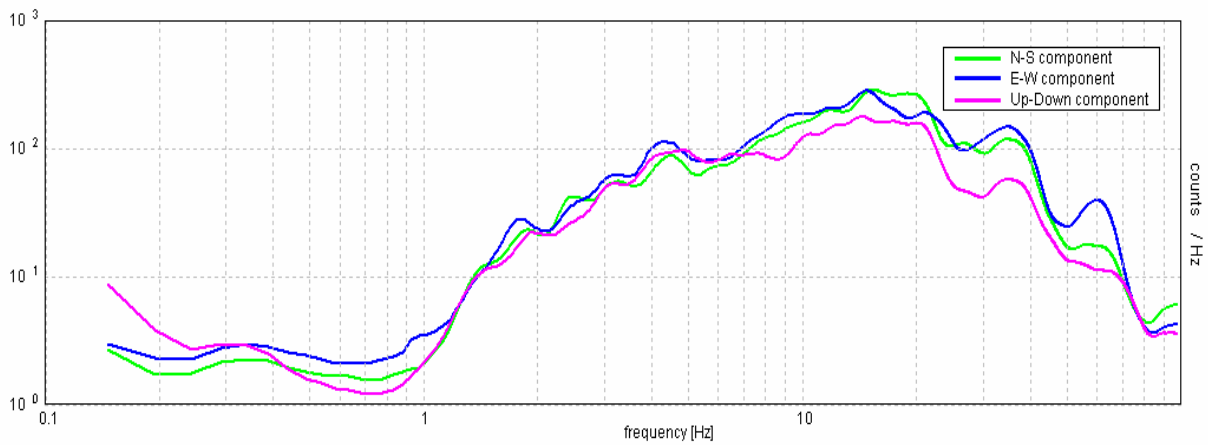
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

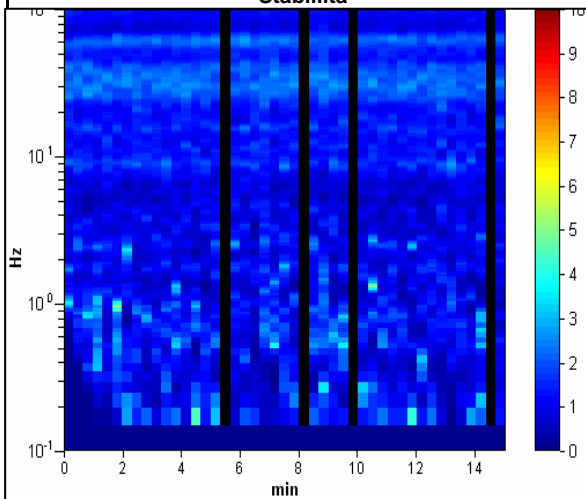
Picco HV a 8.79 ± 5.06 Hz (nell'intervallo 0.0 - 18.0 Hz).



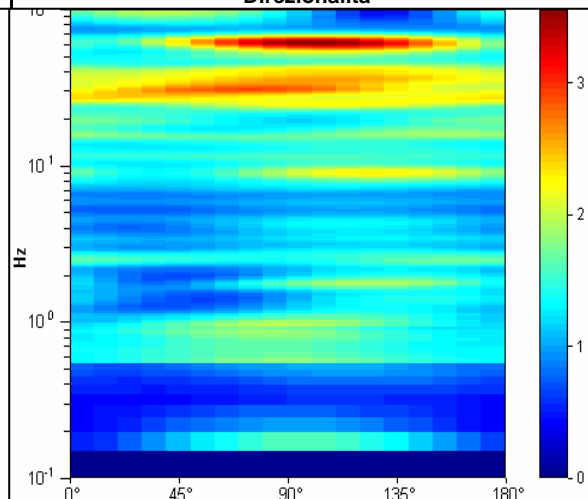
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H16

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 25-10-2013

CANTIERE: Allocco di Sopra

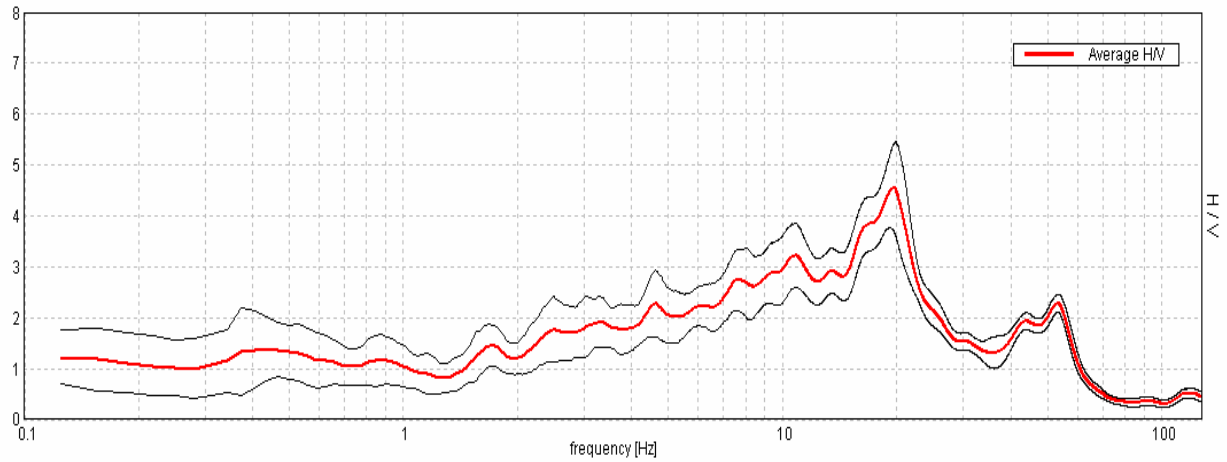
QUOTA: 220 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

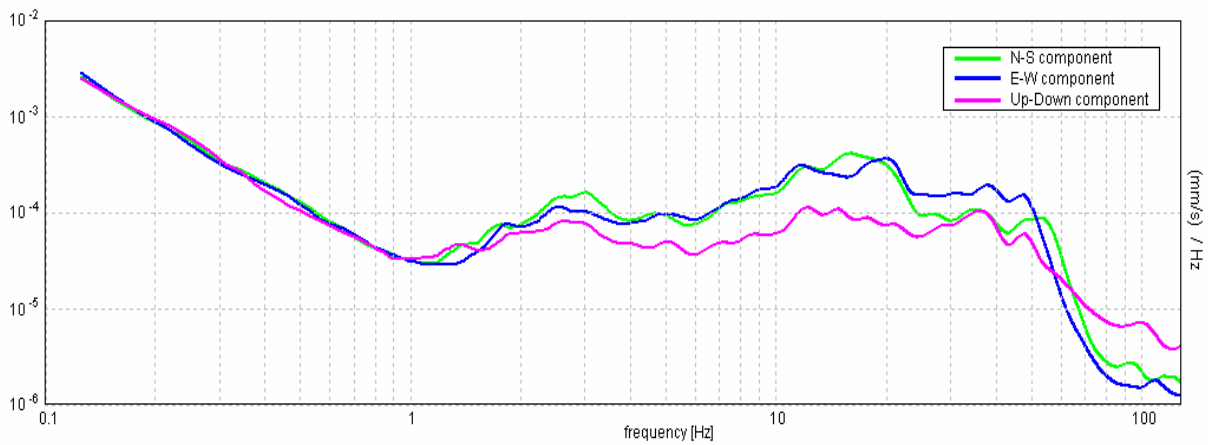
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

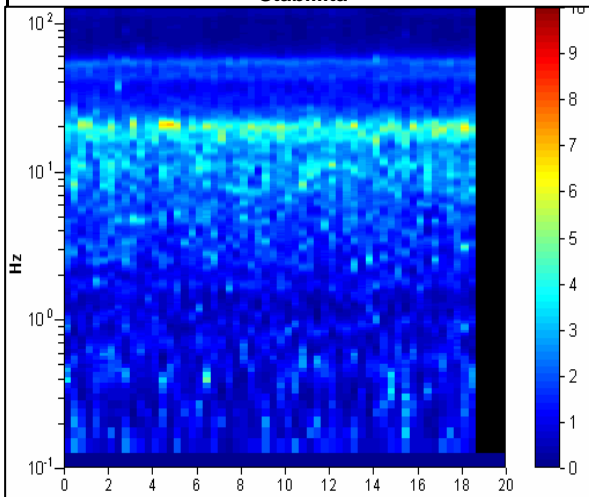
Picco HV a 17.97 ± 2.7 Hz (nell'intervallo 0.0 - 18.0 Hz).



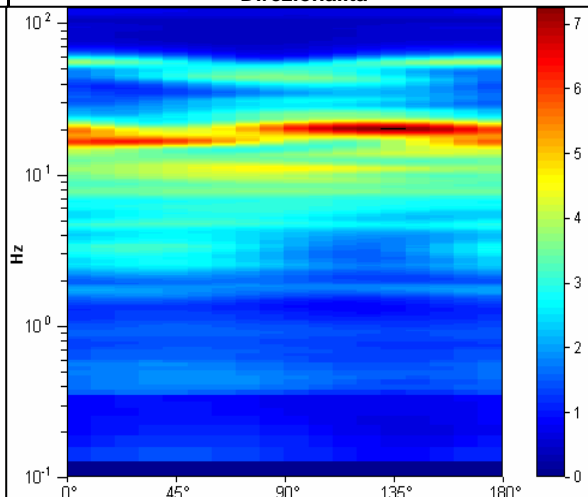
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H17

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 25-10-2013

CANTIERE: Via Carbonara

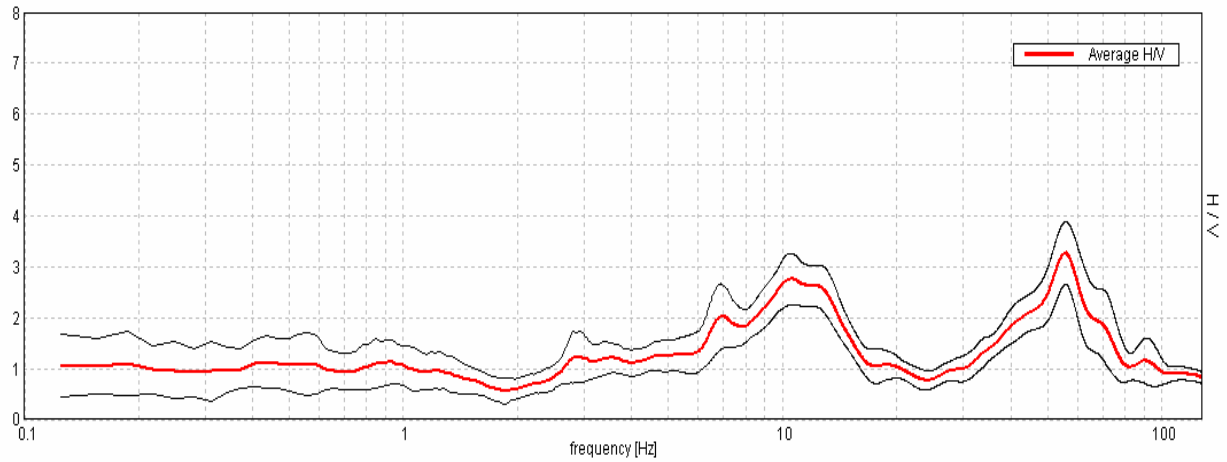
QUOTA: 175 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

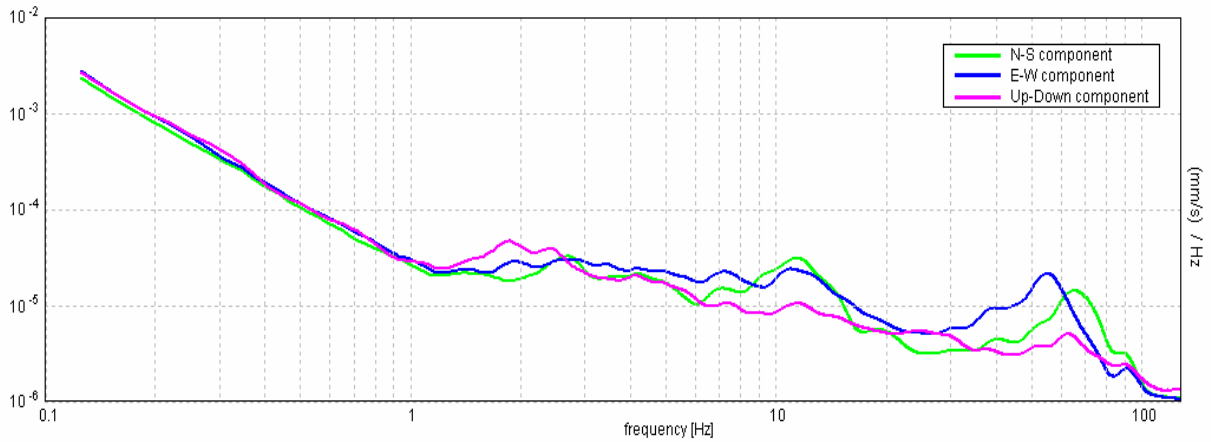
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

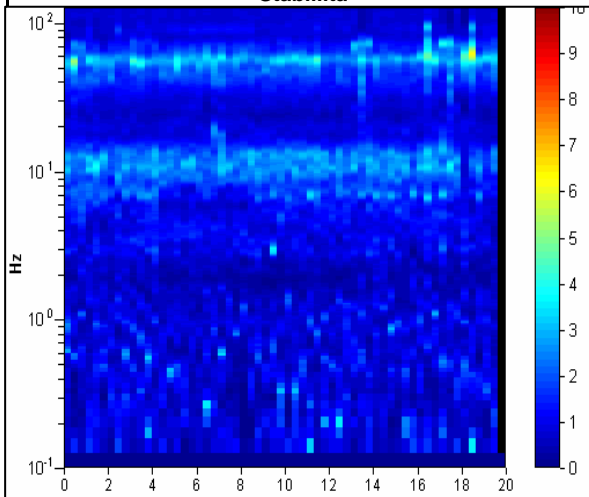
Picco HV a 10.63 ± 0.51 Hz (nell'intervallo 0.0 - 18.0 Hz).



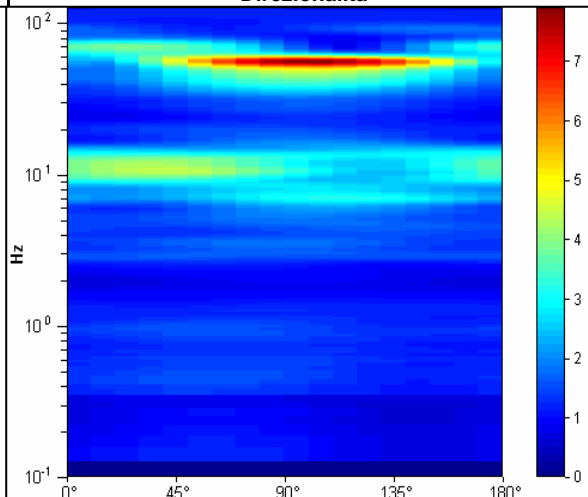
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H18

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 25-10-2013

CANTIERE: Sirano

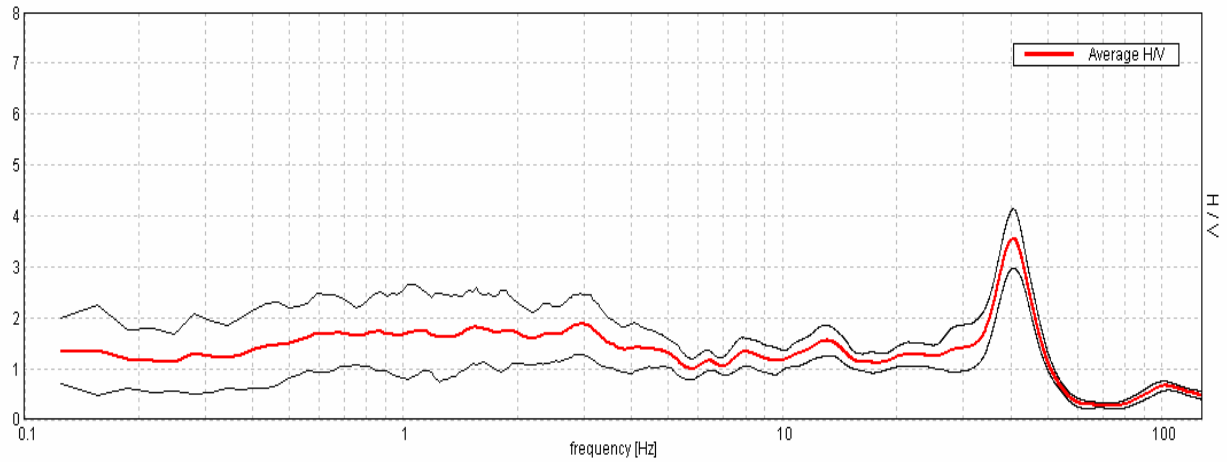
QUOTA: 125 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

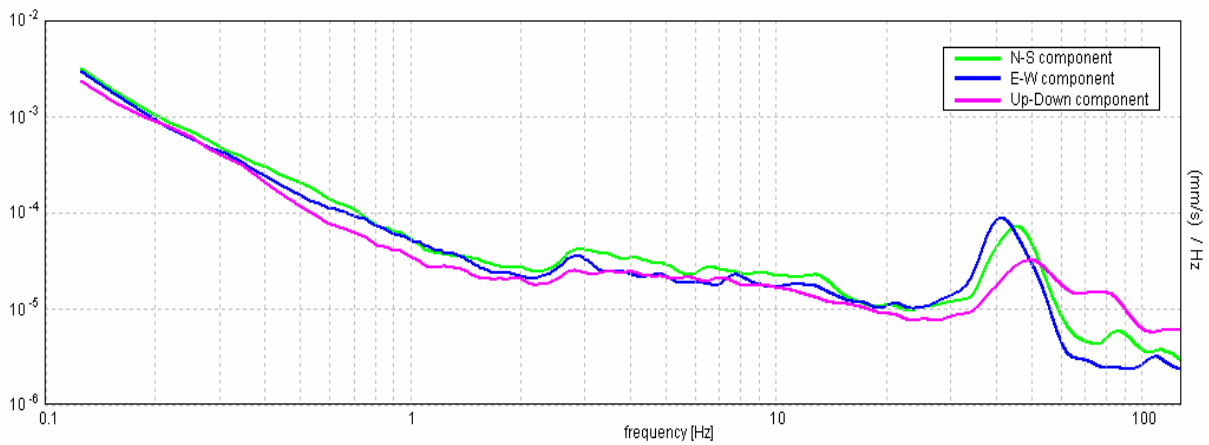
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

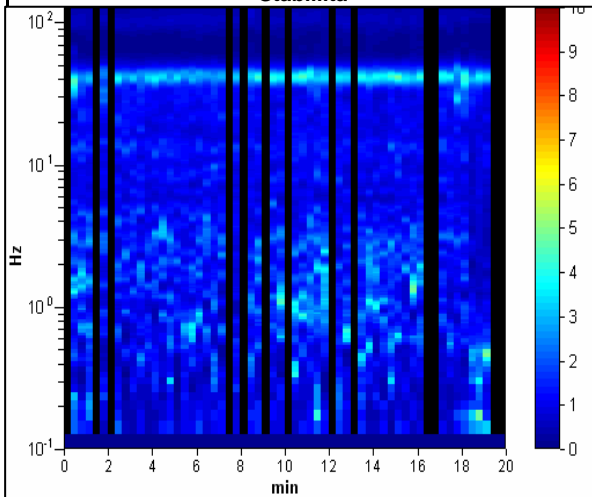
Picco HV a 2.94 ± 0.77 Hz (nell'intervallo 0.0 - 18.0 Hz).



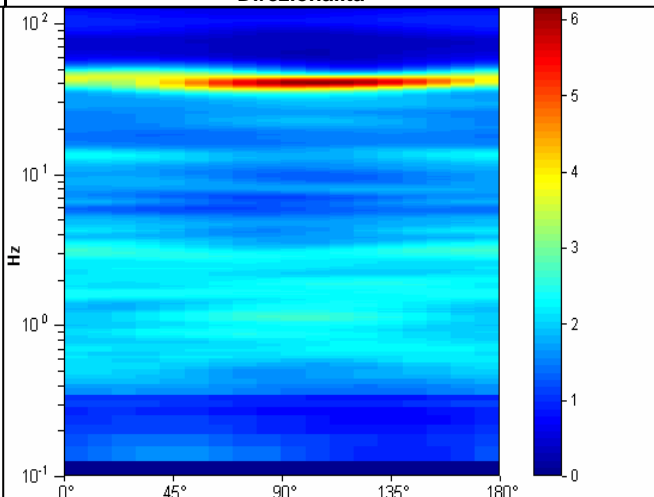
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H19

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 25-10-2013

CANTIERE: Sirano

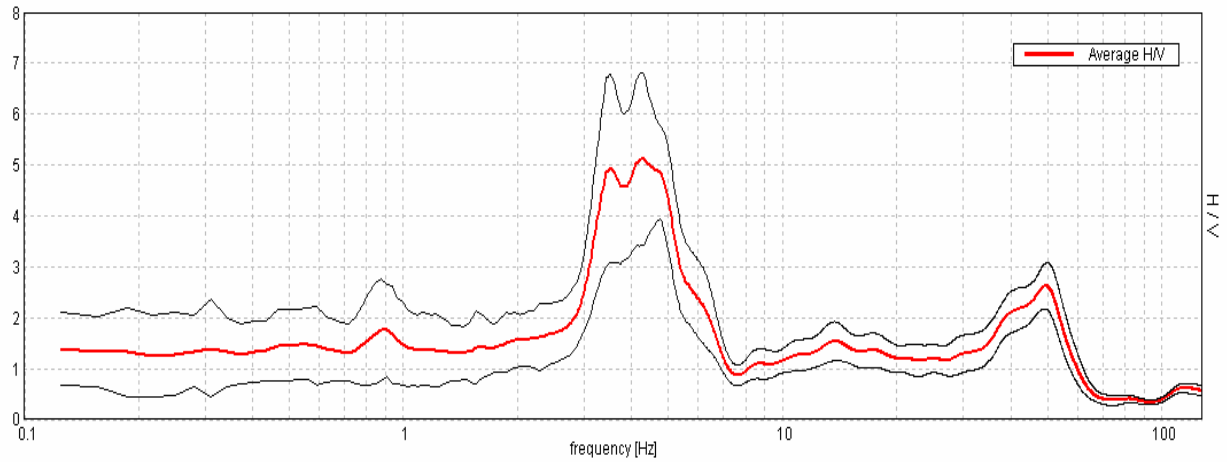
QUOTA: 150 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

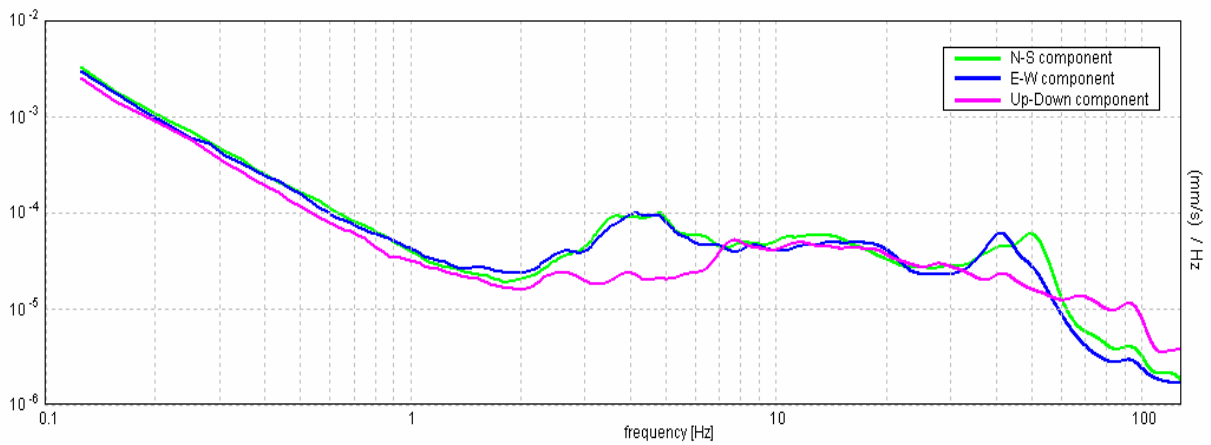
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

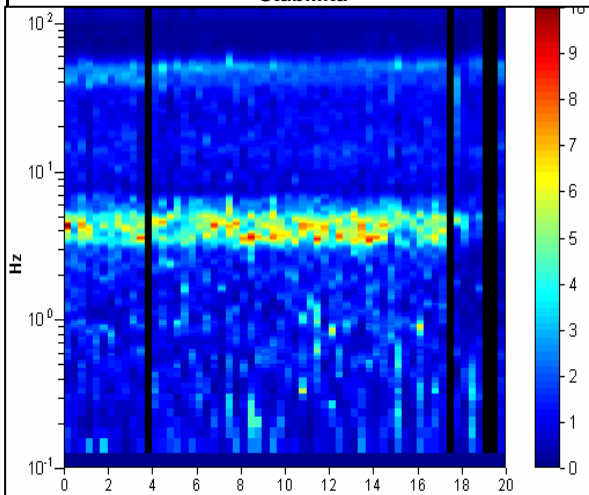
Picco HVV a 4.25 ± 0.1 Hz (nell'intervallo 0.0 - 18.0 Hz).



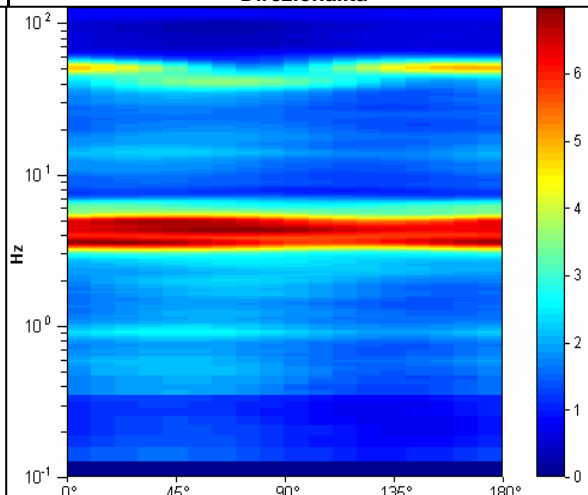
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H20

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 25-10-2013

CANTIERE: Sirano

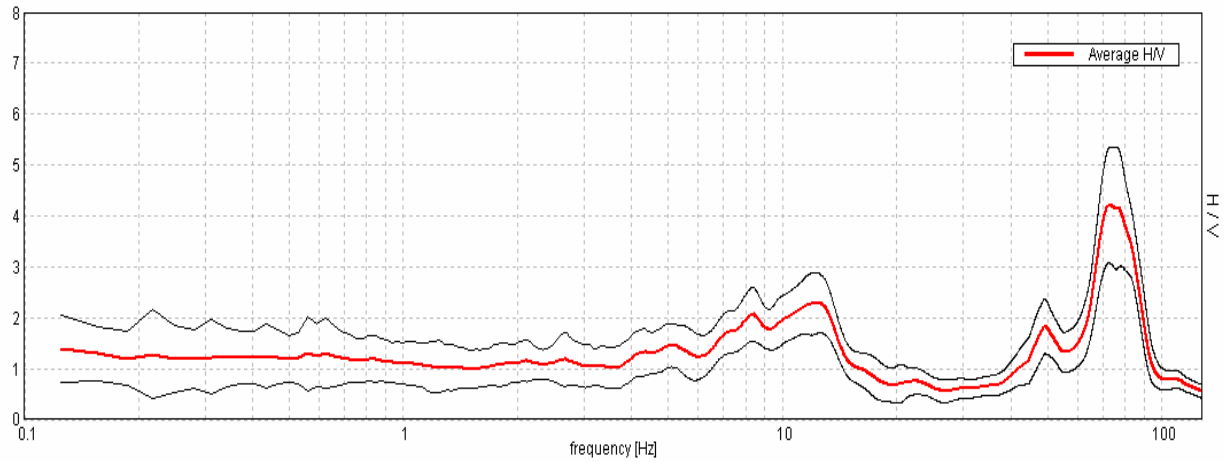
QUOTA: 140 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

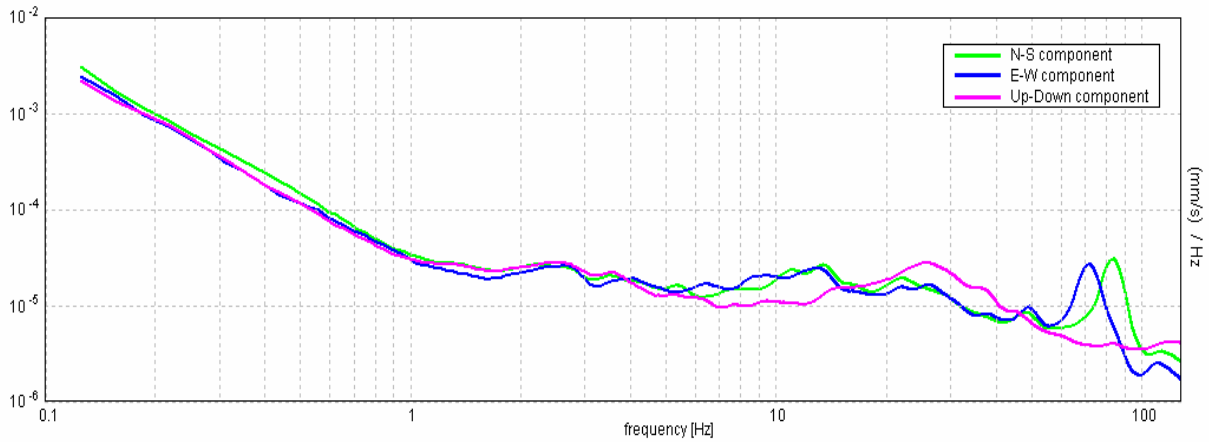
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

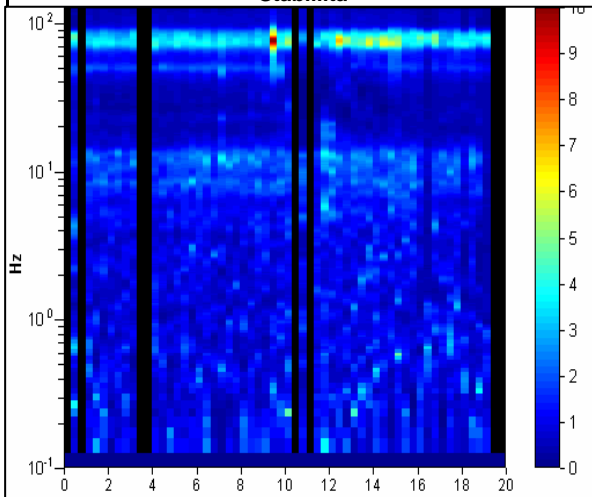
Picco HV a 12.41 ± 2.96 Hz (nell'intervallo 0.0 - 18.0 Hz).



