

Thank you for your valuable feedback on our manuscript. We appreciate your comment and have taken your suggestion into consideration. Specifically, we have made the recommended changes to the paper as per your suggestion. We believe that this will improve the manuscript and thank you for helping us to enhance the quality of our work. Once again, we thank you for your time and effort in reviewing our manuscript.

**1. Comments:** Ln. 351. “This indicates that lime’s contribution to the global carbon cycle is significant and should be take into account when considering strategies to mitigate carbon emissions.” I would suggest writing this sentence as “This indicates that lime production contributes to the global carbon cycle and should be taken into account for better accuracy in national emission inventories.”

**Response:** Thank you for your valuable feedback on our previous draft. We appreciate your suggestion and have made the necessary correction accordingly.

**Changes:** The sentence in line 351 has been rewritten. “This indicates that CO<sub>2</sub> uptake by lime contributes to the global carbon cycle and should be taken into account for better accuracy in national emission inventories.”