Supplementary Information
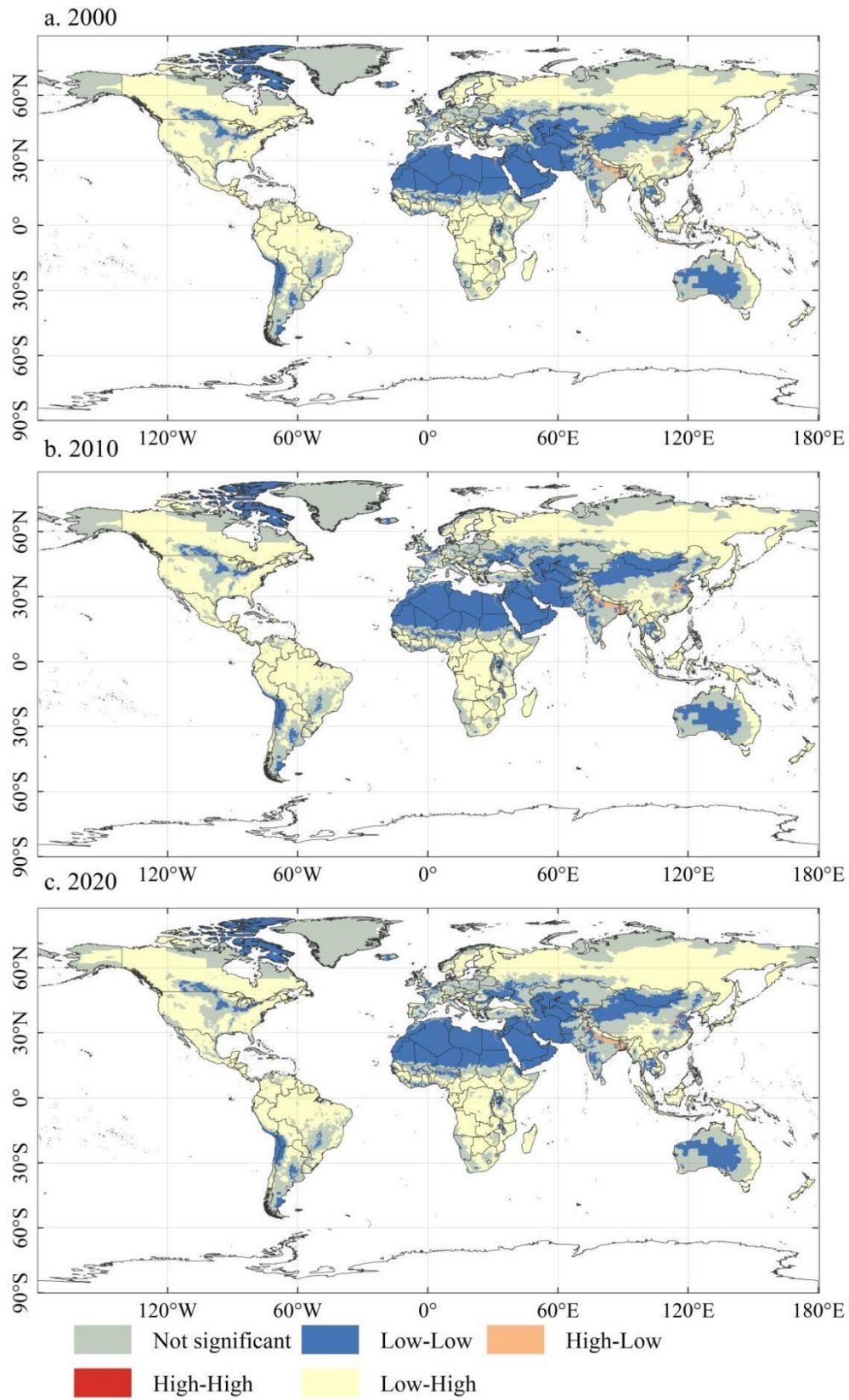

Figure S1. Bivariate LISA cluster maps between global population