Supplementary Materials:

Vikas Kumar [1], Vasudev Malyan [2] and Manoranjan Sahu [1,2,3]*

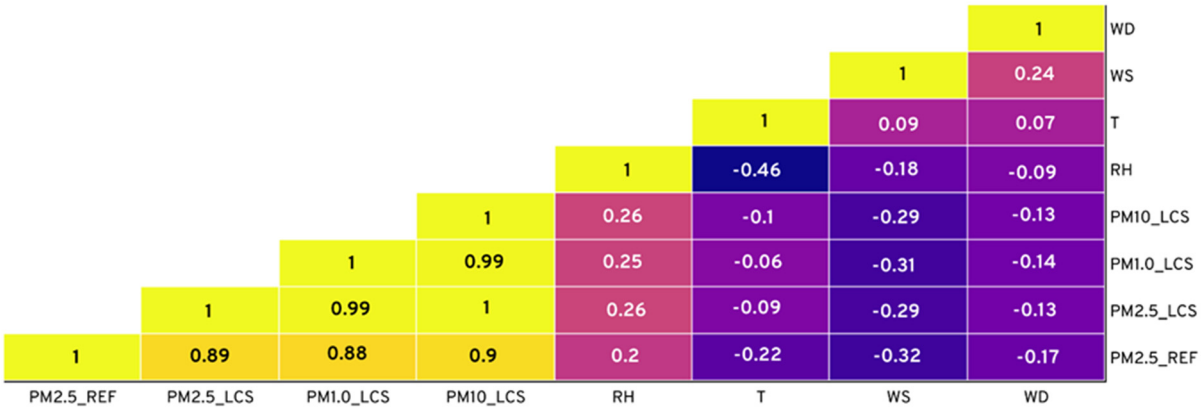


Figure S1. Pearson correlation coefficient between variables used in the study.

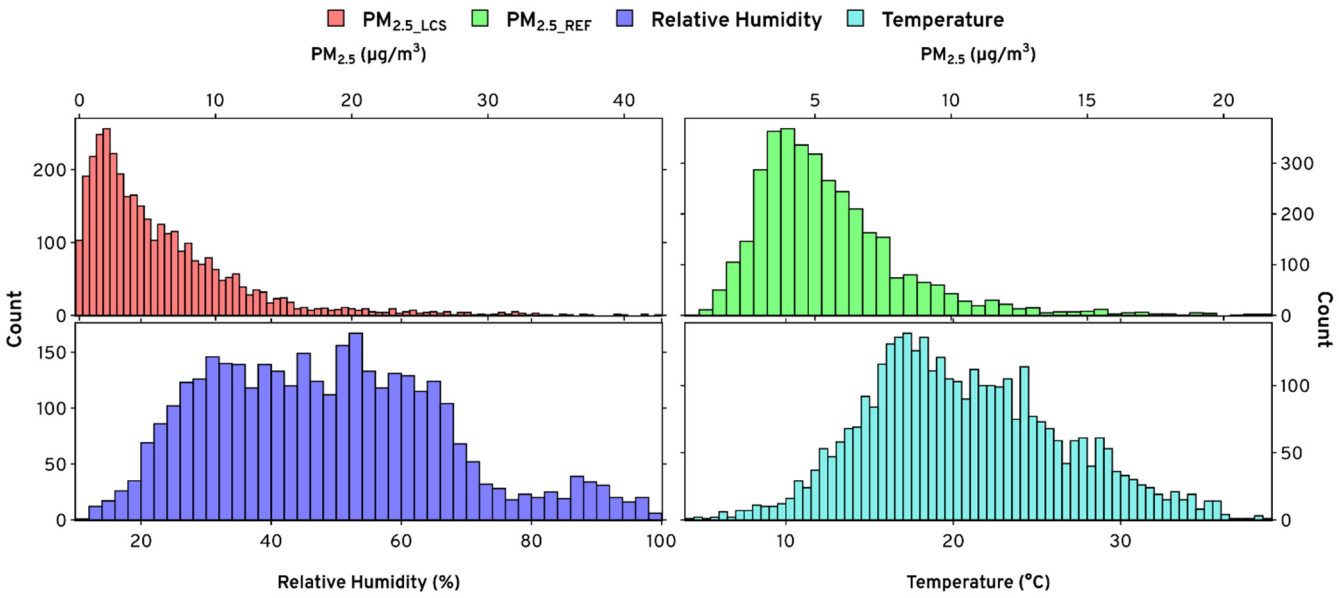


Figure S2. Histogram of variables for the summer season.

