REGIONE SICILIA

Monitoraggio della qualità dell'aria



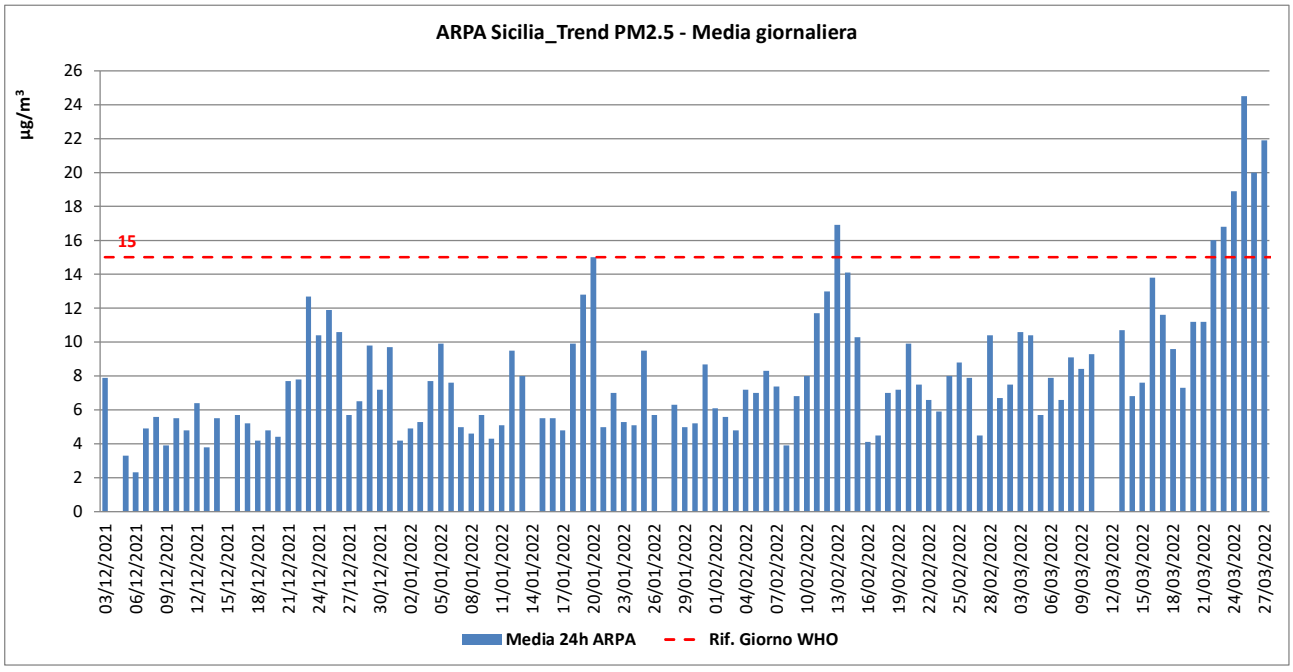
Isola di Vulcano

Comune di Lipari

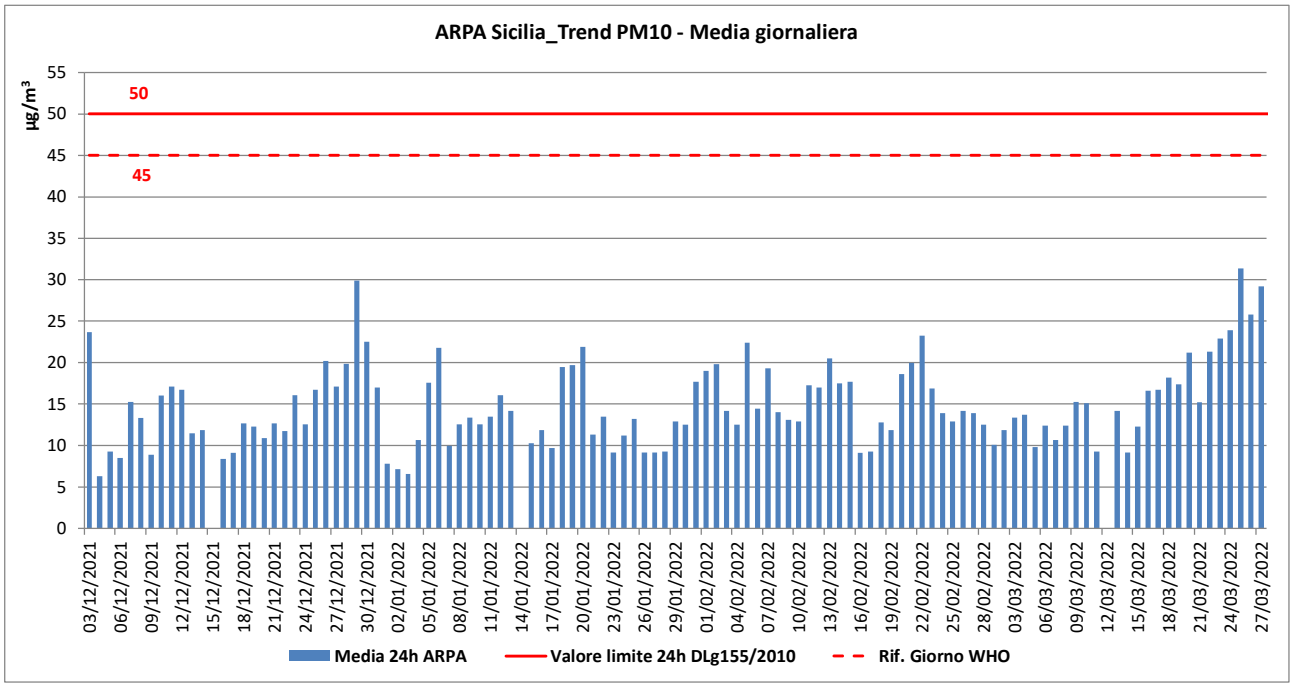
Trend dei dati 27/11/2021 – 27/03/2022

Di seguito si rappresentano le tendenze elaborate da ARPA Sicilia ed ISPRA sulla base dei dati disponibili fino al 27 marzo 2022.

