

Figure S1

Future distribution of *Leucobryum aduncum* in year 2061-2080 under the scenario CMIP6 SSP2-4.5, model CNRM-CM6-1. (a) Future habitat suitability (b) Future presence-absence at the threshold 0.57.

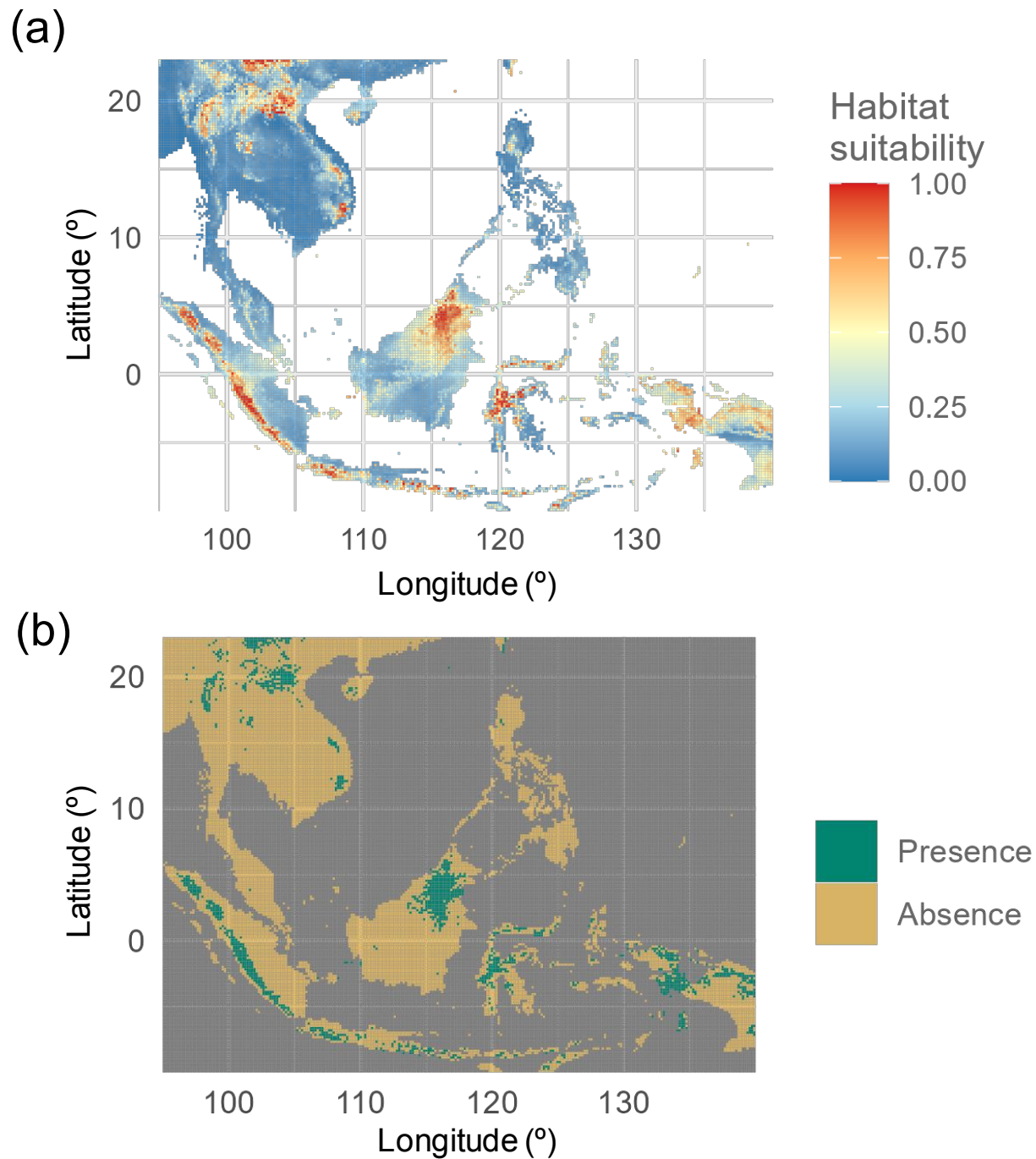


Figure S2

Future distribution of *Leucobryum aduncum* in year 2061-2080 under the scenario CMIP6 SSP2-4.5, model EC-Earth3-Veg. (a) Future habitat suitability (b) Future presence-absence at the threshold 0.57.