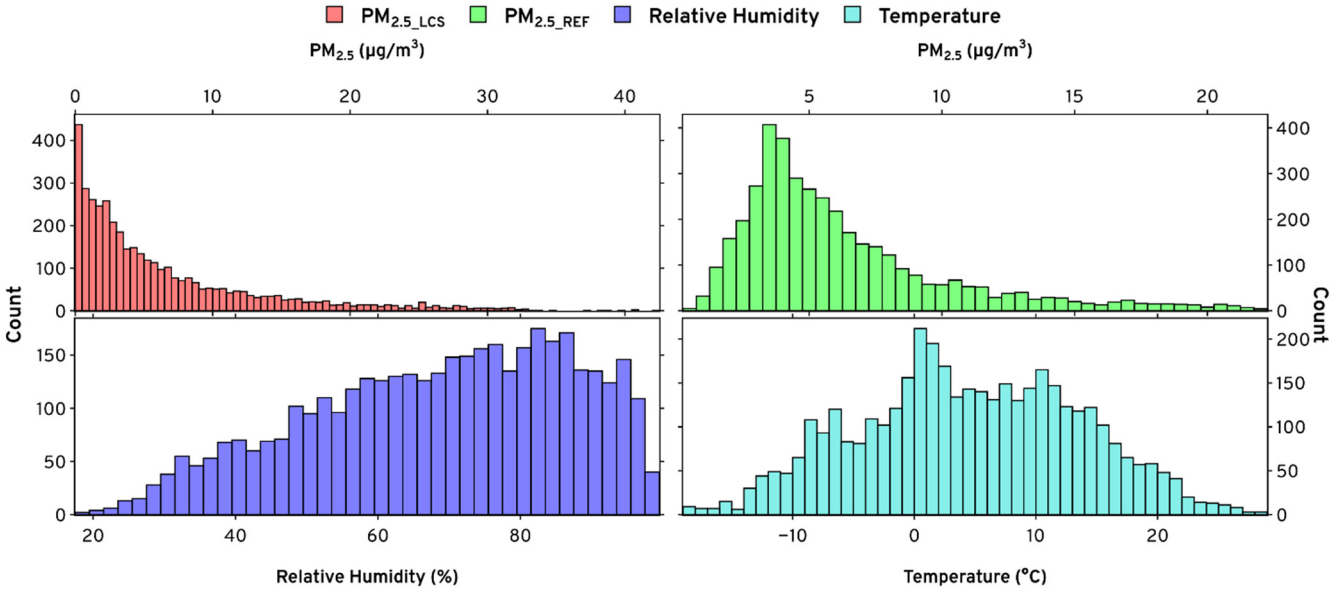


Figure S3. Histogram of variables for the autumn season.