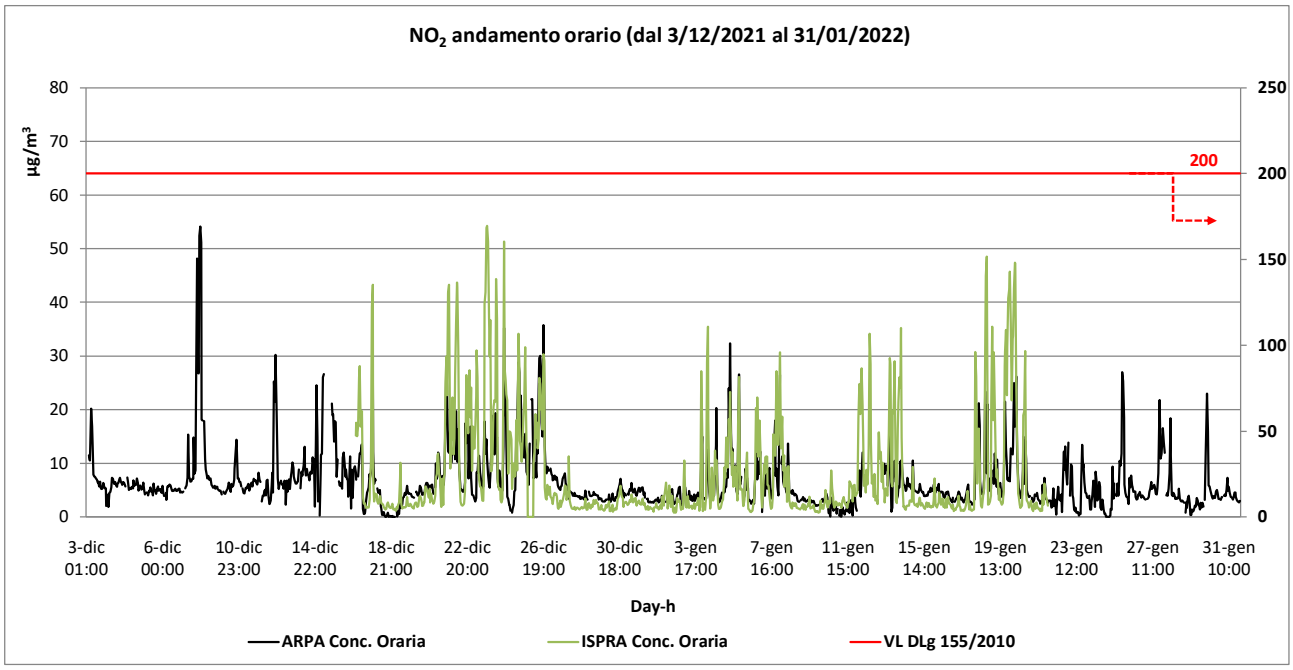
PM2.5 – Laboratorio ARPA Sicilia

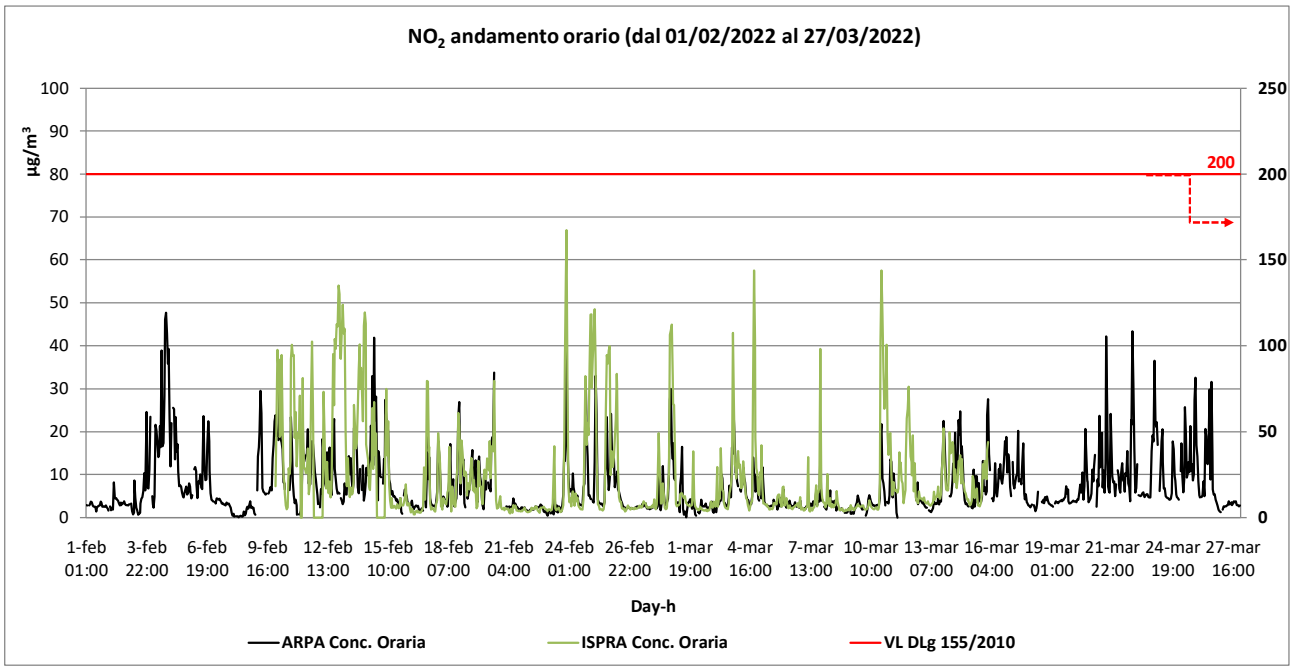


PM10 – Laboratorio ARPA Sicilia

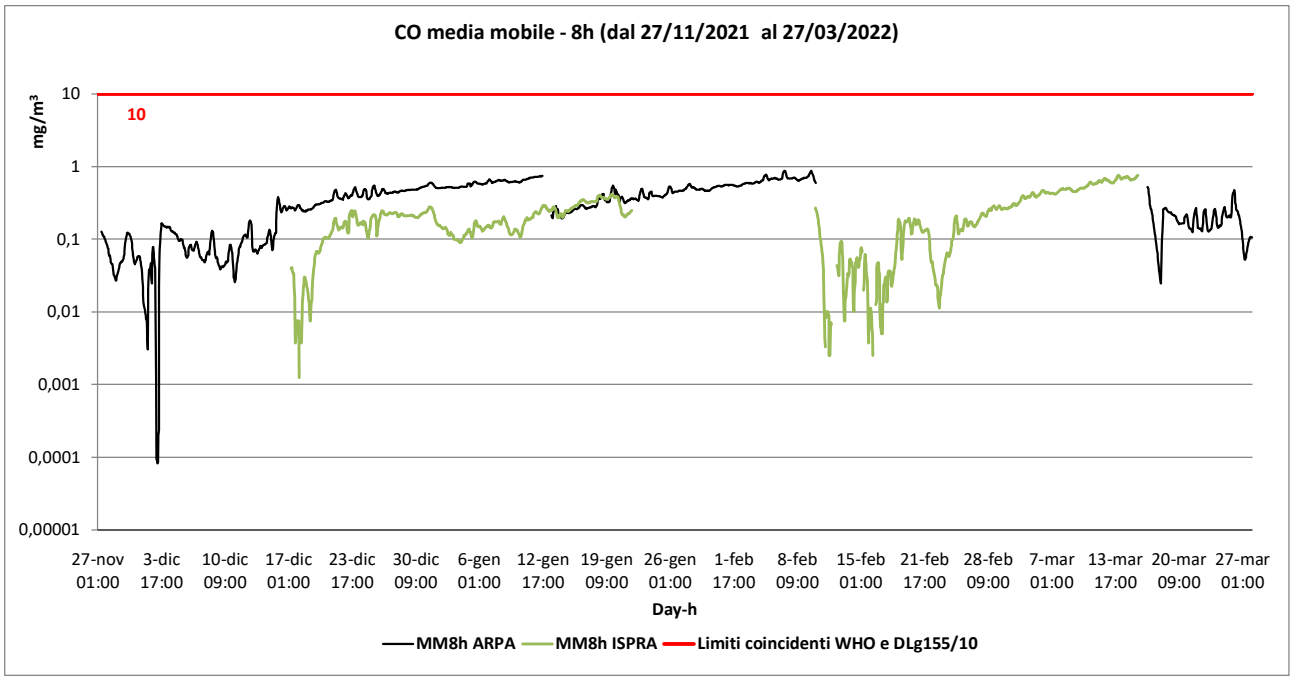


NO_2– Laboratorio ARPA Sicilia e ISPRA