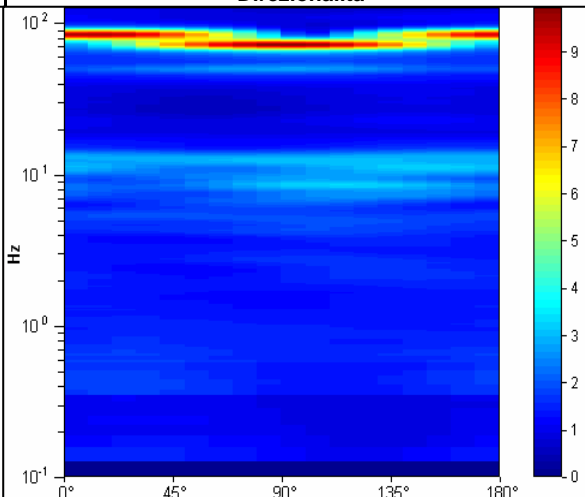
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H21

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Allocco di Sopra

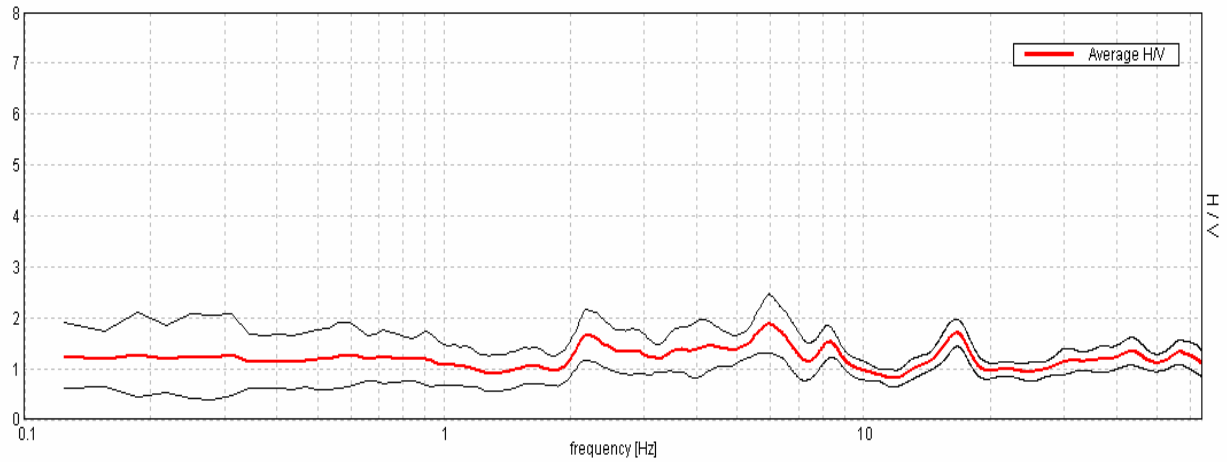
QUOTA: 155 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

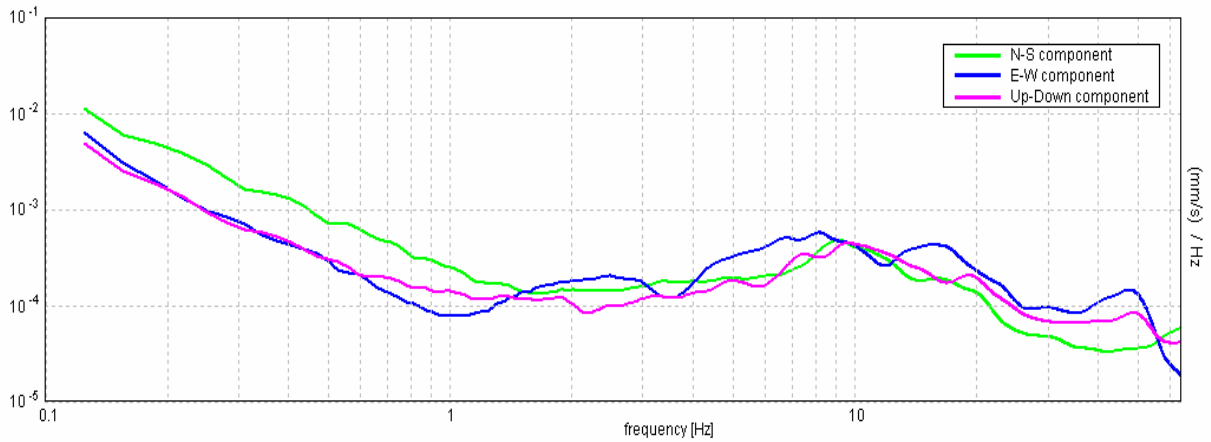
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

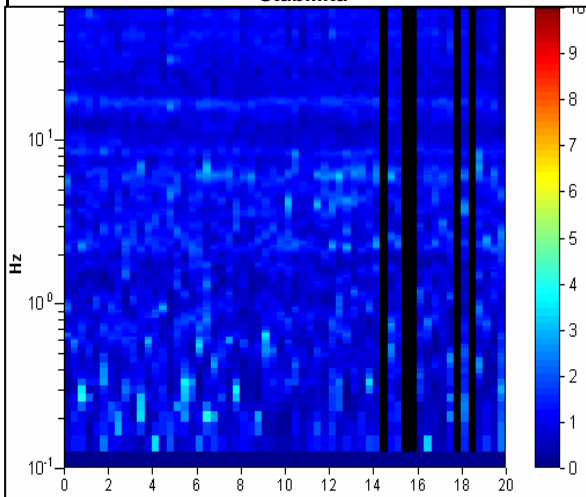
Picco HV a 5.94 ± 6.92 Hz (nell'intervallo 0.0 - 18.0 Hz).



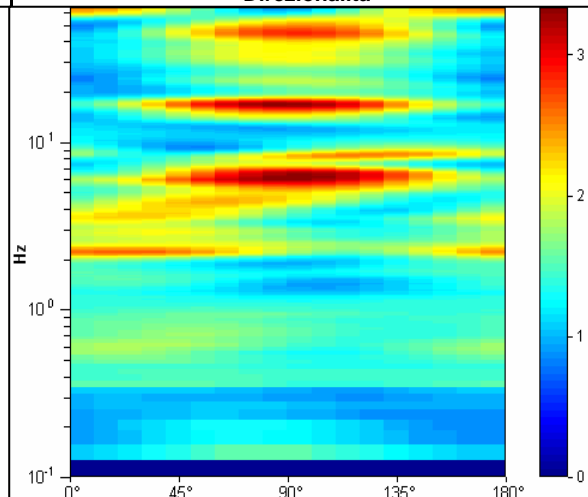
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H22

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Allocco di Sopra

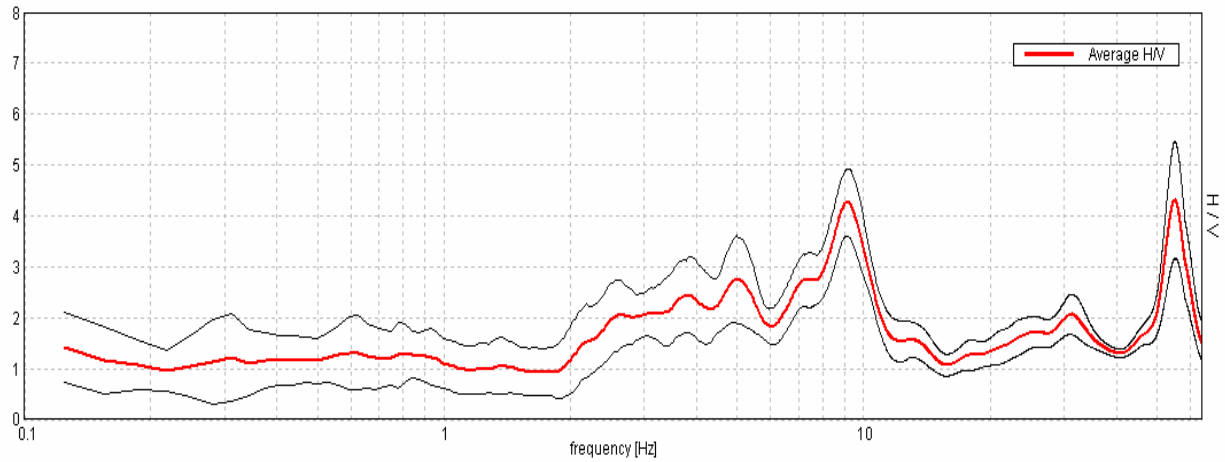
QUOTA: 140 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

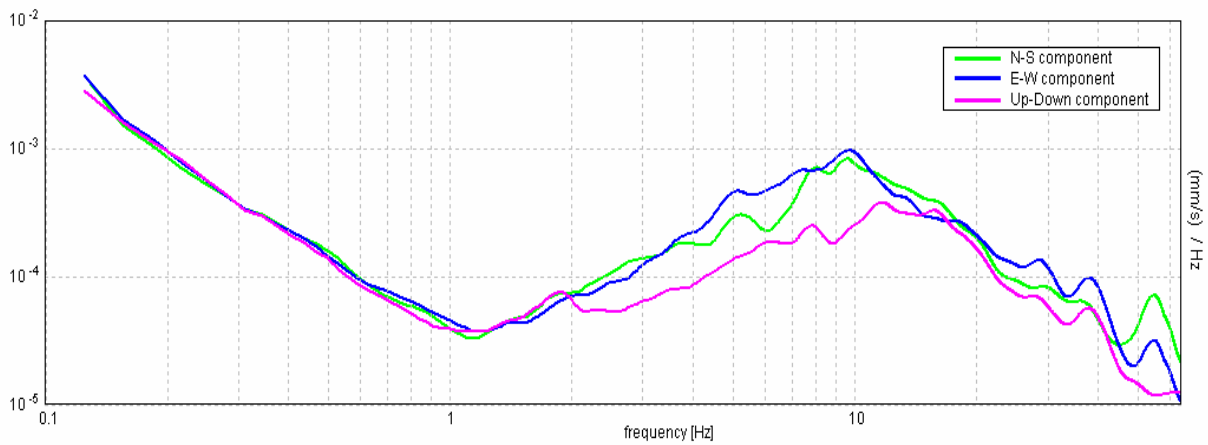
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

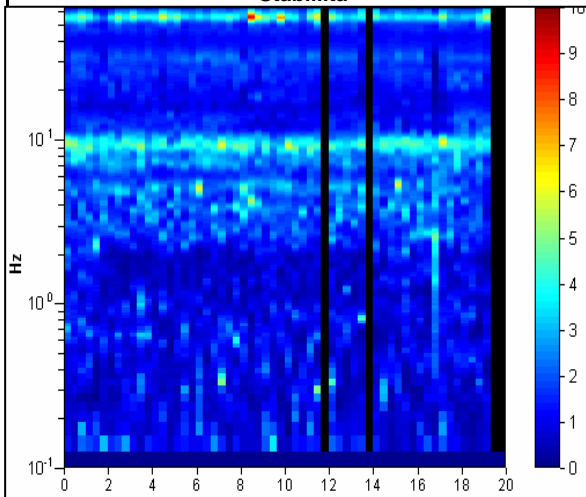
Picco HV a 9.06 ± 0.1 Hz (nell'intervallo 0.0 - 18.0 Hz).



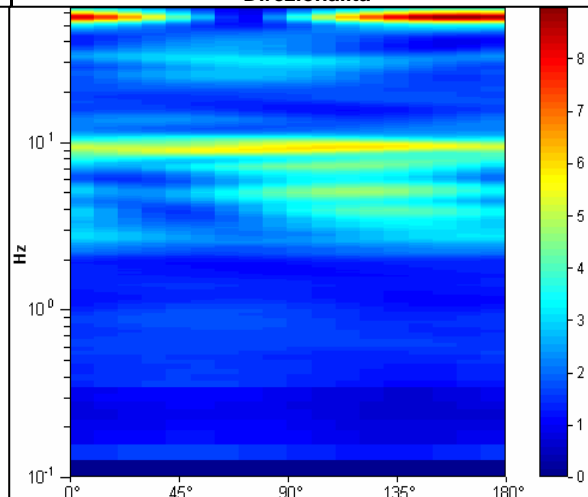
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H23

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Sirano

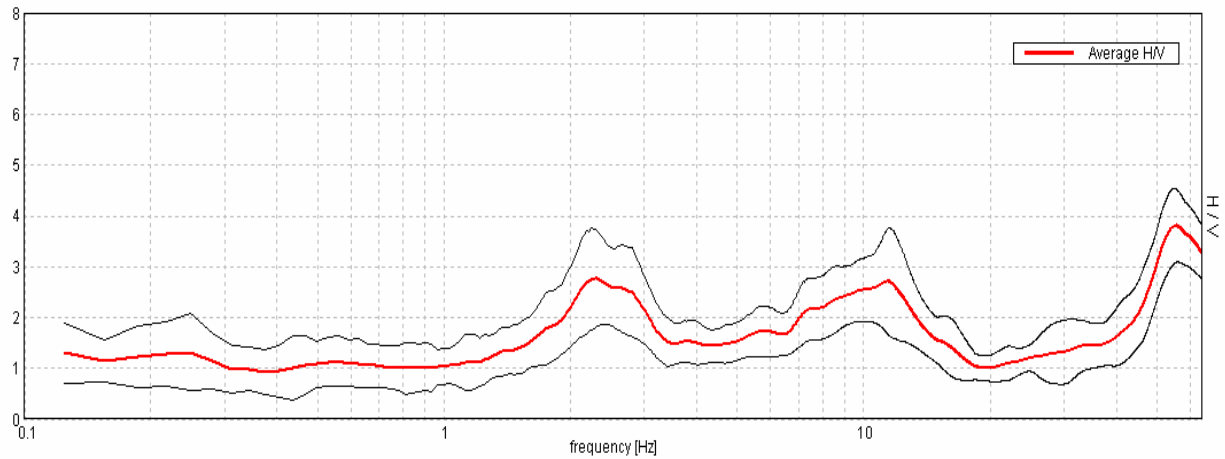
QUOTA: 143 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

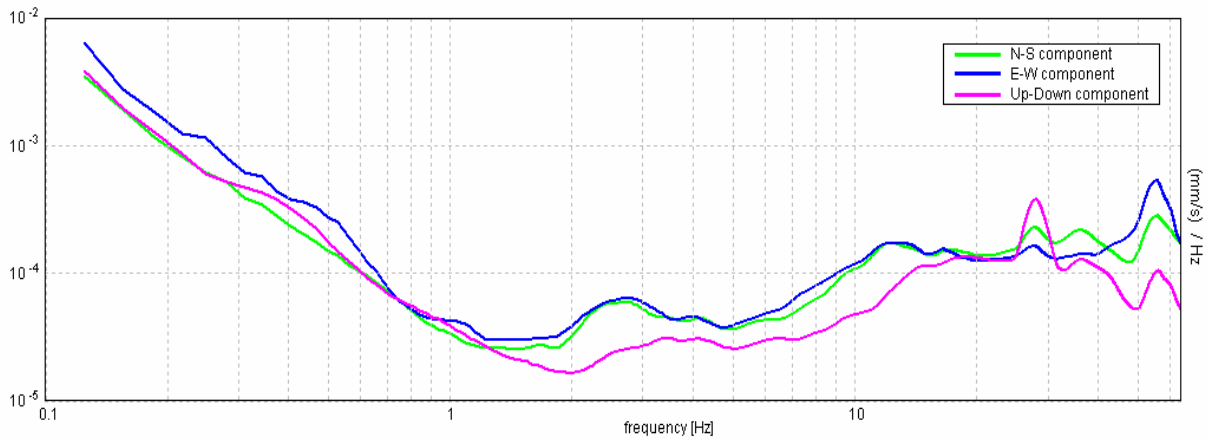
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

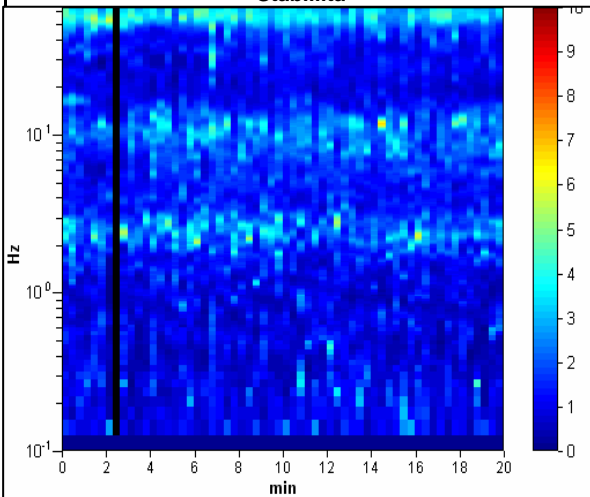
Picco HV a 2.31 ± 2.6 Hz (nell'intervallo 0.0 - 18.0 Hz).



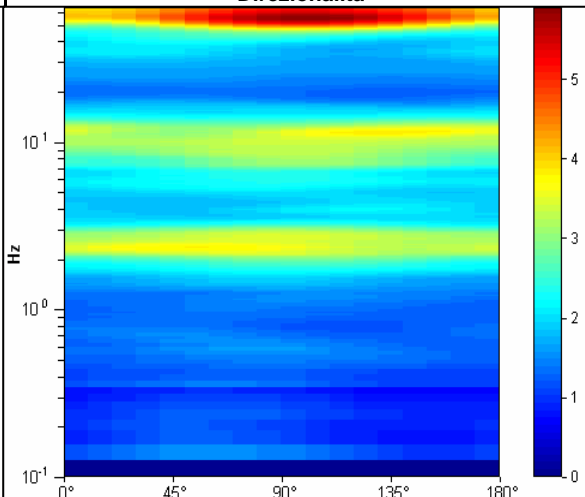
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H24

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Lama di Reno

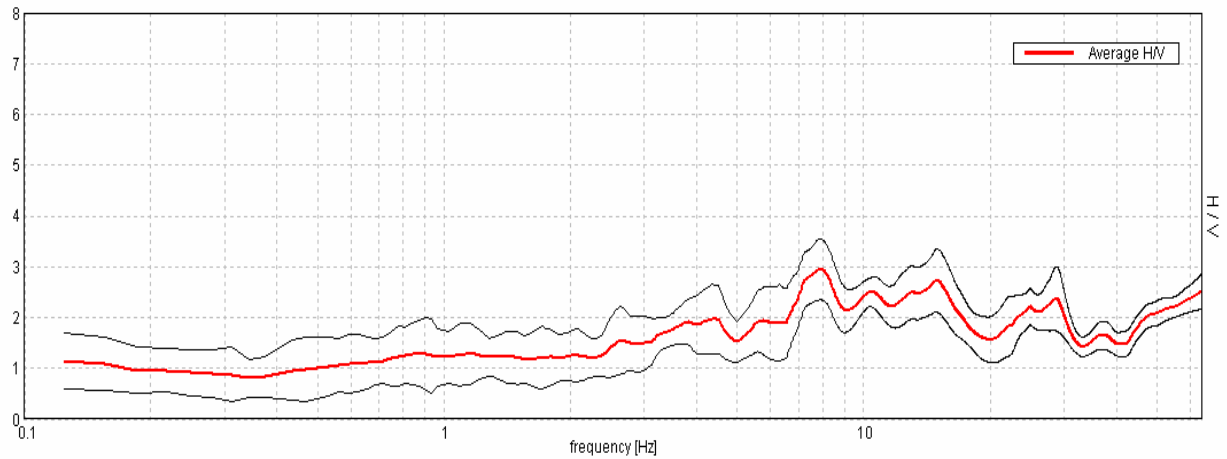
QUOTA: 110 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

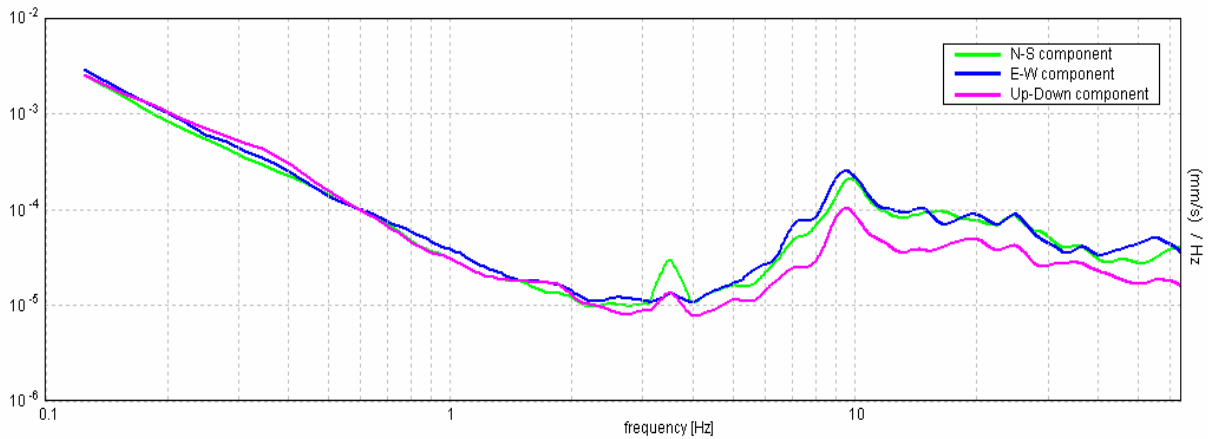
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

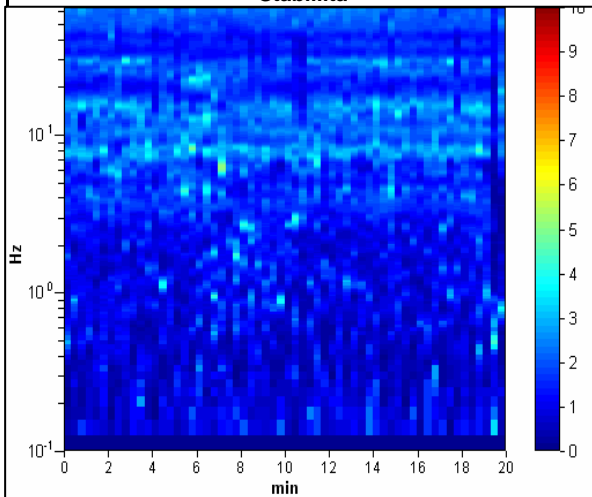
Picco HV a 7.88 ± 3.22 Hz (nell'intervallo 0.0 - 18.0 Hz).



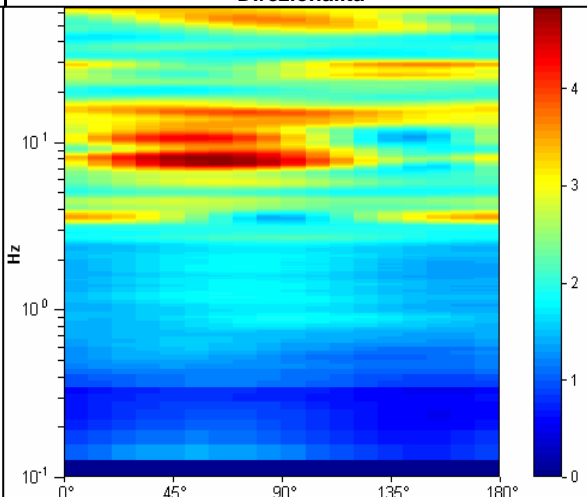
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H25

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Lama di Reno

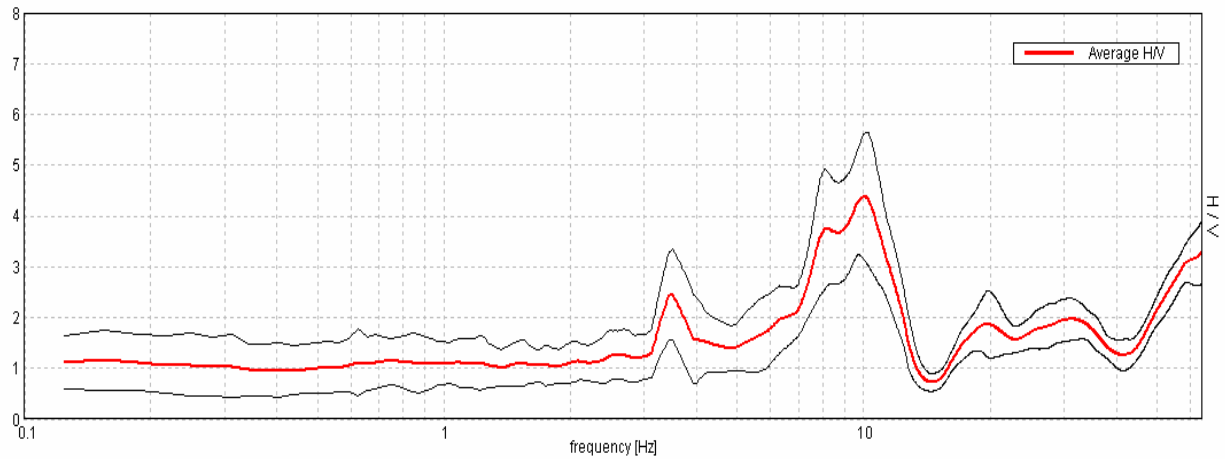
QUOTA: 110 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

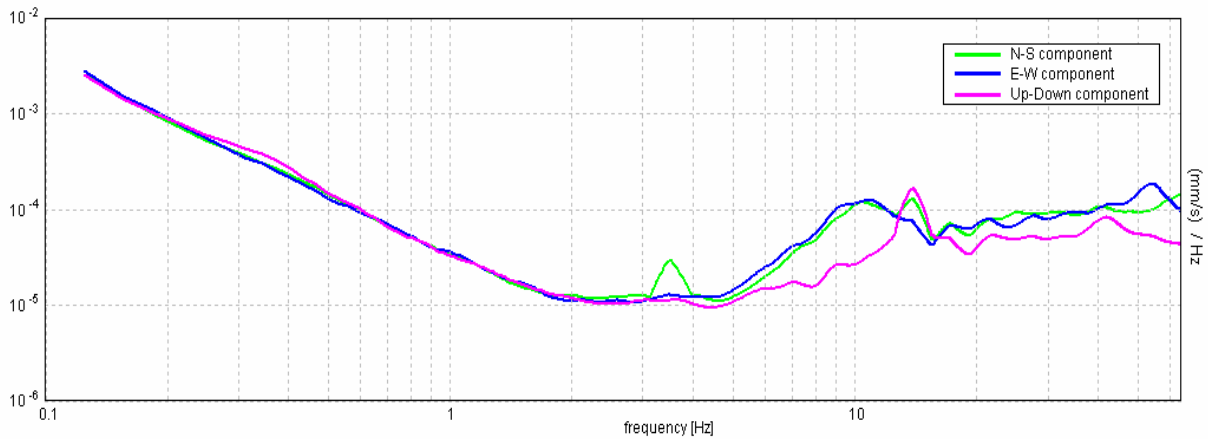
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

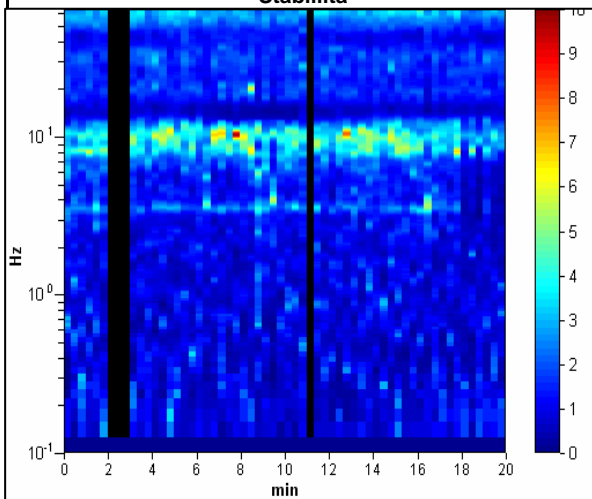
Picco HV a 10.0 ± 0.79 Hz (nell'intervallo 0.0 - 18.0 Hz).