urbanization and habitat quality from 2000 to 2020.
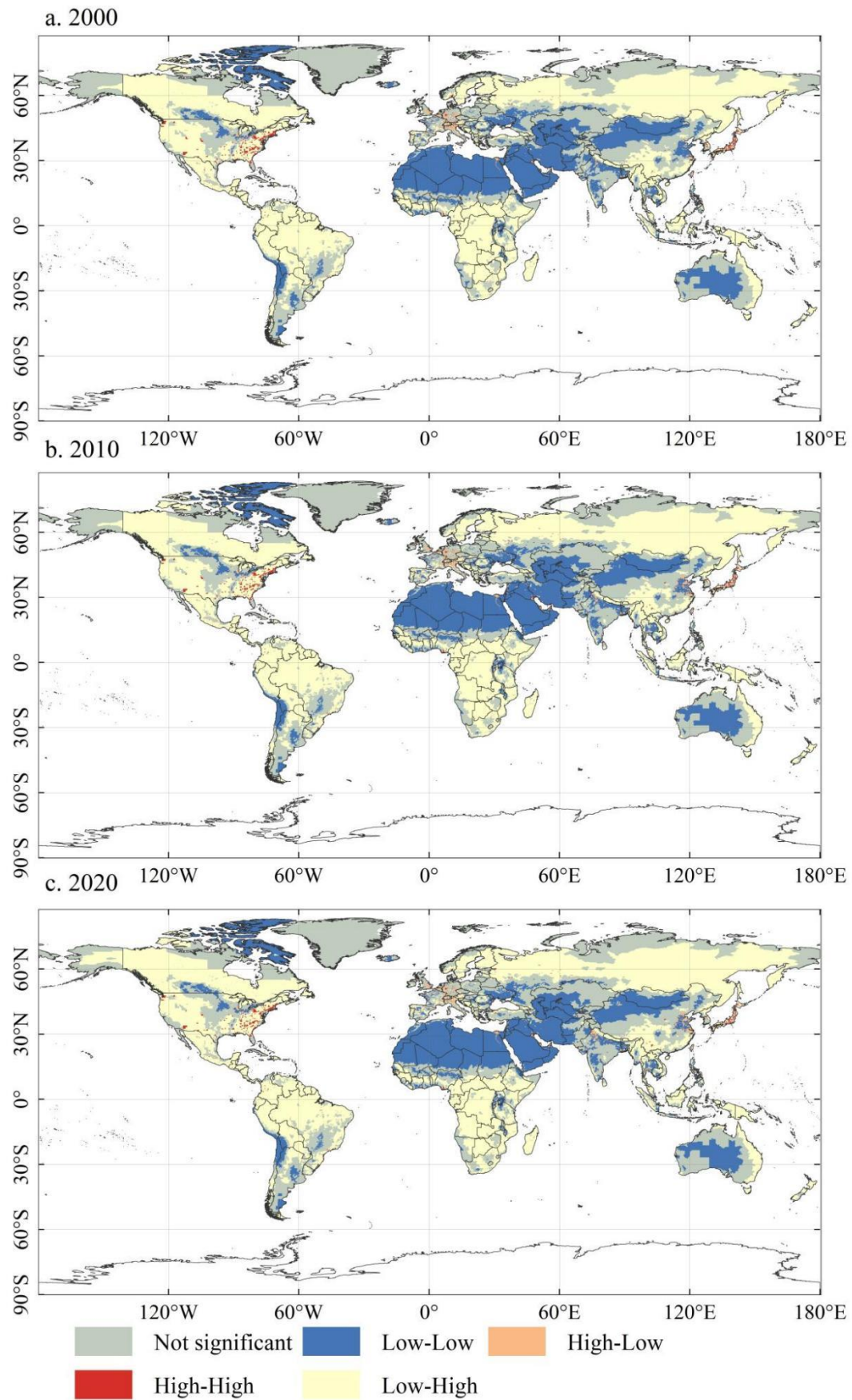
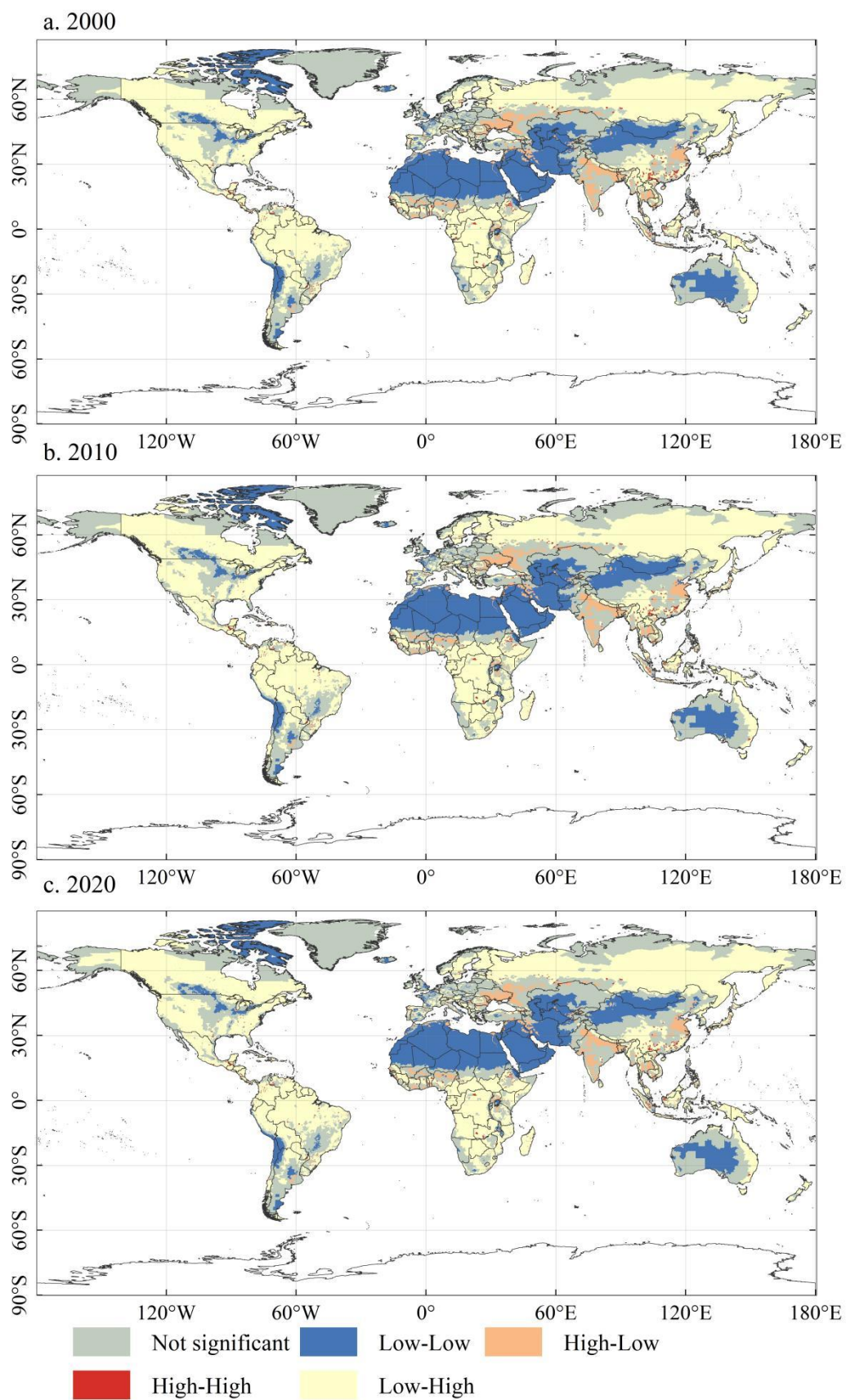**Figure S2.** Bivariate LISA cluster maps between global economic urbanization and habitat quality from 2000 to 2020.

