REGIONE SICILIA

Monitoraggio della qualità dell'aria



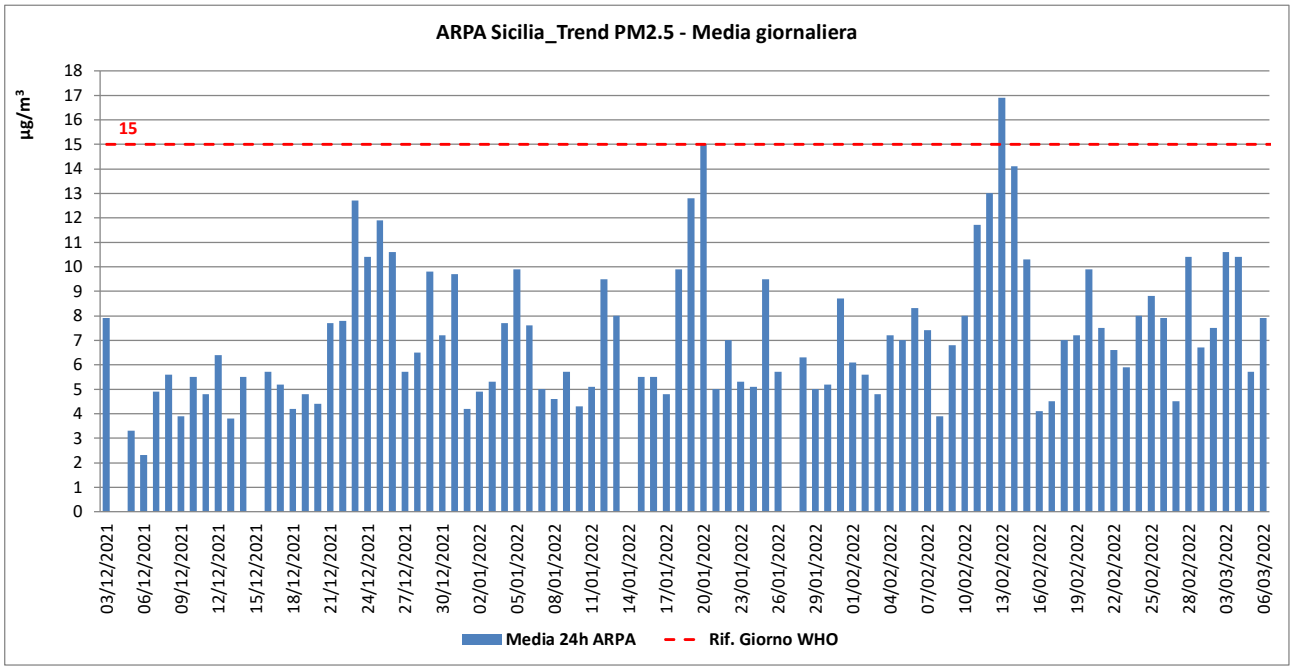
Isola di Vulcano

Comune di Lipari

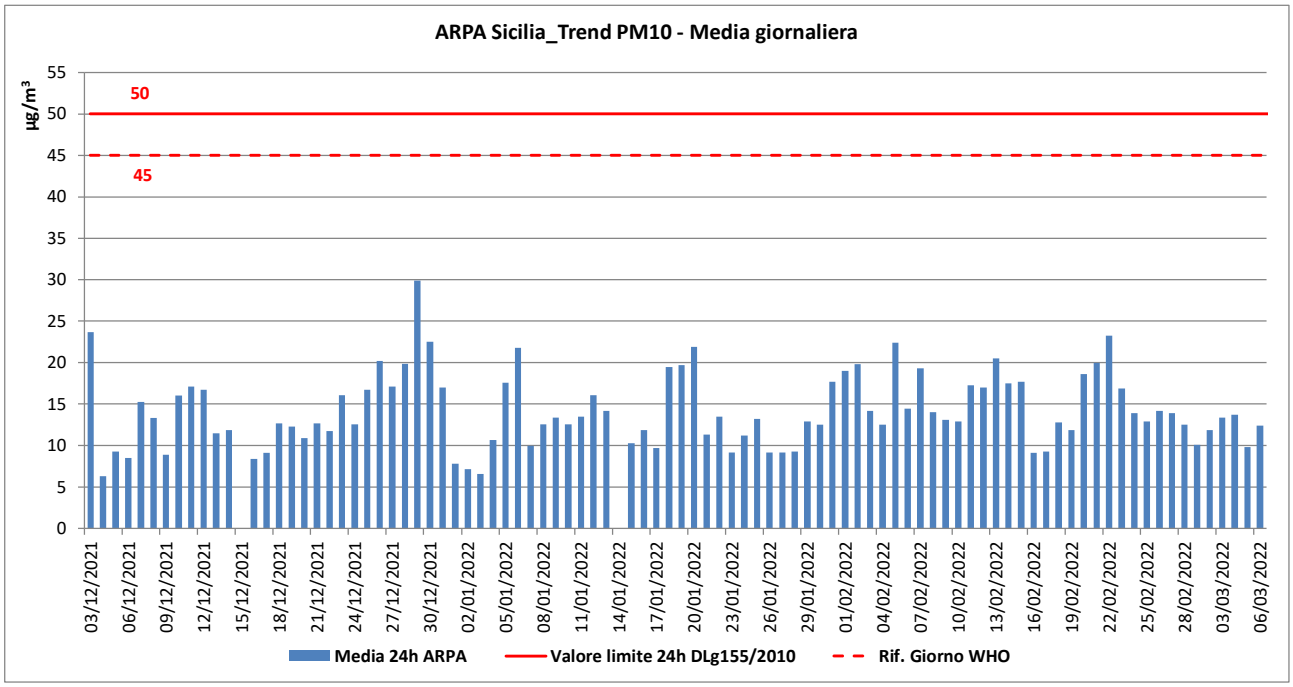
Trend dei dati 27/11/2021 – 06/03/2022

Di seguito si rappresentano le tendenze elaborate da ARPA Sicilia ed ISPRAsulla base dei dati disponibili fino al 6 marzo 2022.

