

**Editor.**

The authors have addressed the reviewers' questions and concerns comprehensively. As required by the journal, however, the current abstract and concluding section have several missing elements that we are obliged to request the authors to add before the paper can be accepted. Please follow the guidelines provided in the link below to revise the abstract and concluding sections; after the editor's brief review of the final revision, the manuscript should be able to be accepted as it is.

We would like to sincerely thank the editor, which have helped us improve the manuscript.

- 1) The abstract has been reworded to meet all requirements, including the word count limit of fewer than 250 words.
- 2) In the conclusions the sentence: "That permitted to investigate ammonia pollution in south-eastern Europe, and that, well before the onset of the industrial period in 1850," – was reworded:  
*"With respect to previous studies conducted in the Alps in relation with pollution in western Europe since 1850, this study permitted to investigate ammonia pollution in south-eastern Europe, and that, well before the onset of the industrial period in 1850."*
- 3) We added a sentence in the conclusion:  
*"Overall, this work on historical NH<sub>3</sub> emission trends, provide valuable information to atmospheric and environmental science, especially in the context of increasing agricultural practices and climate change."*