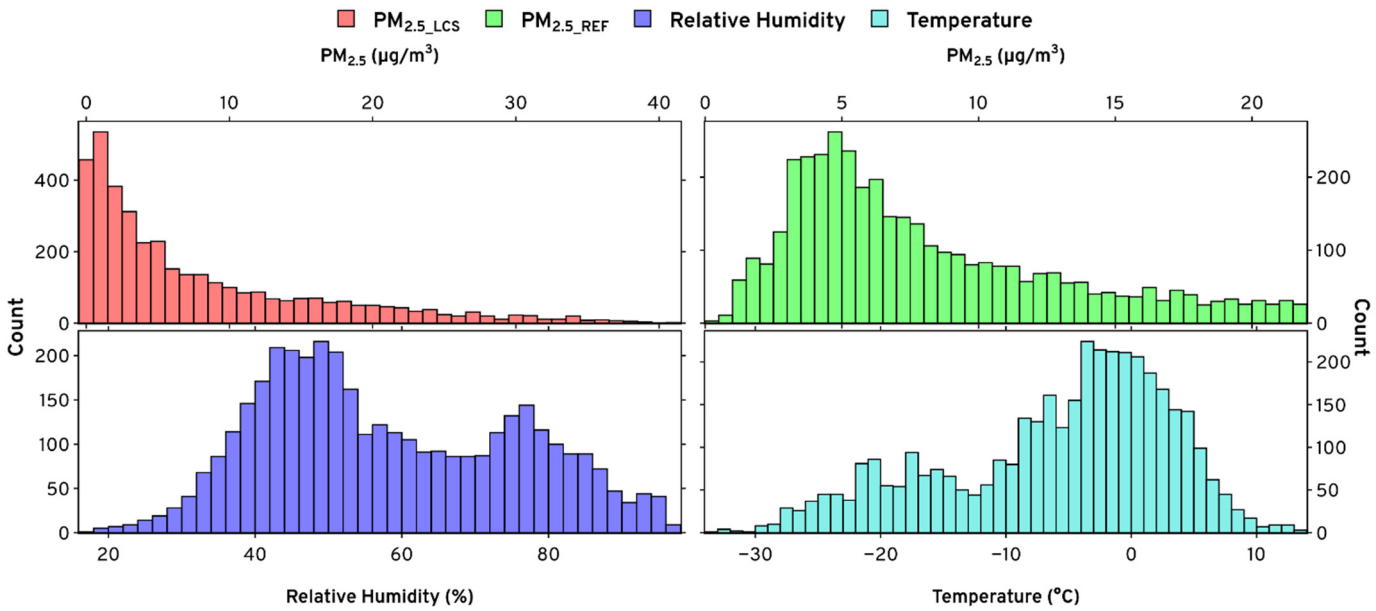


Figure S4. Histogram of variables for the winter season.

