

Table 1. Mean values by study area and period of meteorological parameters, road traffic and pollutant concentrations observed on a daily basis at all stations. Corresponding 2020-to-2019 change rates (%) are reported in italics ^{a,b,c}.

Variable	Study area											
	Milan		Bologna		Florence		Rome		Naples		Palermo	
	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020
Meteorology												
T (°C)	13.8	13.1	13.3	12.5	13.3	12.7	12.7	12.5	13.5	13.1	14.3	15.5
		<i>-5.1</i>		<i>-6.0</i>		<i>-4.5</i>		<i>-1.6</i>		<i>-3.0</i>		<i>+8.4</i>
RH (%)	52.7	53.4	51.5	50.0	51.0	48.9	67.6	70.4	68.1	69.6	72.3	70.3
		<i>+1.3</i>		<i>-2.9</i>		<i>-4.1</i>		<i>+4.1</i>		<i>+2.2</i>		<i>-2.8</i>
WS (m/s)	1.98	1.85	2.75	2.74	2.40	2.30	2.70	2.60	2.80	2.70	5.00	5.00
		<i>-6.6</i>		<i>-0.4</i>		<i>-4.2</i>		<i>-3.7</i>		<i>-3.6</i>		<i>0</i>
Rain (mm)	1.5	1.6	1.1	0.7	1.2	0.7	1.2	1.5	NA	NA	NA	NA
		<i>+6.7</i>		<i>-36.4</i>		<i>-41.7</i>		<i>+25.0</i>		<i>NA</i>		<i>NA</i>
Rad (W/m ²)	175.8	170.5	189.3	192.1	192.2	191.2	197	199.1	199.3	196.1	211.3	194.2
		<i>-3.0</i>		<i>+1.5</i>		<i>-0.5</i>		<i>+1.1</i>		<i>-1.6</i>		<i>-8.1</i>
CC (%)	66.7	67.9	64.2	62.2	65.6	63.3	63.7	61.4	63.9	64.4	61.3	66.1
		<i>+1.8</i>		<i>-3.1</i>		<i>-3.4</i>		<i>-3.5</i>		<i>+0.8</i>		<i>+7.8</i>
Normalized road traffic (%)	1.00	0.40	1.00	0.52	1.00	0.50	1.00	0.48	1.00	0.42	1.00	0.52
		<i>-60</i>		<i>-48</i>		<i>-50</i>		<i>-52</i>		<i>-58</i>		<i>-48</i>
Pollutant concentrations by station type (µg/m³)												
NO ₂ (UT)	47.3	35.5	40.9	24.6	46.9	26.3	48.5	25.8	47.0	24.8	50.5	34.3
		<i>-24.9</i>		<i>-39.9</i>		<i>-43.9</i>		<i>-46.8</i>		<i>-47.2</i>		<i>-32.1</i>
NO ₂ (UB)	42.2	27.5	18.7	14.0	20.1	14.6	38.7	22.6	24.7	10.1	18.8	21.3
		<i>-34.8</i>		<i>-25.1</i>		<i>-27.4</i>		<i>-41.6</i>		<i>-59.1</i>		<i>+13.3</i>
O ₃ (SB)	51.9	58.5	48.7	52.7	73.8	72.9	49.5	56.8	70.9	73.8	73.7	83.8
		<i>+12.7</i>		<i>+8.2</i>		<i>-1.2</i>		<i>+14.7</i>		<i>+4.1</i>		<i>+13.7</i>
O ₃ (UB)	48.1	53.6	52.8	52.5	63.4	61.6	50.2	54.2	61.6	51.3	69.5	69.5
		<i>+11.4</i>		<i>-0.6</i>		<i>-2.8</i>		<i>+8.0</i>		<i>-16.7</i>		<i>0</i>
PM ₁₀ (UT)	30.3	28.0	22.2	21.3	22.8	17.9	26.4	23.2	23.2	23.8	30.5	20.9
		<i>-7.6</i>		<i>-4.1</i>		<i>-21.5</i>		<i>-12.1</i>		<i>+2.6</i>		<i>-31.5</i>
PM ₁₀ (UB)	28.5	29.0	19.1	17.5	18.3	16.8	24.6	21.5	26.0	27.9	18.0	14.3
		<i>+1.8</i>		<i>-8.4</i>		<i>-8.2</i>		<i>-12.6</i>		<i>+7.3</i>		<i>-20.6</i>
PM _{2.5} (UT)	19.3	20.7	13.6	14.0	14.7	12.2	13.9	14.3	13.2	14.4	NA	NA
		<i>+7.3</i>		<i>+2.9</i>		<i>-17.0</i>		<i>+2.9</i>		<i>+9.1</i>		<i>NA</i>
PM _{2.5} (UB)	20.9	18.1	10.8	11.2	11.4	11.4	12.6	12.9	12.0	12.5	NA	NA
		<i>-13.4</i>		<i>+3.7</i>		<i>0.0</i>		<i>+2.4</i>		<i>+4.2</i>		<i>NA</i>

^a 2019-period: 25/02/2019–02/05/2019; 2020-period: 24/02/2020–30/04/2020. Sample size for each period: 67 records.

^b Code for air quality station type: UT, Urban Traffic; UB, Urban Background; SB, Suburban Background.

^c Not Available (NA) data: Rain (Naples, Palermo); PM_{2.5} concentrations (UT & UB, Palermo).