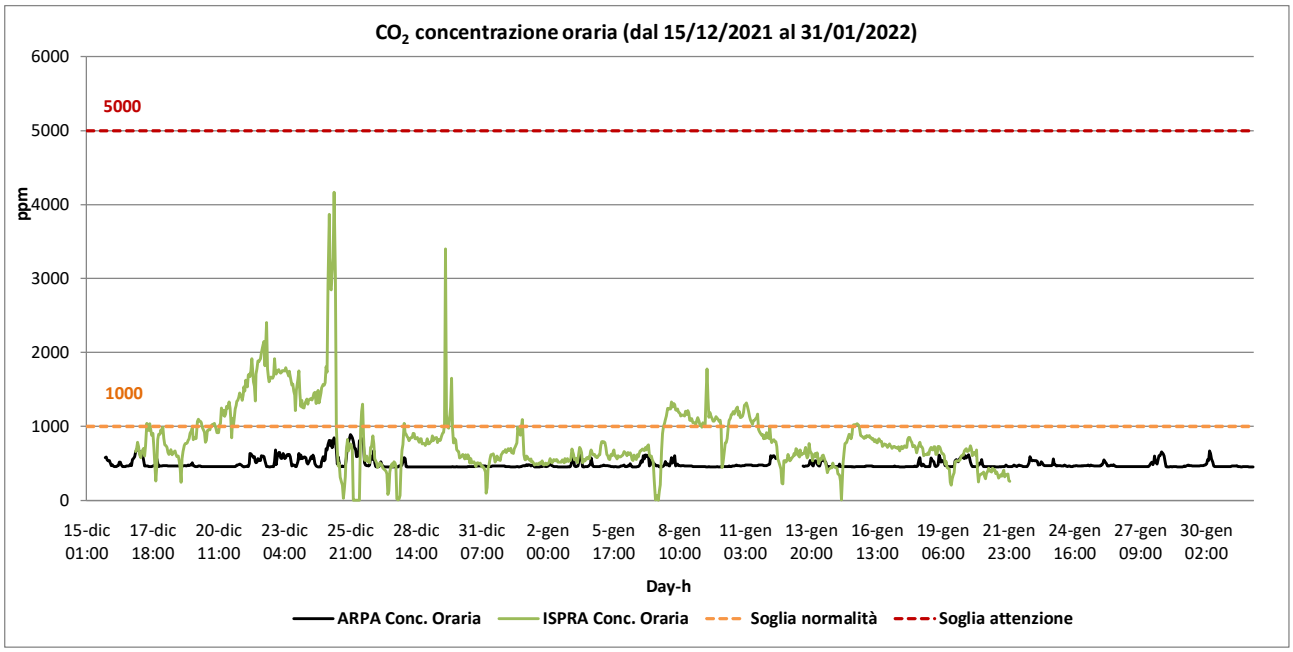


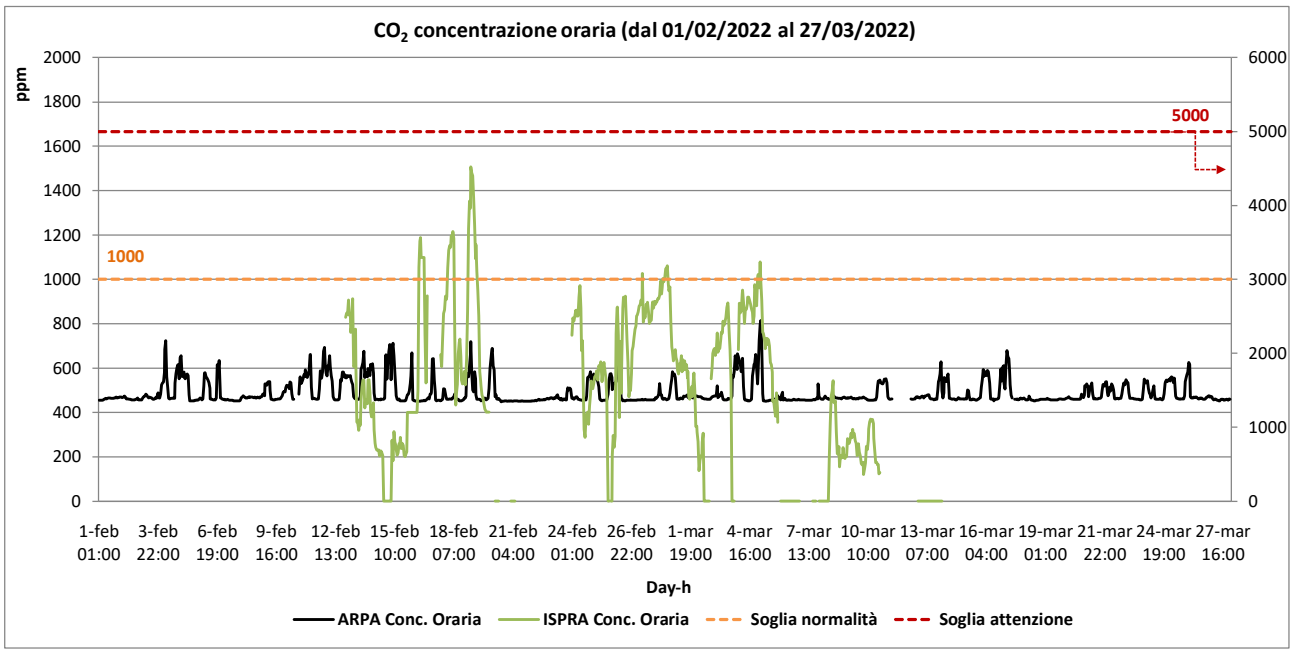


CO– Laboratorio ARPA Sicilia e ISPRA

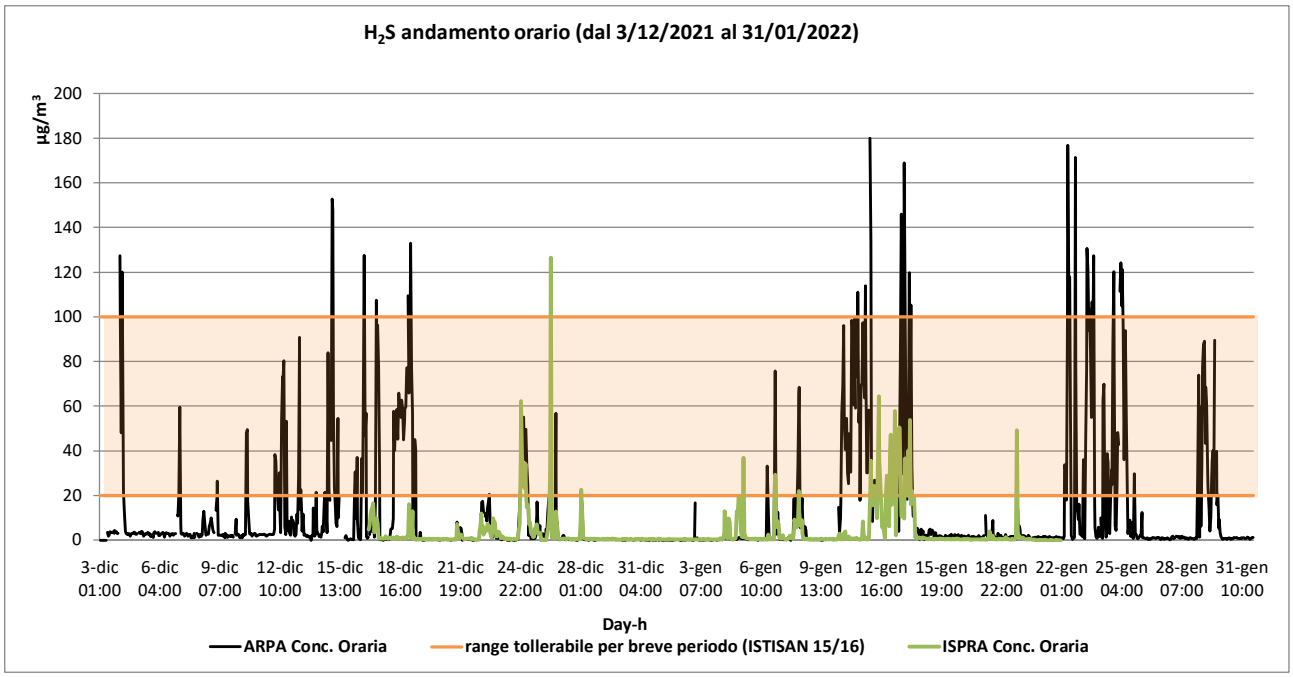


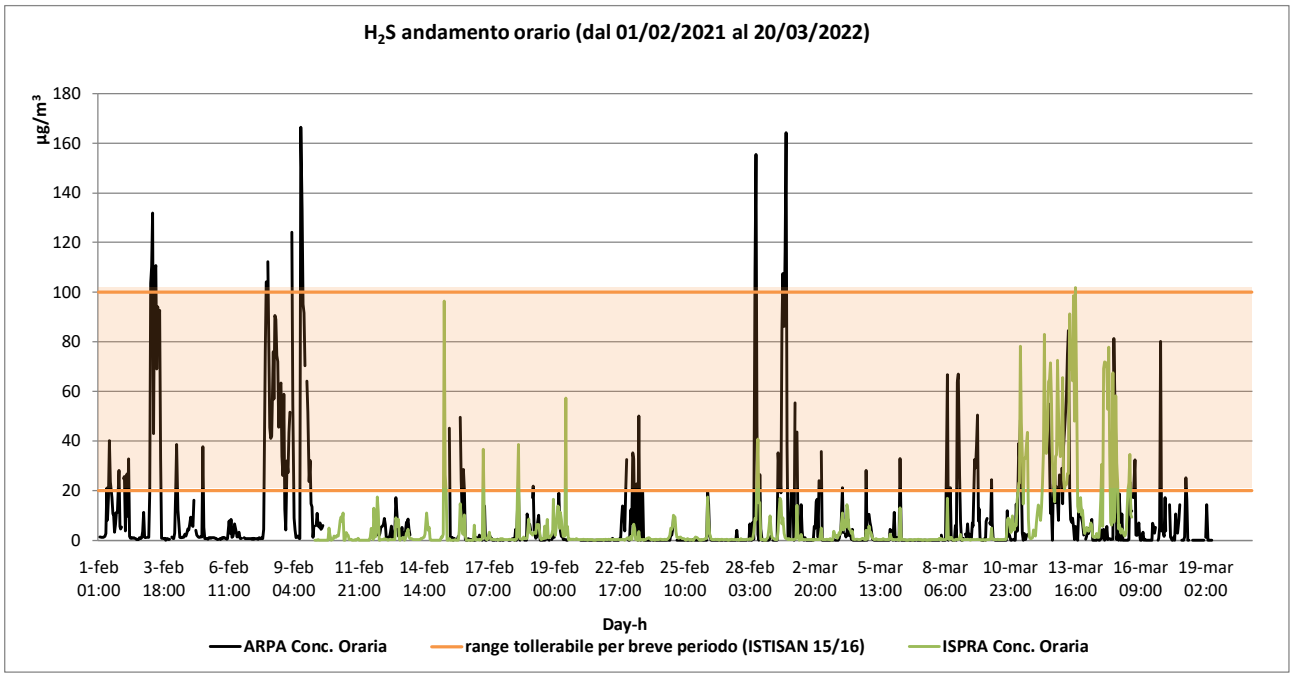
CO_2– Laboratorio ARPA Sicilia e ISPRA

