

Figure S1. Spatial-temporal patterns of migration centroids of (a) Russia, (b) Egypt, and (c) Argentina. Nighttime light data of 2020 were taken as background, and arrows with different colors indicate the movement of migration centroid in different years.

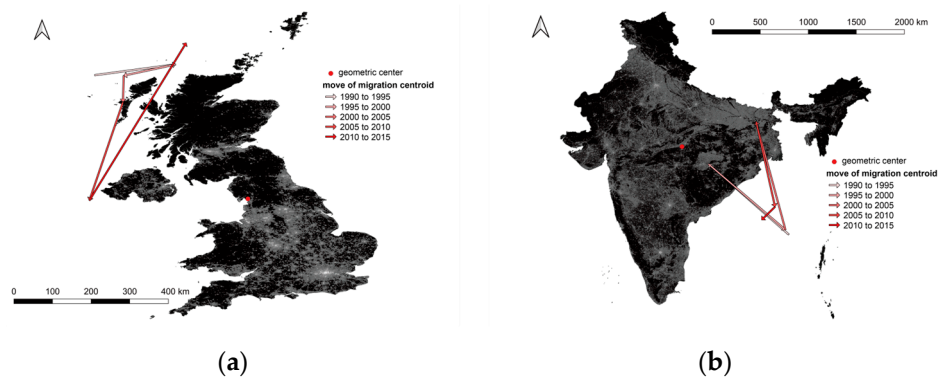


Figure S2. Spatial-temporal patterns of migration centroids of (a) the United Kingdom and (b) India. Nighttime light data of 2020 were taken as background, and arrows with different colors indicate the movement of migration centroid in different years.