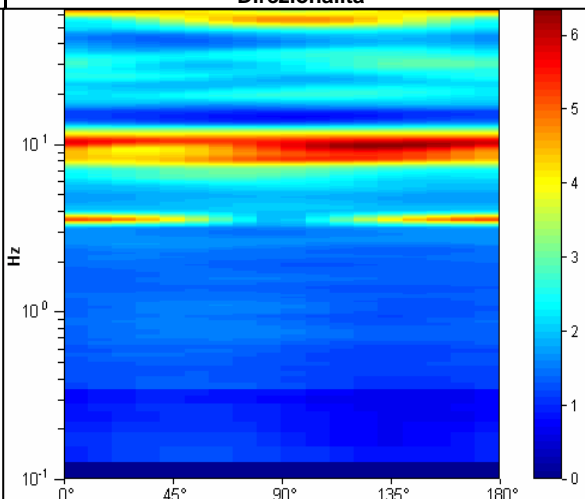
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H26

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Marzabotto

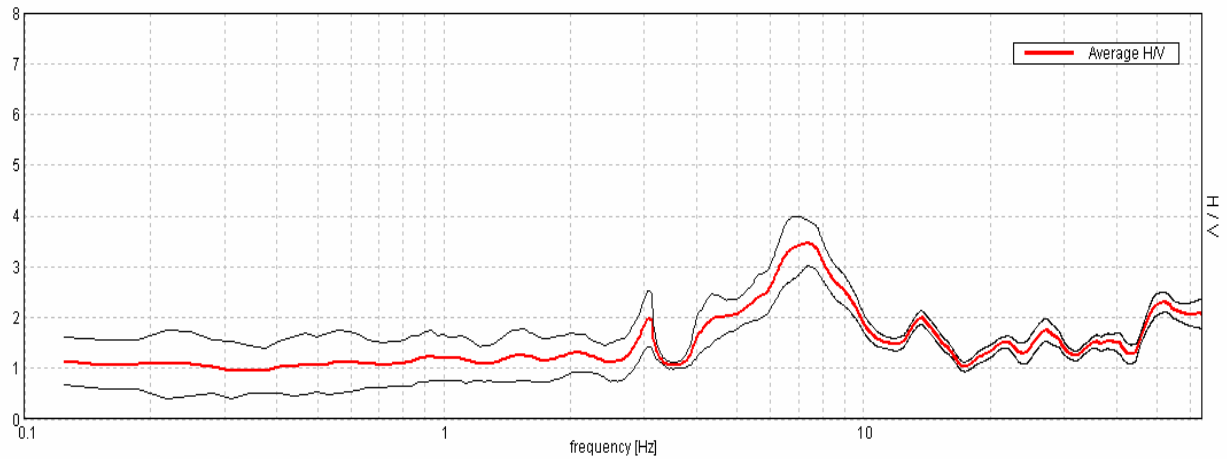
QUOTA: 120 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

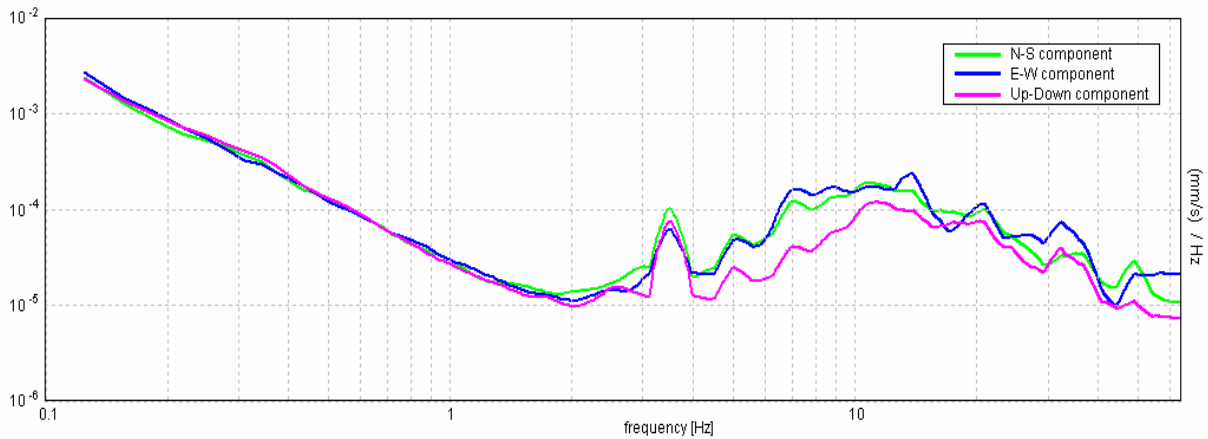
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

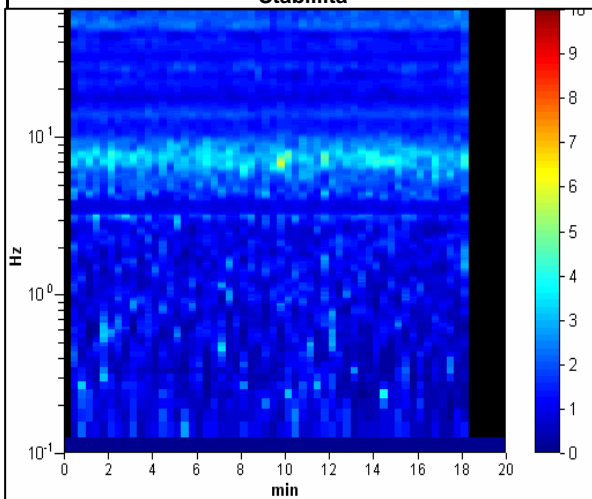
Picco HV a 7.34 ± 0.13 Hz (nell'intervallo 0.0 - 18.0 Hz).



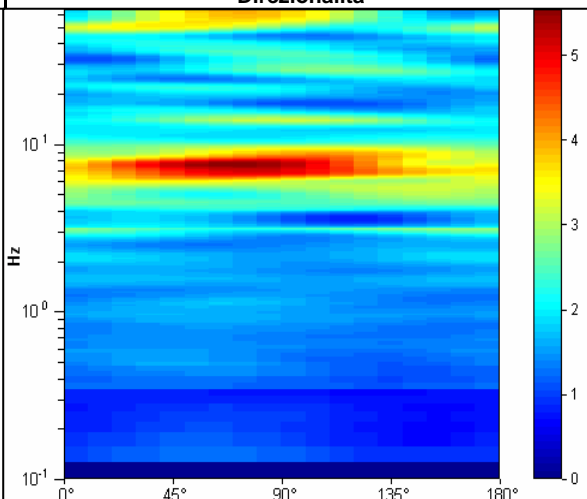
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H27

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Marzabotto

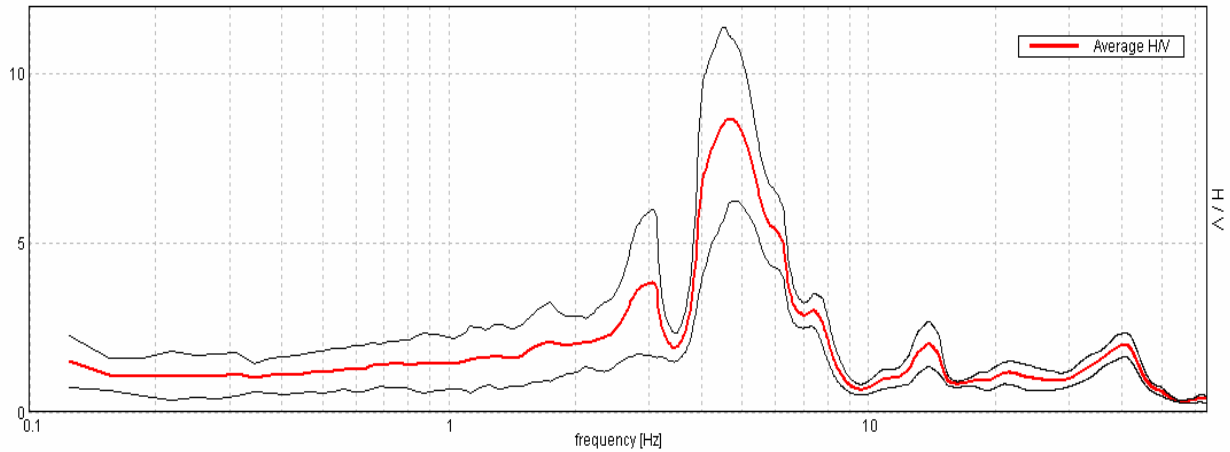
QUOTA: 130 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

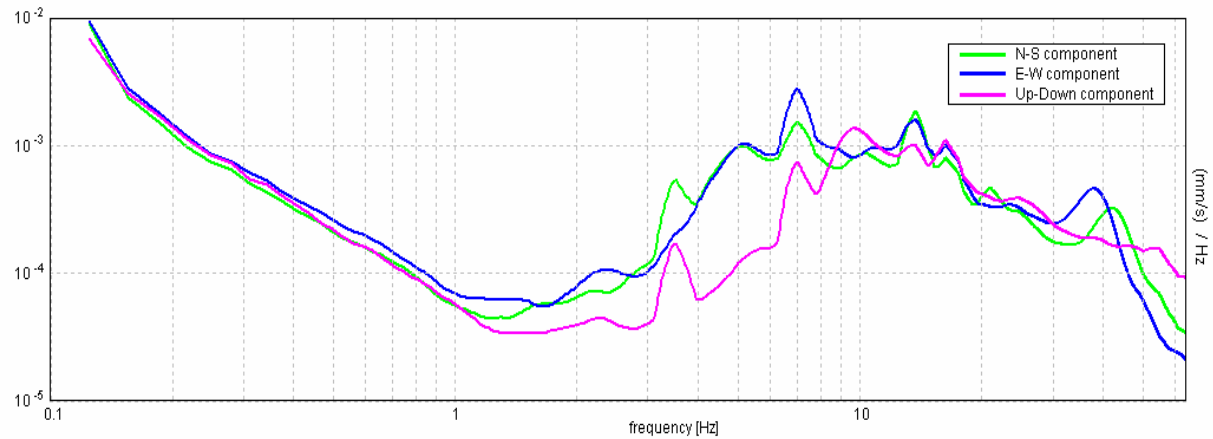
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

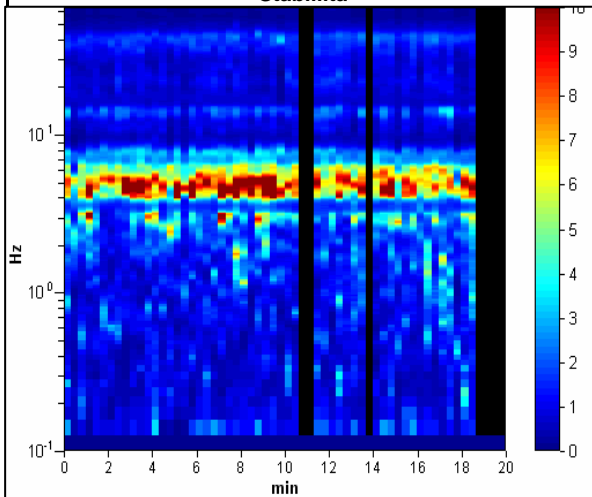
Picco HV a 4.69 ± 0.16 Hz (nell'intervallo 0.0 - 18.0 Hz).



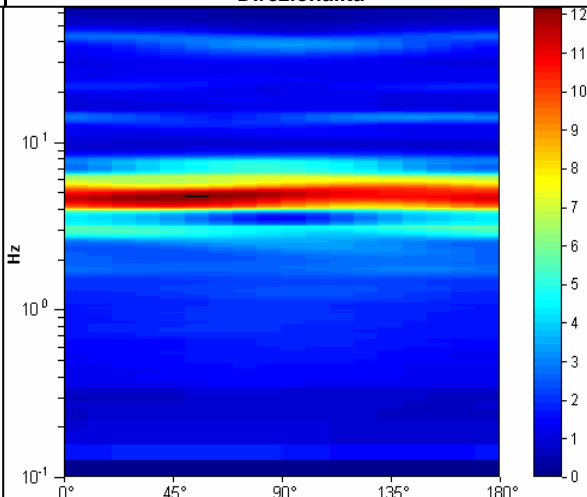
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H28

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Marzabotto

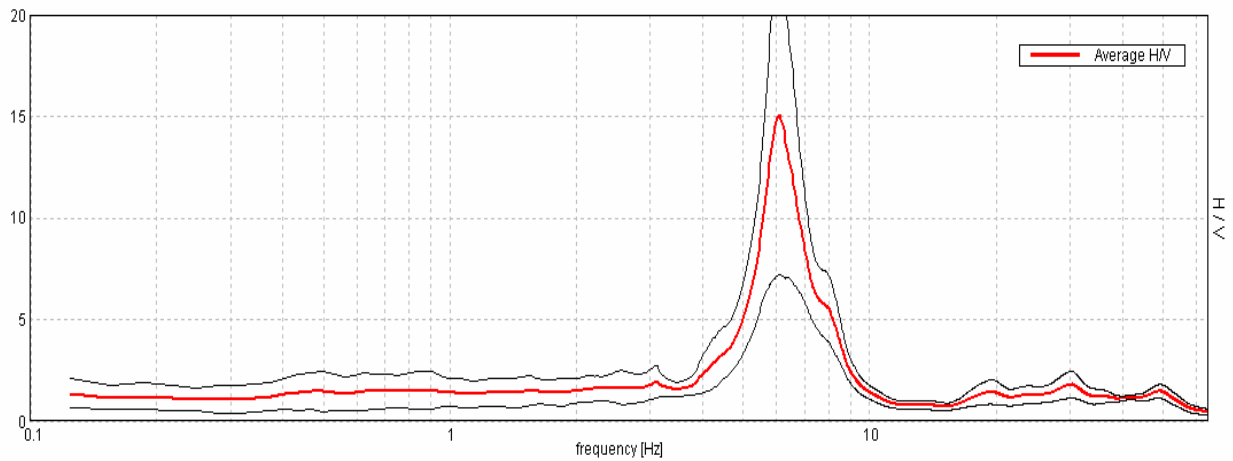
QUOTA: 130 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

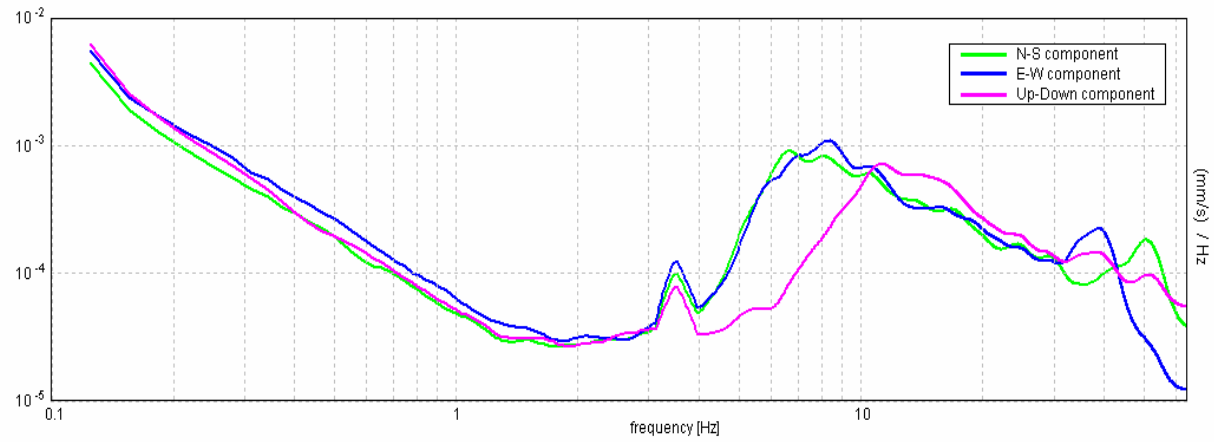
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

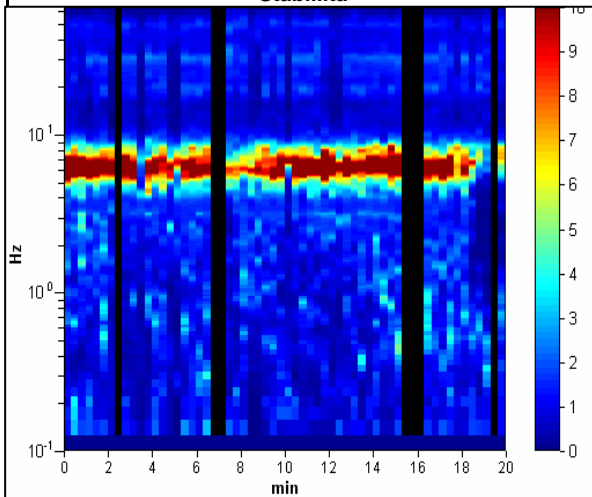
Picco HV a 6.09 ± 0.04 Hz (nell'intervallo 0.0 - 18.0 Hz).



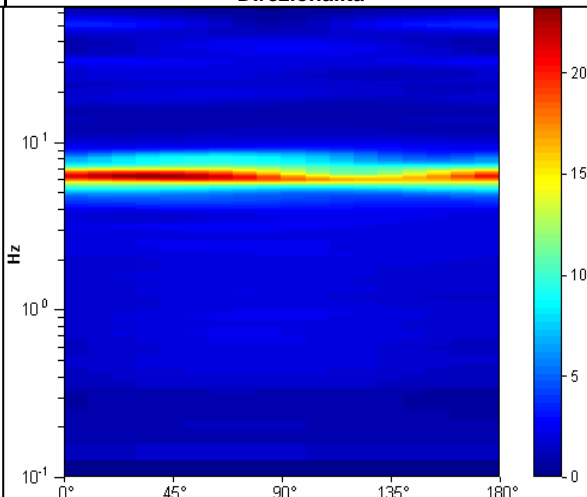
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H29

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Marzabotto

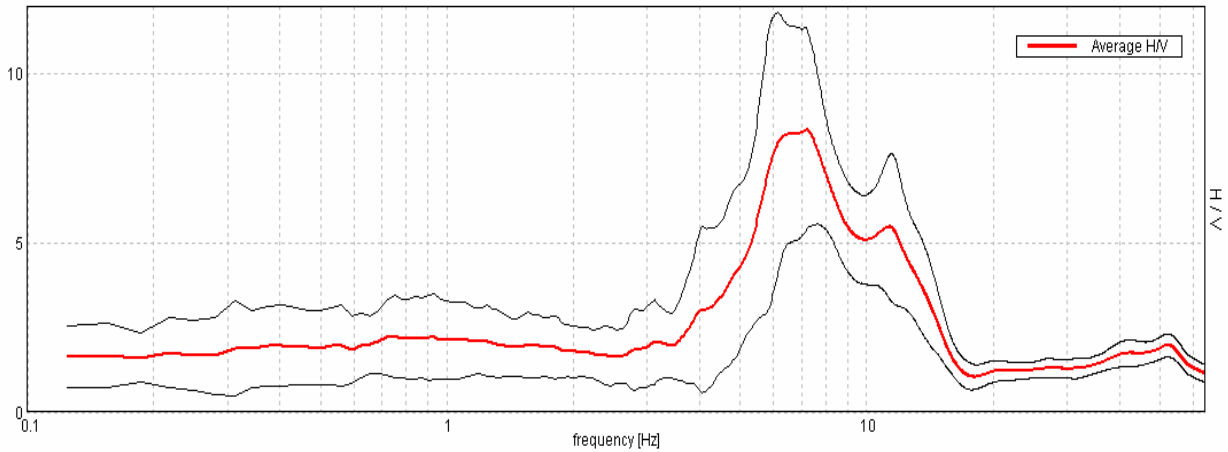
QUOTA: 130 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

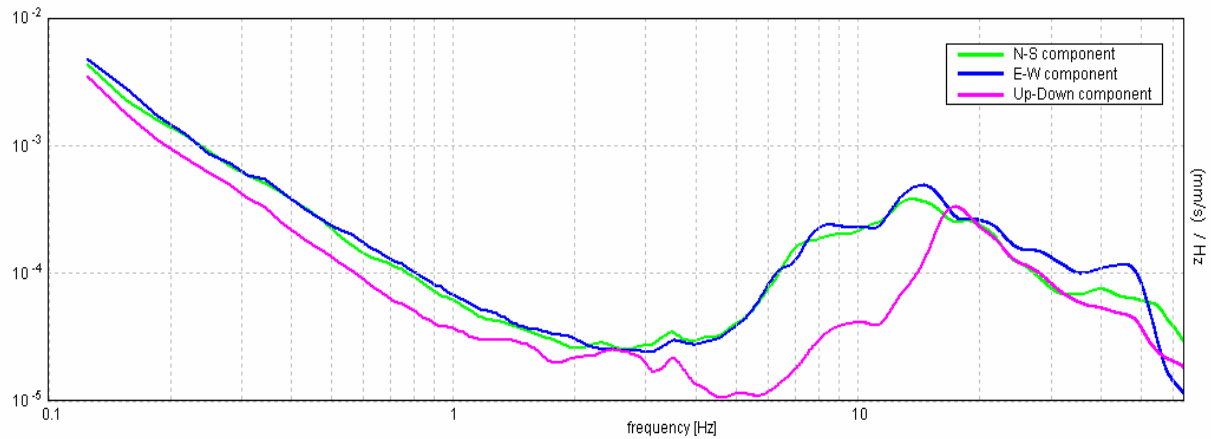
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

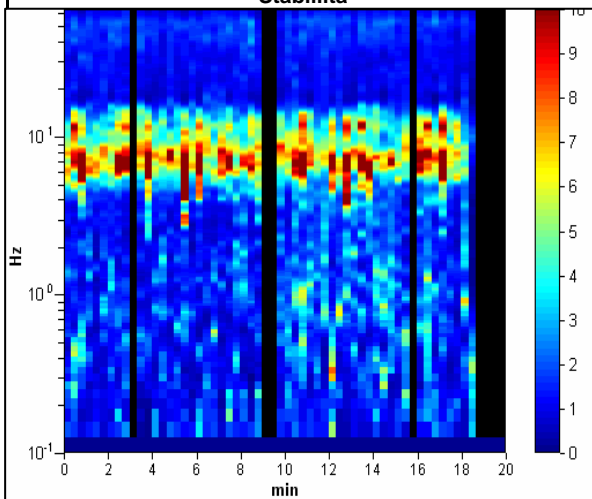
Picco HV a 7.19 ± 0.81 Hz (nell'intervallo 0.0 - 18.0 Hz).



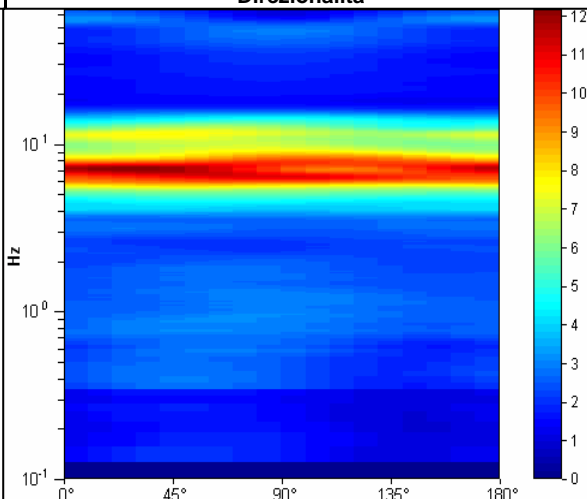
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H30

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Marzabotto

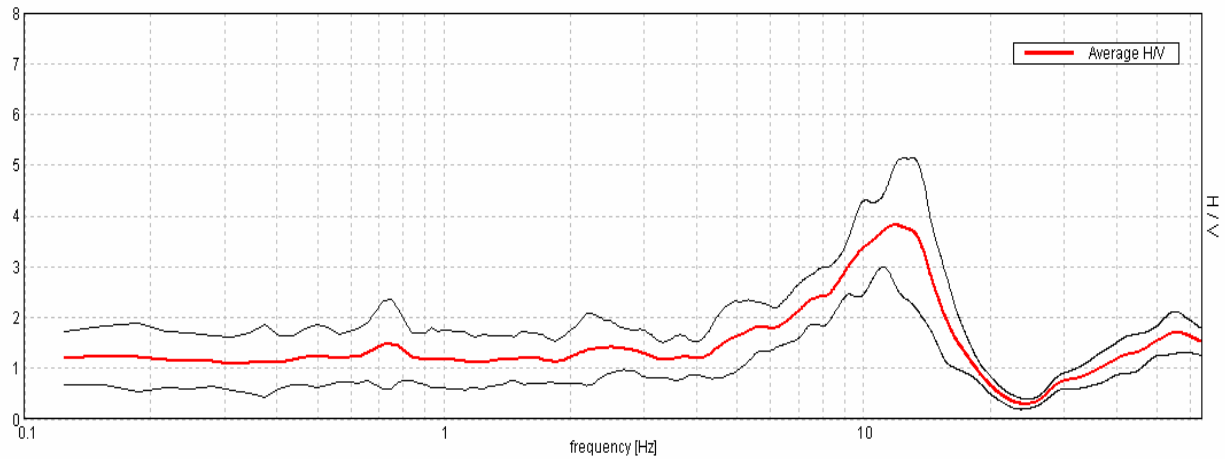
QUOTA: 125 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

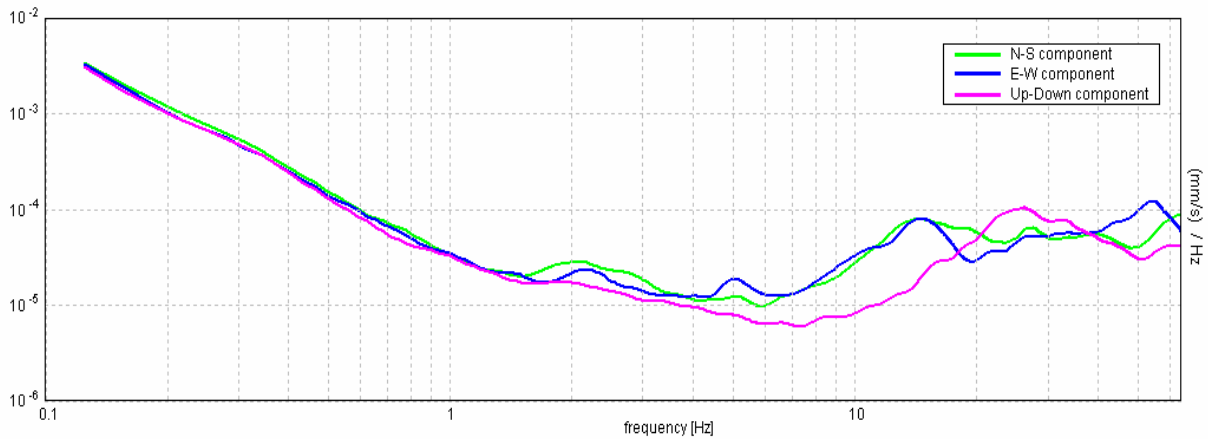
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

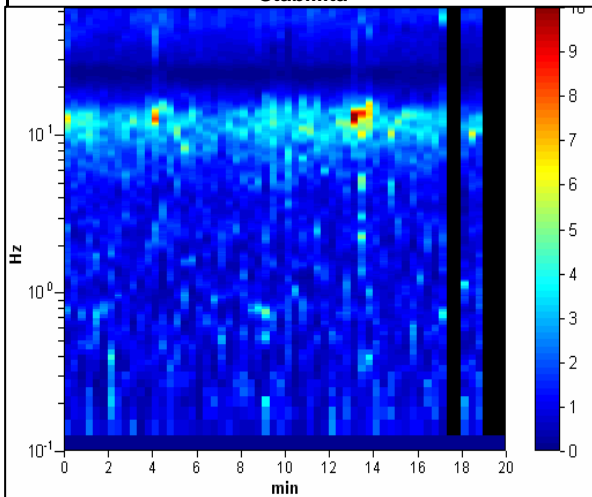
Picco HV a 11.78 ± 0.21 Hz (nell'intervallo 0.0 - 18.0 Hz).



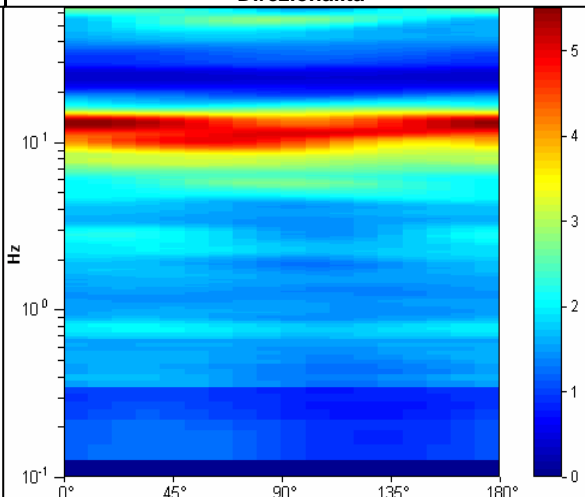
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H31

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Pian di Venola

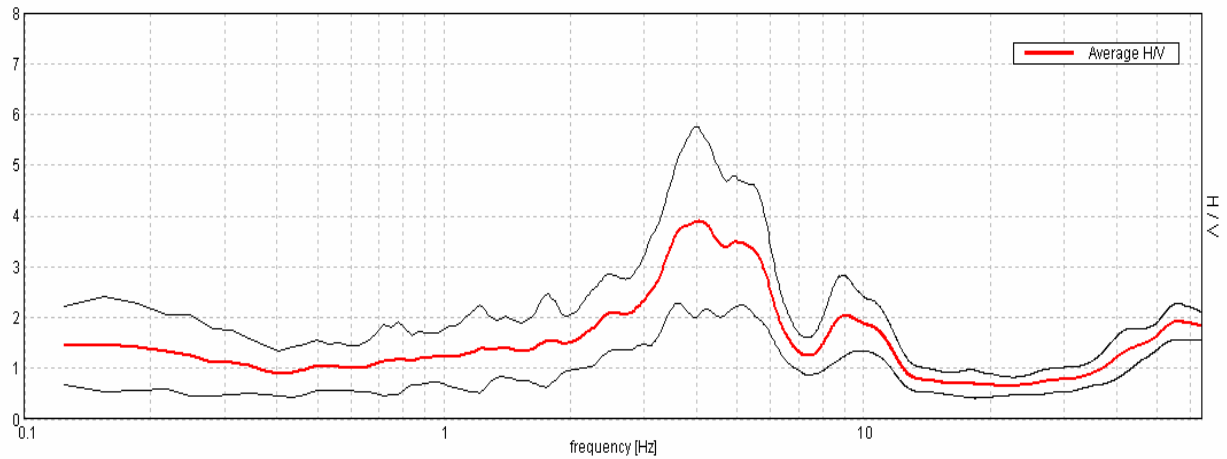
QUOTA: 155 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

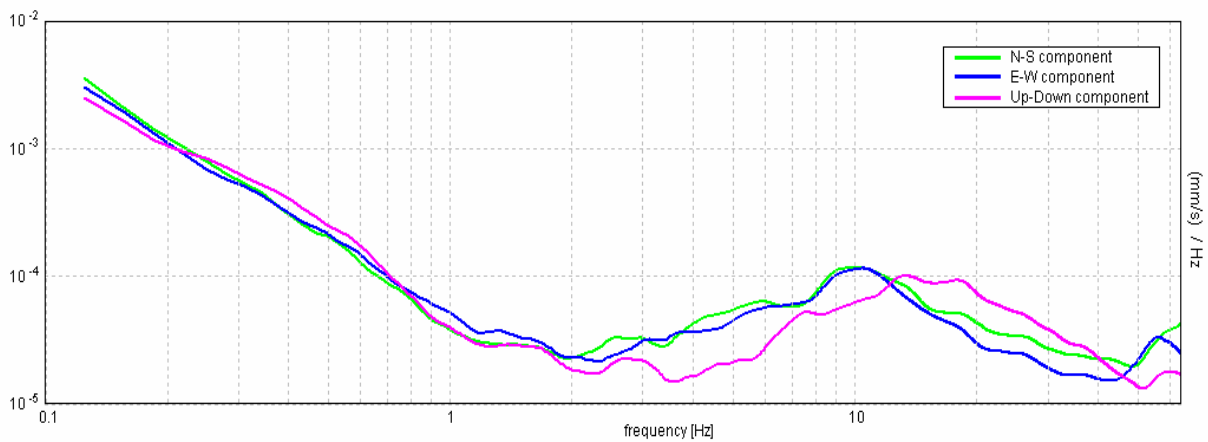
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

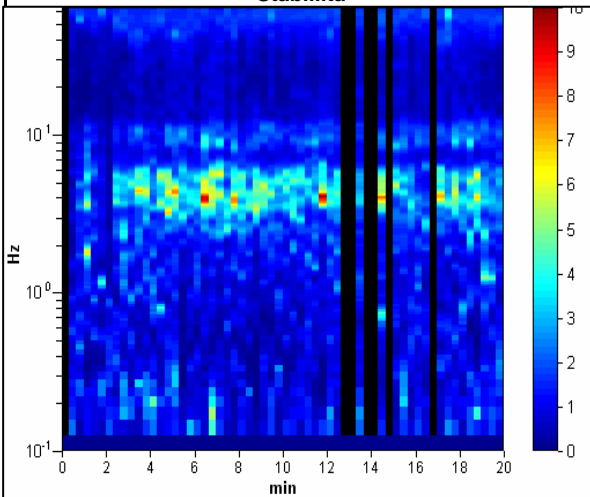
Picco HV a 4.06 ± 0.79 Hz (nell'intervallo 0.0 - 18.0 Hz).



