

## ***Interactive comment on “Controls over N<sub>2</sub>O, NO<sub>x</sub> and CO<sub>2</sub> fluxes in a calcareous mountain forest soil” by B. Kitzler et al.***

### **Anonymous Referee #1**

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This manuscript handles factors influencing emission of N<sub>2</sub>O, NO and CO<sub>2</sub> from an alkaline forest. The paper itself does not bring exciting data but it is a solid piece of research. The authors know the recent information in the field of emission of GHG and influencing factors. The ecosystem they studied is of particular interest because it handles an alkaline forest, where most of the existing literature refers to acid forests. I can follow the authors' reasoning in the discussion. Only on one point, clarification is necessary. Gas sampling (AGPS) is done once a day at 6 p.m. because highest emissions were expected at morning dew. As such, I think, overestimation of emission will be obtained when extrapolating. Why is the measurement not done at a moment, where a mean day value is to be expected ?

Interactive comment on Biogeosciences Discussions, 2, 1423, 2005.

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