

**Extended Data Table 2 | Correlation matrix (Spearman's rank correlation) of nine potential predictors of waterbird abundance changes ( $n=2,079$  grid cells)**

	GDP per capita	Water change	GDP growth rate	Human population change	Crop area change	Dec-Feb temperature change	Dec-Feb precipitation change	Protected area coverage
Water change	-0.087							
GDP growth rate	-0.502	0.003						
Human population change	-0.326	-0.047	0.442					
Crop area change	-0.095	0.039	0.208	0.140				
Dec-Feb temperature change	-0.176	-0.070	0.158	0.100	-0.087			
Dec-Feb precipitation change	0.005	0.045	-0.059	-0.043	-0.091	0.031		
Protected area coverage	0.002	0.002	-0.225	-0.077	-0.051	-0.121	-0.081	
Governance	<b>0.755</b>	-0.100	-0.547	-0.344	-0.169	-0.200	-0.086	0.047

Gross domestic product (GDP) per capita is given as  $\log_{10}$ -transformed values. Strong correlations ( $|r| > 0.7$ ) are shown in bold.