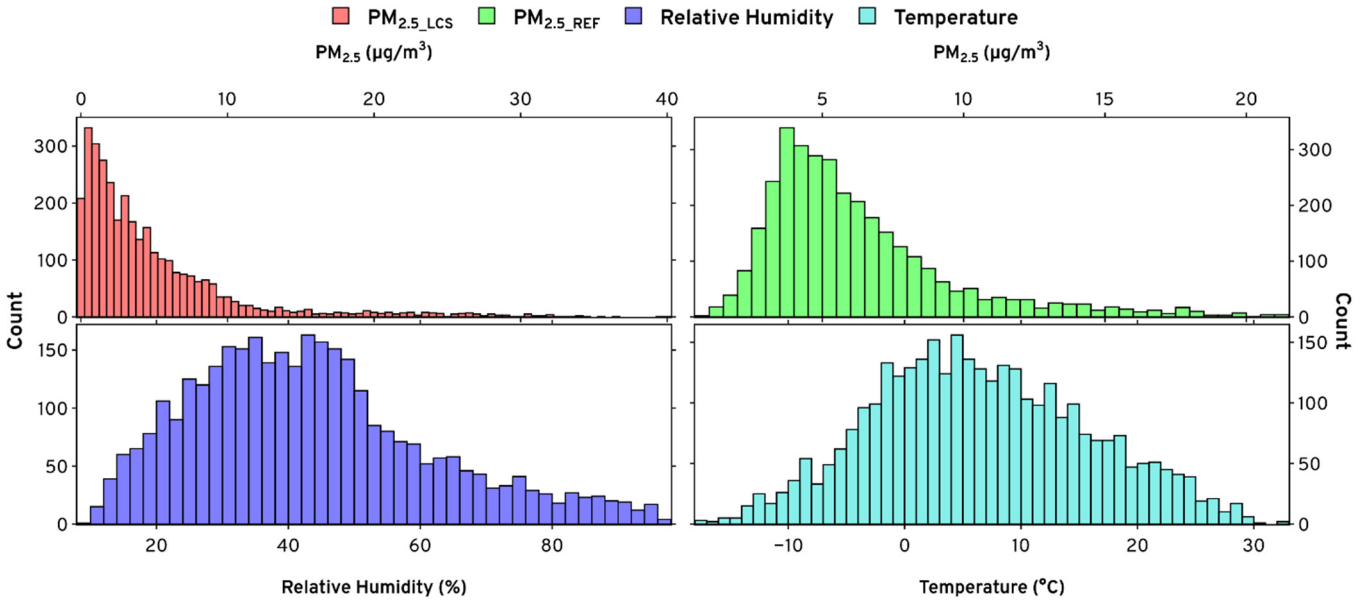


Figure S5. Histogram of variables for the spring season.