Figure S3. Bivariate LISA cluster maps between global land urbanization and habitat quality from 2000 to 2020.

a. 2000

b. 2010

c. 2020

Coupling coordination degree

Extreme incoordination   Moderate incoordination   Basic coordination

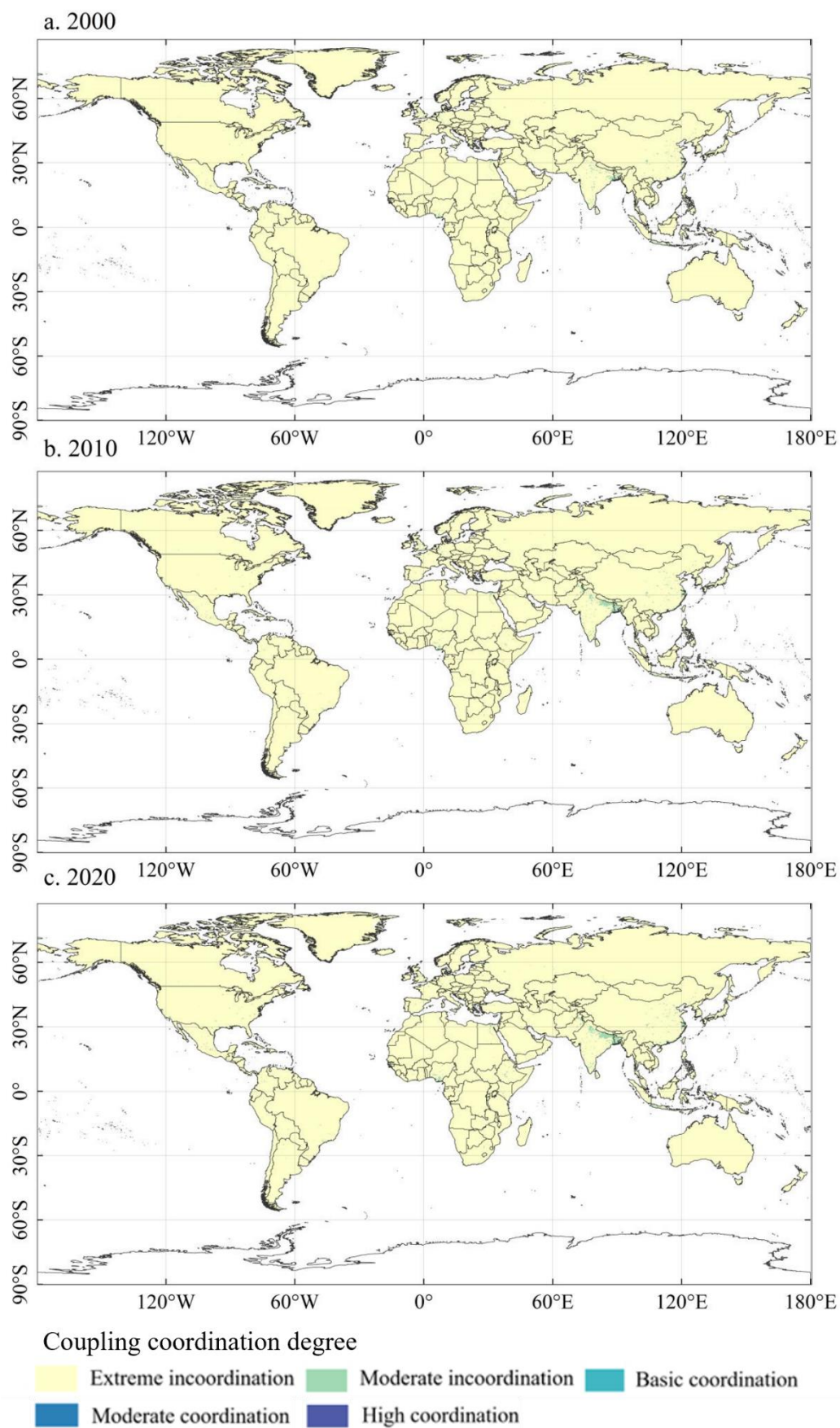Moderate coordination   High coordination

Figure S4. Spatiotemporal distribution of coupling coordination degree between global population urbanization and habitat quality from 2000 to 2020.