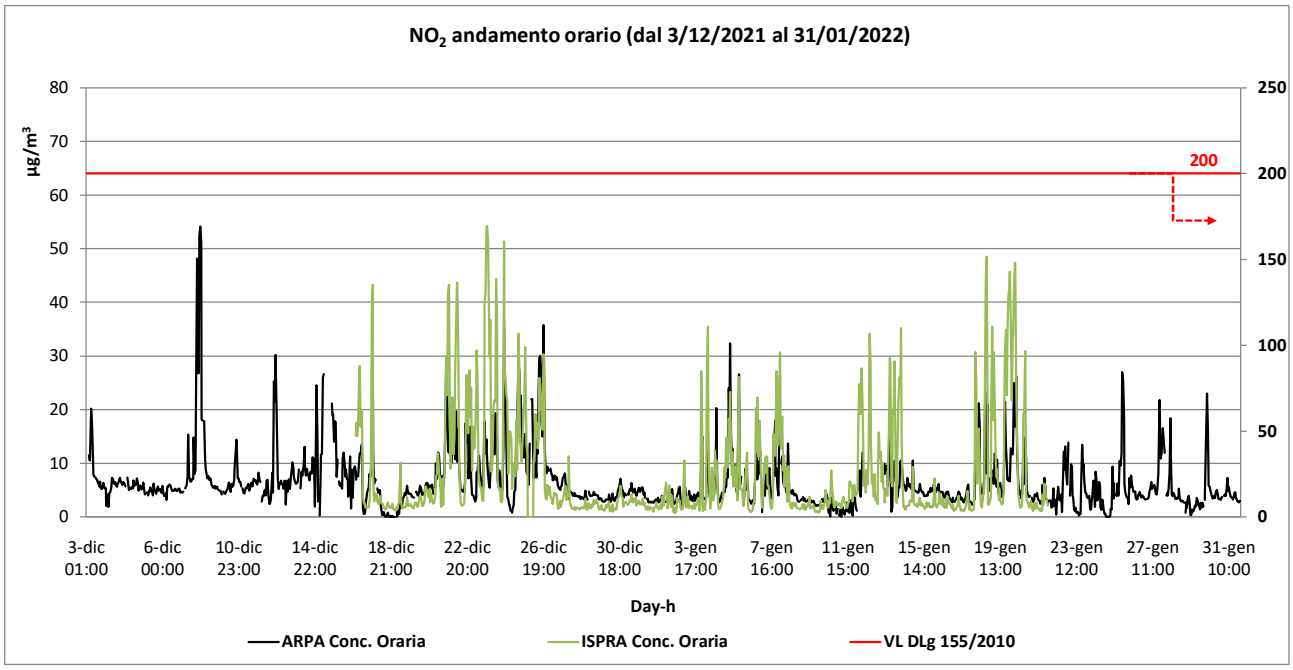
PM2.5 – Laboratorio ARPA Sicilia

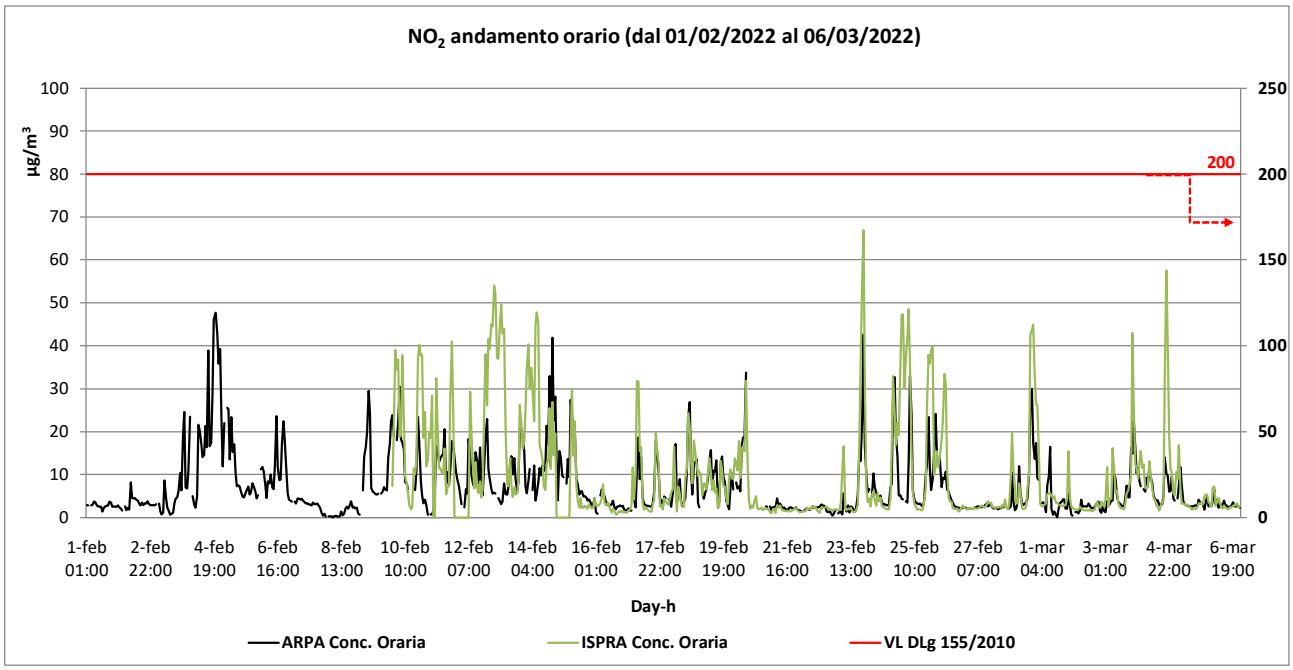


PM10 – Laboratorio ARPA Sicilia

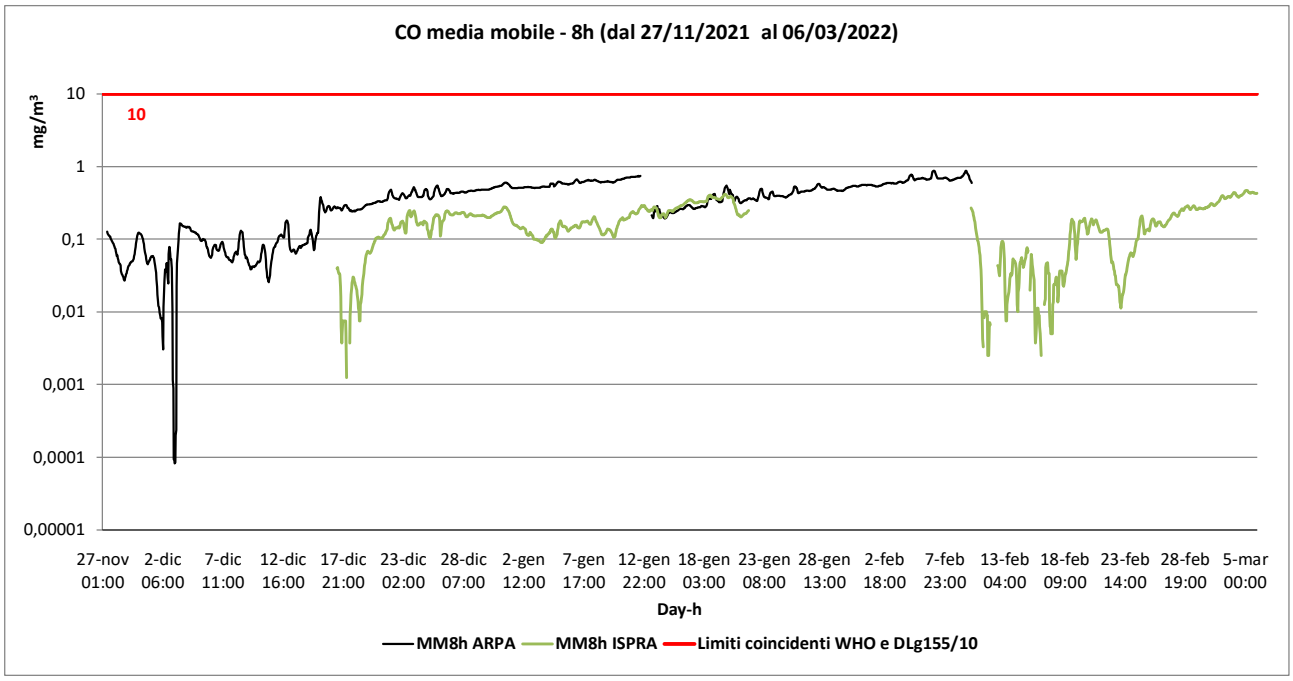


NO_2– Laboratorio ARPA Sicilia e ISPRA

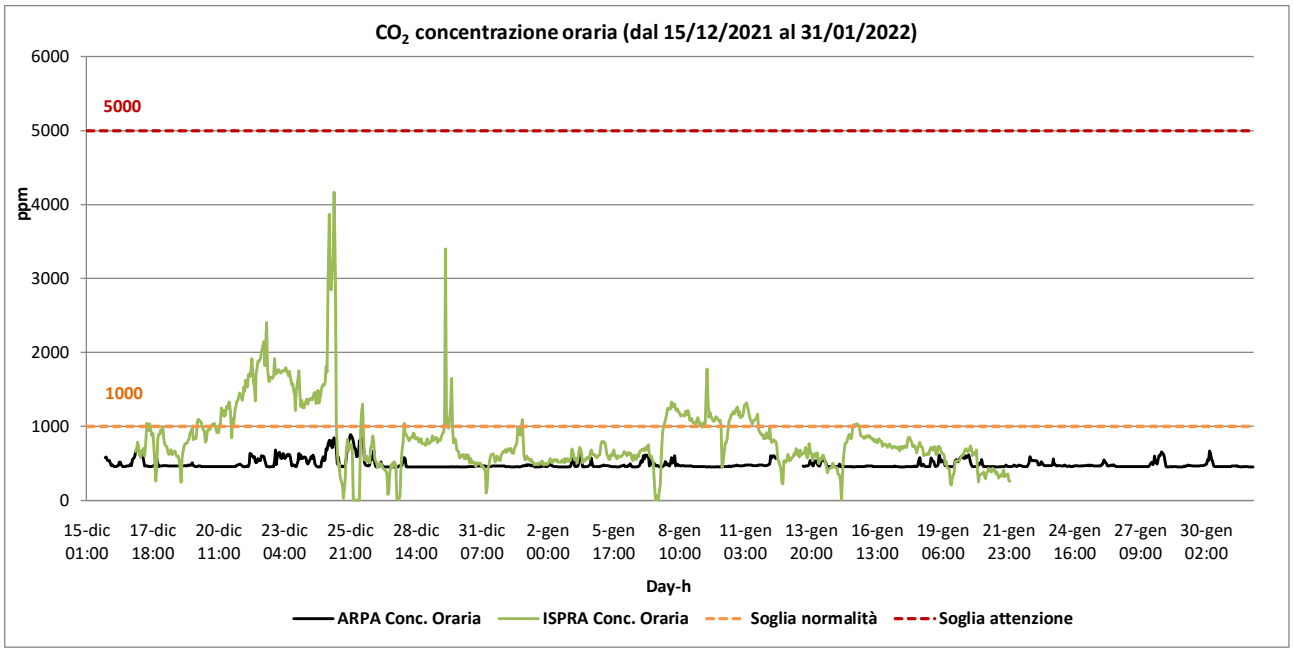


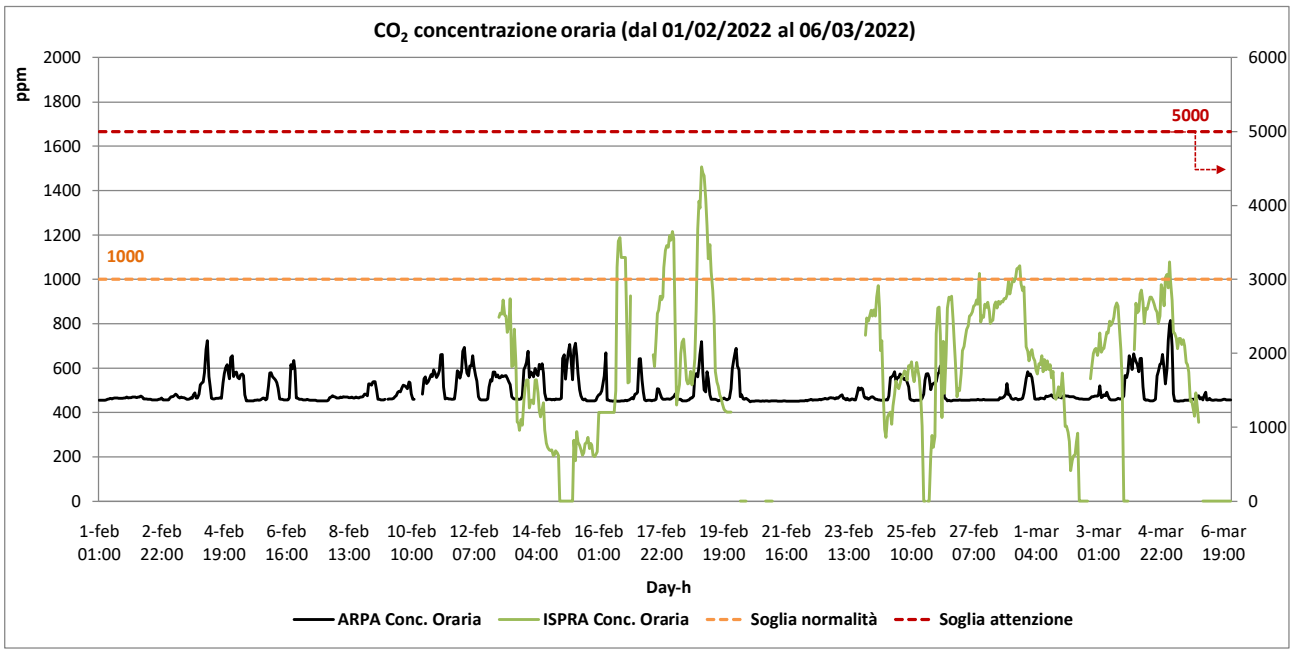