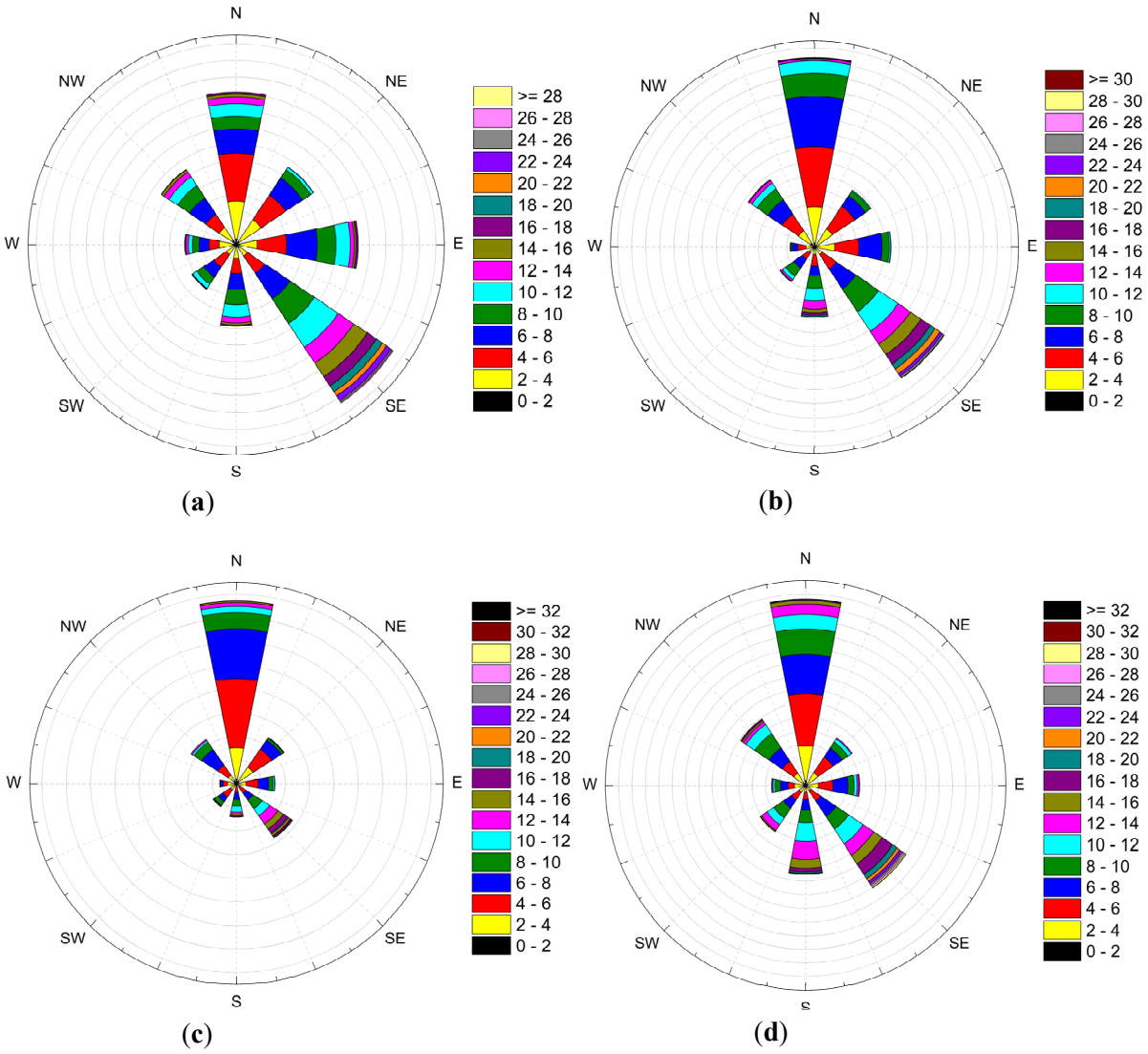
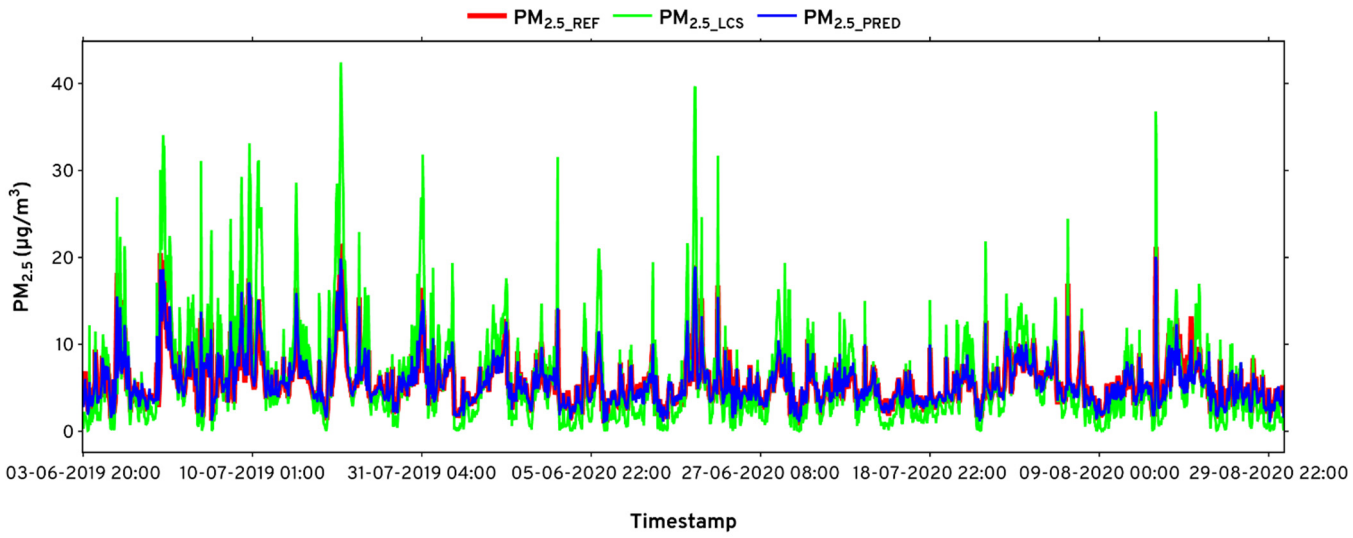
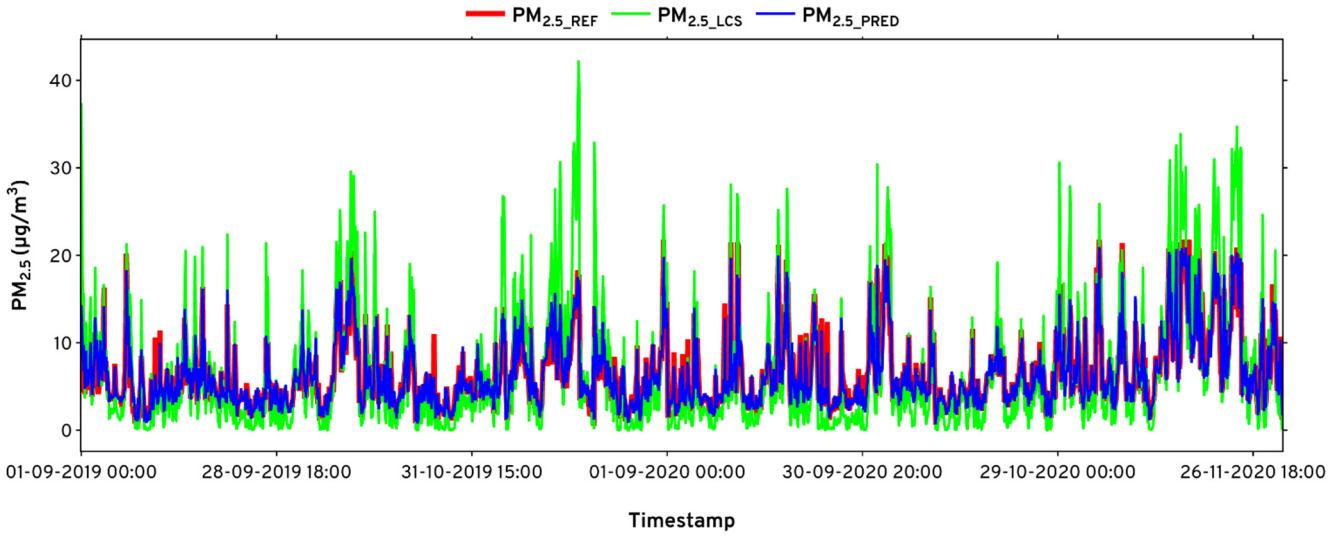


