

## Supporting materials

**Table S1** Pearson's correlation coefficients between the wetland area change and drivers.

Variables	WAC
DTR	0.015**
ASP	0.010**
ALT	0.230**
HI	-0.304**
SLO	0.157**
LON	-0.108**
LAT	0.234**
PR_CanESM5	0.035**
TEMP_CanESM5	0.197**
PR_CESM2-WACCM	0.167**
TEMP_CESM2-WACCM	0.125**
PR_CMCC-CM2-SR5	0.047**
TEMP_CMCC-CM2-SR5	0.076**
PR_IPSL-CM6A-LR	0.169**
TEMP_IPSL-CM6A-LR	0.085**
PR_MIROC6	-0.041**
TEMP_MIROC6	0.155**

Notes: \*\* indicates  $p < 0.01$ , significant correlation between variables at 0.01 level. WAC: wetland area change; PR: precipitation; TEMP: temperature; HI: hemeroby index; SLO: slope; ASP: aspect; ALT: altitude; DTR: distance to river; LON: longitude; LAT: latitude.

