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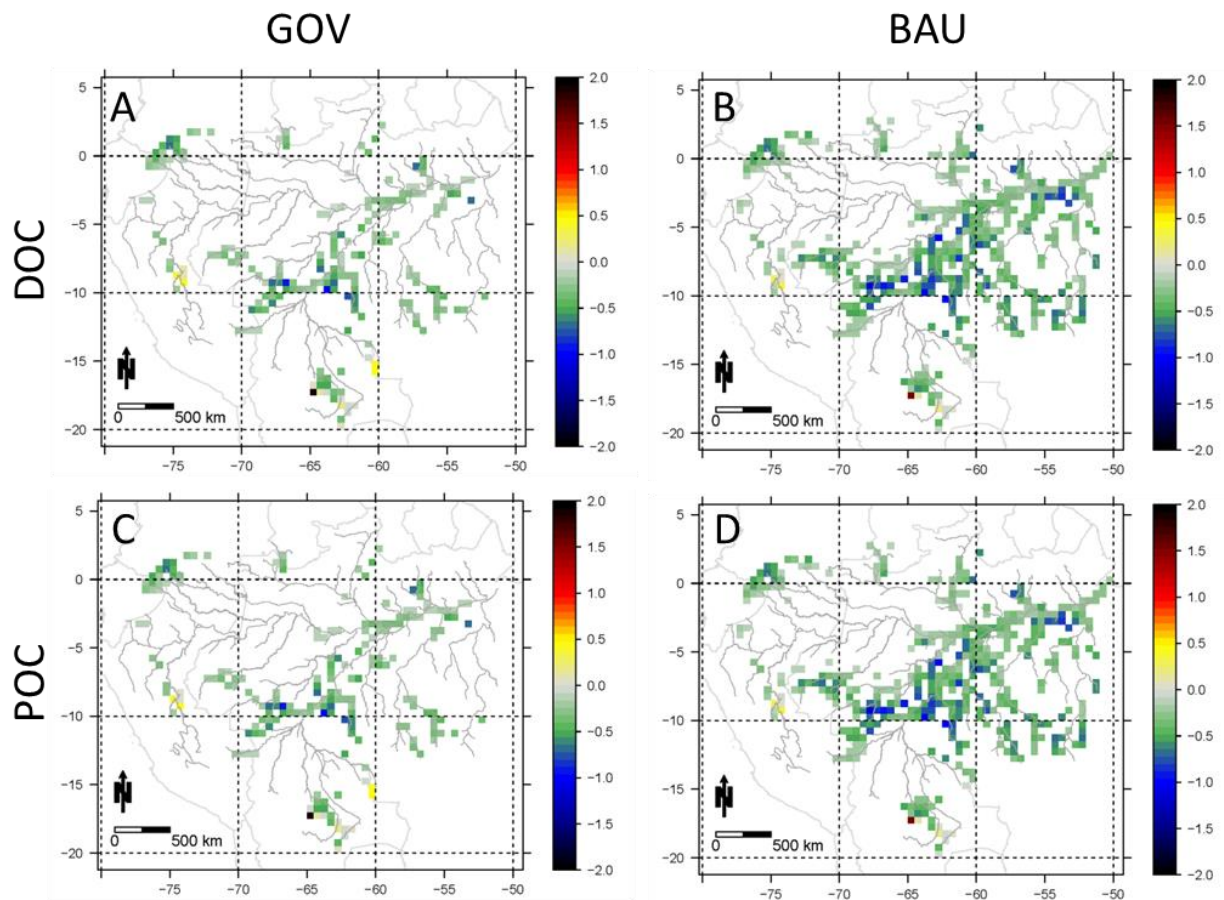
Supplement of

