

Errata of the review: I realized that I mistaken the description of the time frame of the wildfire. Being the episode happened from 24 April to 10 May 2006 the period is clearly "spring" and not "summer" as I erroneously stated in the text. Please read "spring" everywhere I refer to "summer".

We would like to emphasize that there is a fundamental difference between spring and summer fires 2006 (Sofiev et al., 2006). During the spring widespread wildland fires over western Russia, the burning material mainly consisted of previous-year grass remnants, which were dried up by the beginning of the fires. On the contrary, summer fires 2006, took place in Northern Europe and in South-Eastern Europe. The burning material was a mixture of grass, agricultural remnants (mainly in the south), but also bog and forest trees (mainly in the north). Given that the burning material determines fire emissions and consequently photochemistry, our results must be interpreted based on the choice of this specific case study and burning material. This is a main outcome of our study when we replaced grass with agricultural residues.