a. 2000

b. 2010

c. 2020

Coupling coordination degree

Extreme incoordination | Moderate incoordination | Basic coordination
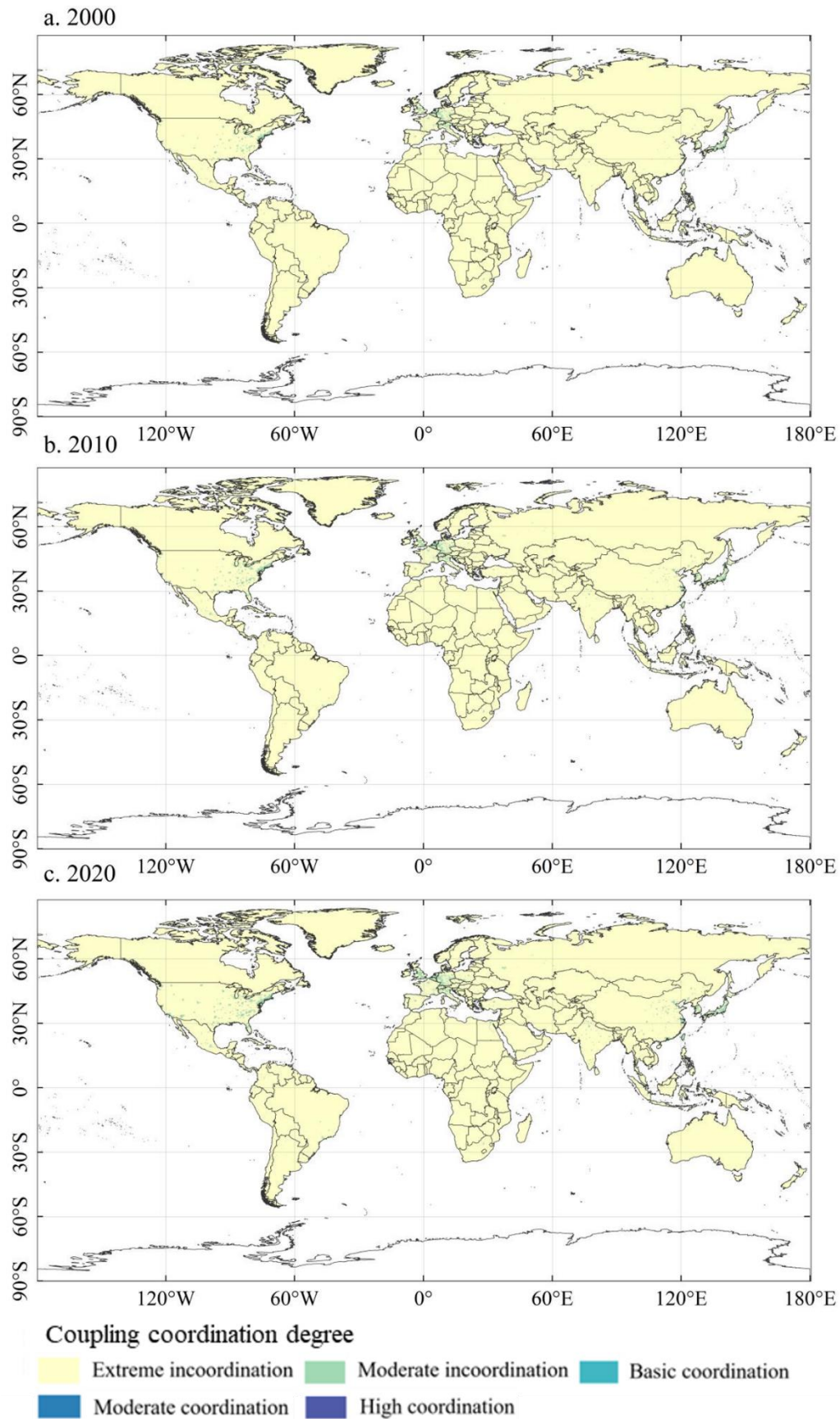Moderate coordination | High coordination

Figure S5. Spatiotemporal distribution of coupling coordination degree between global economic urbanization and habitat quality from 2000 to 2020.