Deforestation in Amazonia impacts riverine carbon dynamics

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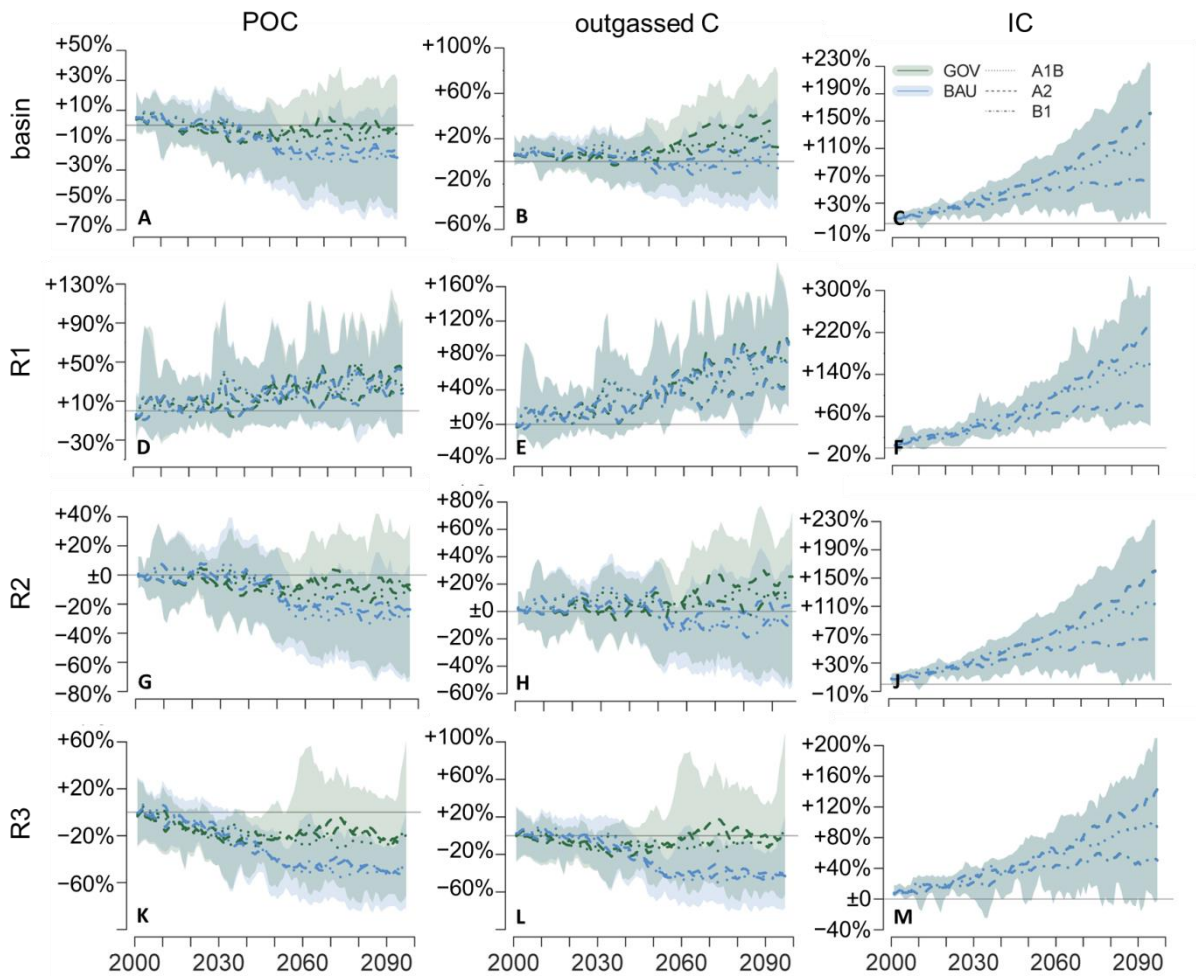
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23 **Figure S1: Similar change in dissolved (A, B) and particulate organic carbon (C, D) due**
 24 **to deforestation.** SRES scenario is A1B, climate model is MPI-ECHAM5. Positive values
 25 (yellow and red) indicate a gain and negative values (green and blue) indicate a loss in carbon
 26 caused by deforestation (GOV and BAU). Only cells with significant changes ($p < 0.05$,
 27 Wilcoxon Rank Sum Test) are shown.

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30 **Figure S2: Temporal change in riverine organic carbon due to the combination of**
 31 **climate and land use change.** Change of annual sum of carbon in the deforestation scenario
 32 (GOV or BAU) compared to the NatVeg scenario (average over 1971-2000) for the whole
 33 basin (A-C) and the three sub-regions (R1-R3; D-M) as 5-year-mean for GOV (green) and
 34 BAU (blue), representing $E_{CCDefor}$. The shaded areas indicate the full range of values of all
 35 five climate models. Bold lines represent the 5-year-mean of the five climate models.

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