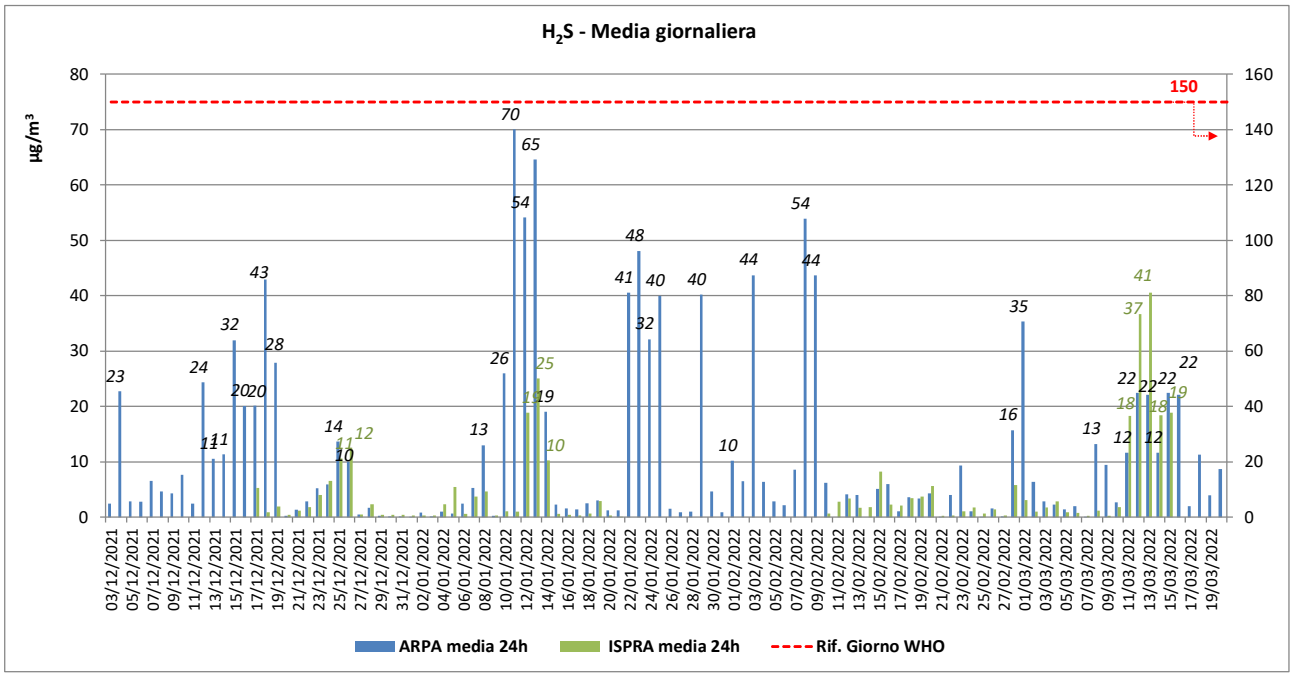




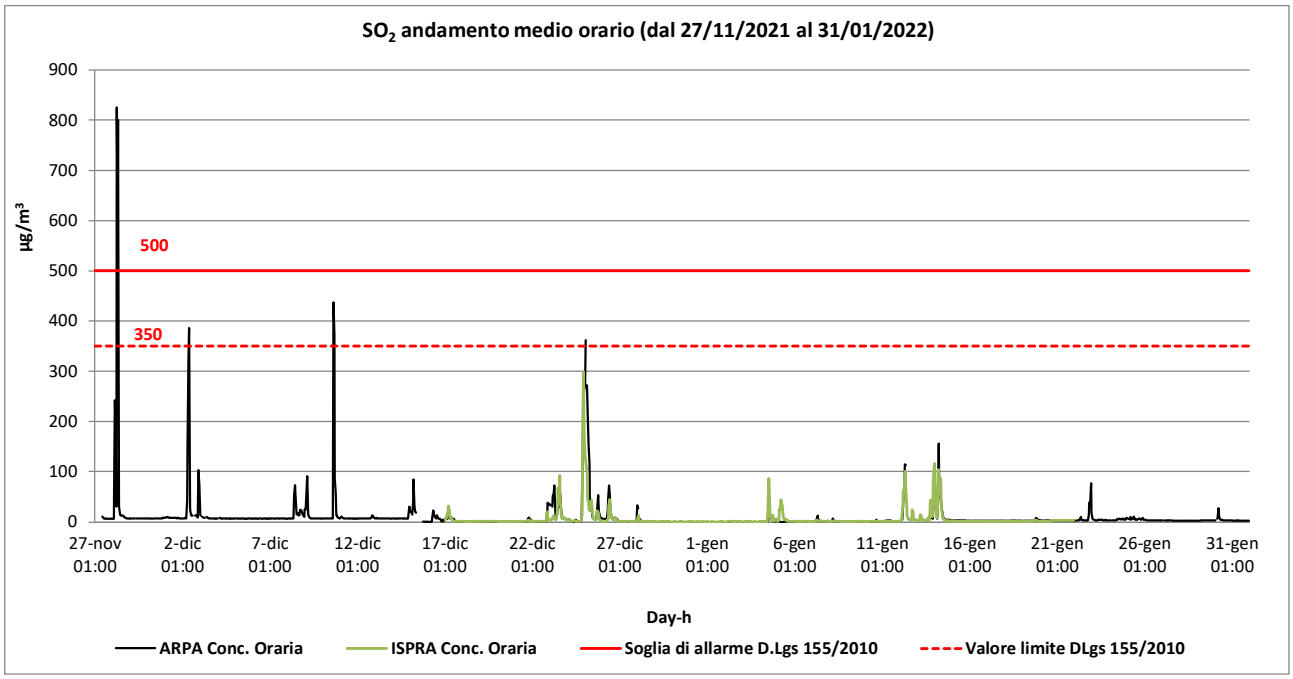
H_2S– Laboratorio ARPA Sicilia e ISPRA

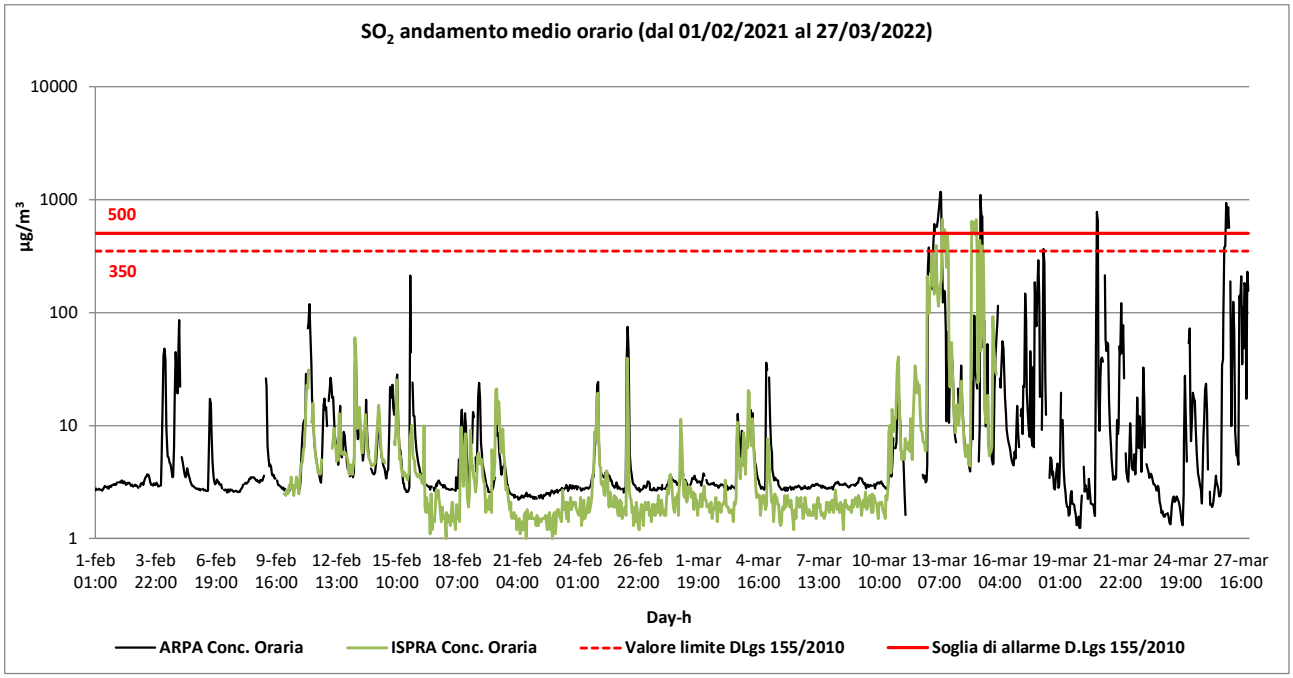


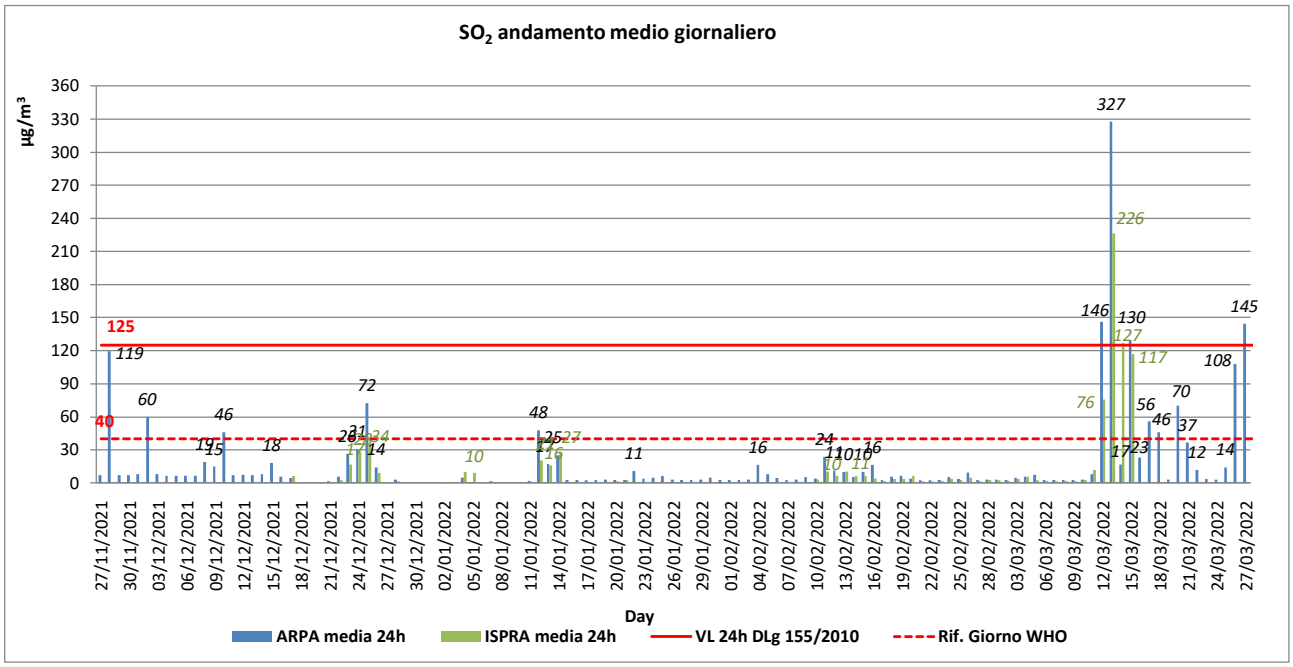



H2S - Media giornaliera
µg/m³
150
ARPA media 24h
