

We thank the editor for accepting our manuscript. As requested, we have updated the color schemes used in your maps and charts as well as the "Competing interest statement".

We have also made the following two minor changes:

1. line 107: we corrected a small typo for the simulated molar yield of H₂ from isoprene and terpene (0.56 and 0.70, respectively (and not 0.57 and 0.66)). We apologize for the mistake
2. line 126: we clarified that the increase in the photochemical source of H₂ does not include non-methane VOCs from biomass burning and anthropogenic origins.