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Title: A new method for estimating carbon dioxide emissions from drained peatland forest soils for the greenhouse gas inventory of Finland

Author(s): Jukka Alm et al.

MS type: Research article

Answers to referee statements

Dear Editor,

Please find our answers to referee statements after minor revisions.

Figure 1.

The main concern of the referee was Figure 1, which has now been remade using the suggested approach of showing the data sources and workflow. We also marked those parts of the procedure that have been updated by the new dynamic method. Grey boxes have been added to indicate the characteristics of the previous method applied in the Finnish GHG inventory, in comparison to the present method.

L 359

Typos: CO₂-subscripts are now in place.

L 383-384

The expressions for geological formations, major water divides called “Suomenselkä” and “Maanselkä” were understood as an incomplete literature reference. The expression has been refined so that the context is better understandable.

On behalf of all co-authors,

Jukka Alm