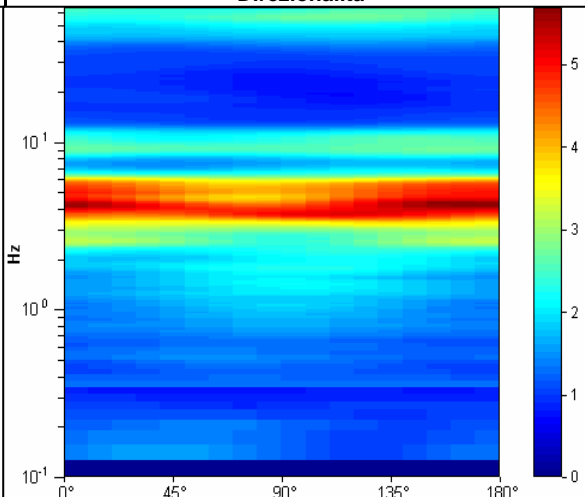
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H32

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 16-10-2013

CANTIERE: Sibano

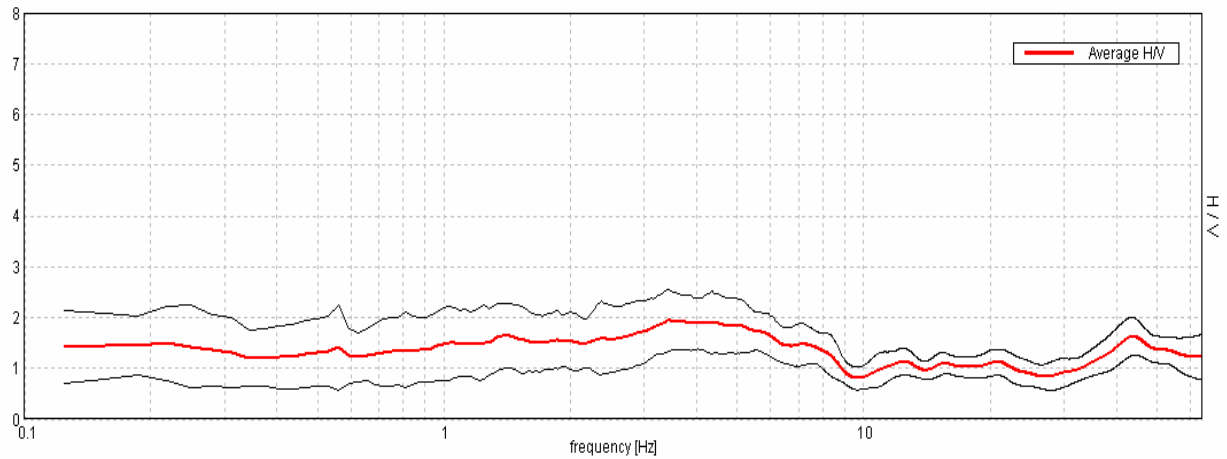
QUOTA: 155 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

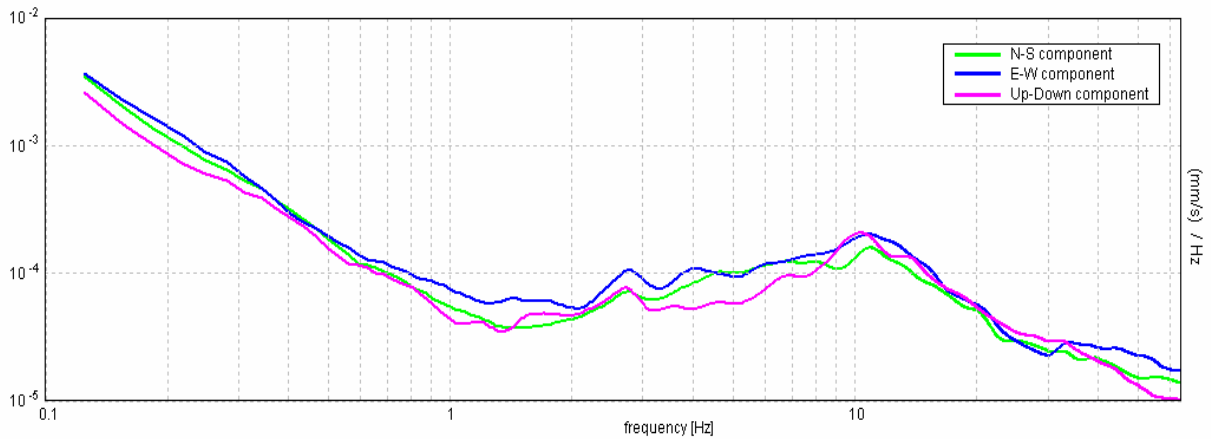
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

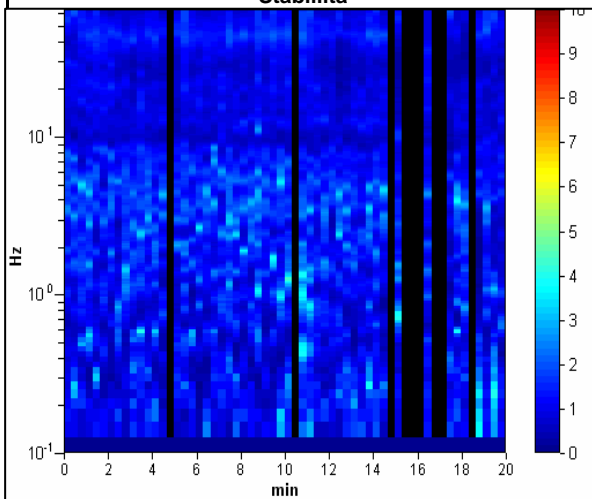
Picco HV a 3.44 ± 0.84 Hz (nell'intervallo 0.0 - 18.0 Hz).



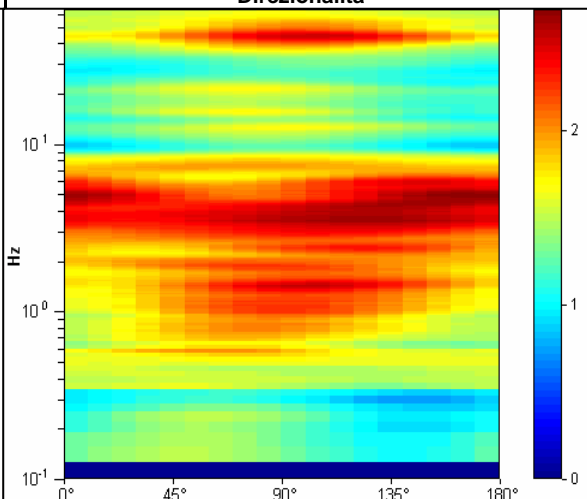
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H33

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 19-12-2013

CANTIERE: Capoluogo

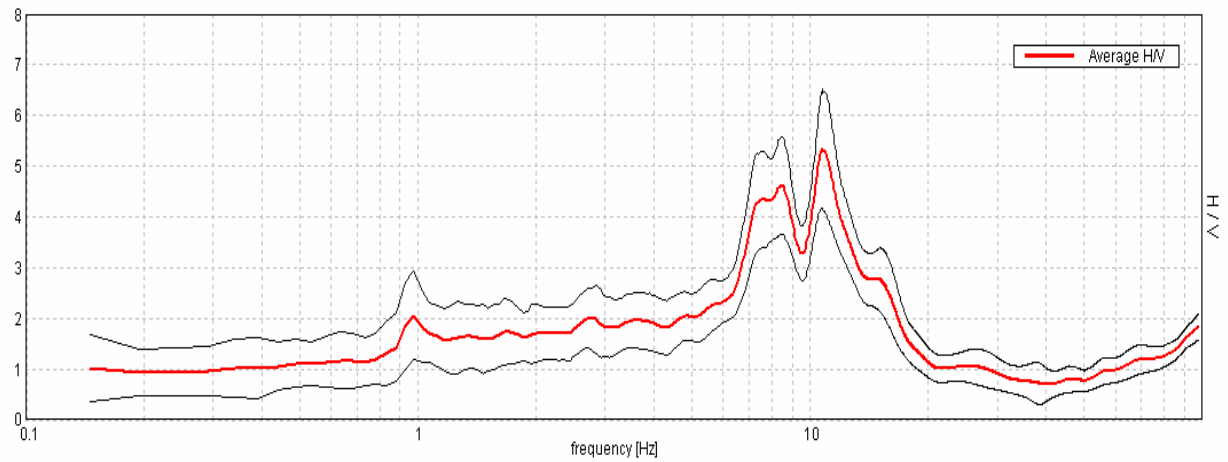
QUOTA: 178 m. s.l.m.

OPERATORI: Arbizzi A.

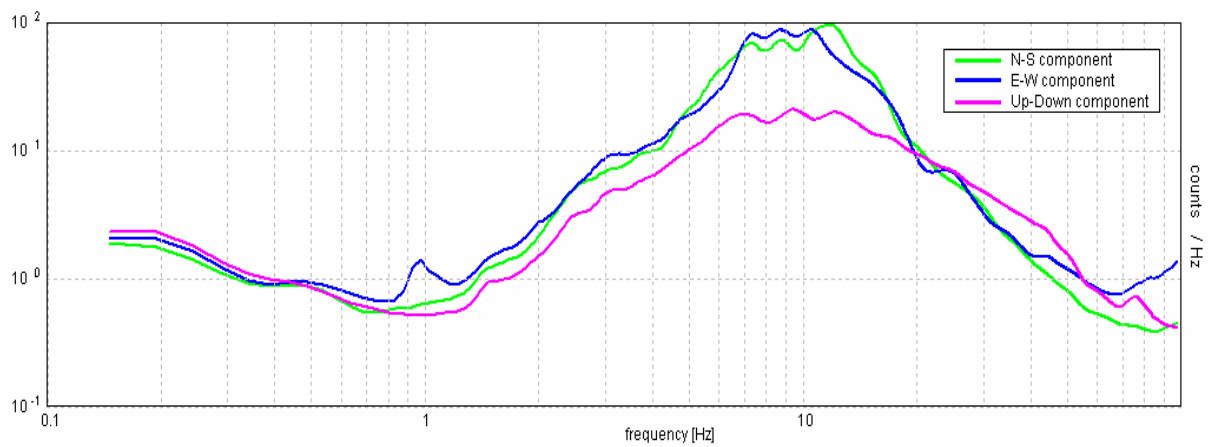
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

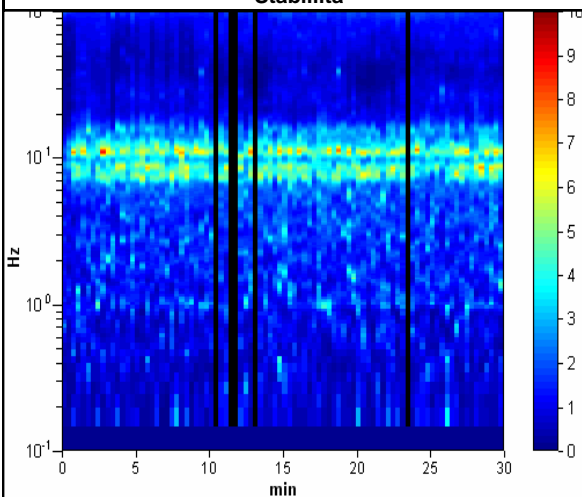
Max. HV at 10.74 ± 0.3 Hz. (In the range 0.0 - 18.0 Hz).



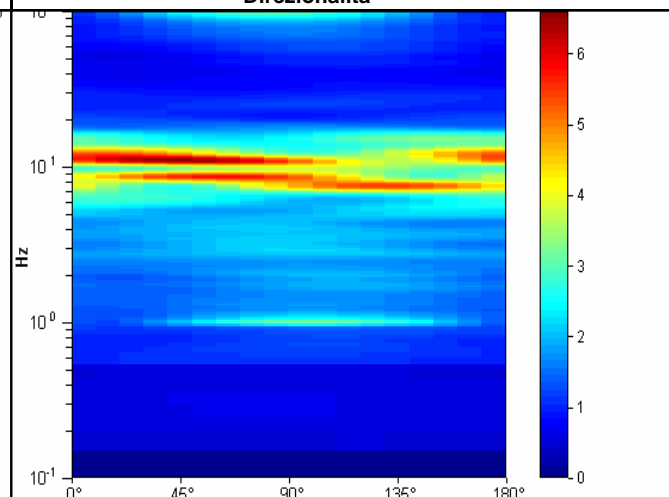
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H34

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 19-12-2013

CANTIERE: Sirano

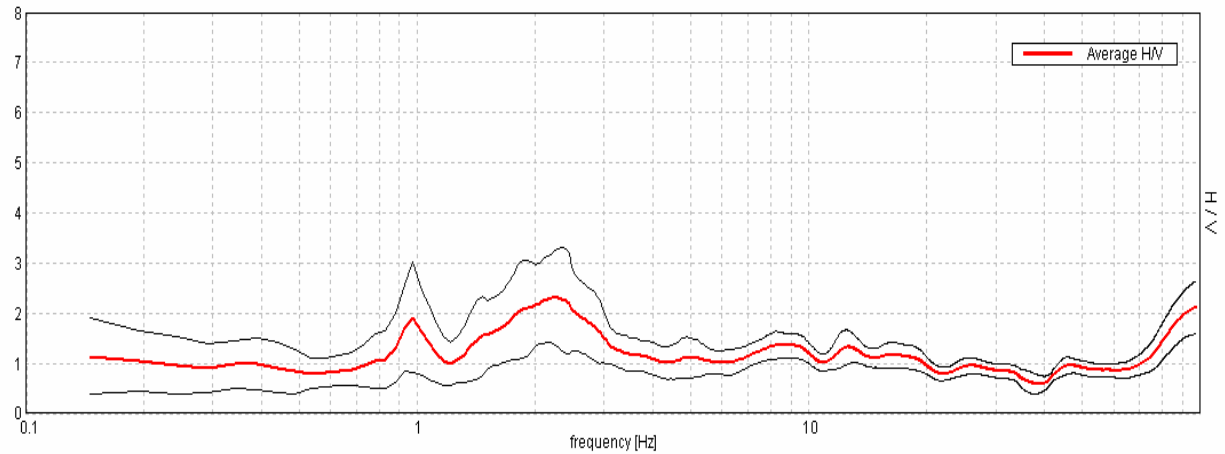
QUOTA: 145 m. s.l.m.

OPERATORI: Arbizzi A.

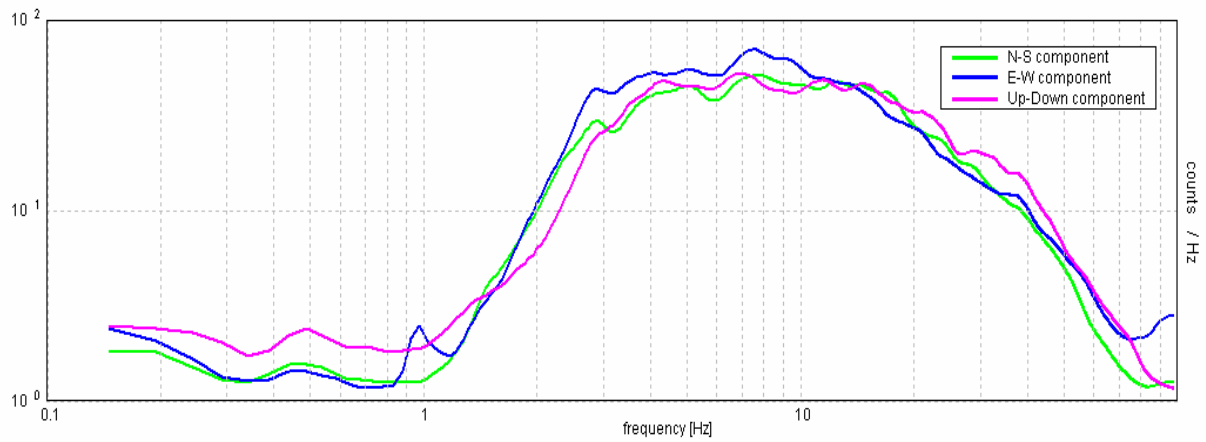
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

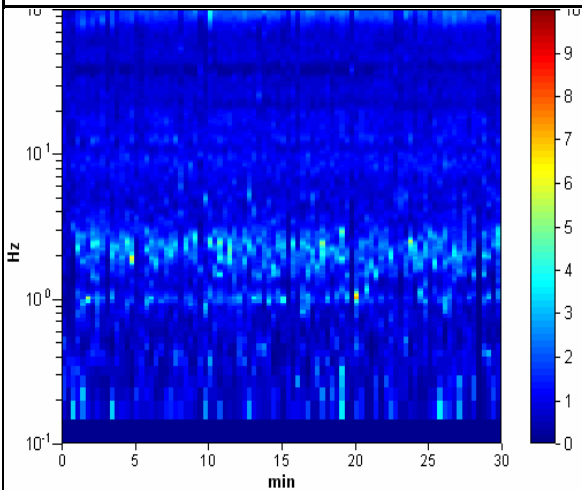
Max. HV at 2.25 ± 0.47 Hz. (In the range 0.0 - 18.0 Hz).



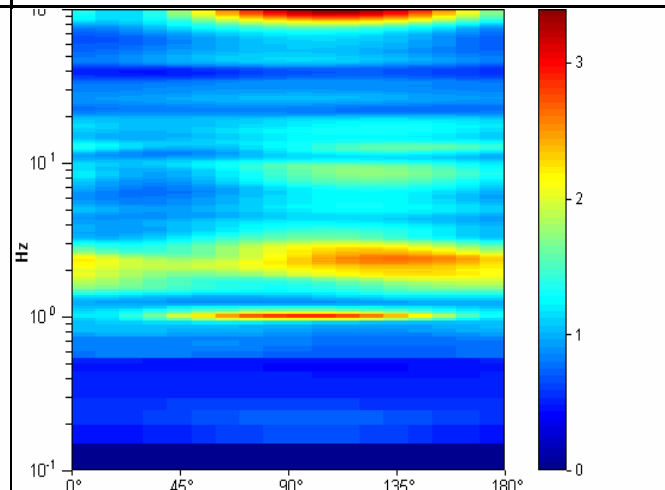
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H35

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 19-12-2013

CANTIERE: Panico

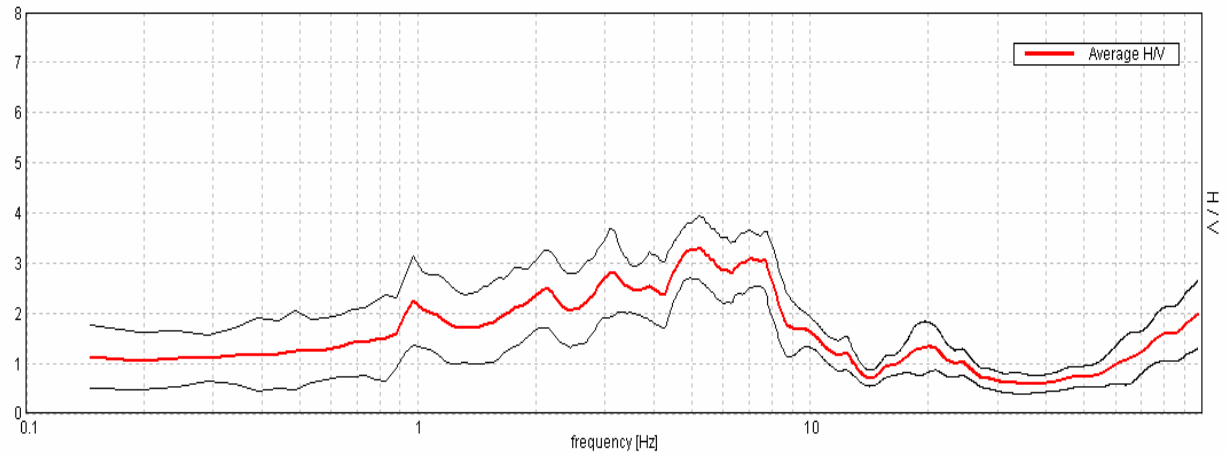
QUOTA: 158 m. s.l.m.

OPERATORI: Arbizzi A.

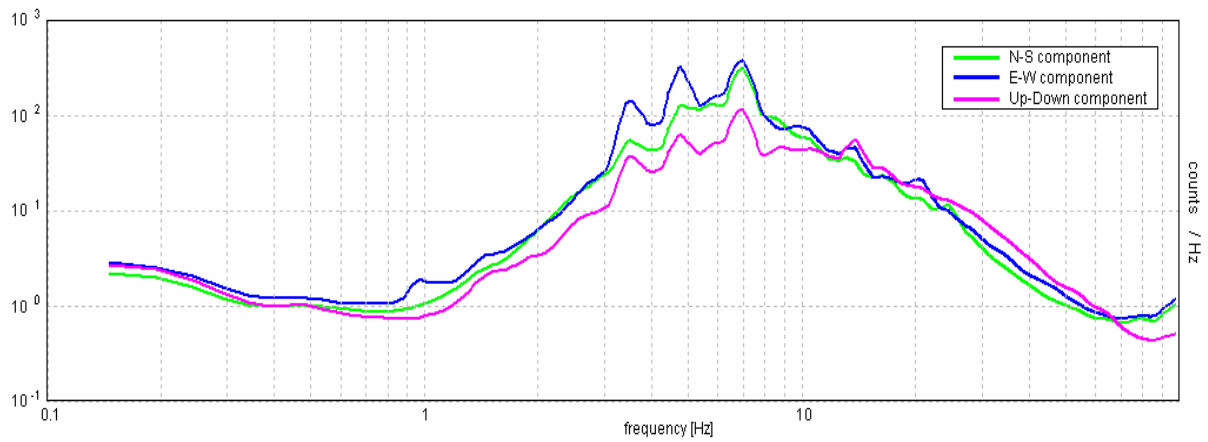
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

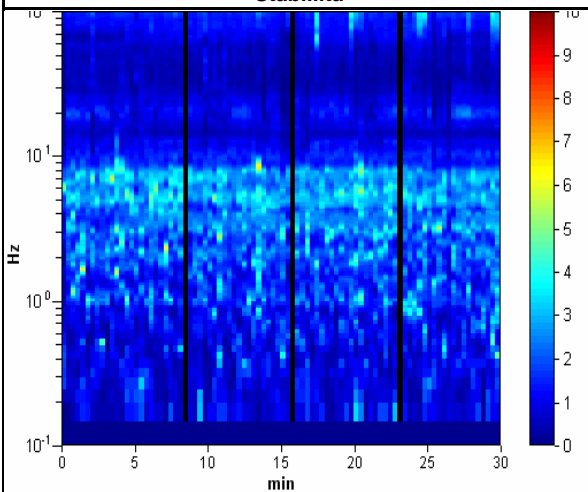
Max. HV at 5.18 ± 0.66 Hz. (In the range 0.0 - 18.0 Hz).



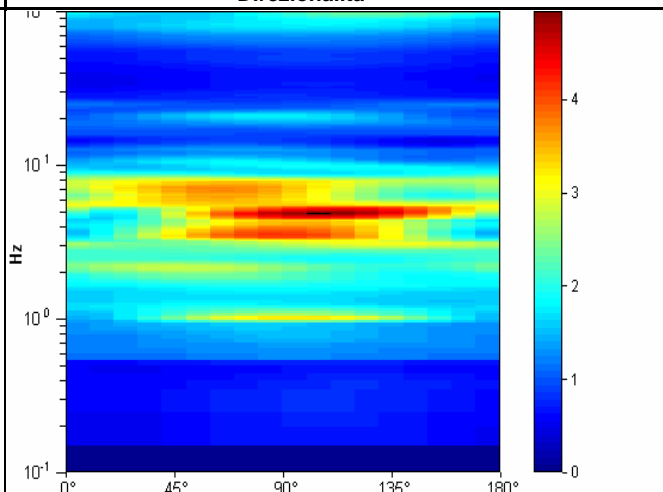
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H36

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 18-12-2013

CANTIERE: Pioppe di Salvaro

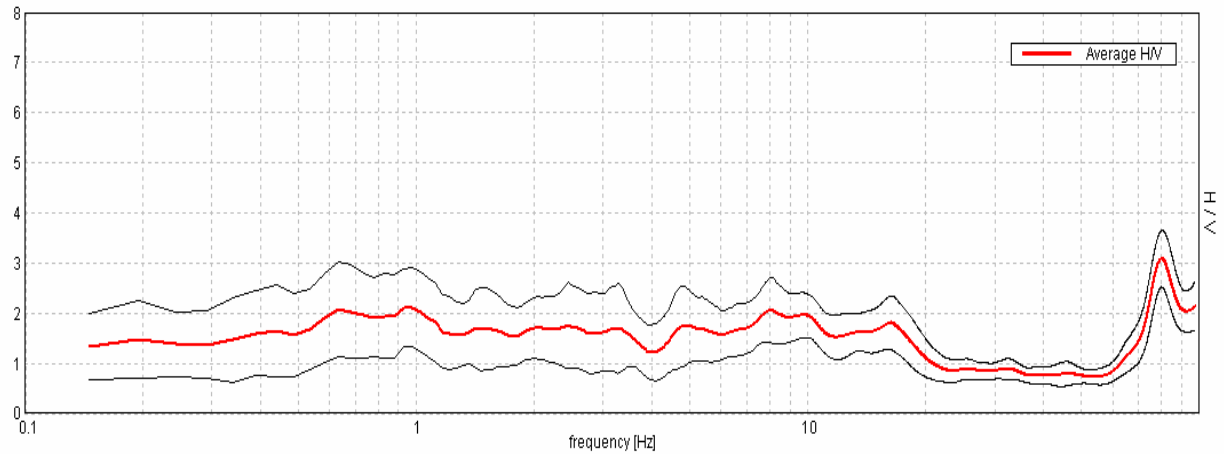
QUOTA: 168 m. s.l.m.

OPERATORI: Arbizzi A.

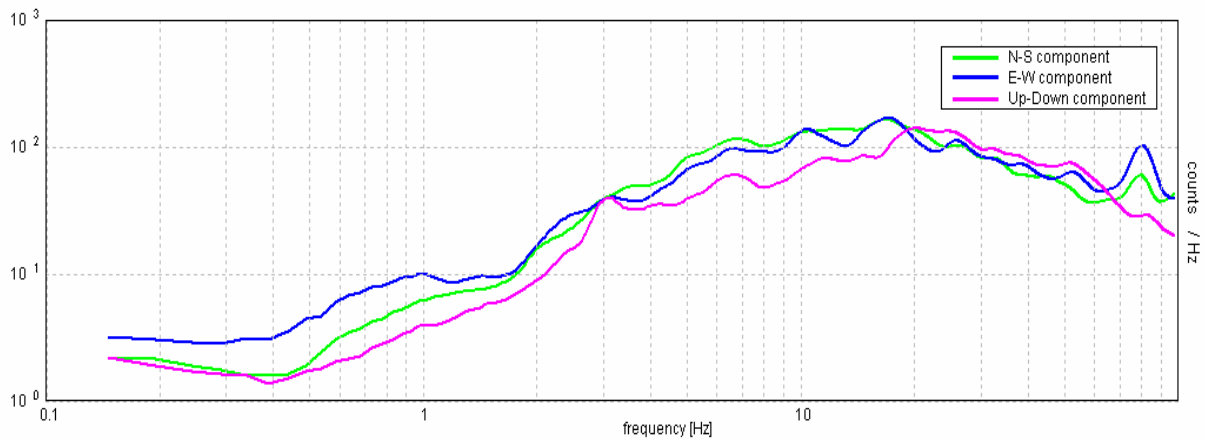
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

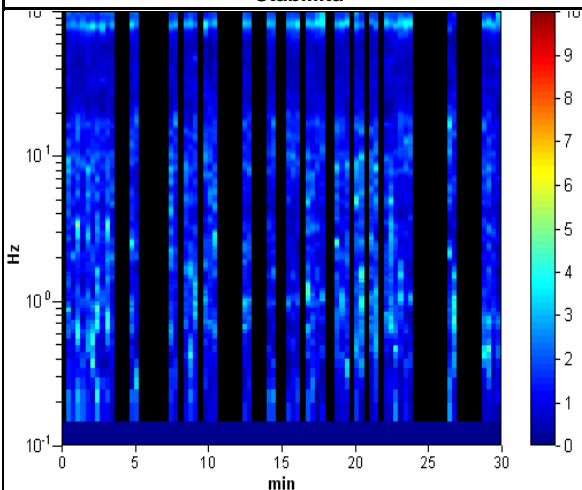
Max. HVV at 0.93 ± 1.26 Hz. (In the range 0.0 - 18.0 Hz).



