

Dear Topical Editor,

We welcome all the comments and suggestions made, which have helped us improve our manuscript. We trust that we have responded satisfactorily to all your comments in the document attached to this response.

<p>Line 250: please add more interpretation on how to calculate the partial dependencies in Figs. S9 and S11.</p>	<p>Lines from 249 to 253 were added: “Partial dependencies plots were also built using the rmweather library of R (Grange et al., 2018; Grange and Carslaw, 2019) to highlight the relationships between pollutant concentrations and all explanatory variables presented in Table 3, and can be seen in the Supplementary Information (Figs. S9 to S11). By obtaining the prediction from the random forest model for each unique value of a specific explanatory variable, these plots allow us to analyze how this dependency varies for different values of the explanatory variable, and therefore help us to detect non-linear relationships, which are highly relevant in air quality.”</p>
<p>Line 265: In Fig.S4, there is no O3-CO ratio from the plot (red dots are missing) and please add it on.</p>	<p>Thank you for pointing this out, they were out of scale, the plot was corrected.</p>
<p>Please mark the title of x-axis of Fig.3.</p>	<p>Figures were corrected as you suggested and also Figs. 6 and 7 where the x-axis was also missing.</p>
<p>Please mark the title of x-axis of Fig.S9.</p>	
<p>Please mark the title of the x and y axis of Fig.S9 and Fig.S11.</p>	
<p>Please indicate which year it was for Fig.S5.</p>	<p>The legend was modified to add the period for that figure: “during the training period (February 2019 to February 2020)”</p>
<p>The authors did a great job to export the variable importance plots (Fig. S6 – S8) but it was not mentioned in the main text. It would be great to add those importance plots analysis in section 3.2.</p>	<p>As Section 3.2 was focused on assessing the lockdown changes, we expanded the variable importance plots analysis in Section 3.1 where the general analysis of the random forest model was done (Lines 279-287). Also Figure 5 was added with the Variable importance for CO.</p>