Response to Associate Editor

Dear Authors

thank you very much for carefully responding to the three reviews. There is no doubt that the open discussion was fruitful.
Following suggestions by the reviewers, I ask for major revision, which will involve review by the reviewers.

Please upload the revised manuscript including improved quality figures as suggested by two of the reviewers,

With kind regards,
Andreas

Dear Andreas Ibrom, dear Editor,

We hereby would like to take the opportunity and submit a revised version of our manuscript *"Nitrogen concentrations in boreal and temperate tree tissues vary with tree age/size, growth rate and climate"*. We are very grateful for the thoroughly performed review and very much appreciate the Reviewers and your feedback. It helped us to further improve the clarity and conciseness of the manuscript.

Please find the revised manuscript attached. The point-by-point responses to the reviews including information on the implemented changes in the manuscript have already been provided earlier.

We now include figures with improved font size of the figure legends and axes as requested. We also include the results of our additional analyses on the relationships between leaf N concentrations and season and needle age in Supporting Information S9 and also refer to them in the main manuscript.

We are looking forward to a re-evaluation of the manuscript based on the improvements made and hope that it can be accepted for publication in Biogeosciences.

Sincerely,
Martin Thurner
On behalf of all Authors