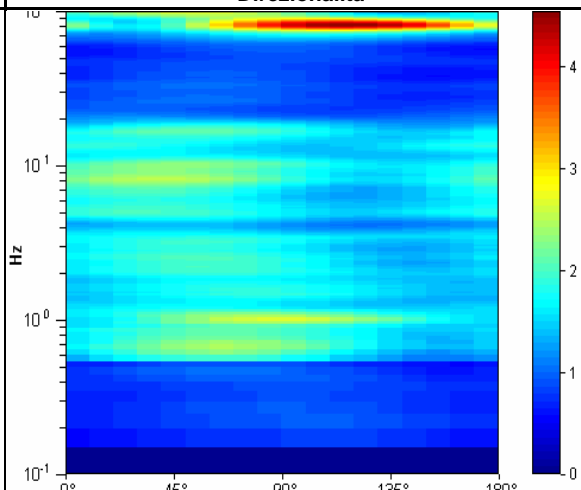
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H37

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 18-12-2013

CANTIERE: Pioppe di Salvaro

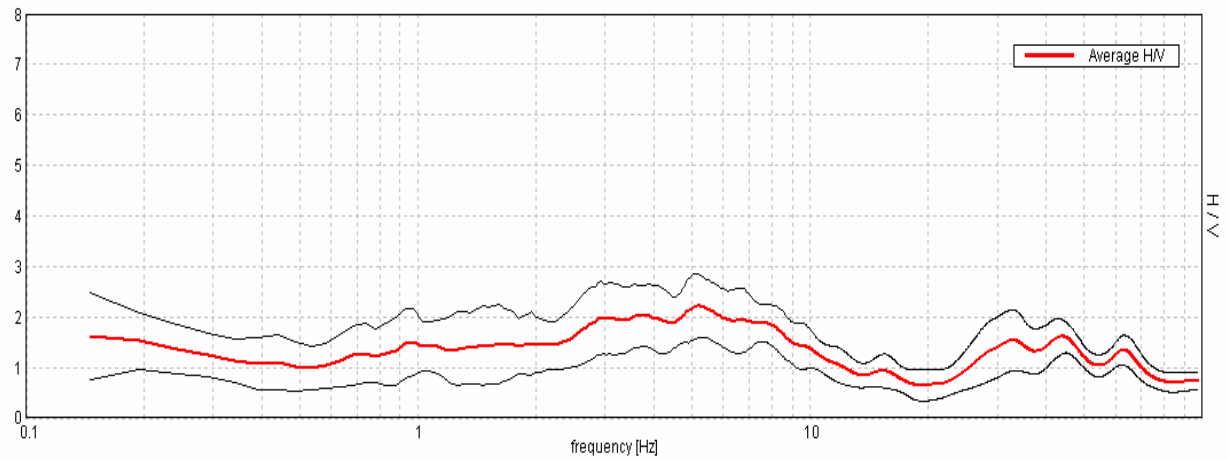
QUOTA: 165 m. s.l.m.

OPERATORI: Arbizzi A.

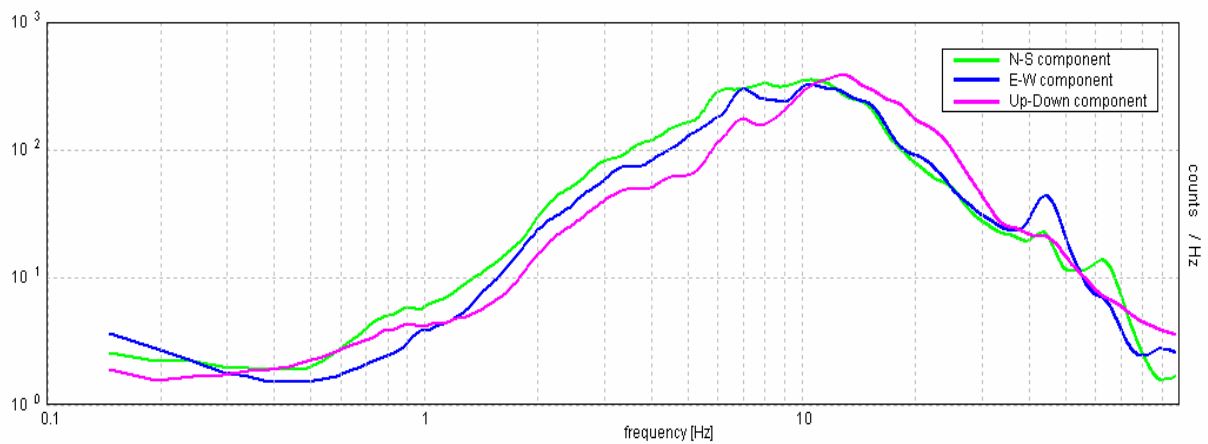
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

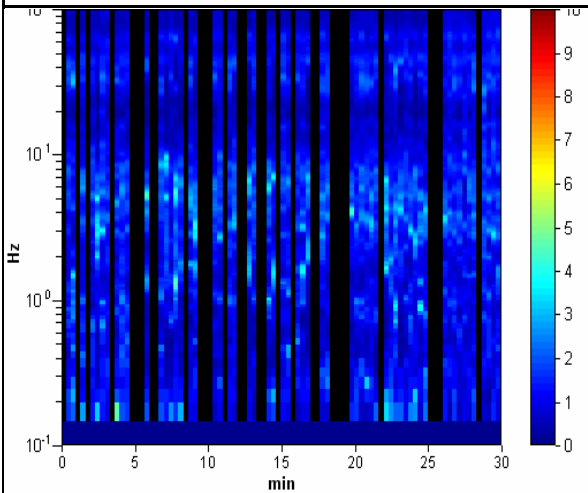
Max. HV at 5.18 ± 1.83 Hz. (In the range 0.0 - 18.0 Hz).



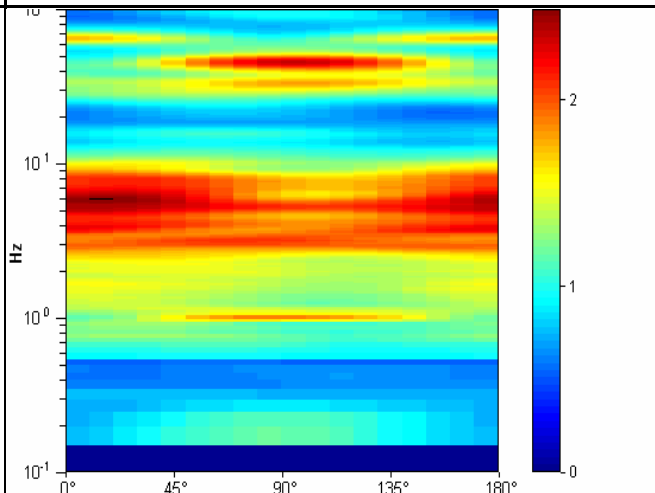
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H38

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 18-12-2013

CANTIERE: Sibano

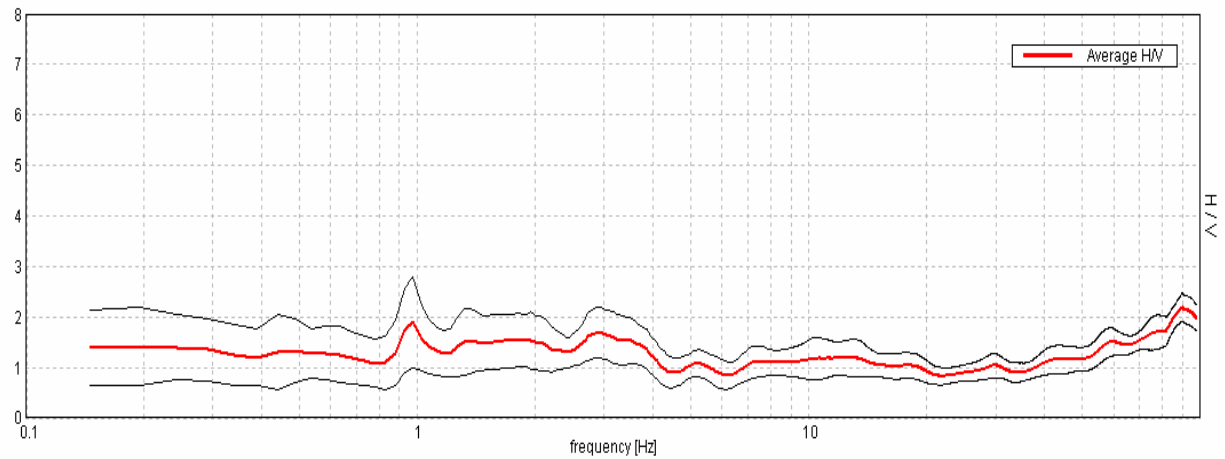
QUOTA: 183 m. s.l.m.

OPERATORI: Arbizzi A.

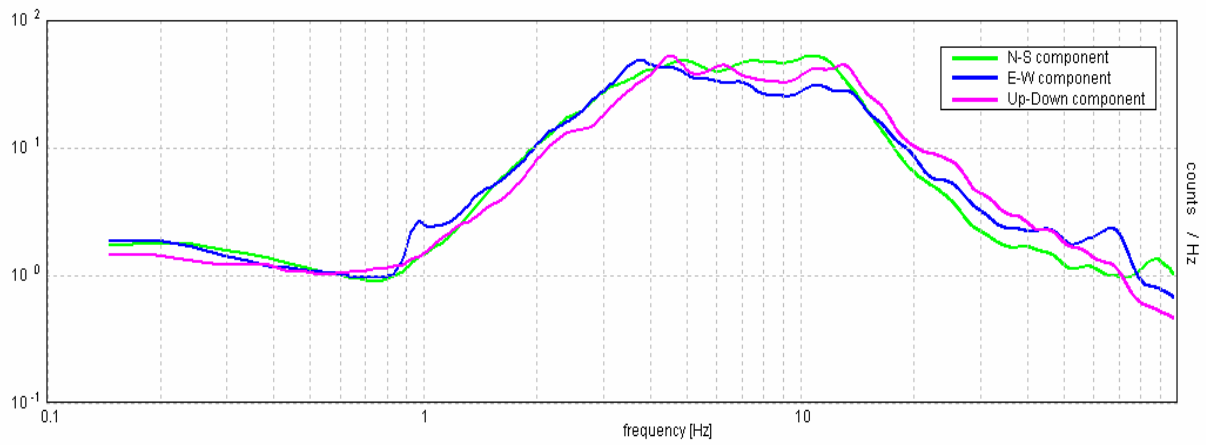
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

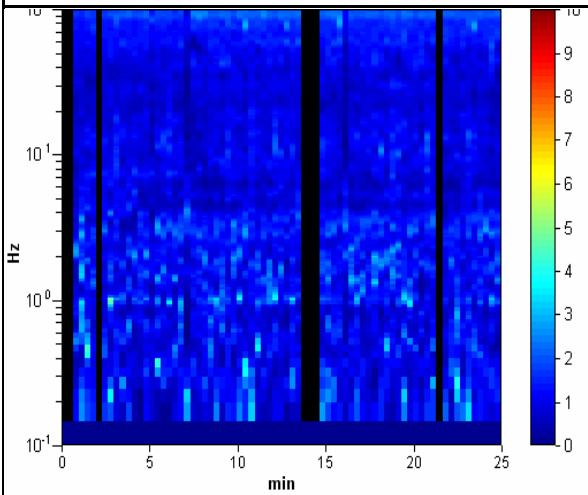
Max. HV at 0.98 ± 0.17 Hz. (In the range 0.0 - 18.0 Hz).



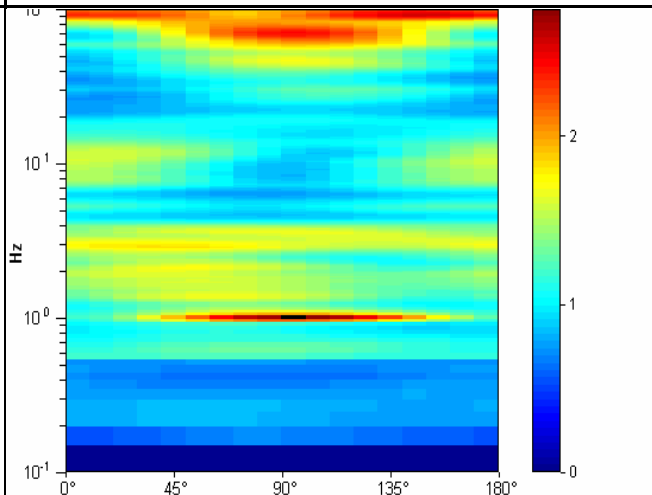
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H39

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 19-12-2013

CANTIERE: Sperticano

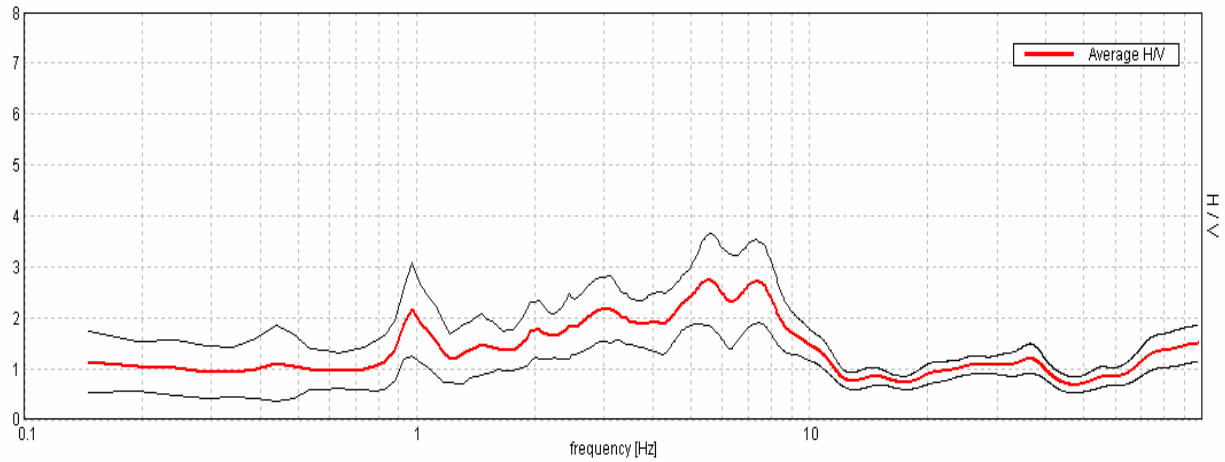
QUOTA: 170 m. s.l.m.

OPERATORI: Arbizzi A.

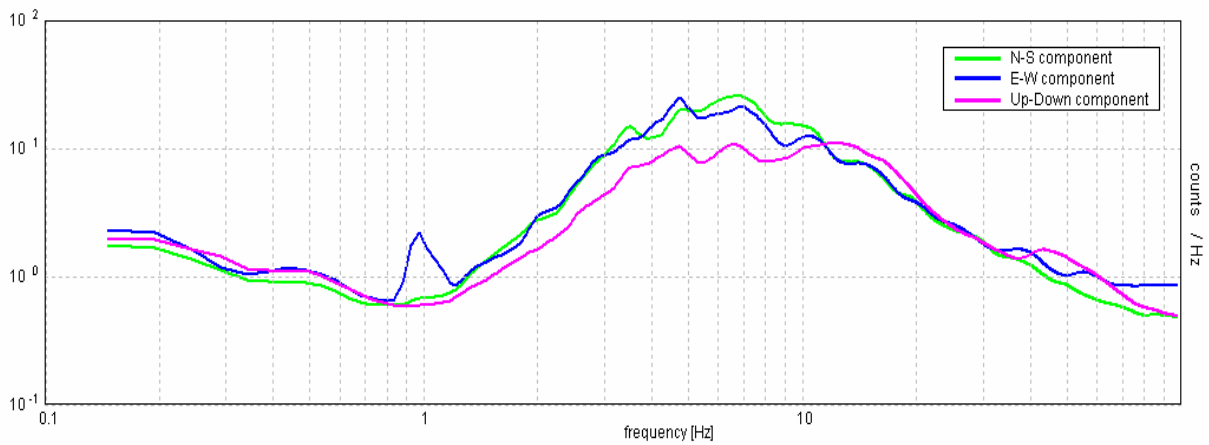
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

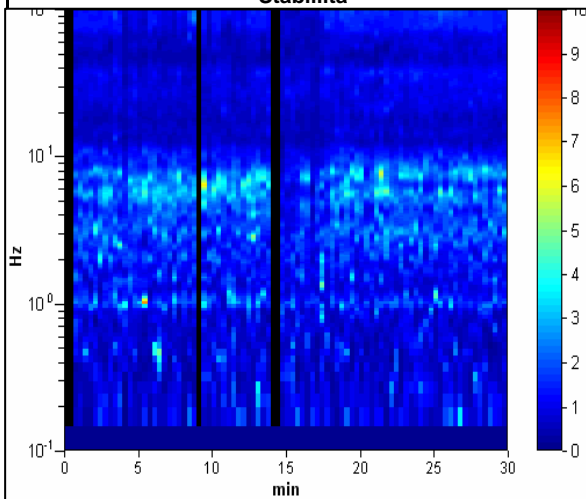
Max. HV at 5.57 ± 0.42 Hz. (In the range 0.0 - 18.0 Hz).



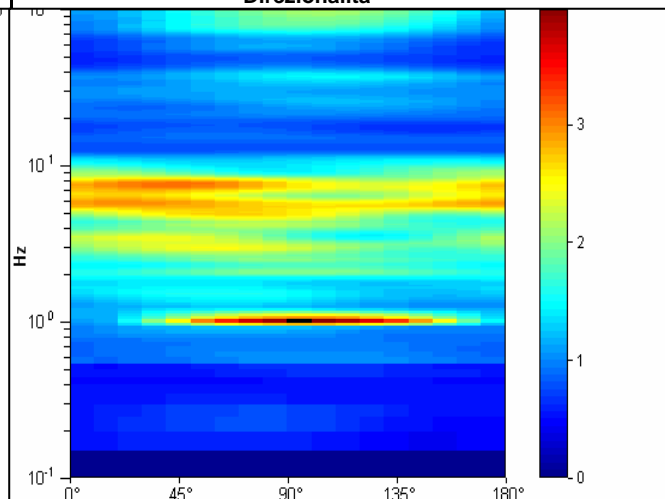
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H40

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 18-12-2013

CANTIERE: Sperticano

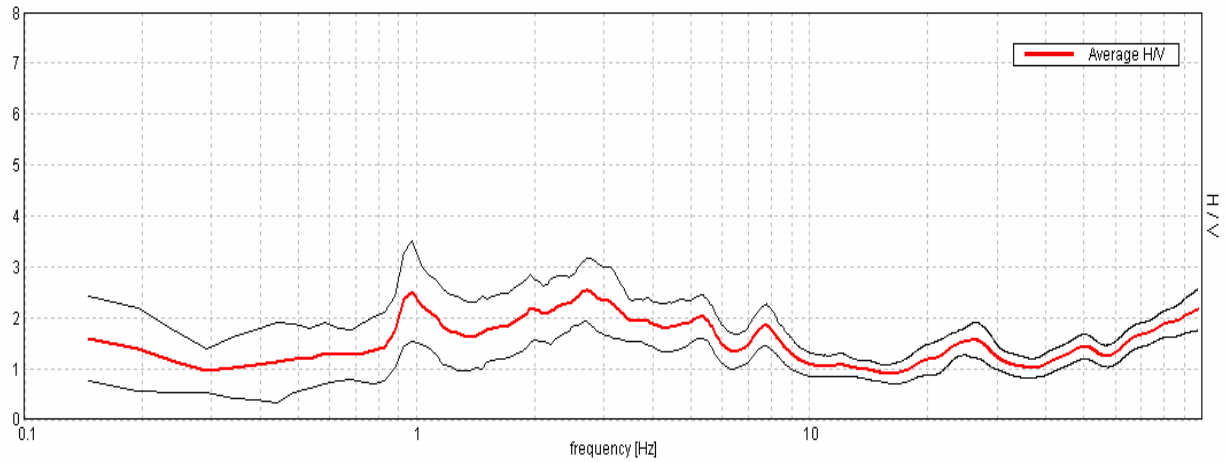
QUOTA: 215 m. s.l.m.

OPERATORI: Arbizzi A.

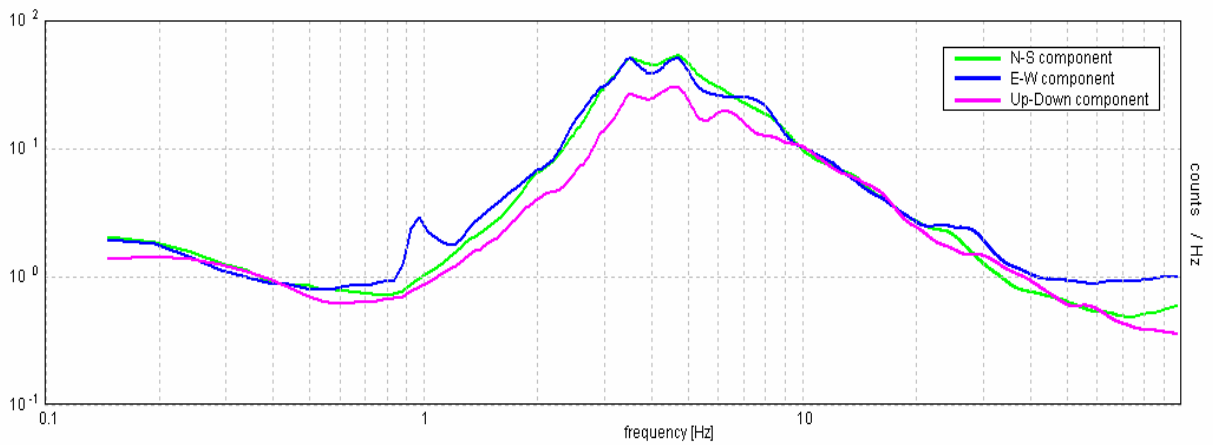
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

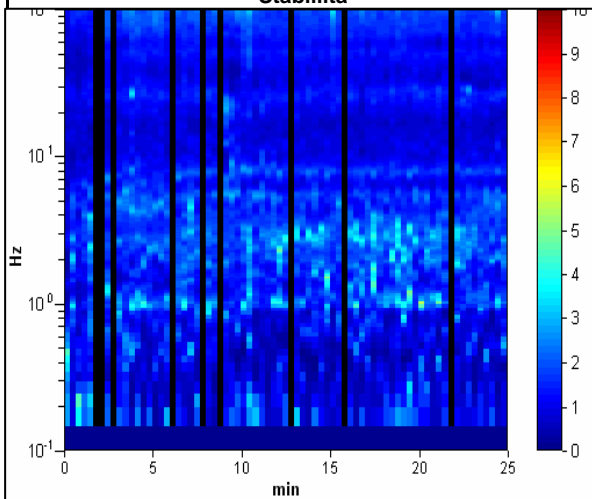
Max. HV at 2.73 ± 1.52 Hz. (In the range 0.0 - 18.0 Hz).



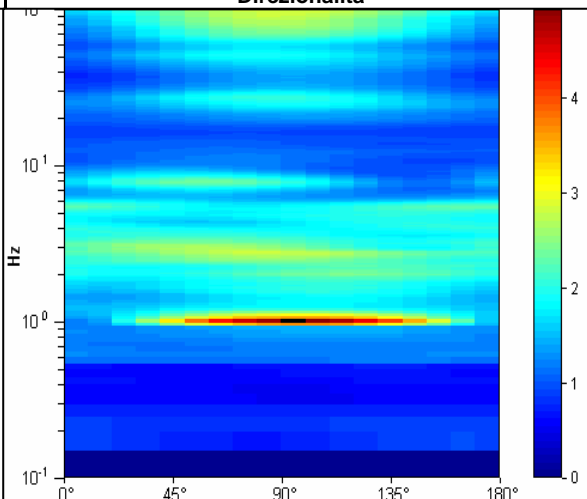
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H41

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 19-12-2013

CANTIERE: Cà Lamma

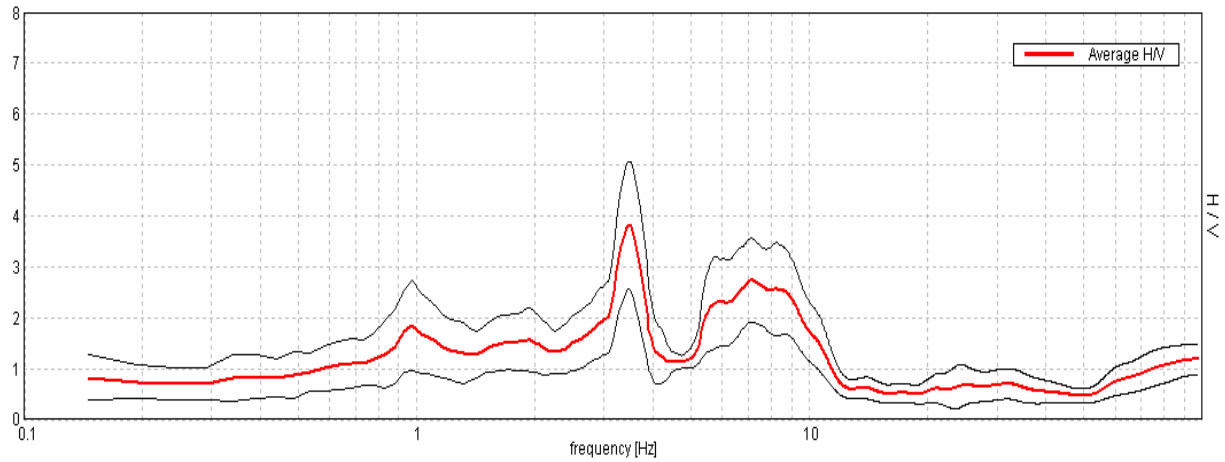
QUOTA: 215 m. s.l.m.

OPERATORI: Arbizzi A.

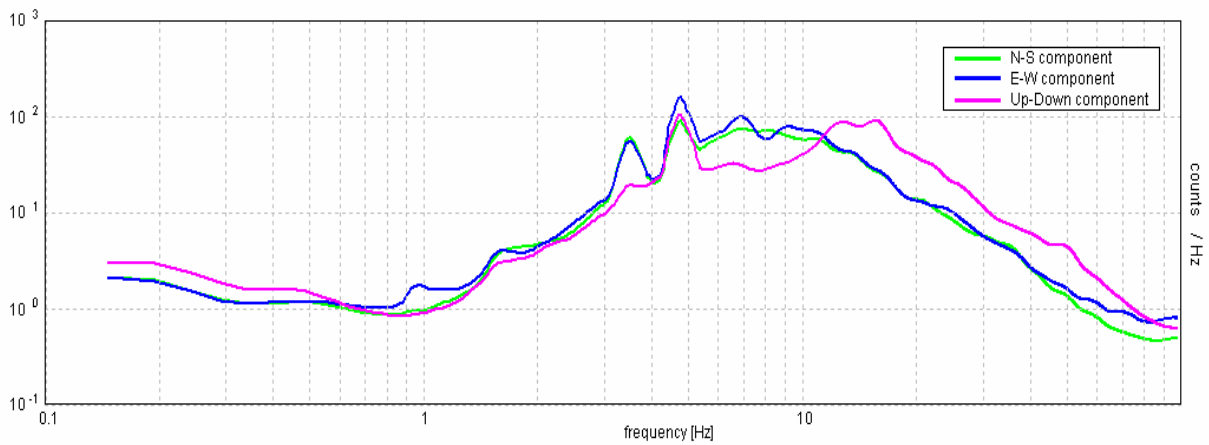
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

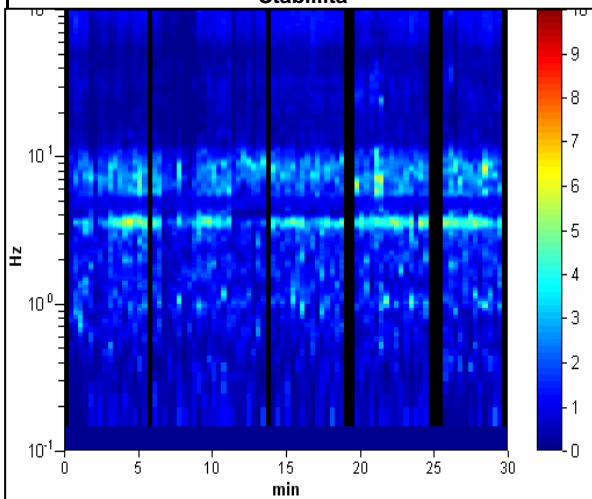
Max. HVV at 3.47 ± 1.16 Hz. (In the range 0.0 - 18.0 Hz).