ISPRA media 24h
Rif. Giorno WHO

SO_2– Laboratorio ARPA Sicilia e ISPRA





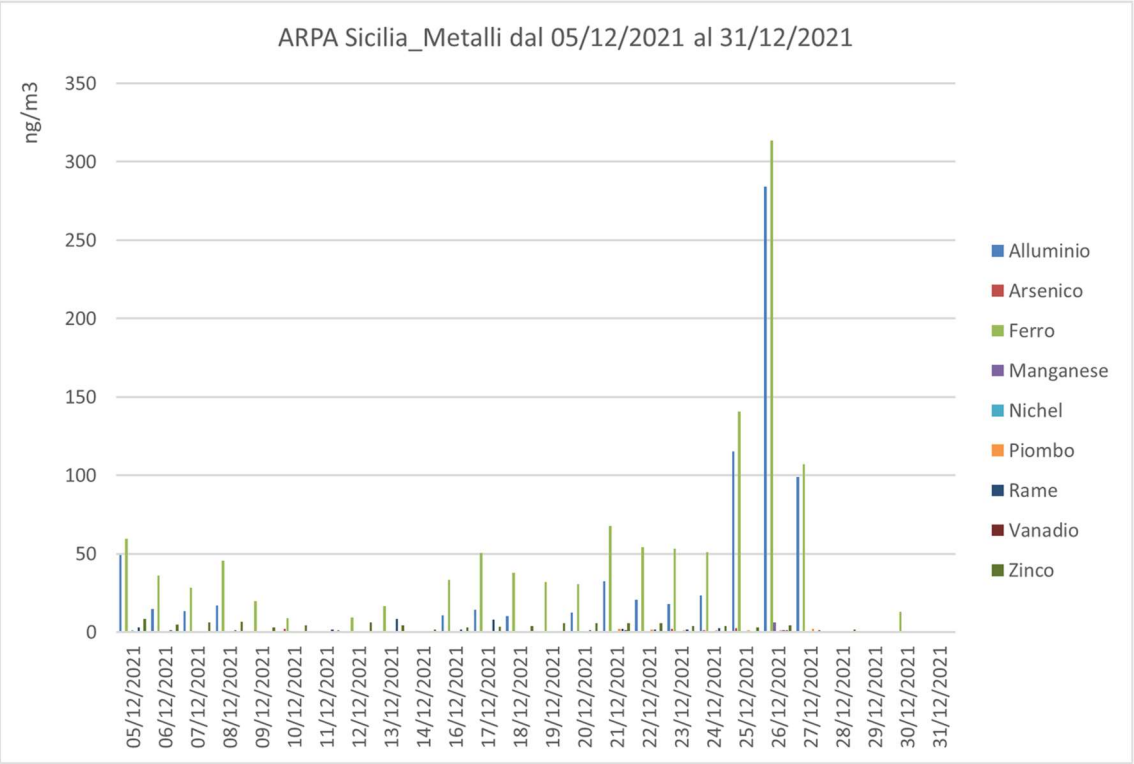

SO2 andamento medio giornaliero
µg/m³
Day
ARPA media 24h
ISPRA media 24h
VL 24h DLg 155/2010
Rif. Giorno WHO

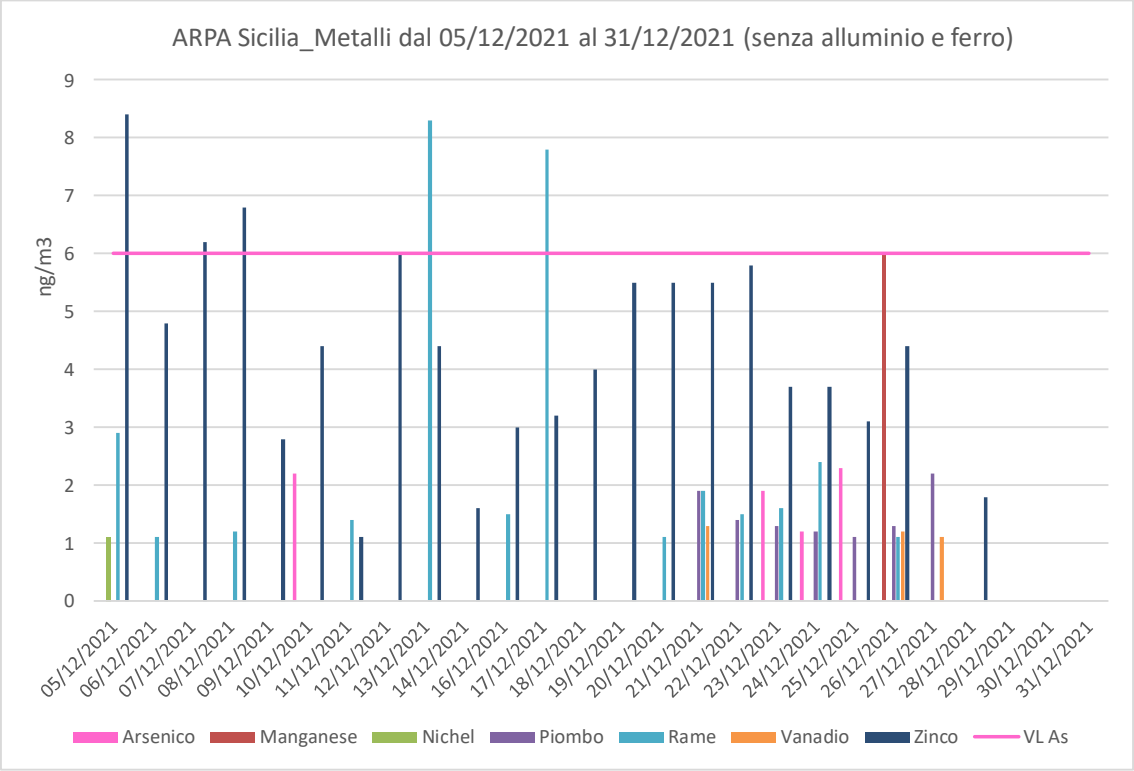