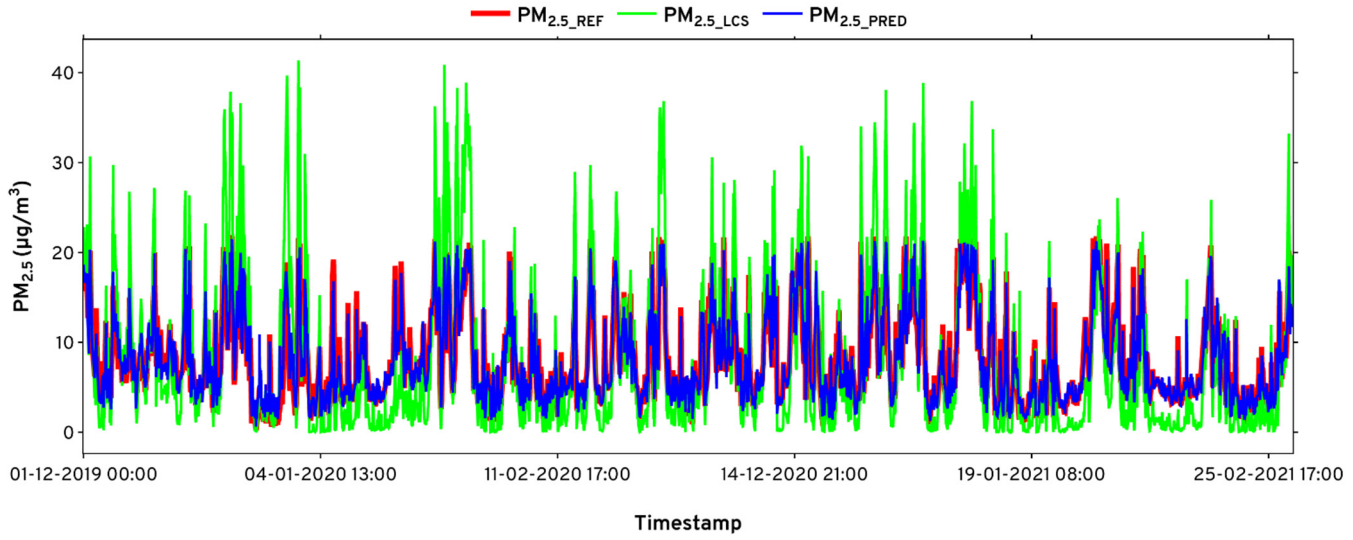
Figure S6. Wind rose plots for the season of (**a**) Summer, (**b**) Autumn, (**c**) Winter and (**d**) Spring.