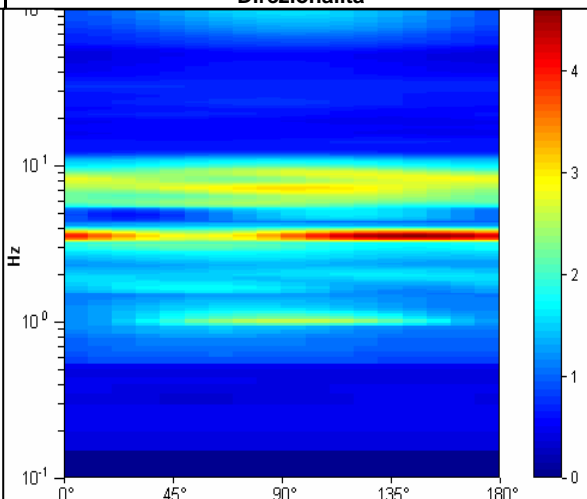
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H42

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 19-12-2013

CANTIERE: Gardelletta

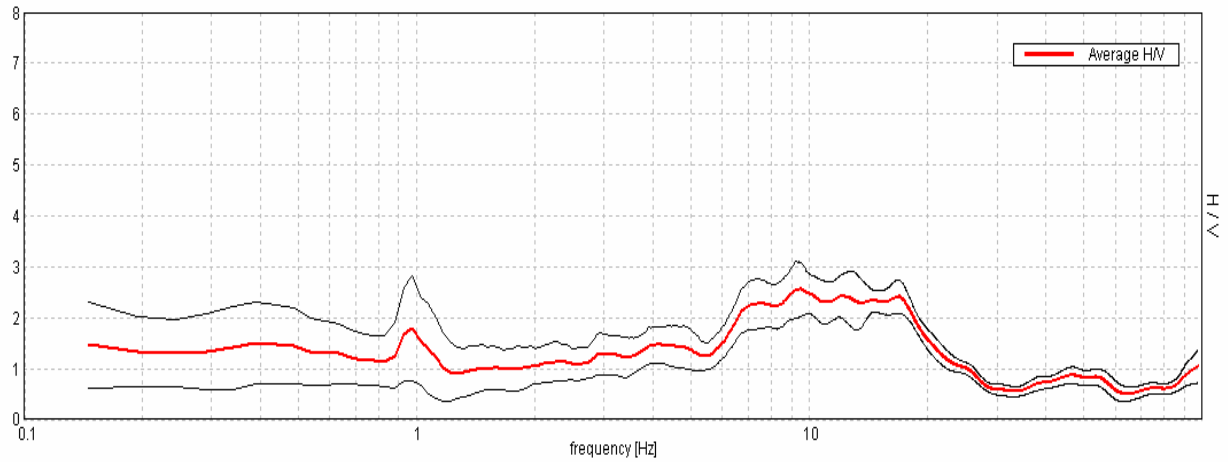
QUOTA: 185 m. s.l.m.

OPERATORI: Arbizzi A.

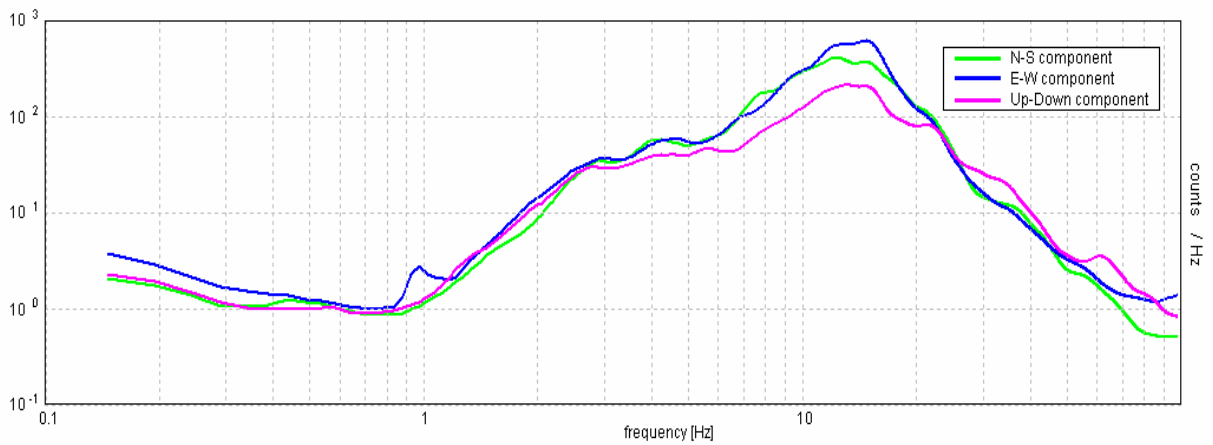
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

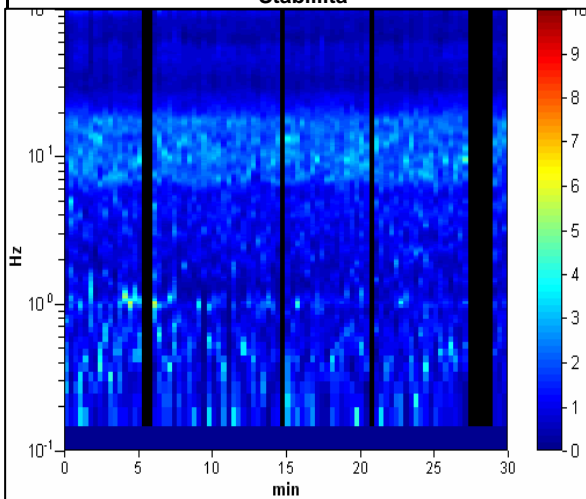
Max. HVV at 9.47 ± 2.44 Hz. (In the range 0.0 - 18.0 Hz).



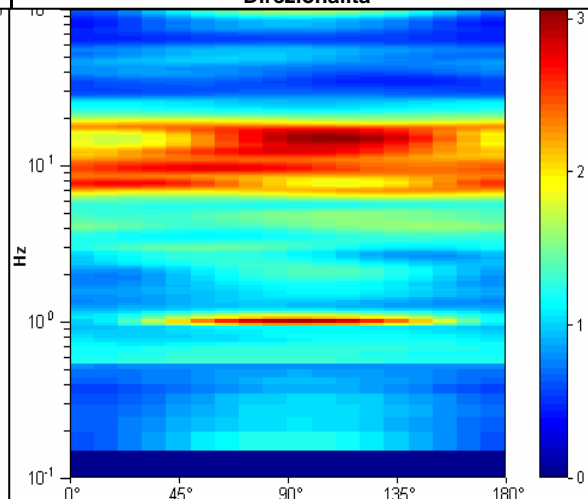
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H43

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 19-12-2013

CANTIERE: Gardelletta

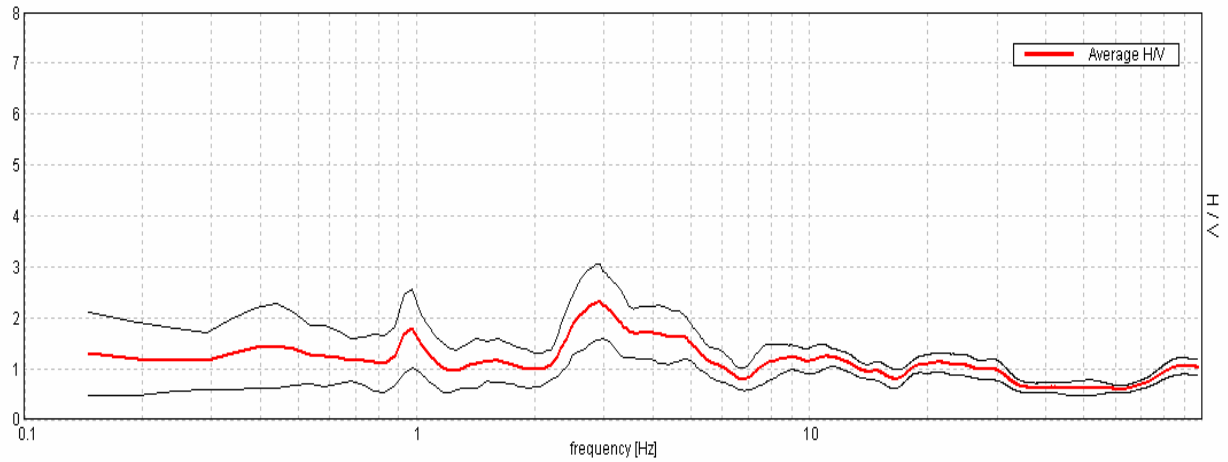
QUOTA: 180 m. s.l.m.

OPERATORI: Arbizzi A.

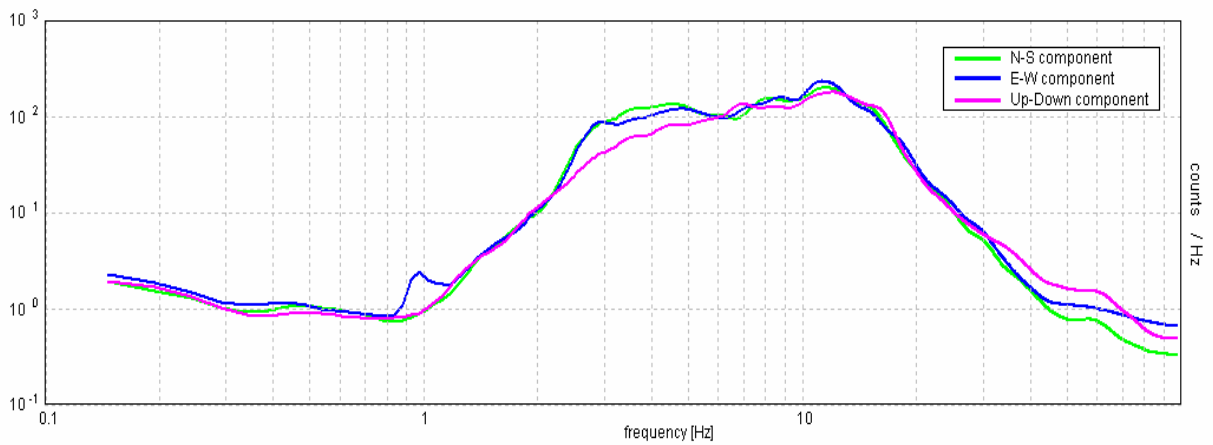
Strumentazione: Sara SR04 HS - 4,5 Hz - matricola N488

Rapporto spettrale

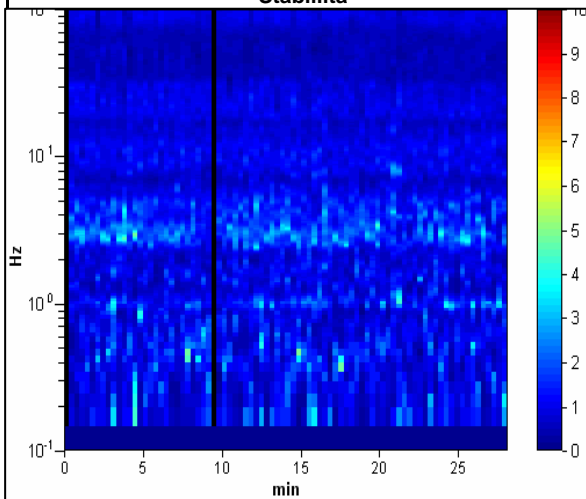
Max. HVV at 2.93 ± 0.1 Hz. (In the range 0.0 - 18.0 Hz).



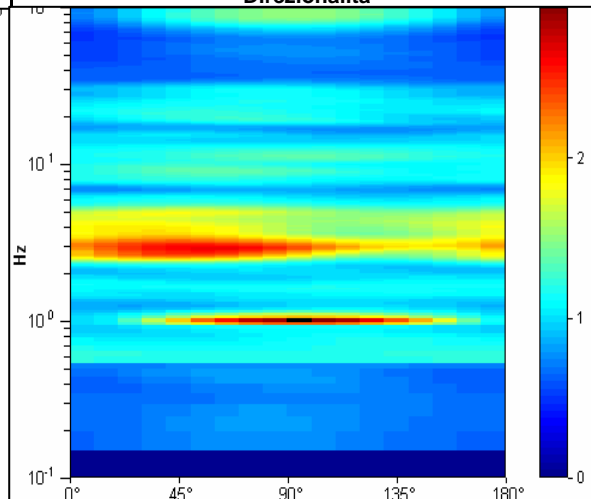
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H44

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-12-2013

CANTIERE: Sibano

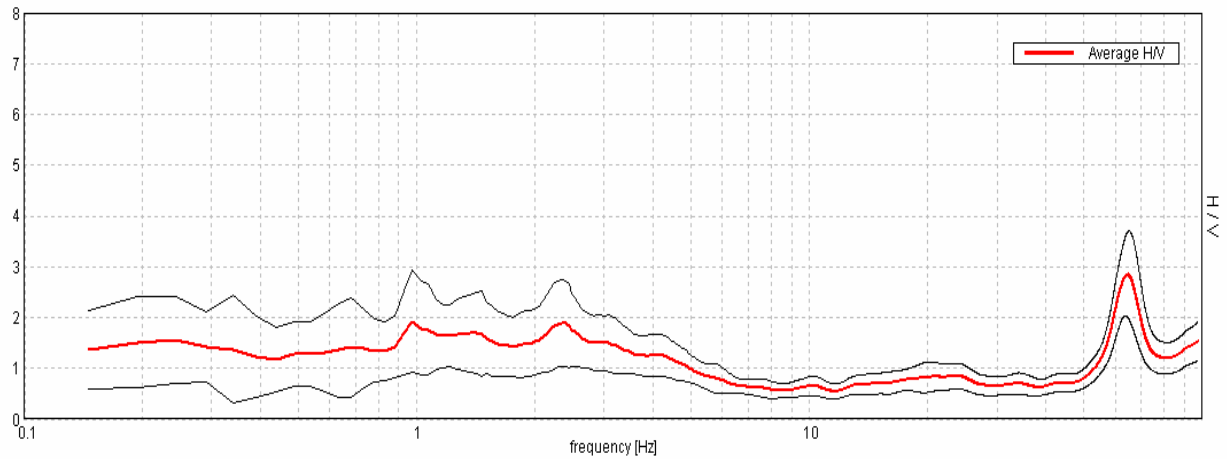
QUOTA: 155 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

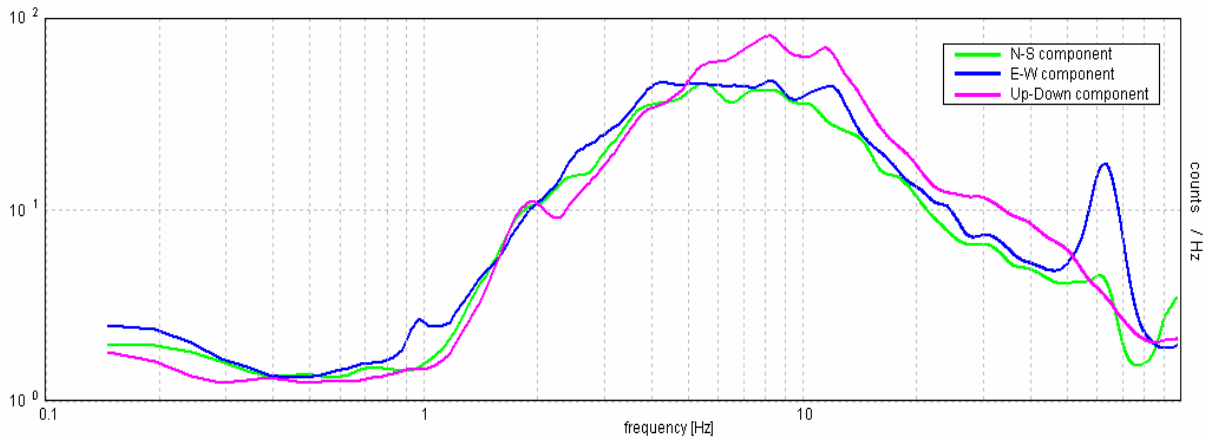
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

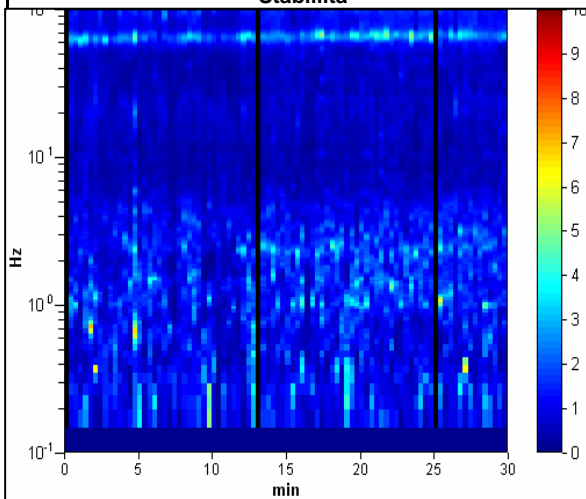
Max. HVV at 0.98 ± 0.54 Hz. (In the range 0.0 - 18.0 Hz).



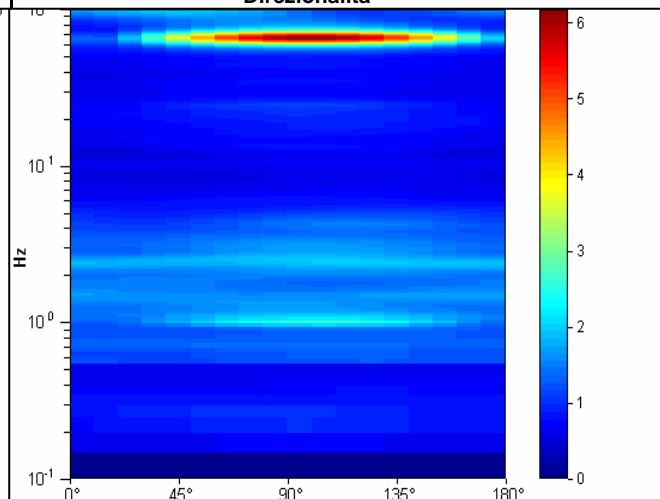
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H45

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 19-12-2013

CANTIERE: Sperticano

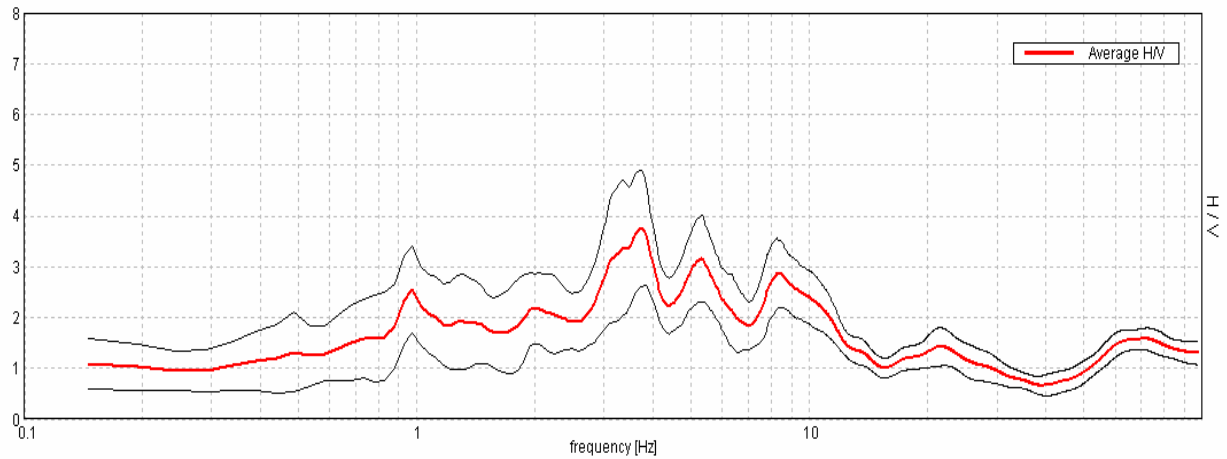
QUOTA: 160 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

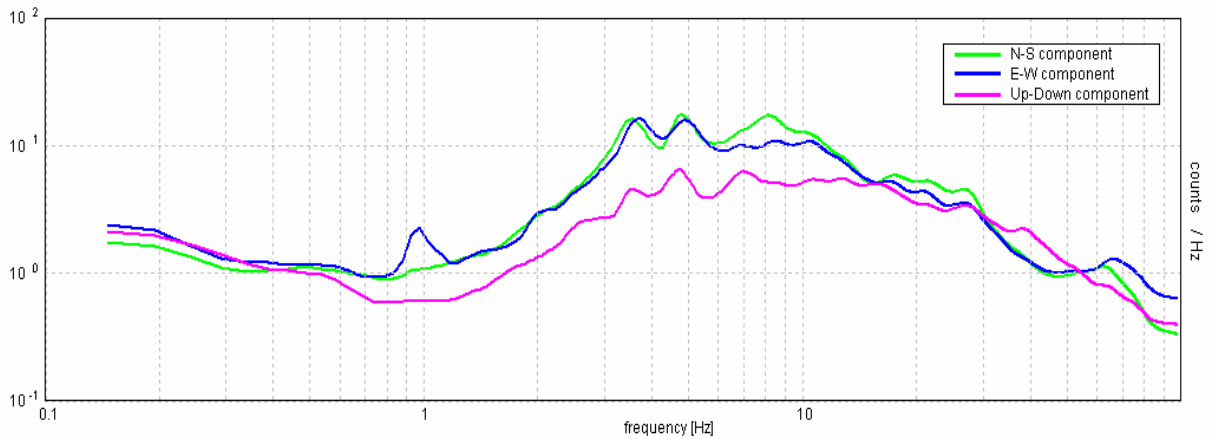
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

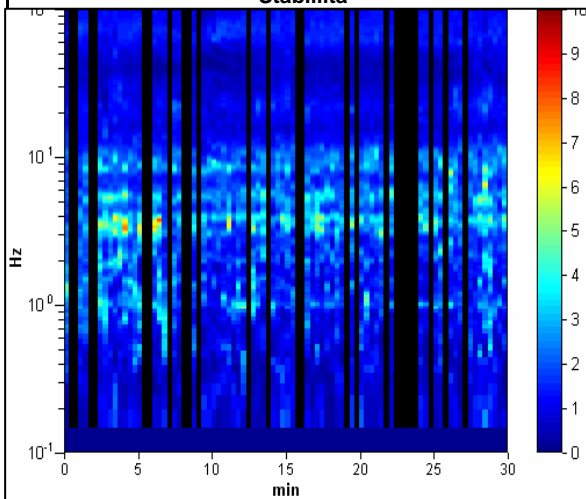
Max. HV at 3.71 ± 0.57 Hz. (In the range 0.0 - 18.0 Hz).



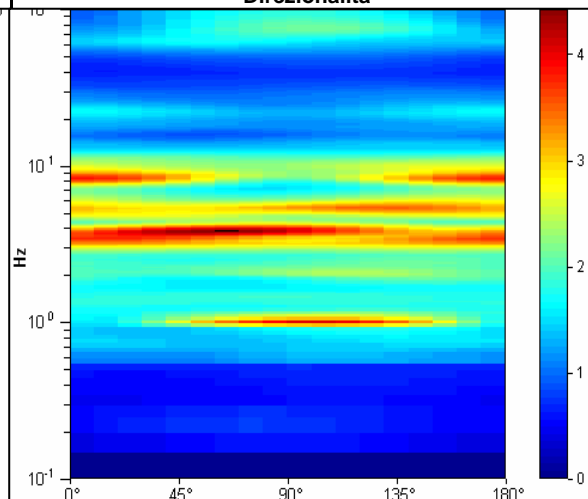
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H46

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-12-2013

CANTIERE: Pian di Venola

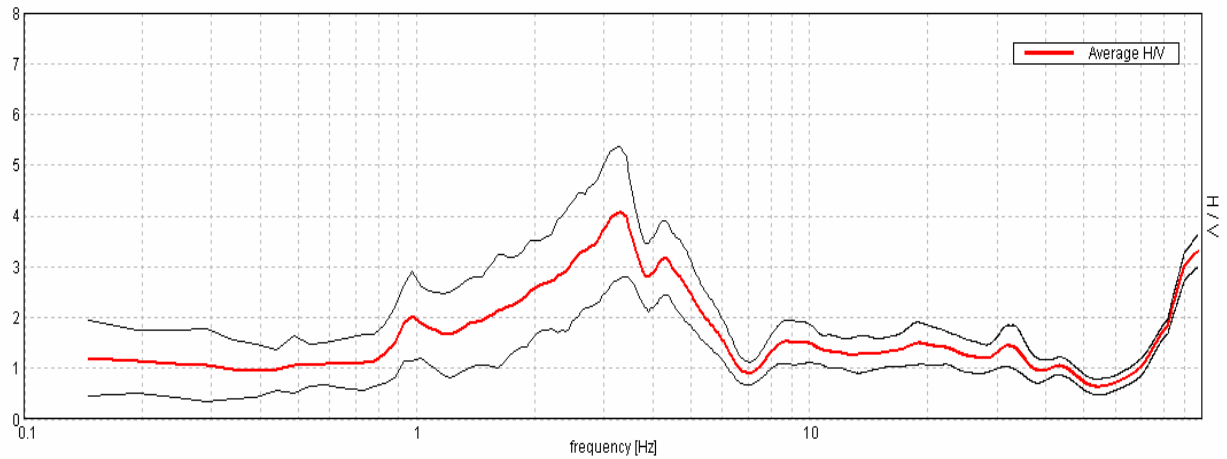
QUOTA: 160 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

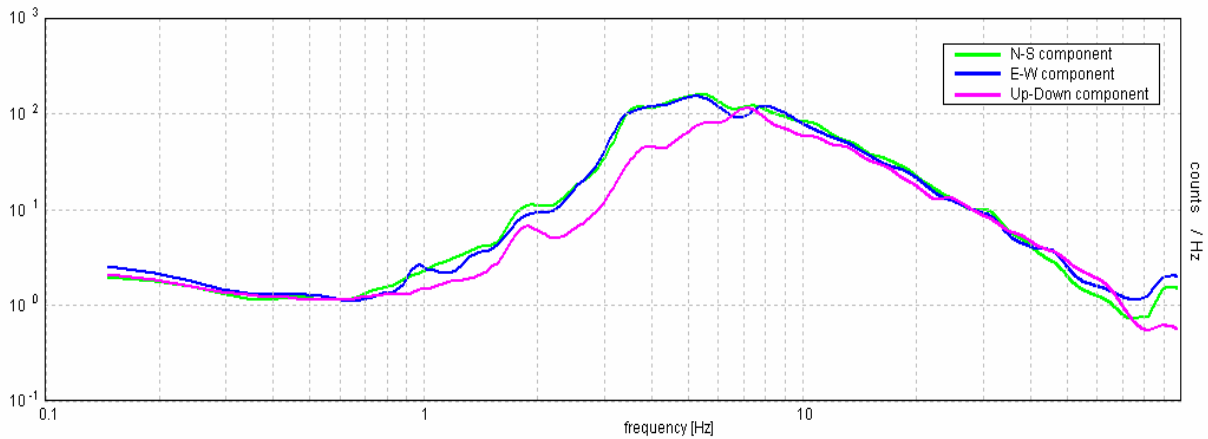
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

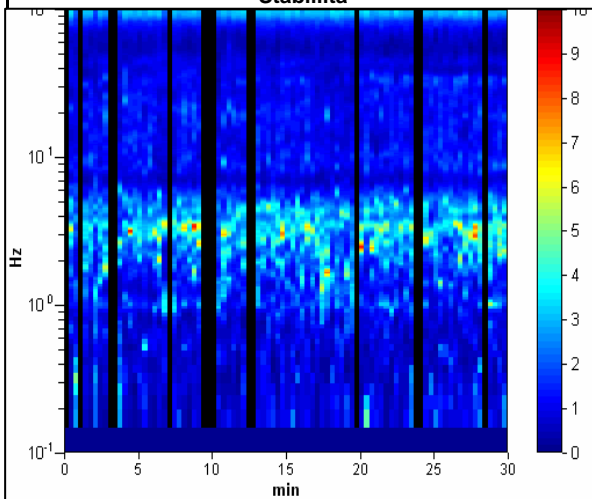
Max. HV at 3.27 ± 0.09 Hz. (In the range 0.0 - 18.0 Hz).