CO– Laboratorio ARPA Sicilia e ISPRA

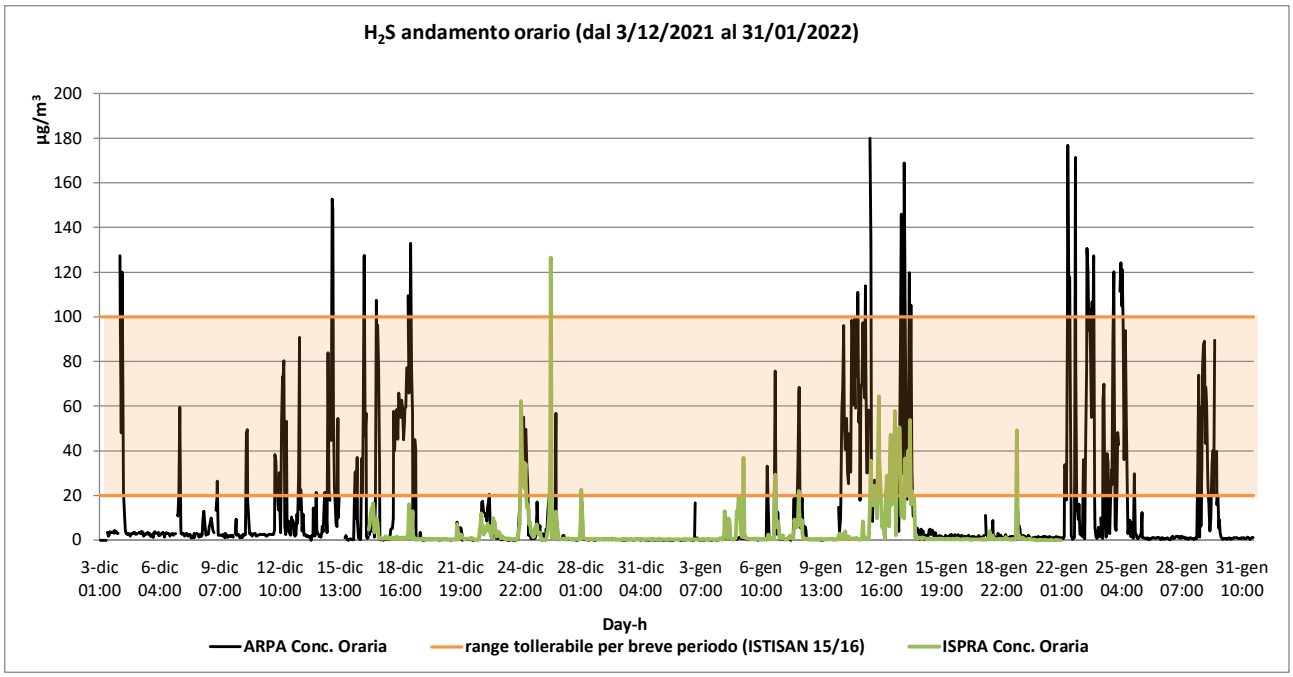


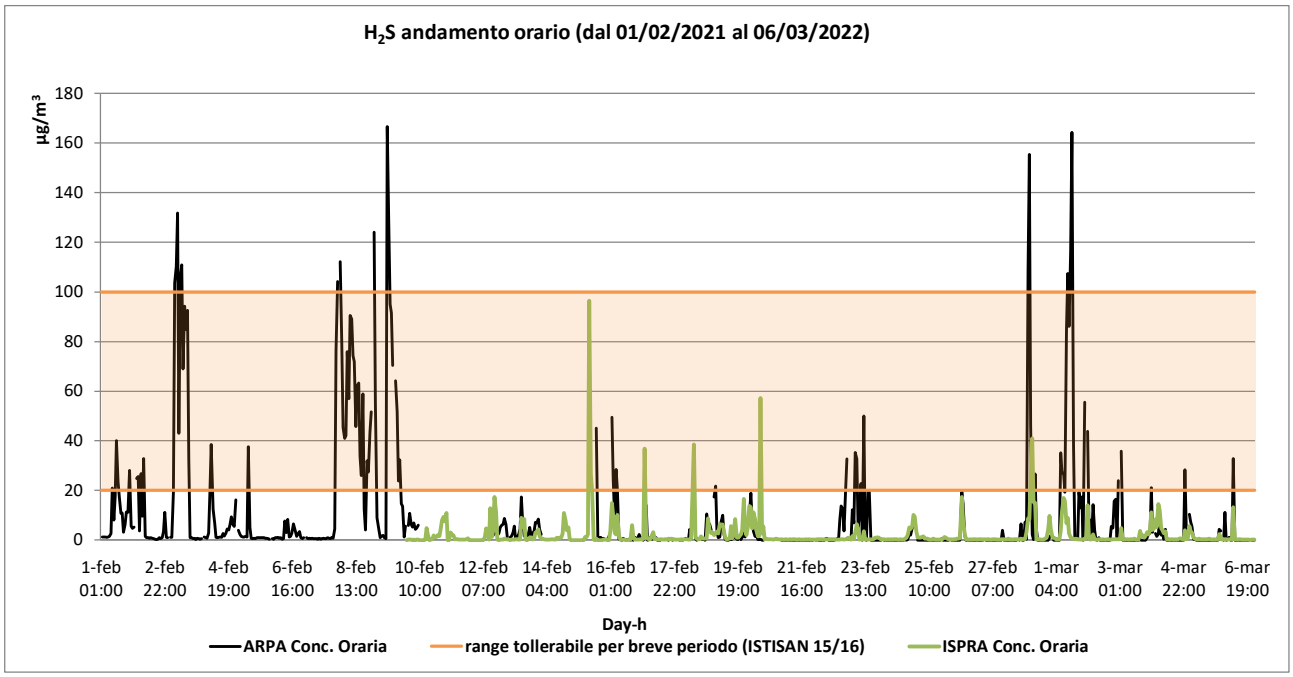
CO_2– Laboratorio ARPA Sicilia e ISPRA

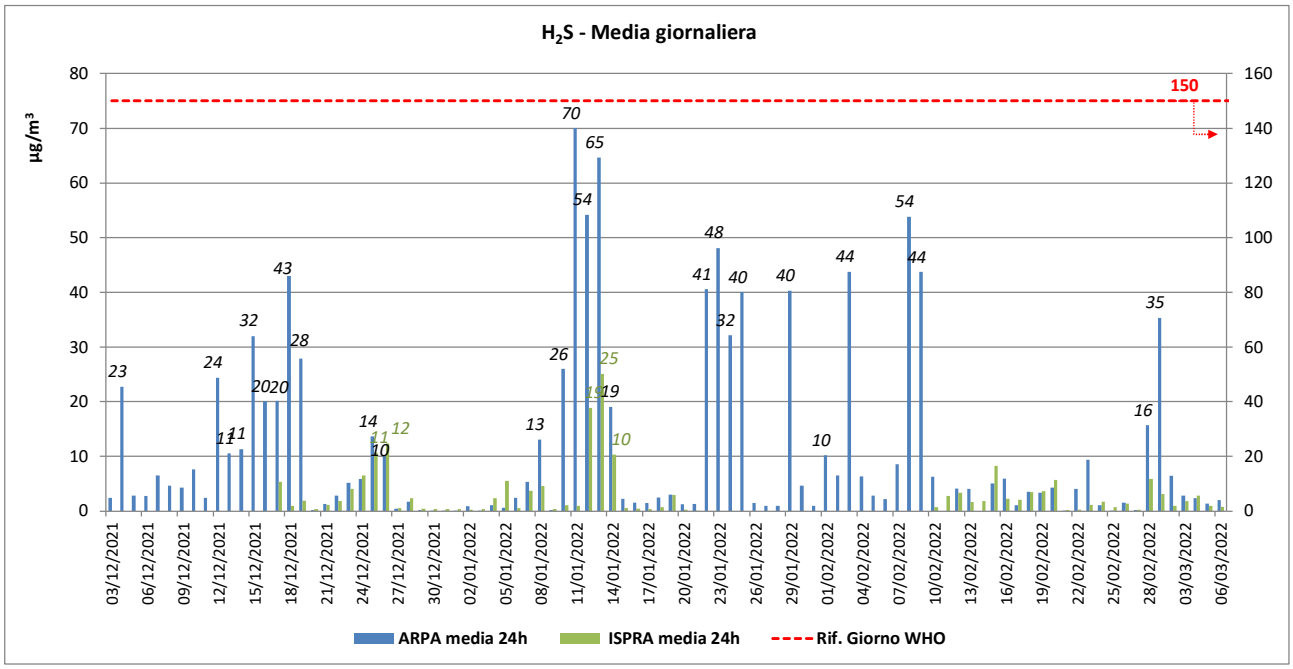




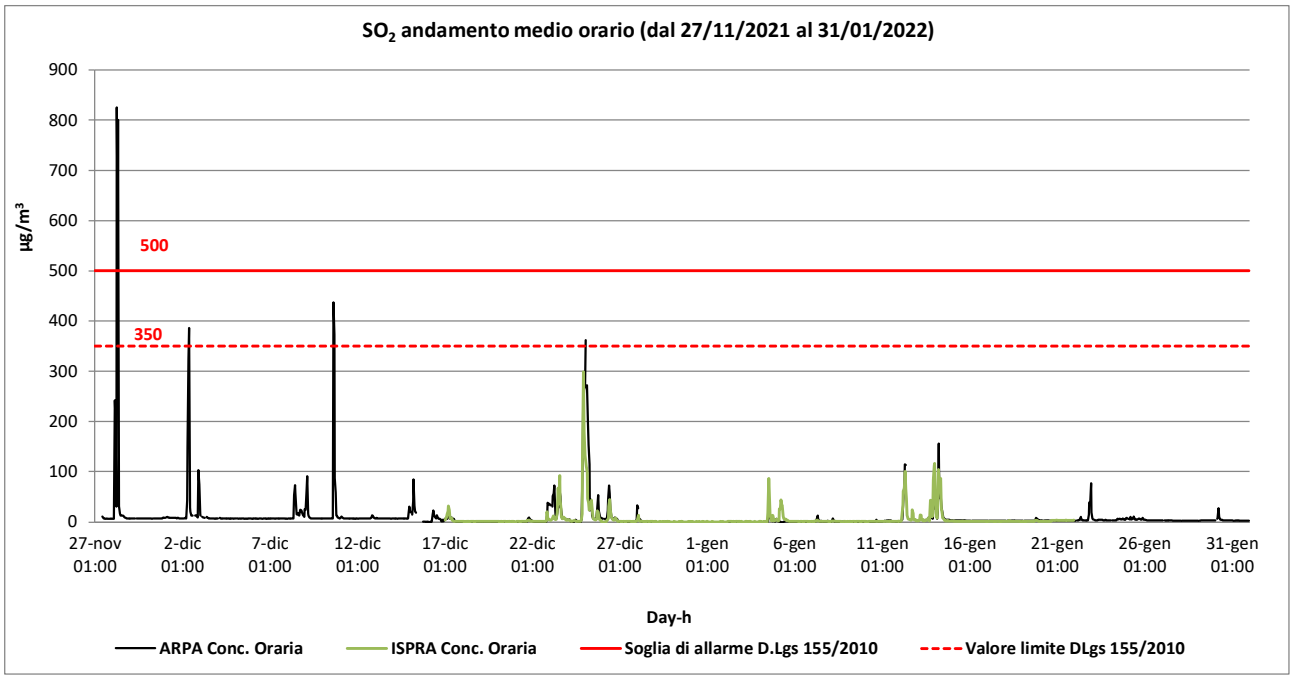
H_2S– Laboratorio ARPA Sicilia e ISPRA