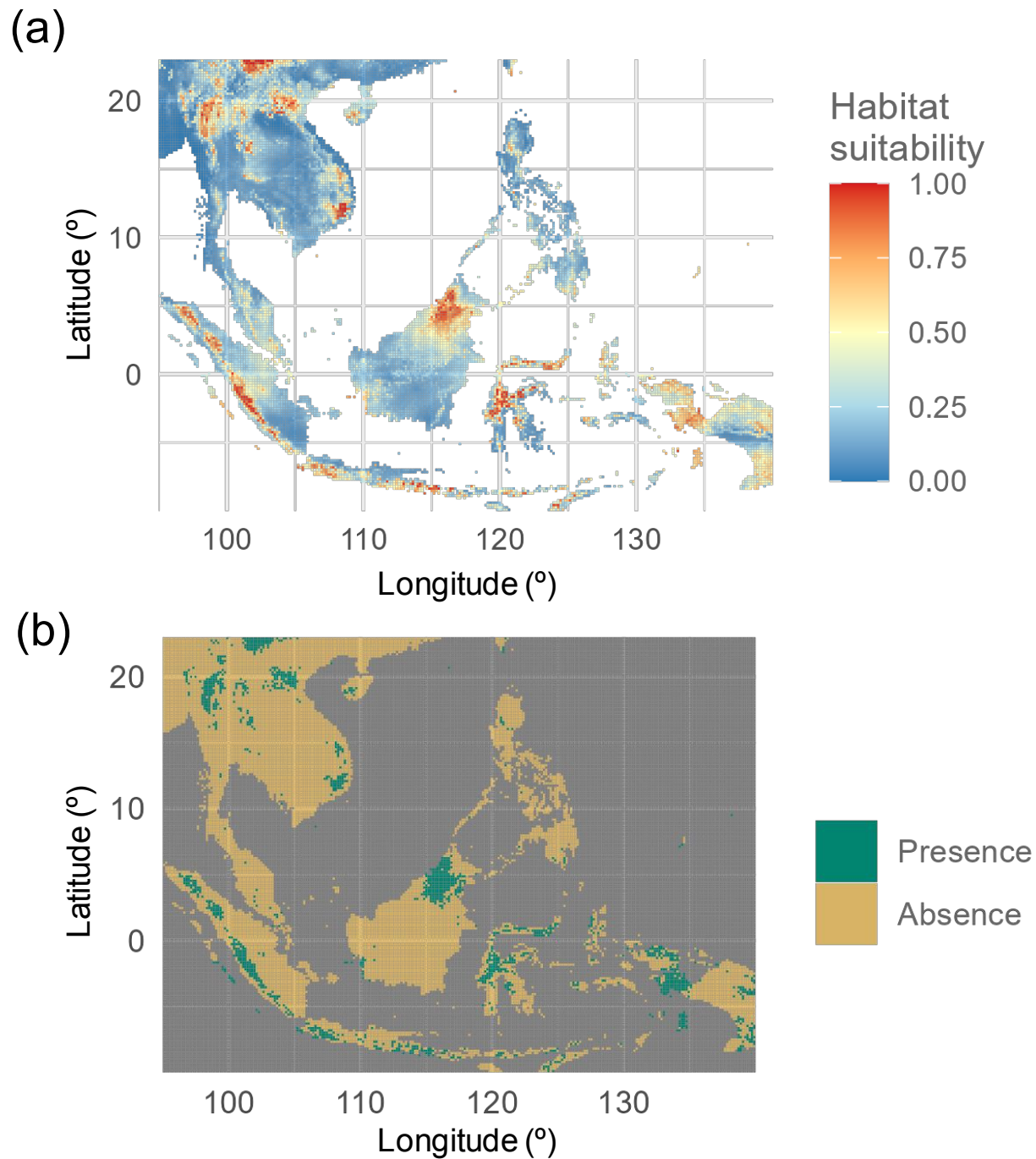


Figure S3

Future distribution of *Leucobryum aduncum* in year 2061-2080 under the scenario CMIP6 SSP2-4.5, model model MPI-ESM1-2-HR. (a) Future habitat suitability (b) Future presence-absence at the threshold 0.57.