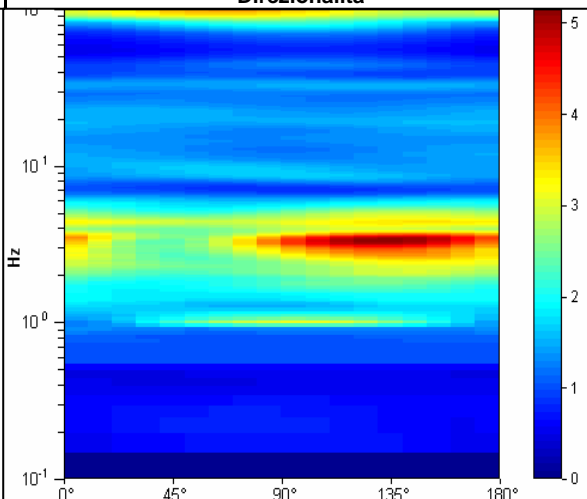
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H47

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-12-2013

CANTIERE: Marzabotto

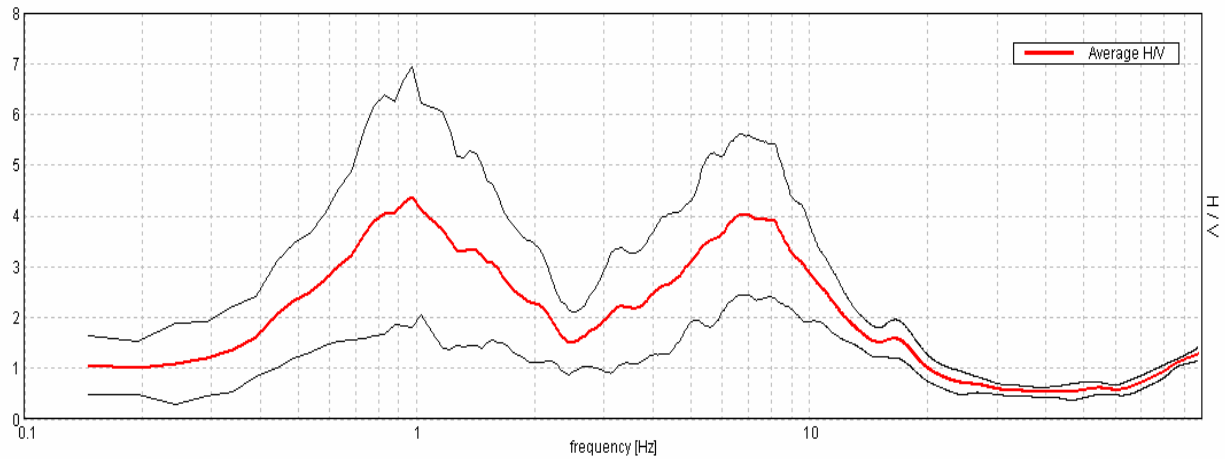
QUOTA: 160 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

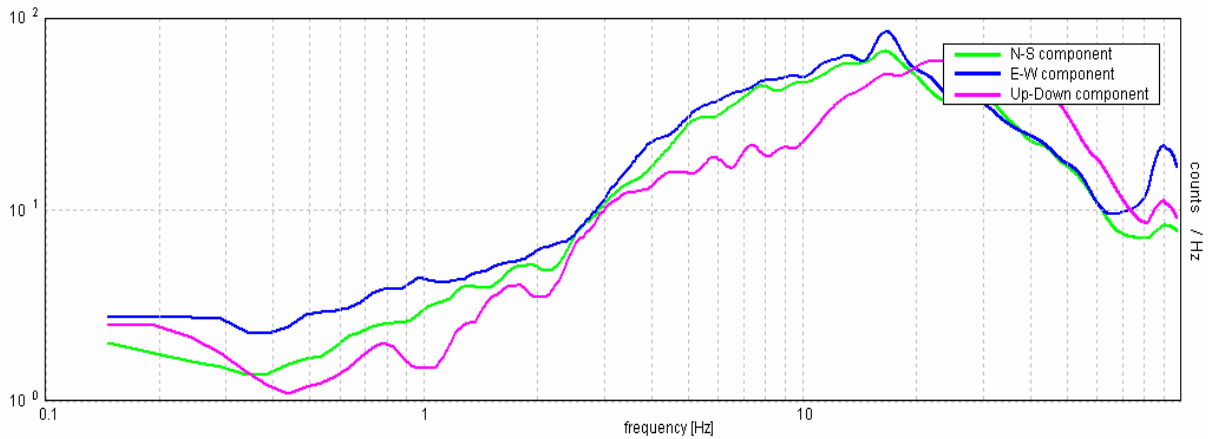
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

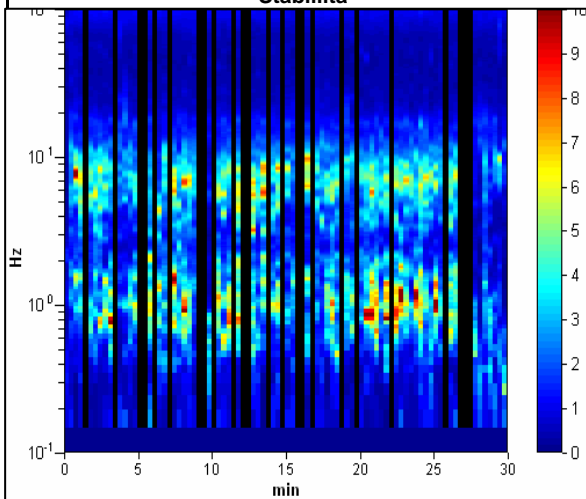
Max. HVV at 0.98 ± 5.43 Hz. (In the range 0.0 - 18.0 Hz).



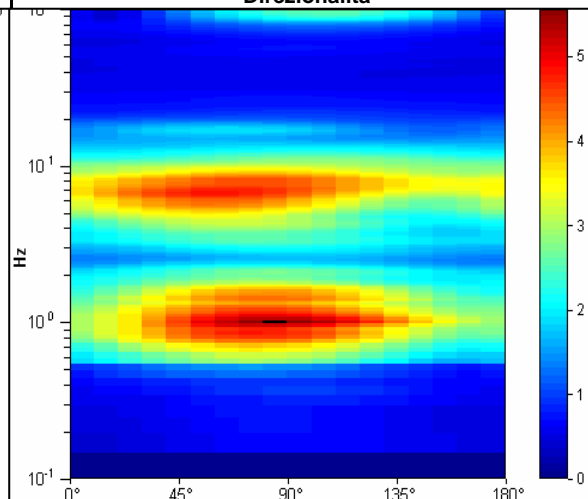
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H48

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-12-2013

CANTIERE: Panico

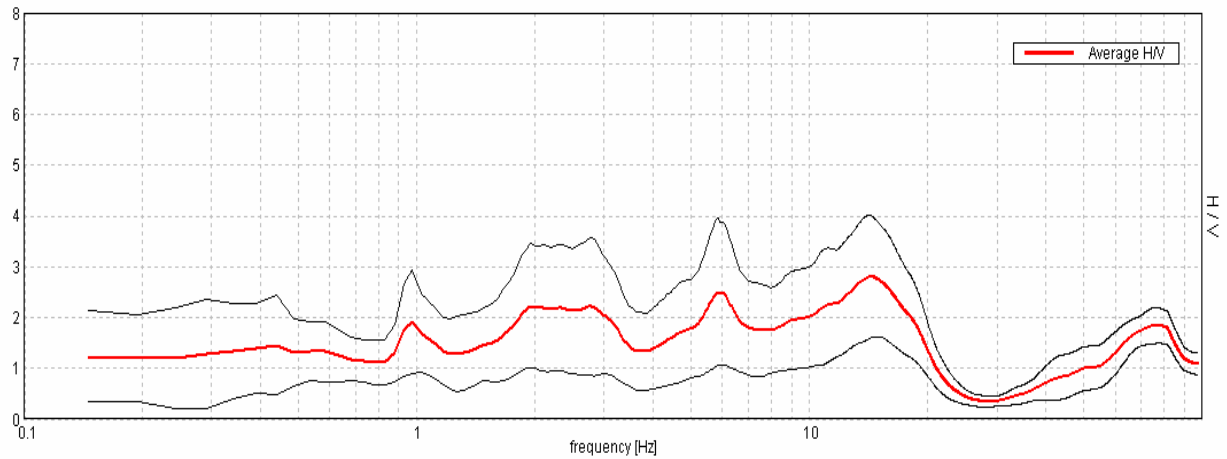
QUOTA: 160 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

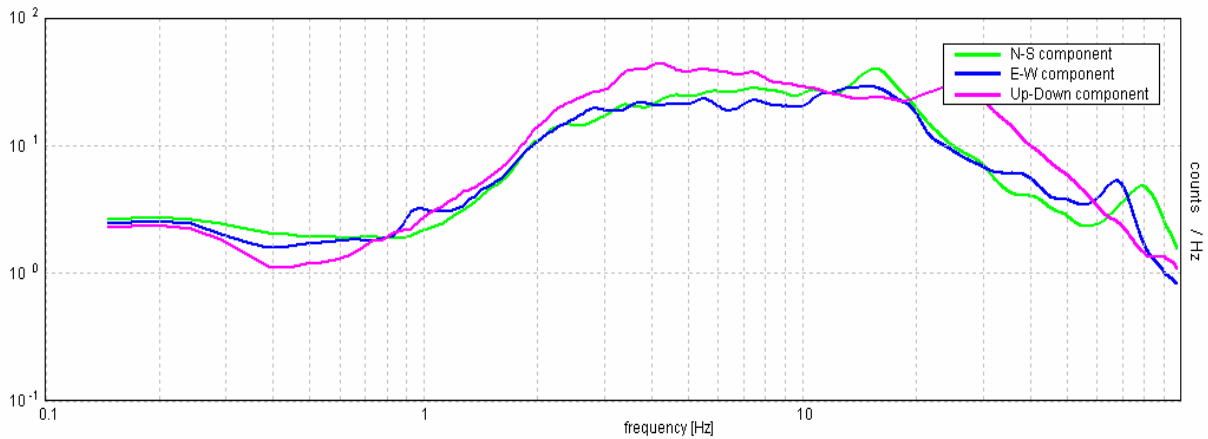
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

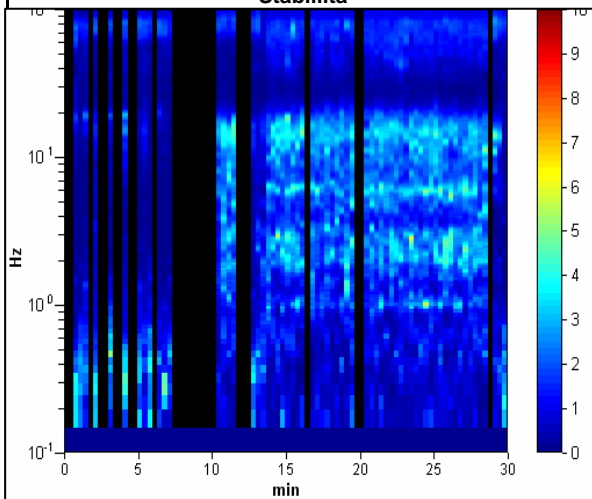
Max. H/V at 14.31 ± 8.59 Hz. (In the range 0.0 - 18.0 Hz).



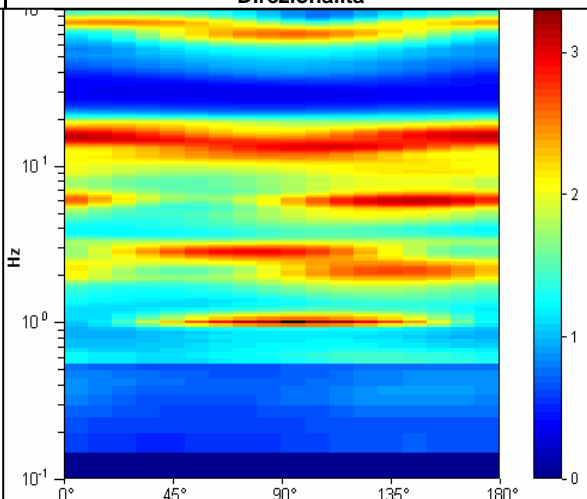
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H49

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-12-2013

CANTIERE: La Cà

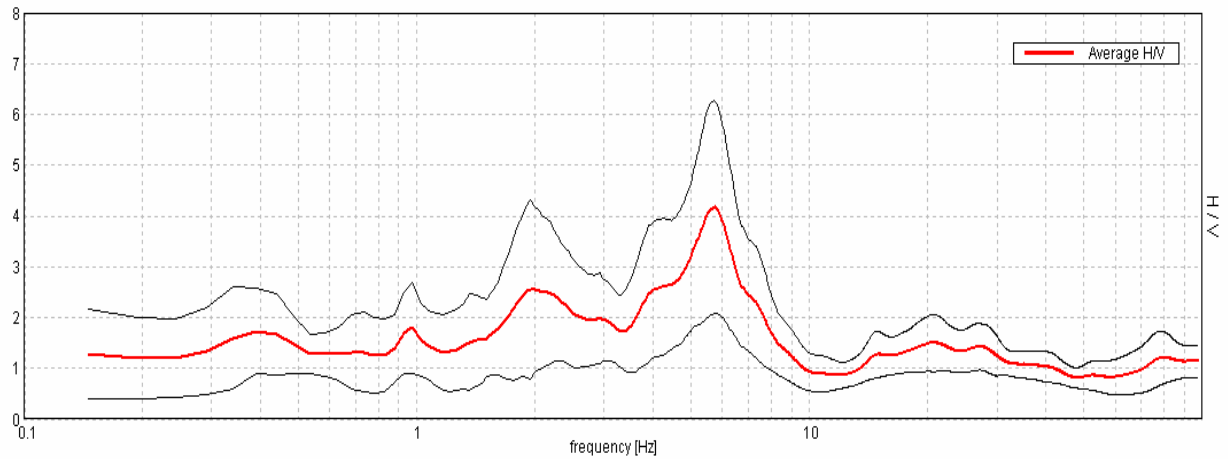
QUOTA: 150 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

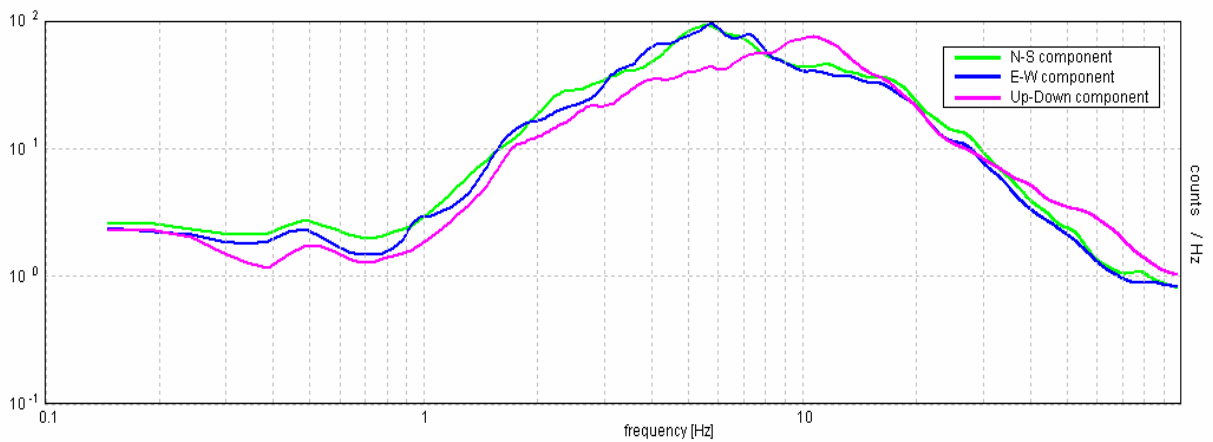
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

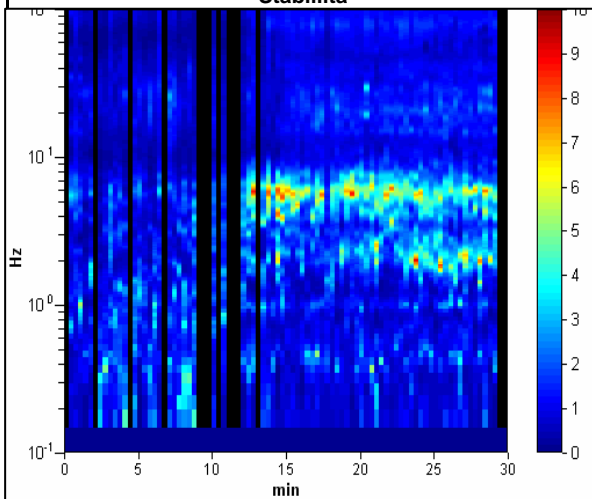
Max. HV at 5.71 ± 1.55 Hz. (In the range 0.0 - 18.0 Hz).



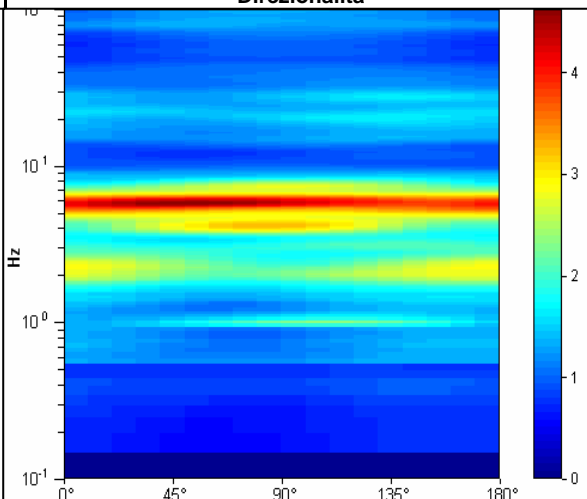
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H50

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 23-12-2013

CANTIERE: Sirano

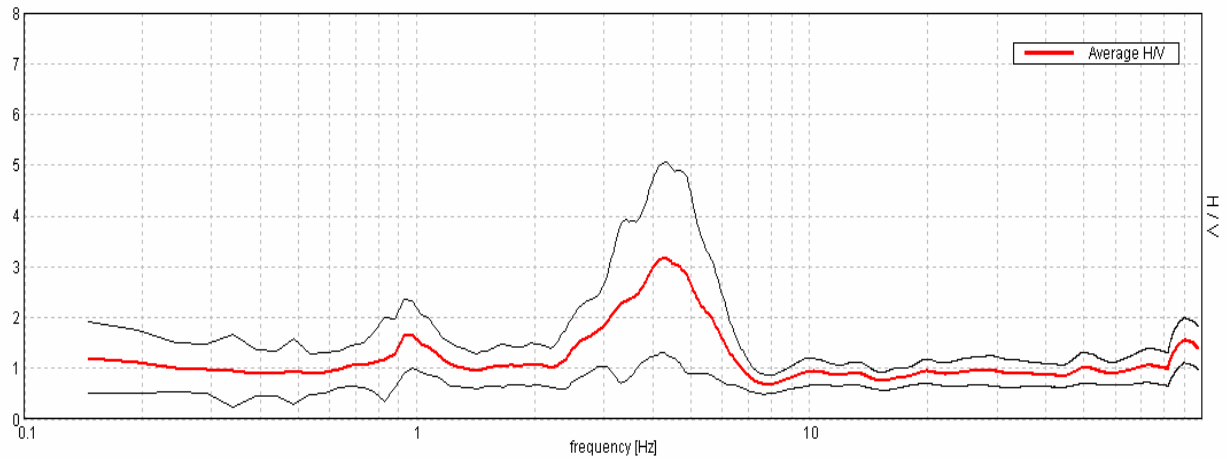
QUOTA: 160 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

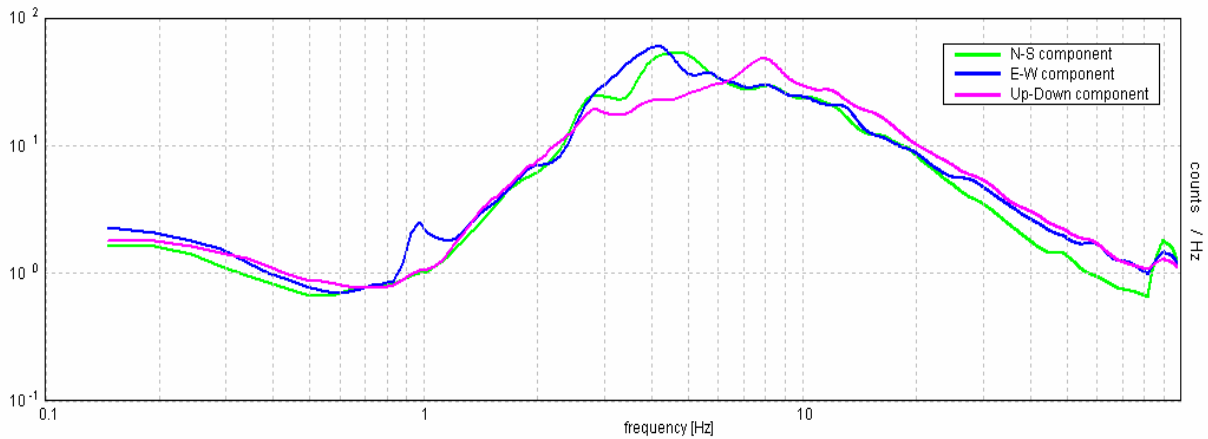
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

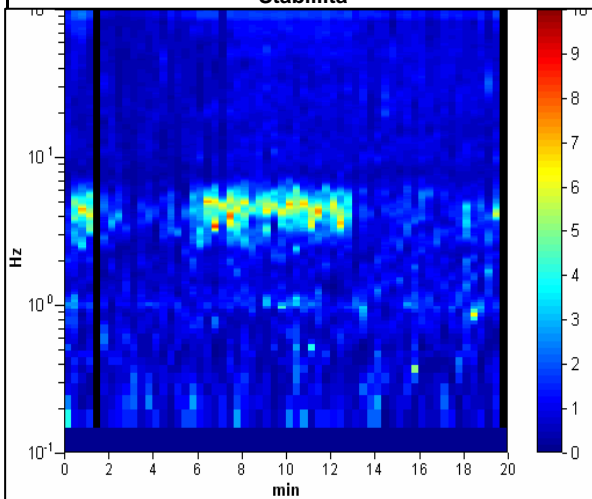
Max. HV at 4.25 ± 0.55 Hz. (In the range 0.0 - 18.0 Hz).



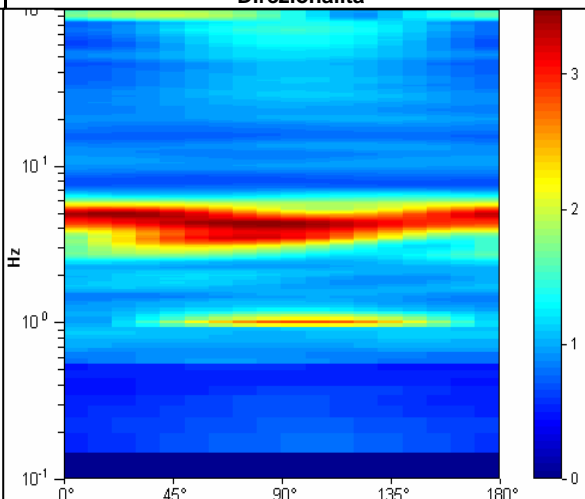
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H51

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 08-04-2014

CANTIERE: Pian di Venola

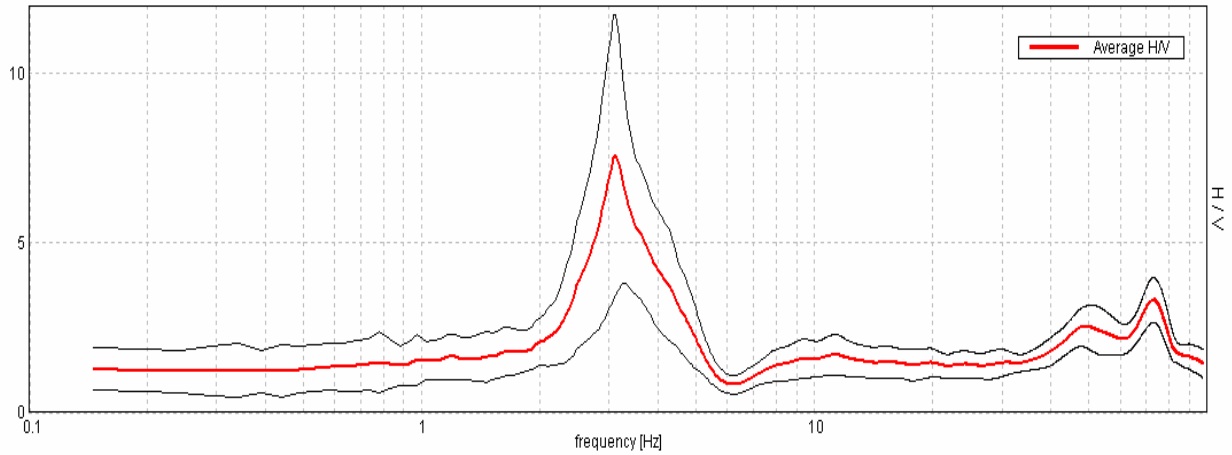
QUOTA: 157 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

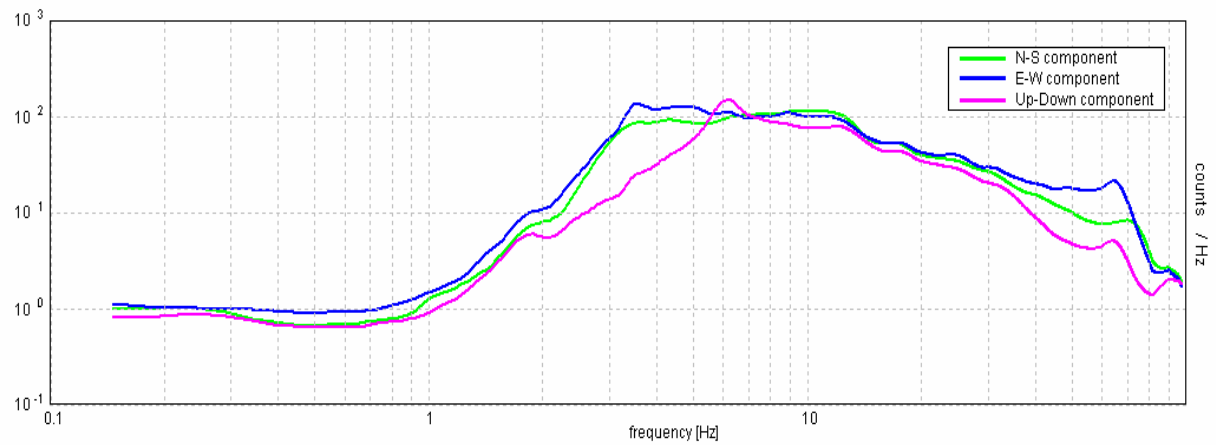
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

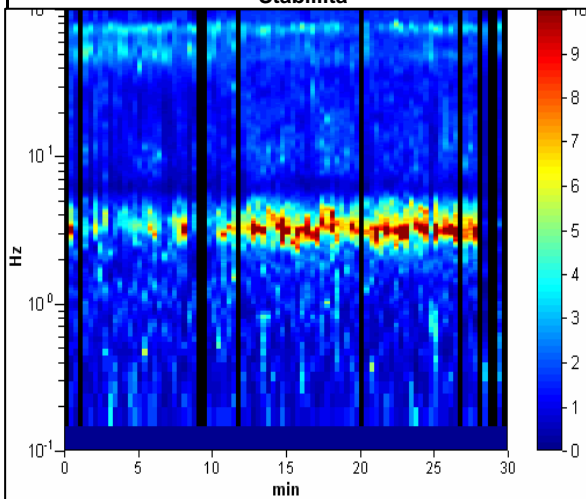
Max. HV at 3.13 ± 0.05 Hz. (In the range 0.4 - 18.0 Hz).



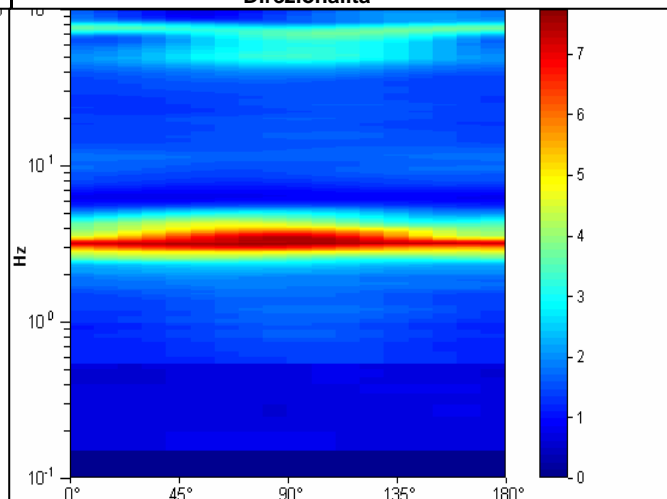
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H52

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 08-04-2014

CANTIERE: Pian di Venola

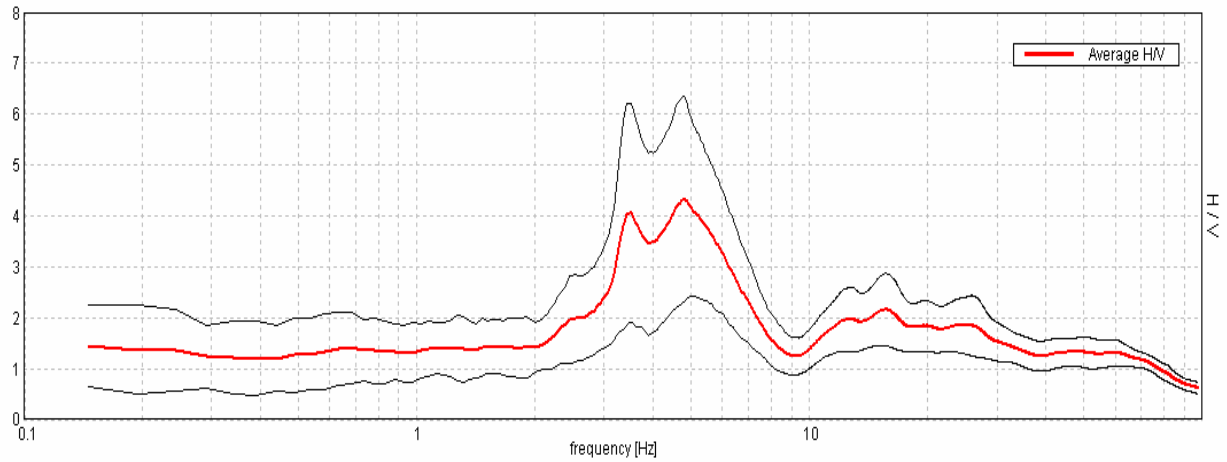
QUOTA: 149 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

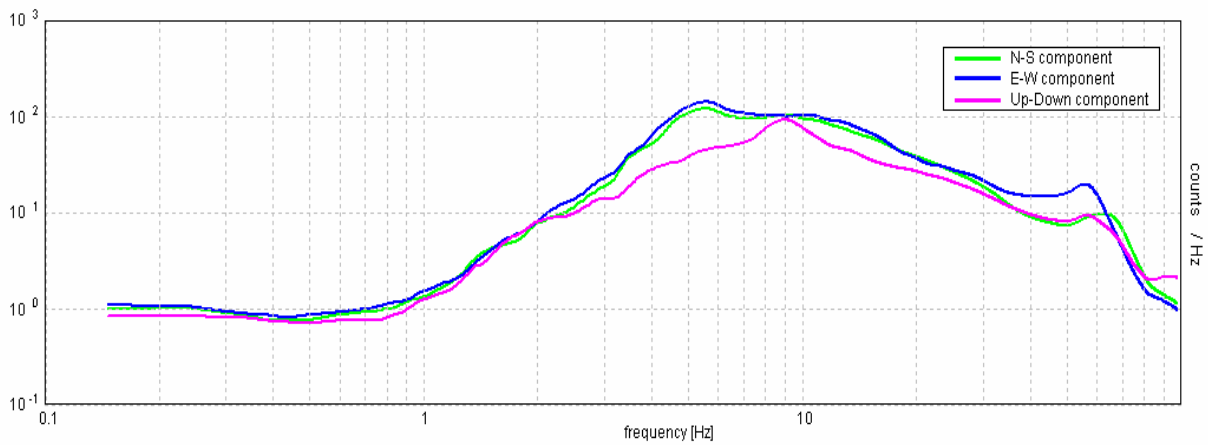
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

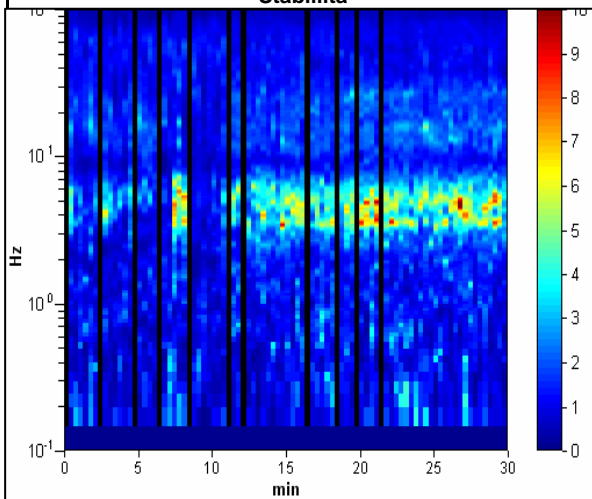
Max. HV at 4.83 ± 0.26 Hz. (In the range 0.4 - 18.0 Hz).



