Interactive comment on “Nitrogen storage and variability in paddy soils of China” by J. S. Lin et al.

Anonymous Referee #1

Received and published: 10 March 2010

The study analysed the N storage in Chinese paddy soils regarding different soil groups and cropping systems. The study is based on a large and interesting dataset; the data evaluation is in most parts comprehensible. The manuscript is clearly structured and well written. I recommend publication after minor revision.

Abstract, l. 9-10: Also in the abstract, you should briefly specify HOW different management systems affect soil N density.

2.2 Data source, l. 5-8: The described methods were applied to each soil horizon of a 1-m soil profile?

3 Results and discussion, l. 19 (and later on): Calculation of the mean N density is not exactly described: was it calculated regarding the different paddy soil areas?

3.4 Other factors affecting total N... first paragraph: you should scale back the significance of most correlations (temperature, texture). You have reduced their relevance in the next paragraph anyway.
Interactive comment on Biogeosciences Discuss., 7, 855, 2010.