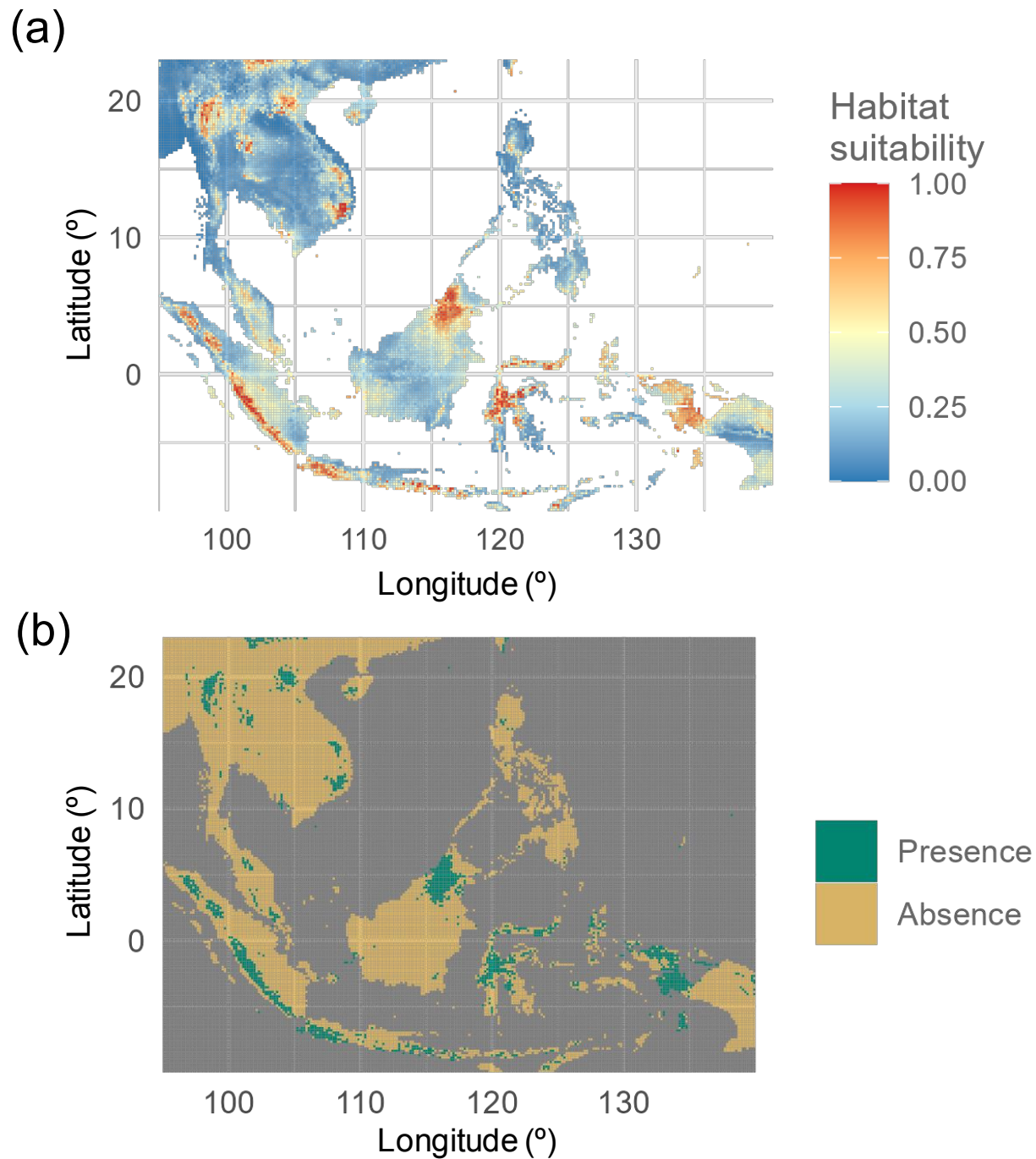


Figure S4

Future distribution of *Leucobryum aduncum* in year 2061-2080 under the scenario CMIP6 SSP2-4.5, model MPI-ESM1-2-LR. (a) Future habitat suitability (b) Future presence-absence at the threshold 0.57.