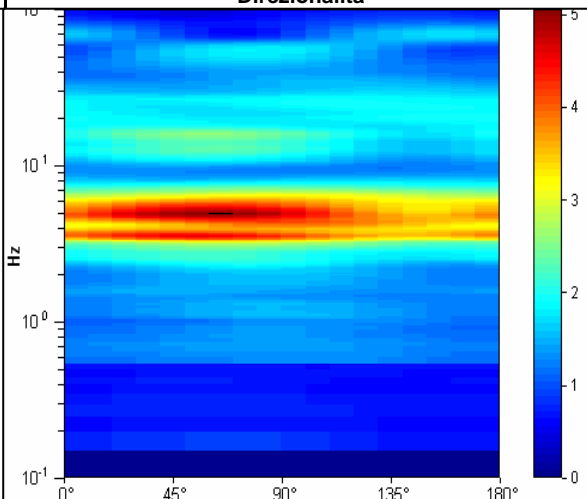
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H53

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 08-04-2014

CANTIERE: Pian di Venola

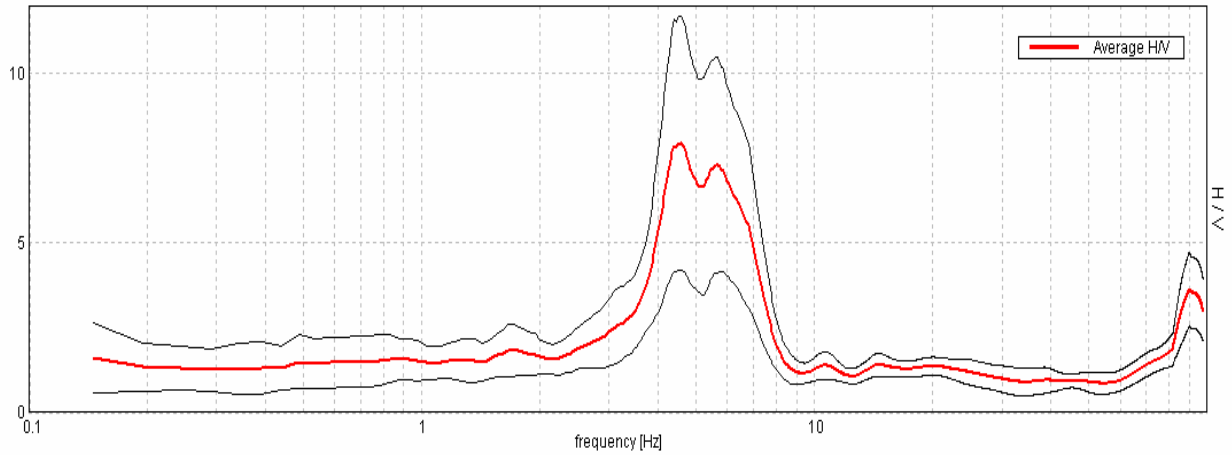
QUOTA: 144 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

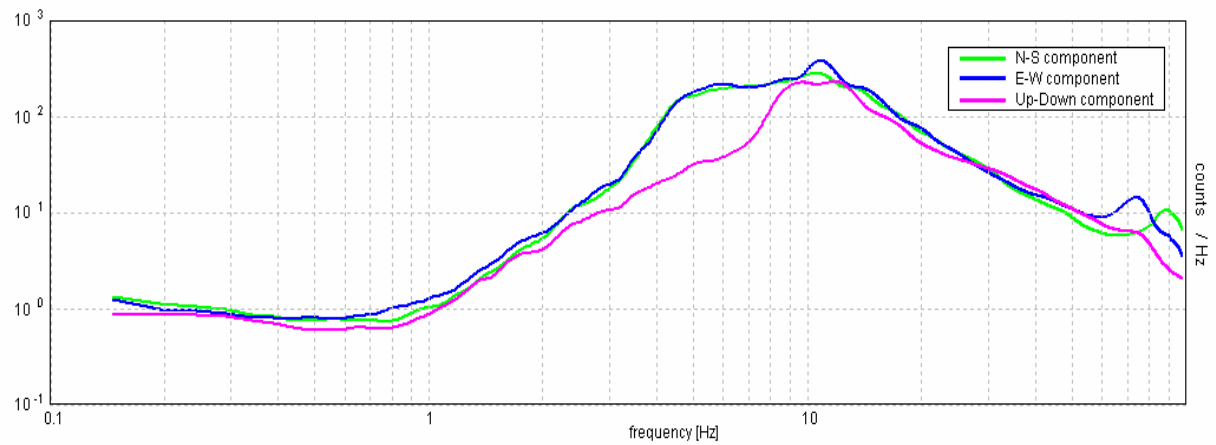
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

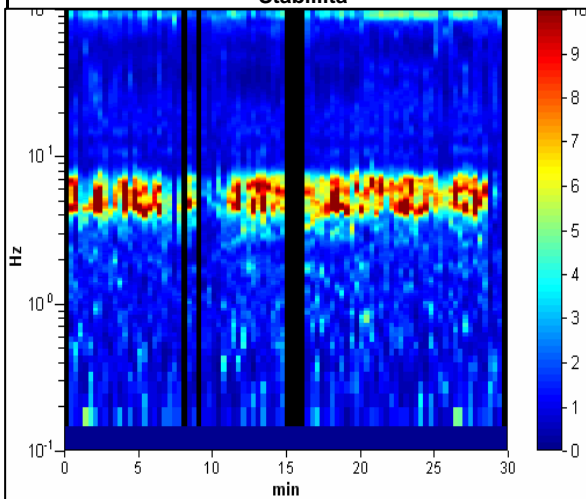
Max. HVV at 4.54 ± 0.08 Hz. (In the range 0.4 - 18.0 Hz).



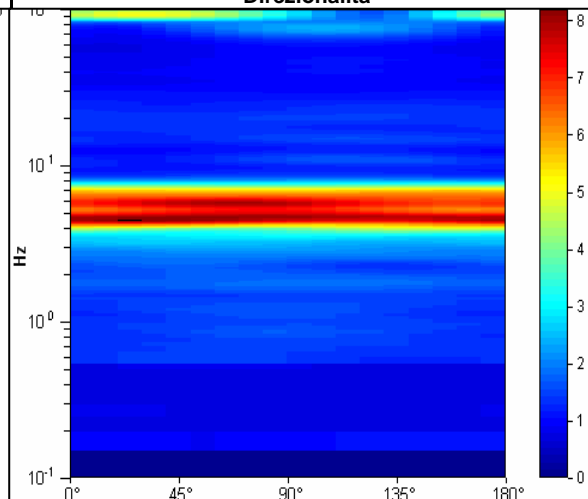
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H54

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 08-04-2014

CANTIERE: Sasdello

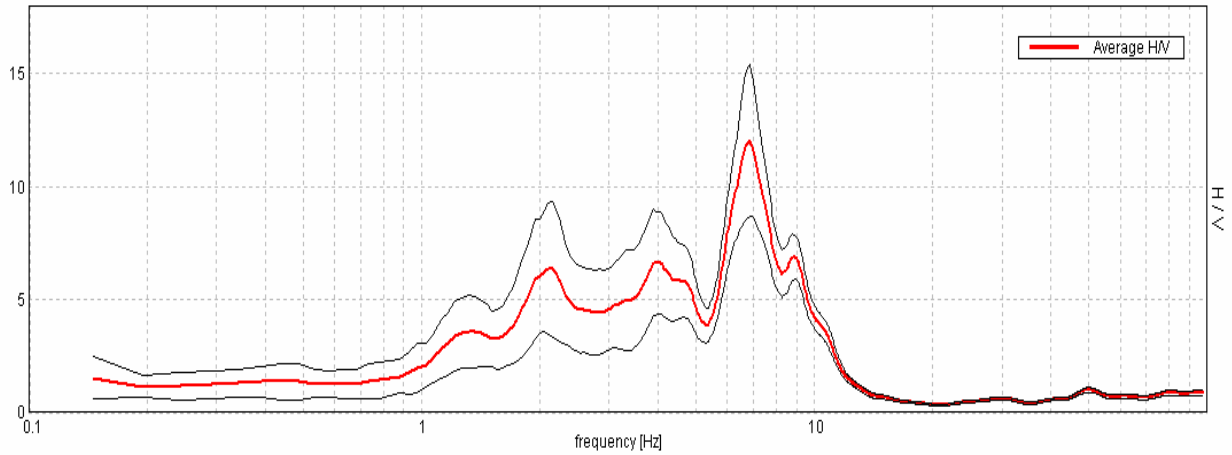
QUOTA: 126 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

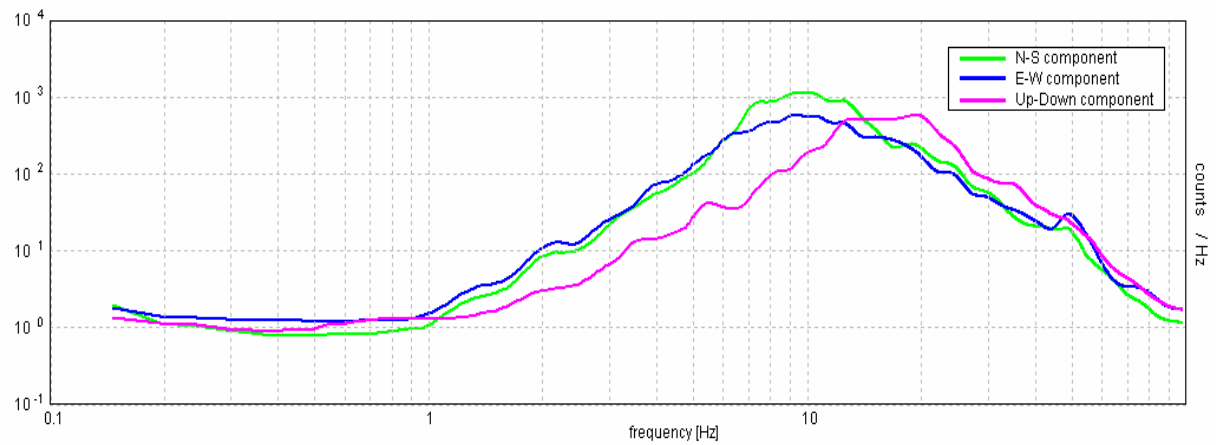
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

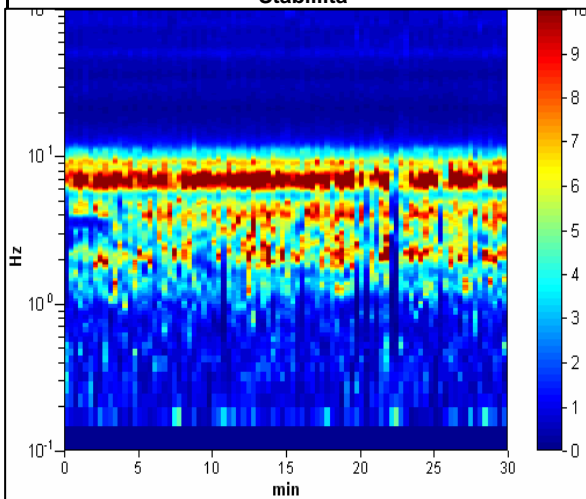
Max. HV at 6.84 ± 0.05 Hz. (In the range 0.4 - 18.0 Hz).



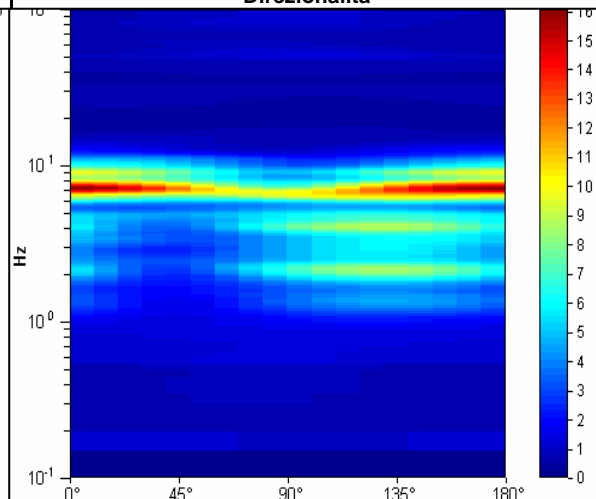
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H55

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 08-04-2014

CANTIERE: Sasdello

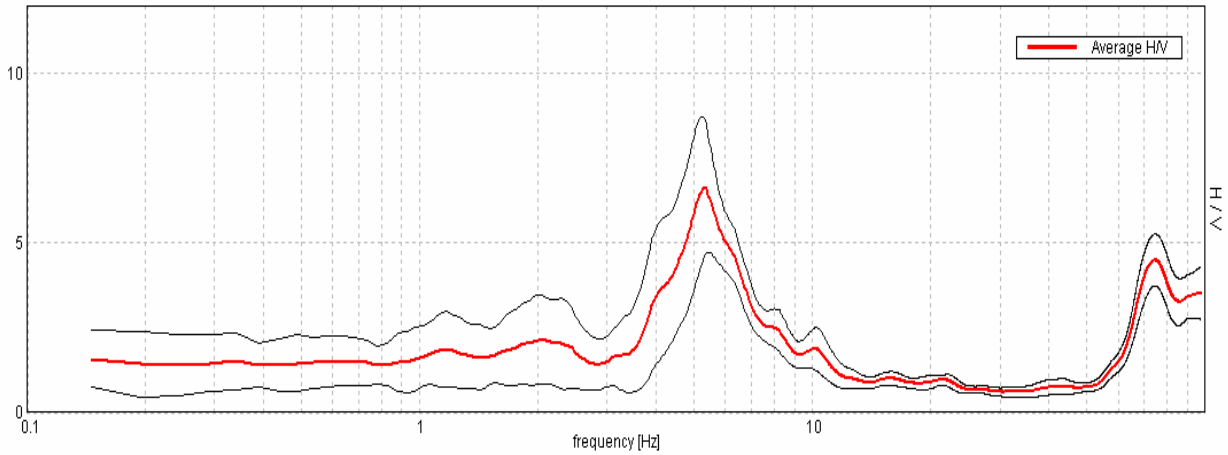
QUOTA: 135 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

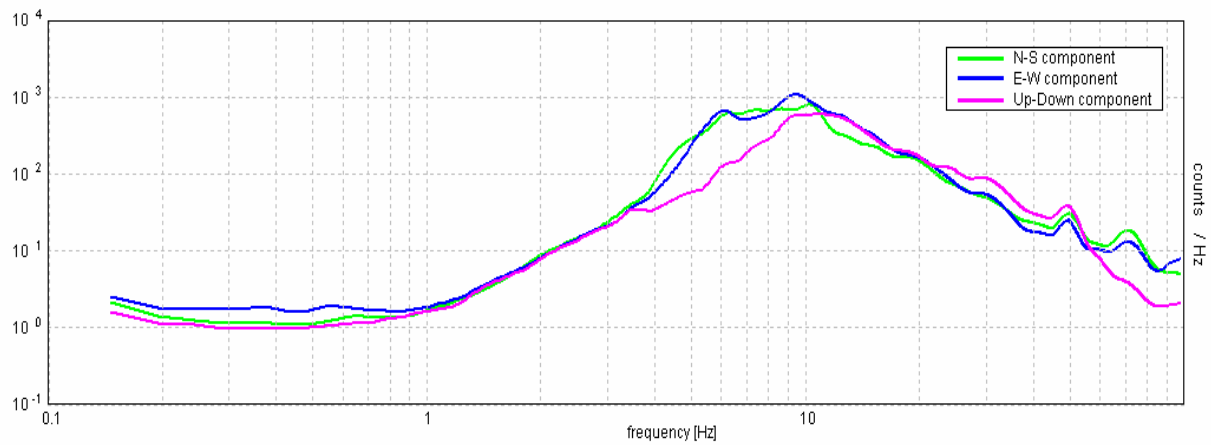
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

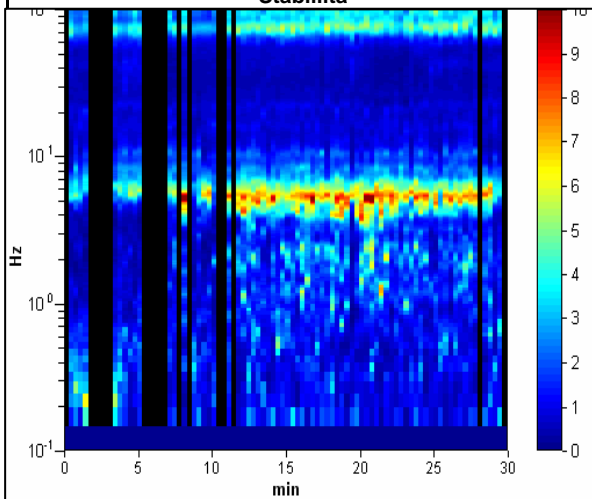
Max. HV at 5.32 ± 0.24 Hz. (In the range 0.4 - 18.0 Hz).



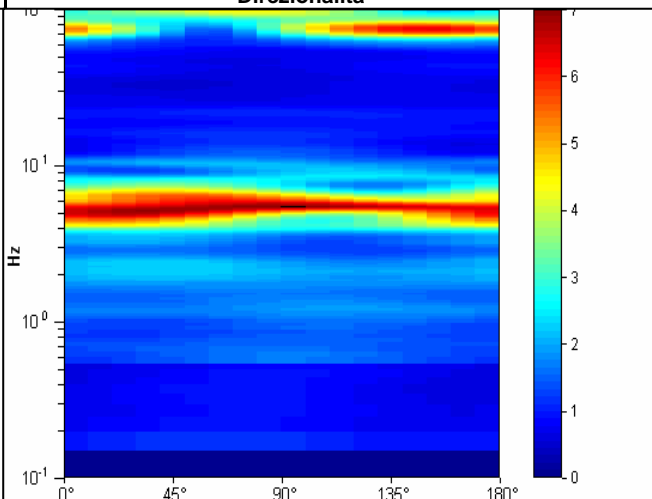
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S. Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H56

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 08-04-2014

CANTIERE: Sasdello

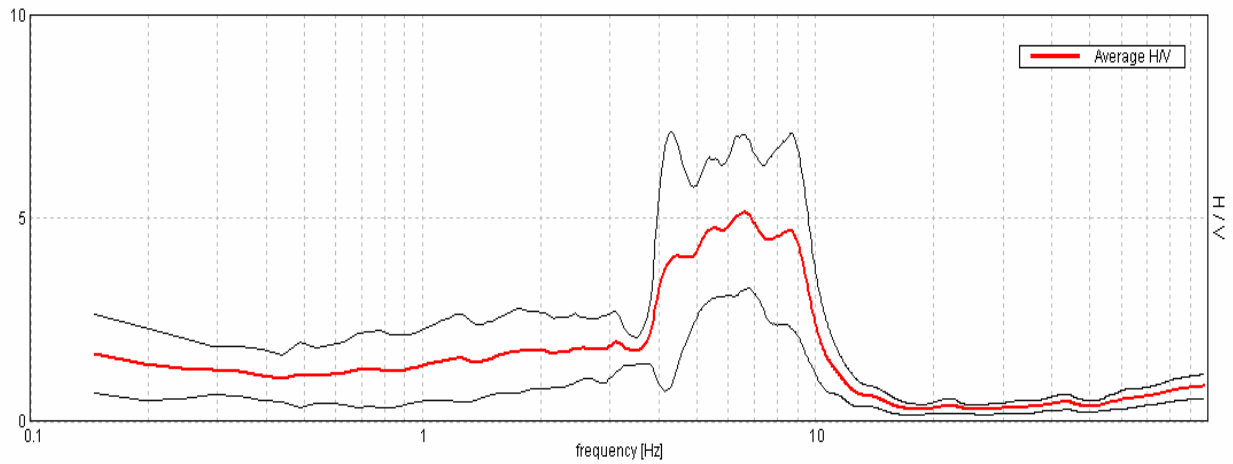
QUOTA: 126 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

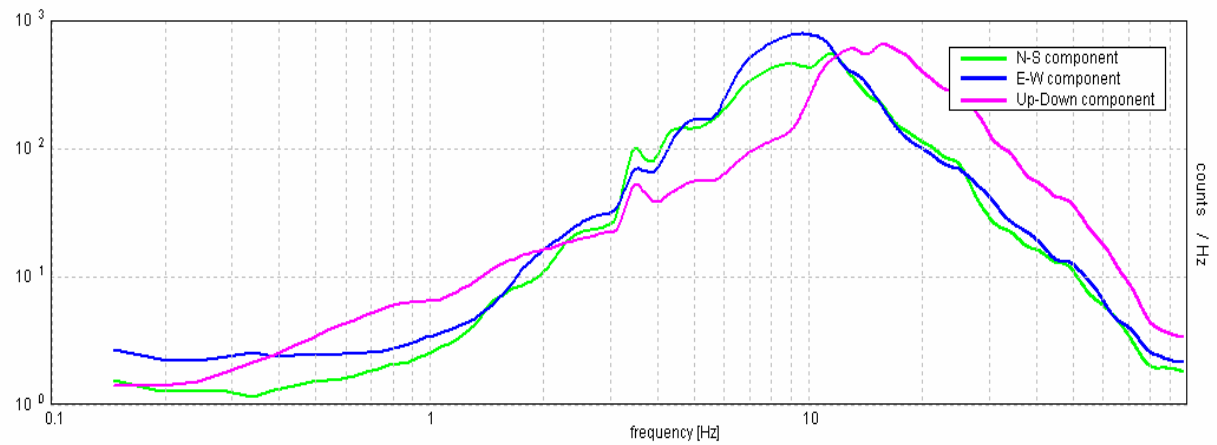
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

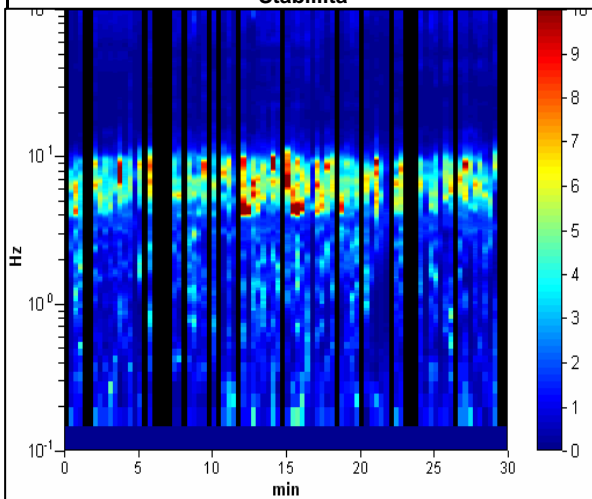
Max. HVV at 6.54 ± 0.42 Hz. (In the range 0.4 - 18.0 Hz).



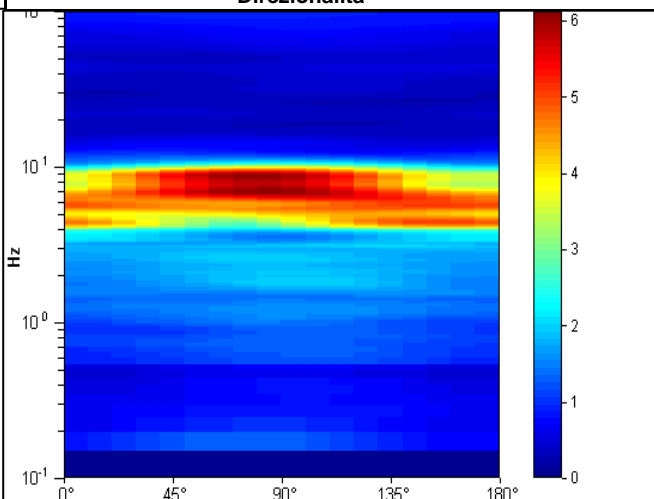
Ampiezza spettrale



Stabilità



Direzionalità



STUDIO GEOLOGICO CENTROGEO
P.zza S.Quirino, 6 - 42015 CORREGGIO

INDAGINE HVSR H57

LOCALITA': Marzabotto (BO)

COMMITTENTE: Amm. Comunale

DATA: 08-04-2014

CANTIERE: Sasdello

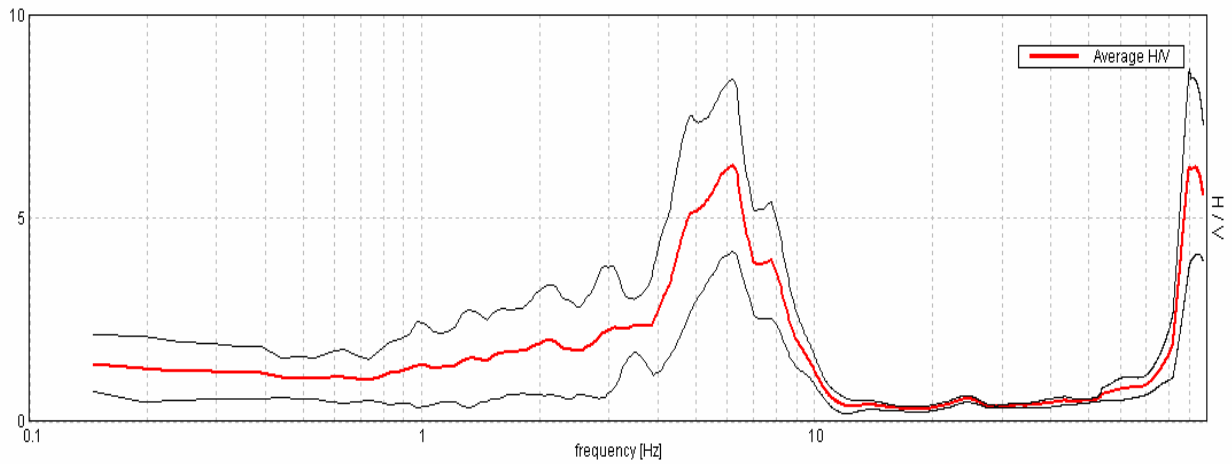
QUOTA: 126 m. s.l.m.

OPERATORI: Mazzetti M. - Arbizzi A.

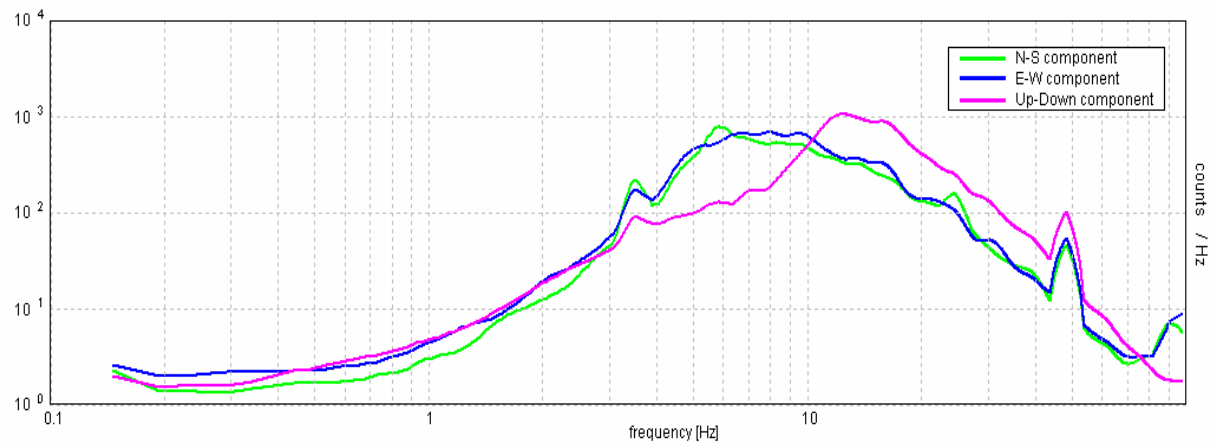
Strumentazione: Tromino TRZ-0134/01-11

Rapporto spettrale

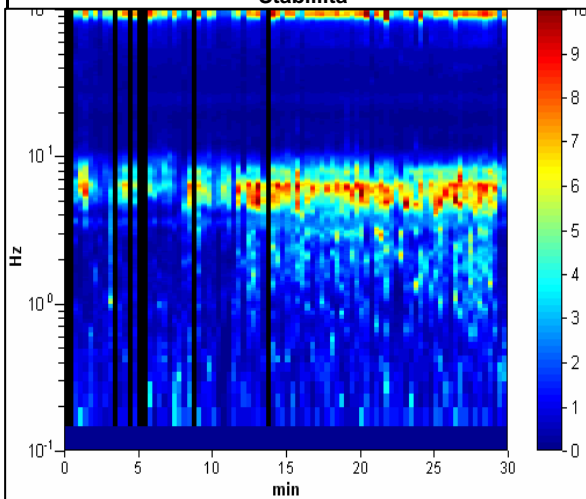
Max. HVV at 6.2 ± 0.06 Hz. (In the range 0.4 - 18.0 Hz).



Ampiezza spettrale



Stabilità



Direzionalità