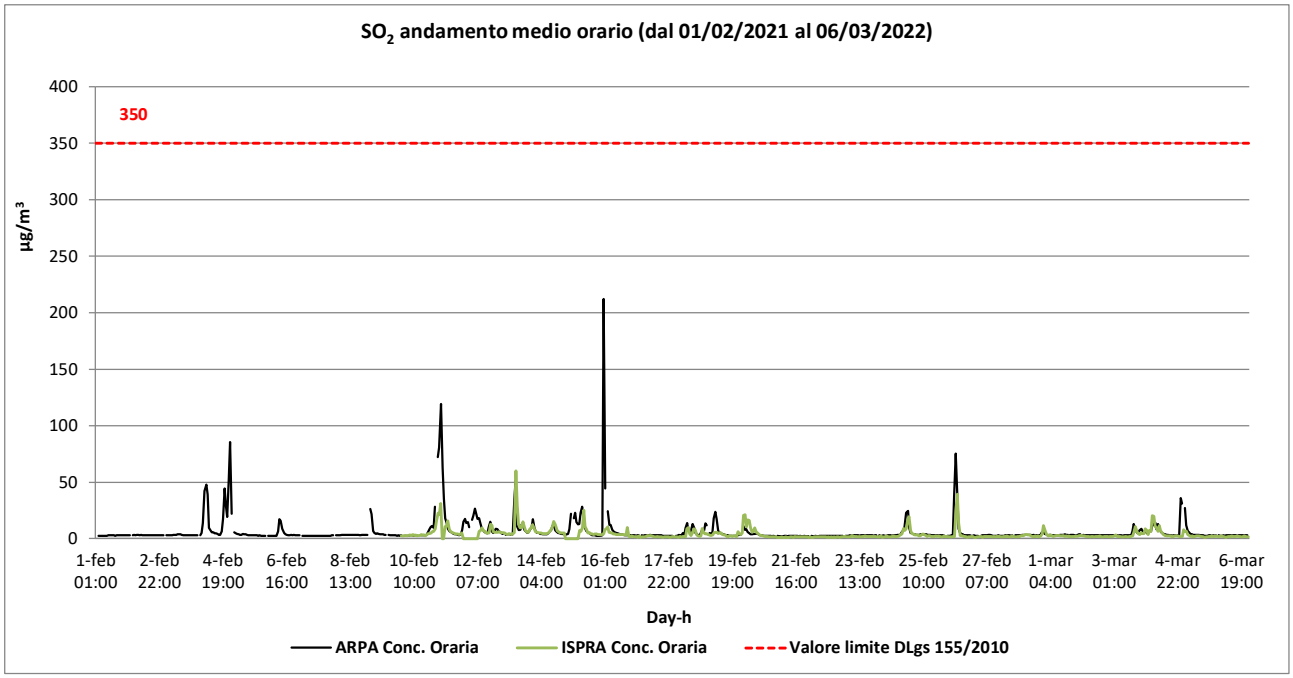


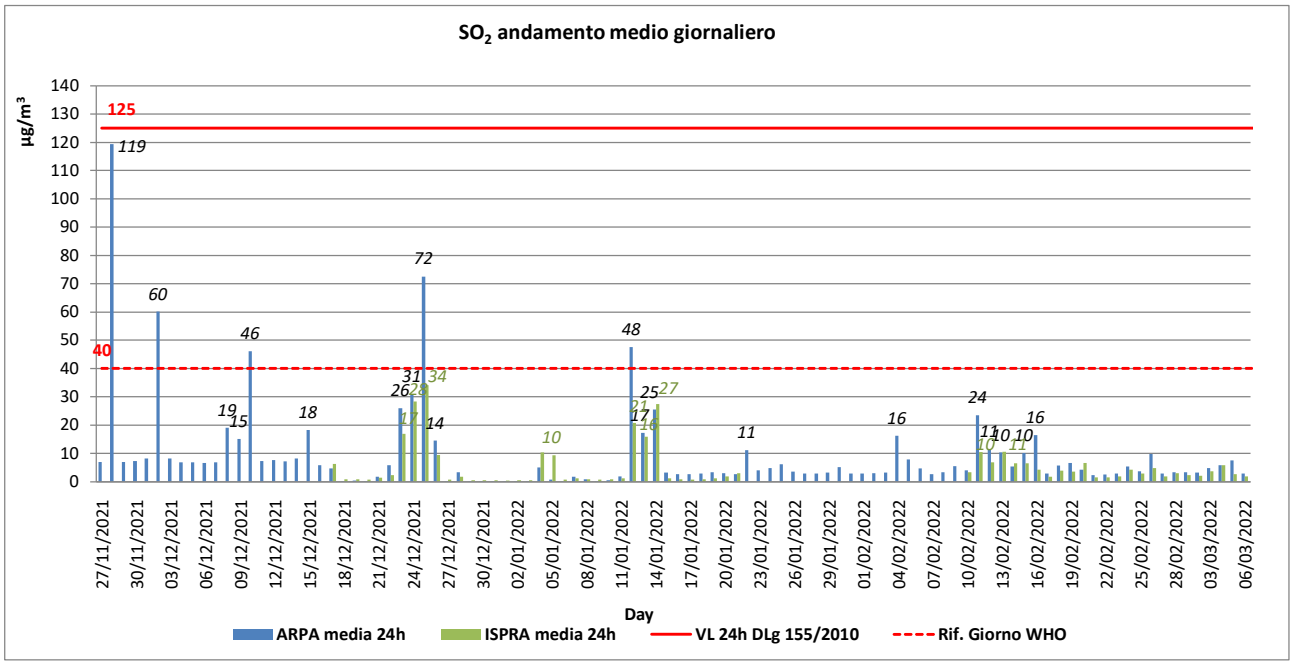



H2S - Media giornaliera
µg/m³
150
ARPA media 24h
ISPRA media 24h
Rif. Giorno WHO

SO_2– Laboratorio ARPA Sicilia e ISPRA





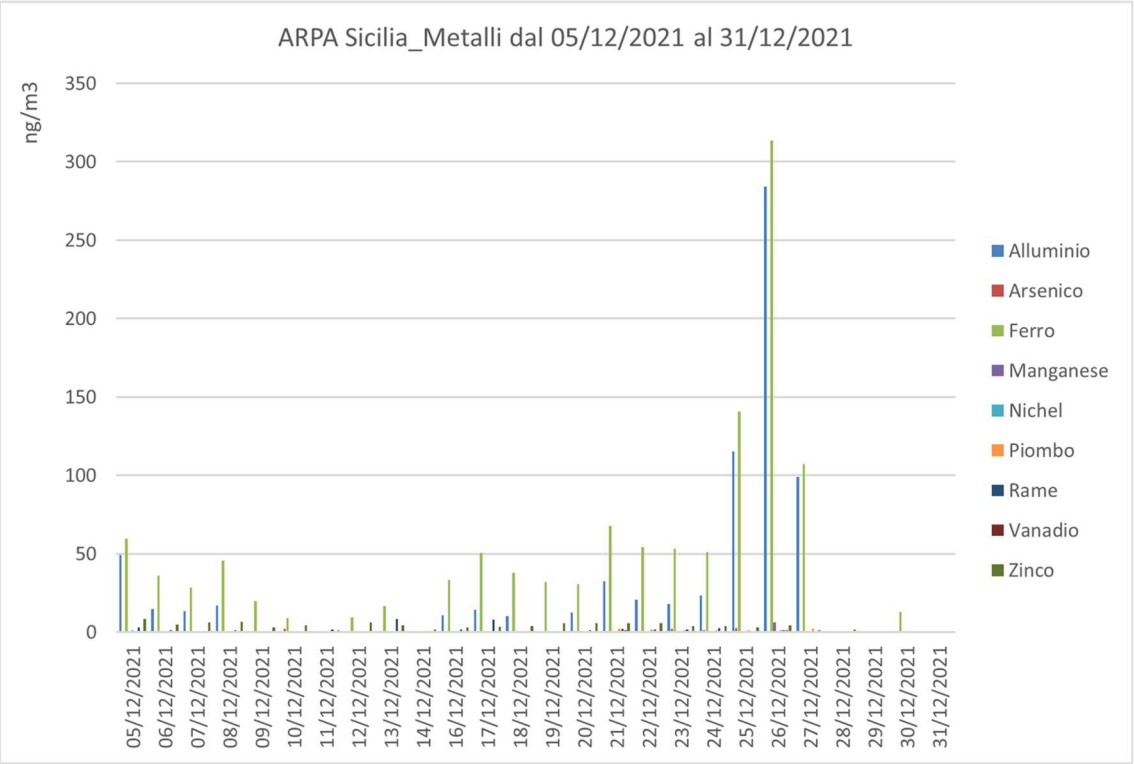

SO2 andamento medio giornaliero
µg/m3
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
125
40
119
60
46
19
15
18
72
31
34
26
28
17
14
10
48
25
27
21
17
16
11
16
24
11
10
10
11
16
27/11/2021
30/11/2021
03/12/2021
06/12/2021
09/12/2021
12/12/2021
15/12/2021
18/12/2021
21/12/2021
24/12/2021
27/12/2021
30/12/2021
02/01/2022
05/01/2022
08/01/2022
11/01/2022
14/01/2022
17/01/2022
20/01/2022
23/01/2022
26/01/2022
29/01/2022
01/02/2022
04/02/2022
07/02/2022
10/02/2022
13/02/2022
16/02/2022
19/02/2022
22/02/2022
25/02/2022
28/02/2022
03/03/2022
06/03/2022
Day
ARPA media 24h
ISPRA media 24h
VL 24h DLg 155/2010
Rif. Giorno WHO