Speciazione PM10 – Metalli

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	

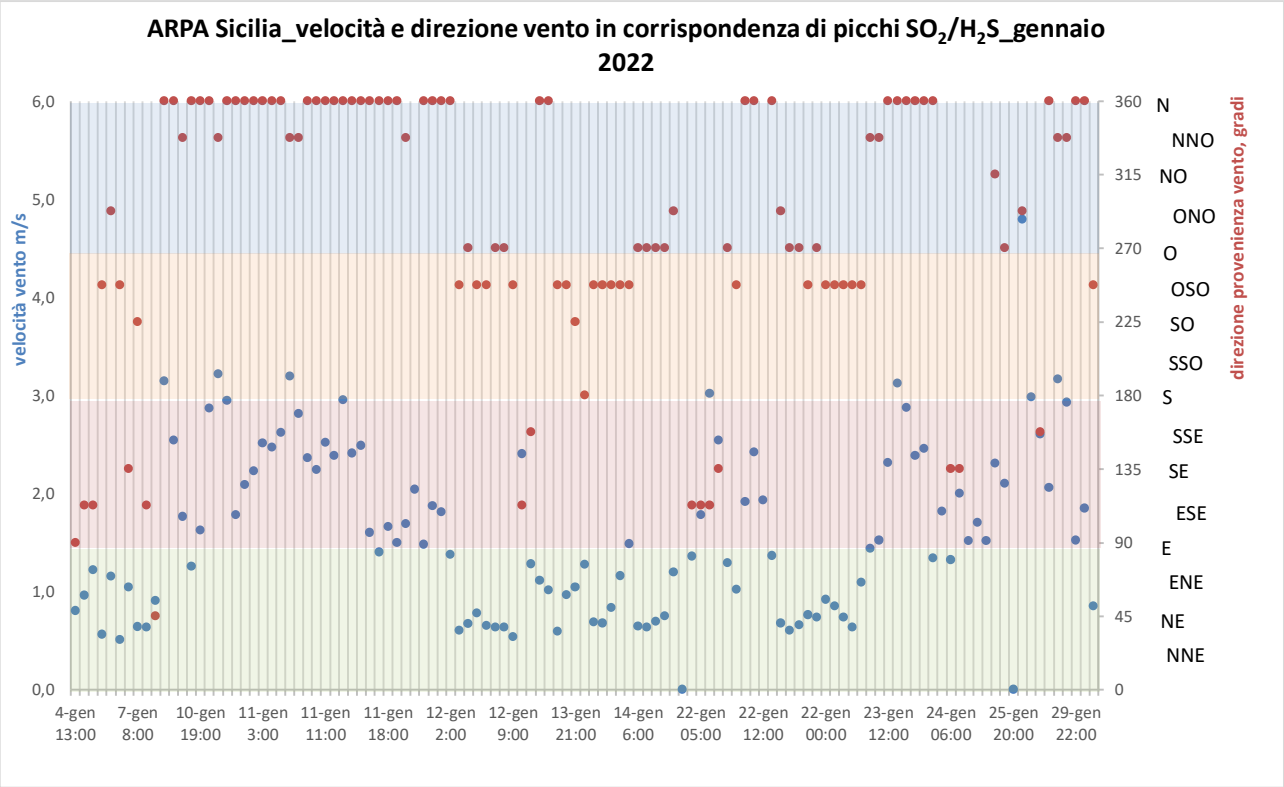
Metalli che hanno superato il LOQ almeno un giorno	Media sui giorni campionati, ng/m³	LOQ, ng/m³	D.Lgs. 155/2010 Limite medio annuo, ng/m³	WHO air quality guidelines for Europe, 2nd edition, 2000 Rischio unitario, *Indice di rischio/tempo di vita* $(\mu g/m^3)^{-1}$
Arsenico	1,9	1	6	1.5×10^{-3}
Manganese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