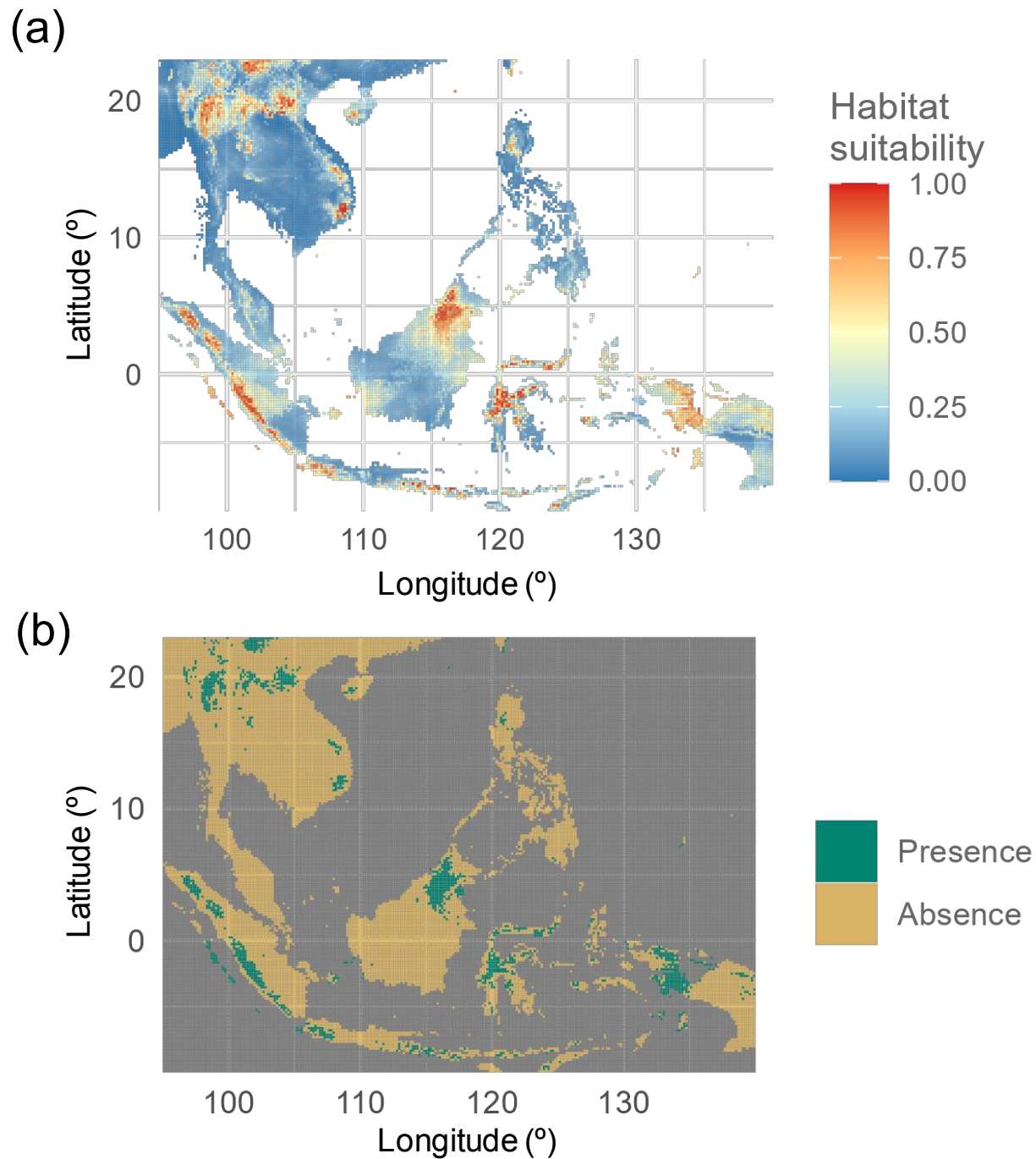


Figure S5

Future distribution of *Leucobryum aduncum* in year 2061-2080 under the scenario CMIP6 SSP2-4.5, model MRI-ESM2-0. (a) Future habitat suitability (b) Future presence-absence at the threshold 0.57.