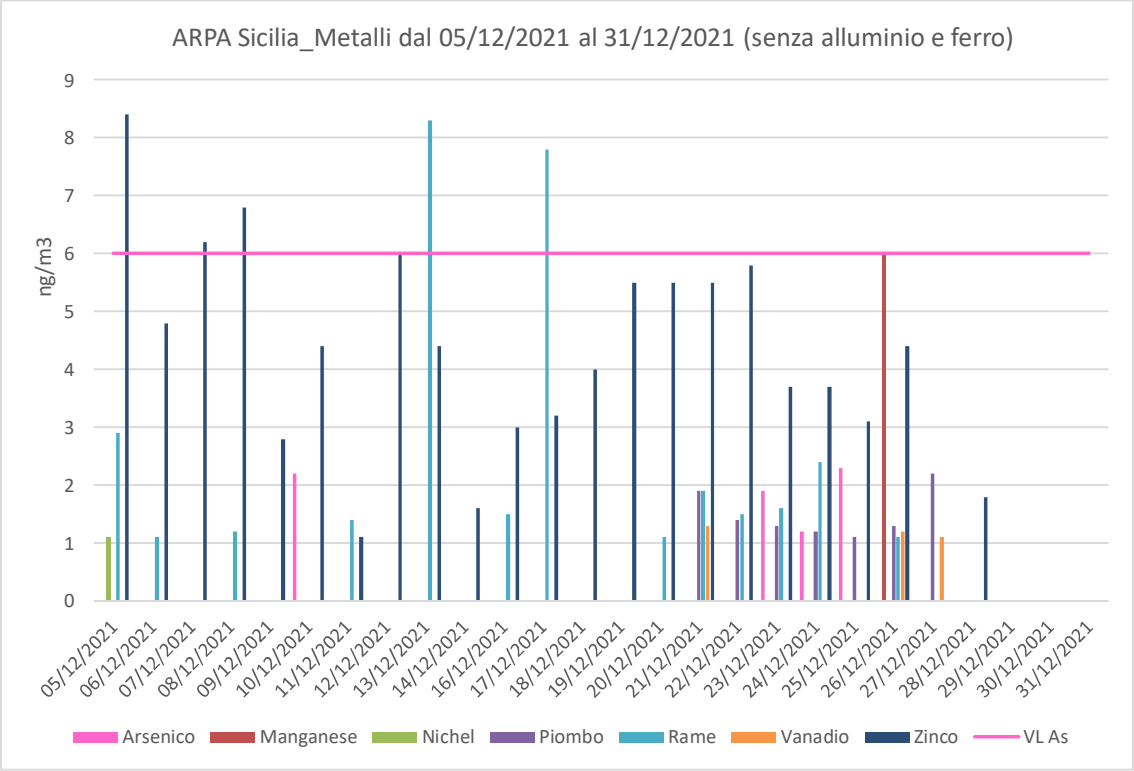
Speciazione PM10 – Metalli

Si riportano in grafico e tabelle le concentrazioni dei metalli determinate nel particolato fine PM10 dal 5 dicembre al 31 dicembre 2021 sul sito in cui è installato il laboratorio mobile di ARPA Sicilia.

Metalli che non hanno mai superato il LOQ	LOQ, ng/m³	Limite medio annuo, ng/m³ (D.Lgs 155/2010)
Antimonio	1	
Cadmio	1	5
Cerio	1	
Cromo totale	1	
Lantanio	1	
Stagno	1	
Tallio	1	
Tellurio	1	

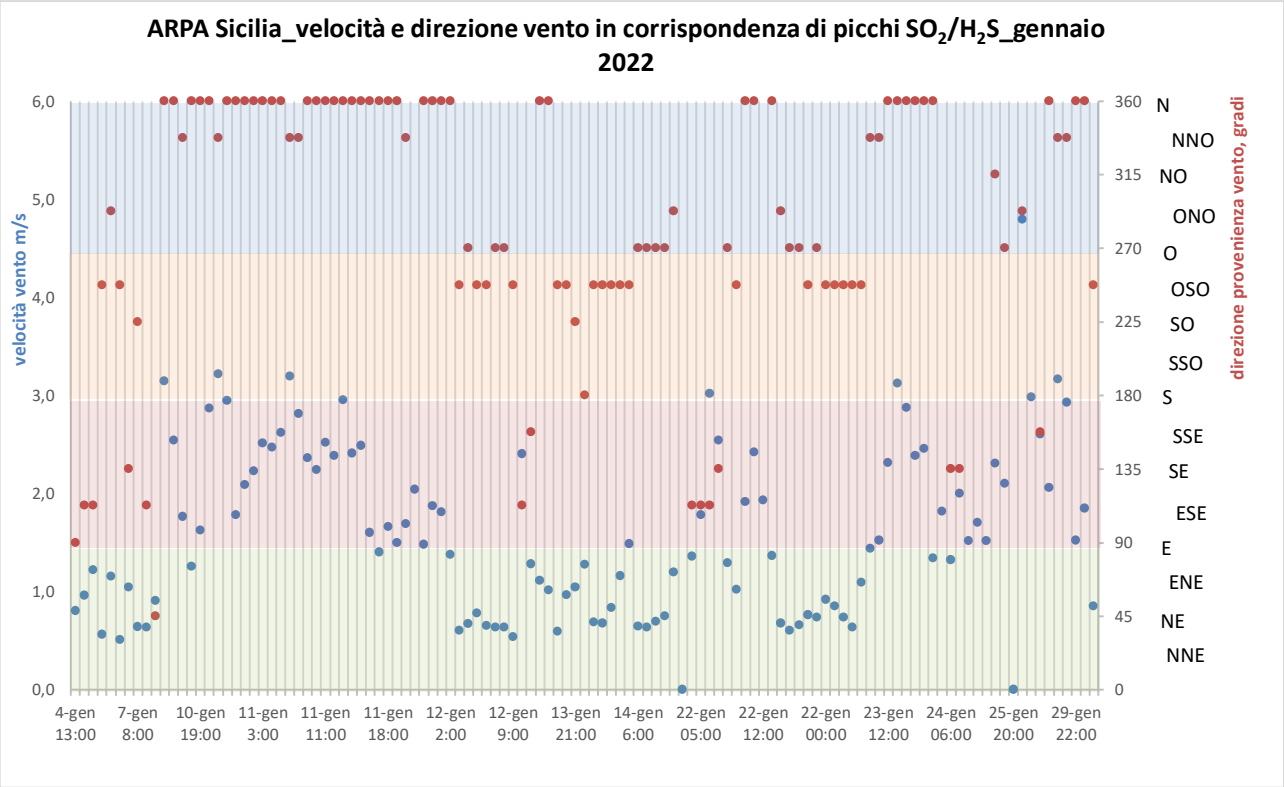
Metalli che hanno superato il LOQ almeno un giorno	Media sui giorni campionati, ng/m³	LOQ, ng/m³	D.Lgs. 155/2010 Limite medio annuo, ng/m³	WHO air quality guidelines for Europe, 2nd edition, 2000 Rischio unitario, *Indice di rischio/tempo di vita* $(\mu g/m^3)^{-1}$
Arsenico	1,9	1	6	1.5×10^{-3}
Manganese	6	1		
Nichel	1,1	1	20	3.8×10^{-4}
Piombo	1,49	1	500	
Rame	2,6	1		
Vanadio	1,2	1		
Zinco	4,35	5		
Alluminio	49	10		
Ferro	58	1		