PM2.5_REF
PM2.5_LCS
PM2.5_PRED
PM2.5 (µg/m3)
0
10
20
30
40
03-06-2019 20:00
10-07-2019 01:00
31-07-2019 04:00
05-06-2020 22:00
27-06-2020 08:00
18-07-2020 22:00
09-08-2020 00:00
29-08-2020 22:00
Timestamp

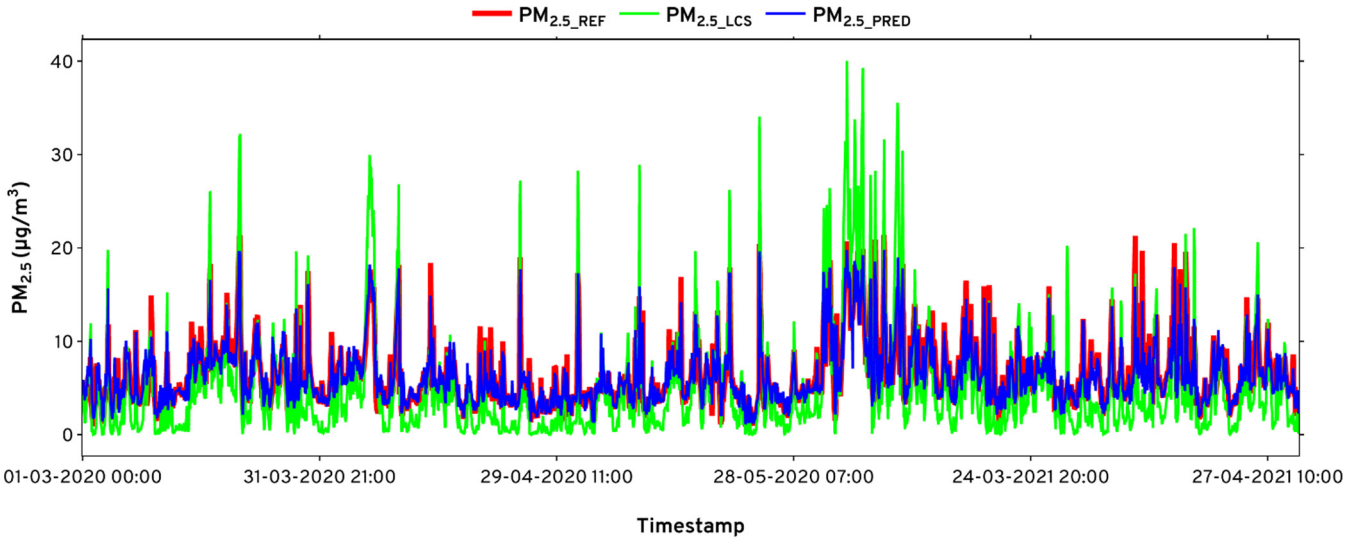
(a)


PM2.5_REF
PM2.5_LCS
PM2.5_PRED
PM2.5 (µg/m3)
0
10
20
30
40
01-09-2019 00:00
28-09-2019 18:00
31-10-2019 15:00
01-09-2020 00:00
30-09-2020 20:00
29-10-2020 00:00
26-11-2020 18:00
Timestamp

(b)


PM2.5_REF
PM2.5_LCS
PM2.5_PRED
PM2.5 (µg/m3)
0
10
20
30
40
01-12-2019 00:00
04-01-2020 13:00
11-02-2020 17:00
14-12-2020 21:00
19-01-2021 08:00
25-02-2021 17:00
Timestamp

(c)



(d)

Figure S7. Comparison of $PM_{2.5_REF}$, $PM_{2.5_LCS}$ and $PM_{2.5_PRED}$ for the season of (**a**) summer, (**b**) autumn, (**c**) winter and (**d**) spring.