Global Energy Policy Research | GEPR

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?? ?? · Sunday, April 24th, 2022



Yuuji/iStock

?????60???70??

???0.4??????????????????

??? ????????????????????????????

????????????????????

??C??????60-70N?-0.4????????????????????????

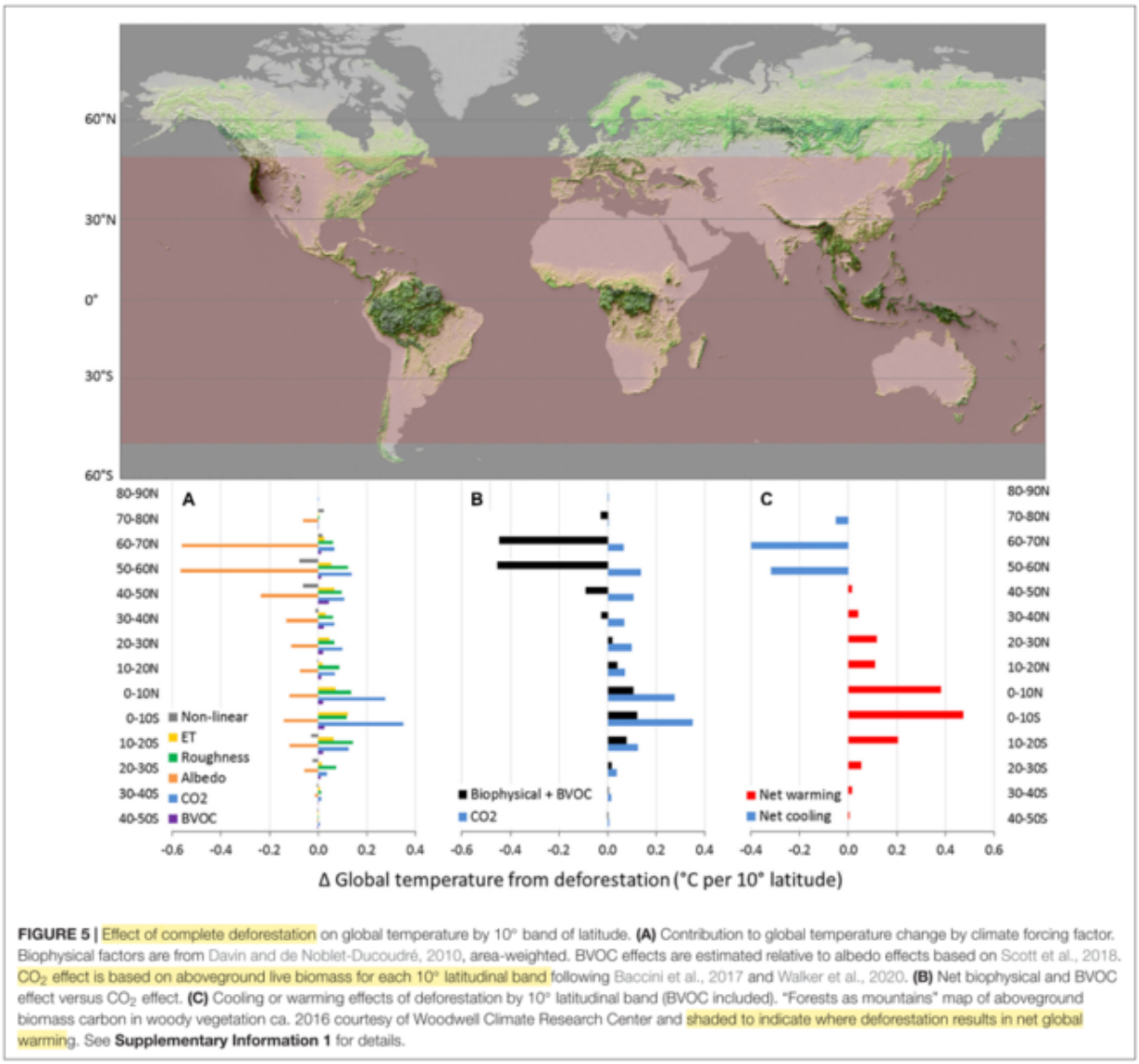


FIGURE 5 | Effect of complete deforestation on global temperature by 10° band of latitude. **(A)** Contribution to global temperature change by climate forcing factor. Biophysical factors are from Davin and de Noblet-Ducoudré, 2010, area-weighted. BVOC effects are estimated relative to albedo effects based on Scott et al., 2018. CO_2 effect is based on aboveground live biomass for each 10° latitudinal band following Baccini et al., 2017 and Walker et al., 2020. **(B)** Net biophysical and BVOC effect versus CO_2 effect. **(C)** Cooling or warming effects of deforestation by 10° latitudinal band (BVOC included). "Forests as mountains" map of aboveground biomass carbon in woody vegetation ca. 2016 courtesy of Woodwell Climate Research Center and shaded to indicate where deforestation results in net global warming. See **Supplementary Information 1** for details.

?????????????CO2??

????????????????????????????????

1. ?????????CO2?????

??????????????????

2. ?????????????Albedo?
3. ????????????(??ET, Evaporation & Transpiration???????????????
4. ??????????????????????????(???Roughness)

??????

??60-70????CO2??A,B??

??

???????????30?????30?????CO2????????????3, 4??????????????????A??

??????????????????????CO2????????????????????????????????????

??????????????????????????????????????

????????40???50?????CO2??

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