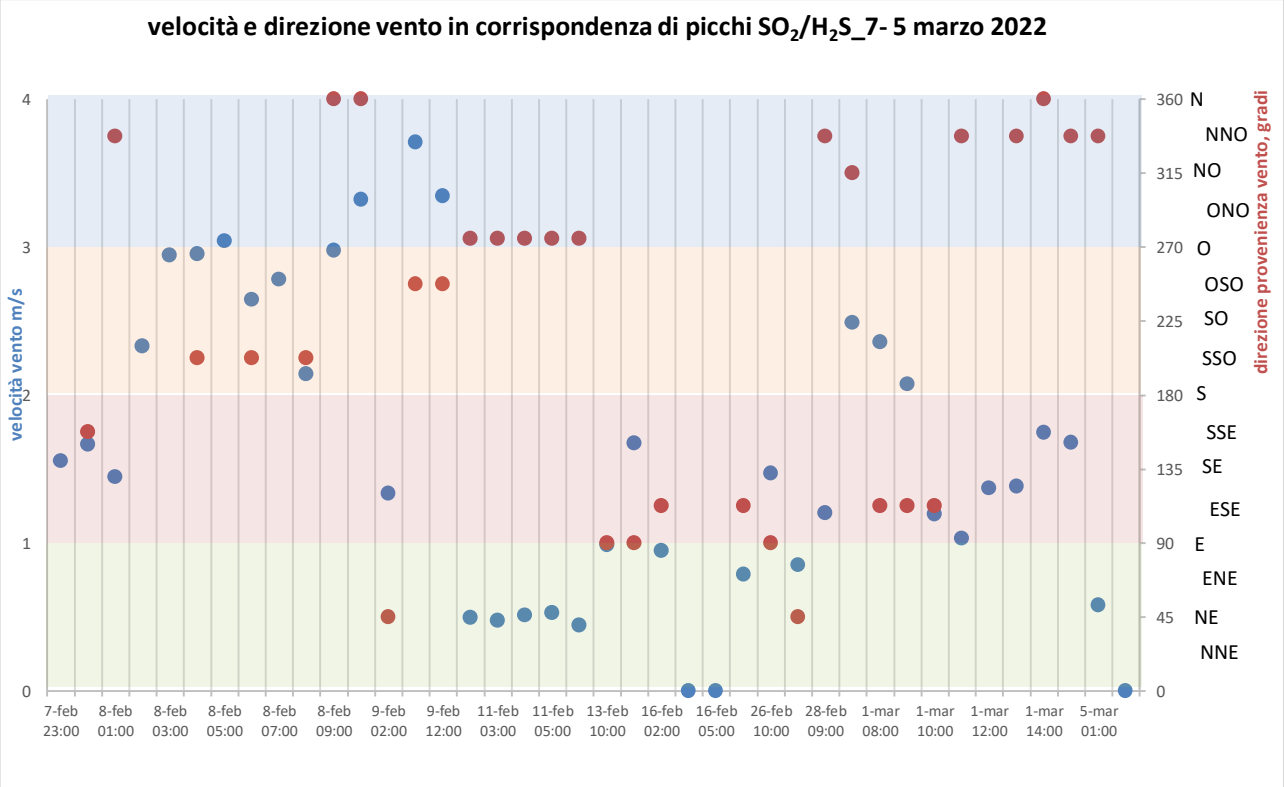

ARPA Sicilia_Metalli dal 05/12/2021 al 31/12/2021
ng/m3
350
300
250
200
150
100
50
0
05/12/2021
06/12/2021
07/12/2021
08/12/2021
09/12/2021
10/12/2021
11/12/2021
12/12/2021
13/12/2021
14/12/2021
16/12/2021
17/12/2021
18/12/2021
19/12/2021
20/12/2021
21/12/2021
22/12/2021
23/12/2021
24/12/2021
25/12/2021
26/12/2021
27/12/2021
28/12/2021
29/12/2021
30/12/2021
31/12/2021
Alluminio
Arsenico
Ferro
Manganese
Nichel
Piombo
Rame
Vanadio
Zinco


ARPA Sicilia_Metalli dal 05/12/2021 al 31/12/2021 (senza alluminio e ferro)
ng/m3
9
8
7
6
5
4
3
2
1
0
05/12/2021
06/12/2021
07/12/2021
08/12/2021
09/12/2021
10/12/2021
11/12/2021
12/12/2021
13/12/2021
14/12/2021
16/12/2021
17/12/2021
18/12/2021
19/12/2021
20/12/2021
21/12/2021
22/12/2021
23/12/2021
24/12/2021
25/12/2021
26/12/2021
27/12/2021
28/12/2021
29/12/2021
30/12/2021
31/12/2021
Arsenico
Manganese
Nichel
Piombo
Rame
Vanadio
Zinco
VL As

Dati meteo ARPA Sicilia

Si riportano in grafico la velocità del vento (indicatore blu), la cui scala è riportata nelle ordinate di sx e la direzione del vento (indicatore rosso), la cui scala è riportata nelle ordinate di dx, per alcune ore di alcuni giorni in cui si sono rilevati picchi di H_2S e/o SO_2.






Vasca degli ippopotami
Lab mobile ARPA
Lab mobile ISPRA
Cratere
N