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## ***Interactive comment on “Carbon dynamics in boreal peat-lands of the Yenisey region, Western Siberia” by E. D. Schulze et al.***

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Concerning the discussion, I agree that the Separation of DOC and POC is a Major step Forward in peat Research, but for us it is a technical advance. It does not solve the science question which emerged from our data: how can a fen accumulate several meters in depth maintaining over several thousand years shallow waters? This fact has been overseen in past Research, and thus, we think, one page of "speculative" discussion is warranted. The main suspicion is indeed, that the Migration of nomadic People, who invaded along rivers, may have affected the beaver populations. We already received a positive response by zoologists. True, it will be hard, if not impossible, to excavate old beaver dams. But, we never looked for this. Having in mind the animal artifacts which I saw with Zimov at Cherskii, we should have searched along the

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present river Banks. It is a pity that I will not be in a Position to do this in the future.

In Terms of Science I regret that we could not solve the question, of how much DOC reaches the surface waters. Indeed, it remains a pity that our planned river tour fell into political waters.

Fig. 8 will Need a better legend. The landscape with the Arrangement of Vegetation types indicates that water flows from "upland" pine forests towards" lowland "Sphagnum peatlands.

Detlef Schulze

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**BGD**

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