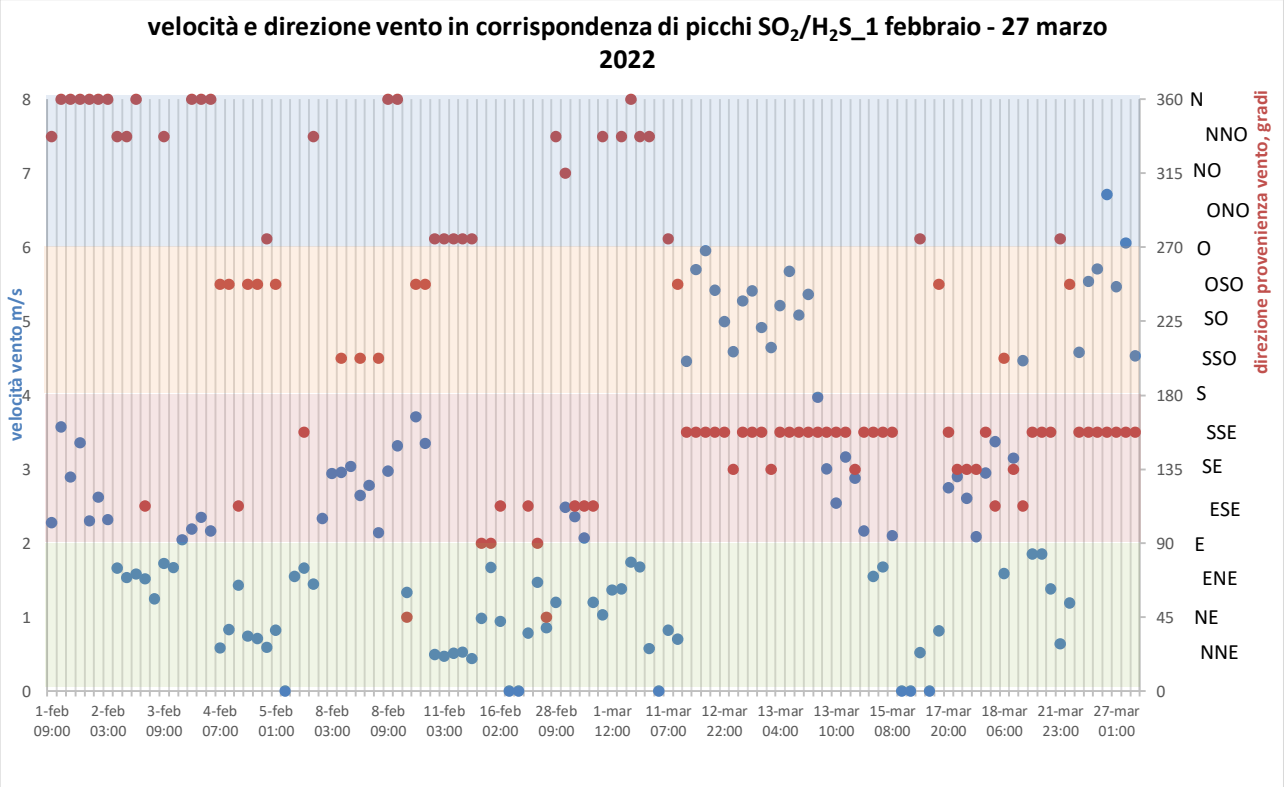

ARPA Sicilia_Metalli dal 05/12/2021 al 31/12/2021
ng/m3
350
300
250
200
150
100
50
0
05/12/2021
06/12/2021
07/12/2021
08/12/2021
09/12/2021
10/12/2021
11/12/2021
12/12/2021
13/12/2021
14/12/2021
16/12/2021
17/12/2021
18/12/2021
19/12/2021
20/12/2021
21/12/2021
22/12/2021
23/12/2021
24/12/2021
25/12/2021
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

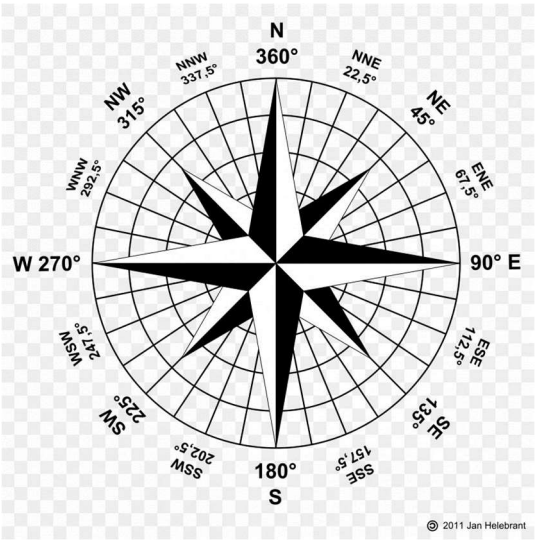
Dati meteo ARPA Sicilia

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


N
360°
NNE
22,5°
NE
45°
ENE
67,5°
90° E
ESE
112,5°
SE
135°
SSE
157,5°
180°
S
SSW
202,5°
SW
225°
WSW
247,5°
W 270°
WNW
292,5°
NW
315°
NNW
337,5°
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