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## Effect of vegetation change upon the polar amplification

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In the present study, we investigated the effect of vegetation change upon the polar amplification in two warming experimants, 6ka (climate optimum) and doubled atmospheric CO2, using an atmosphere-ocean-vegetation coupled general circulation model. The result indicates vegetation change and related albedo-feedback in both experiments strengthenes the polar amplification.

Keywords: GCM, Atmosphere-vegetation interaction, polar amplification