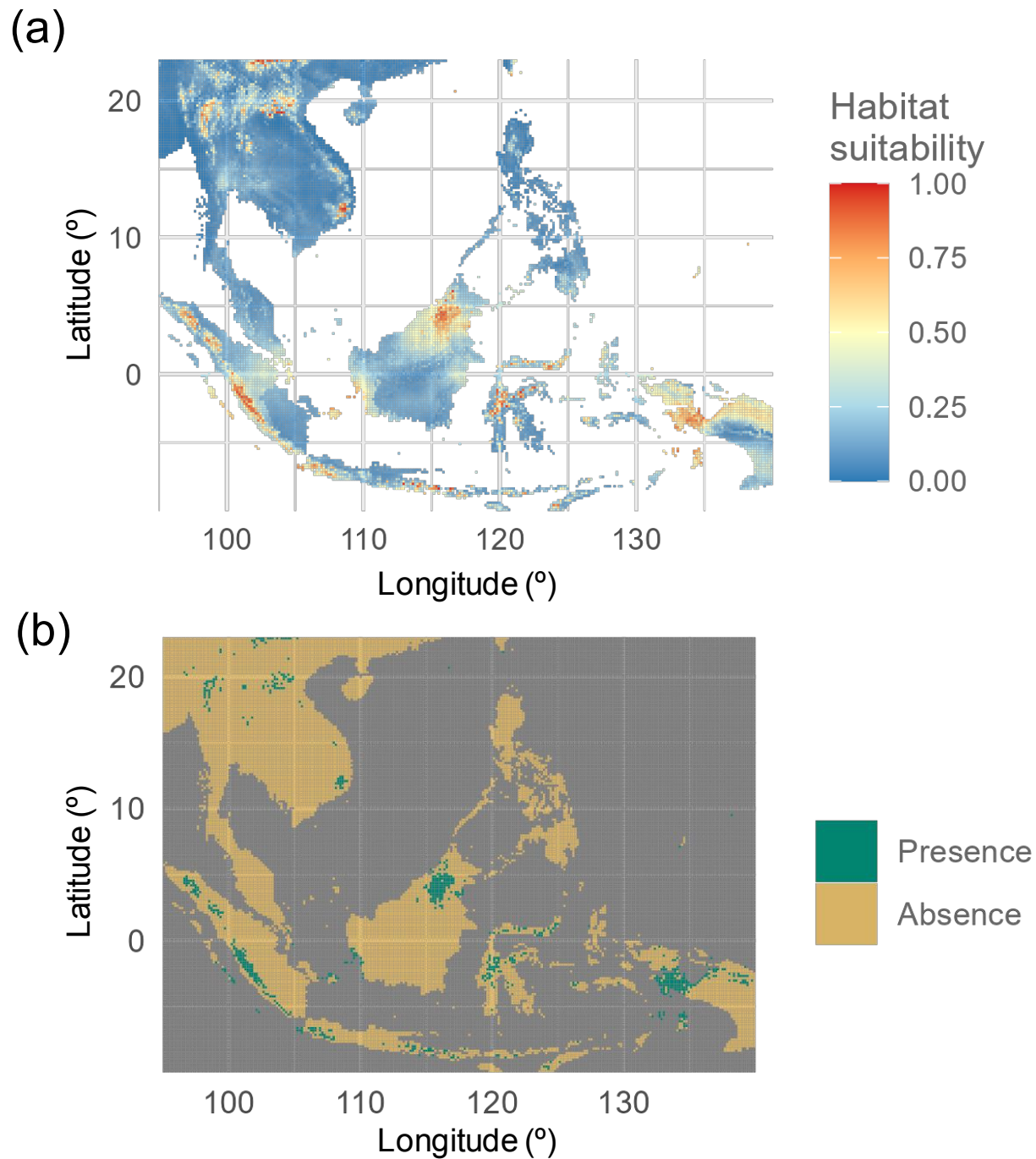


Figure S6

Future distribution of *Leucobryum aduncum* in year 2061-2080 under the scenario CMIP6 SSP2-4.5, model UKESM1-0-LL. (a) Future habitat suitability (b) Future presence-absence at the threshold 0.57.