a. 2000

b. 2010

c. 2020

Coupling coordination degree

Extreme incoordination Moderate incoordination Basic coordination
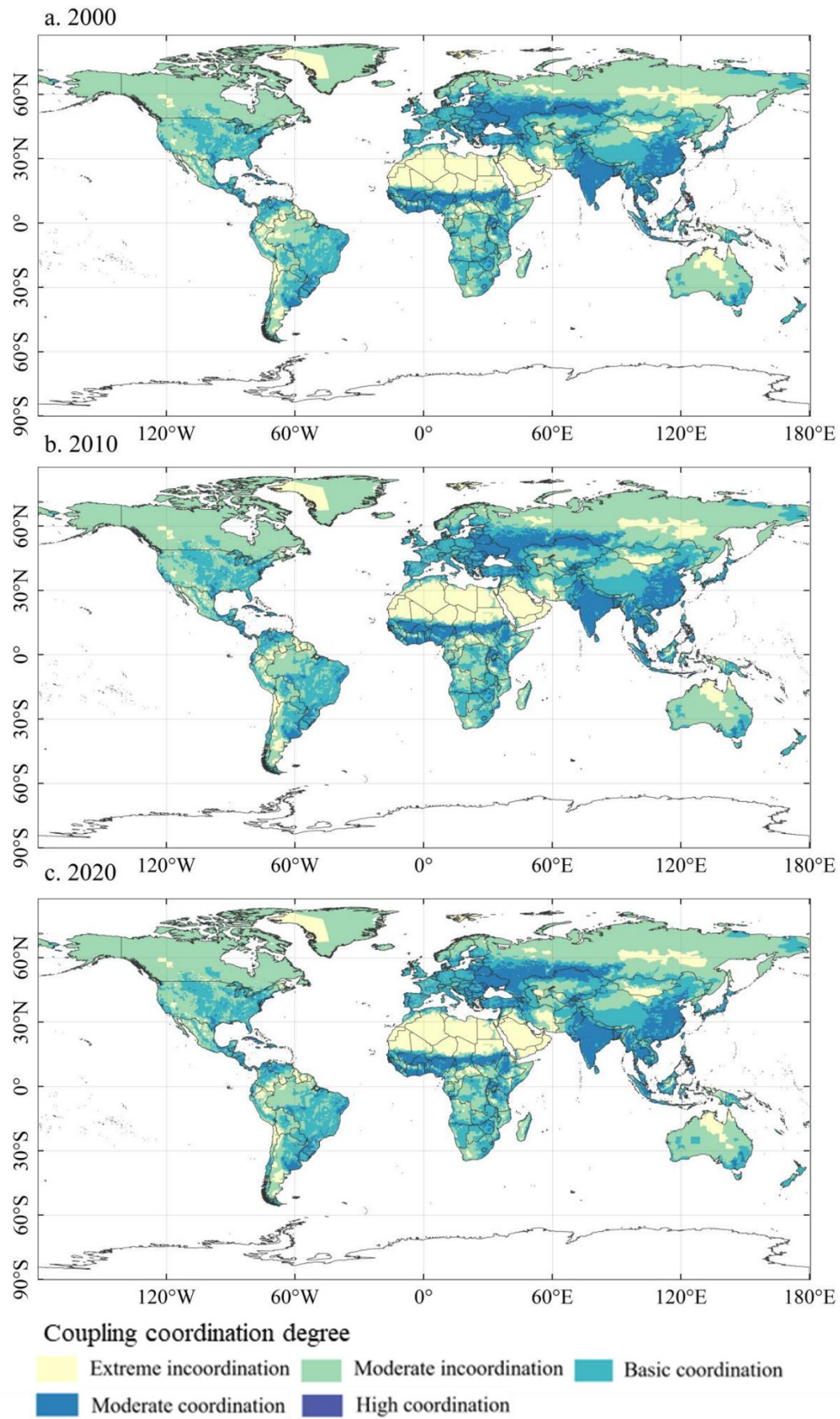
Moderate coordination High coordination

Figure S6. Spatiotemporal distribution of coupling coordination degree between global land urbanization and habitat quality from 2000 to 2020.