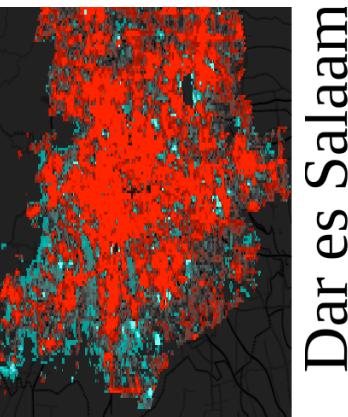
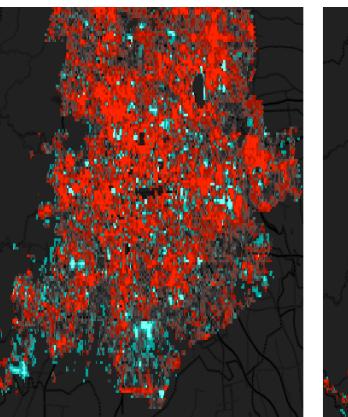
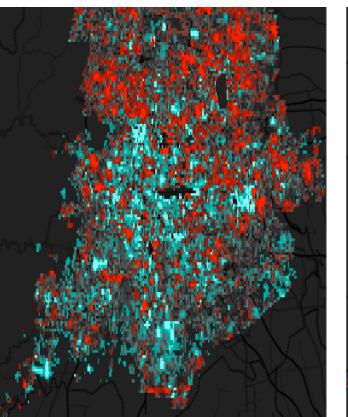
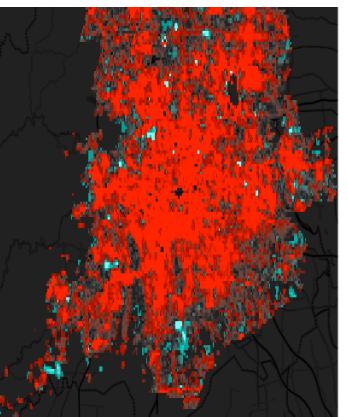
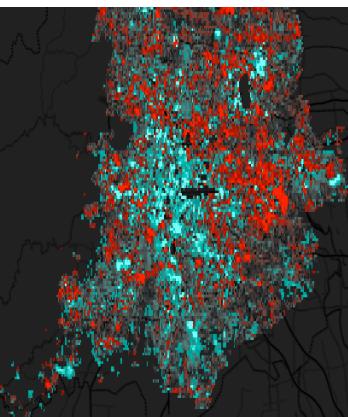
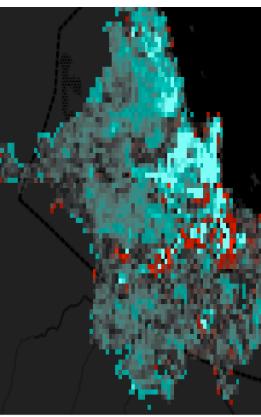
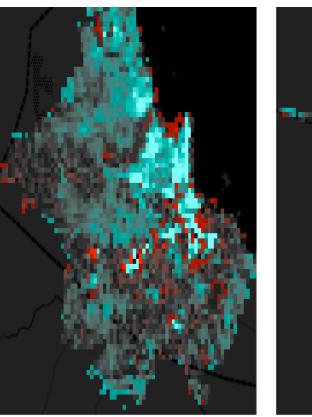
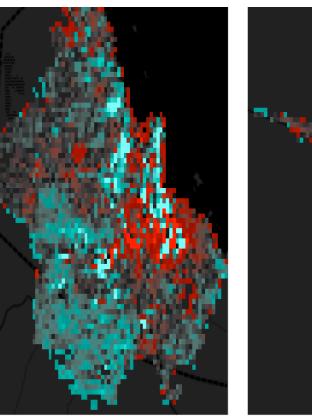
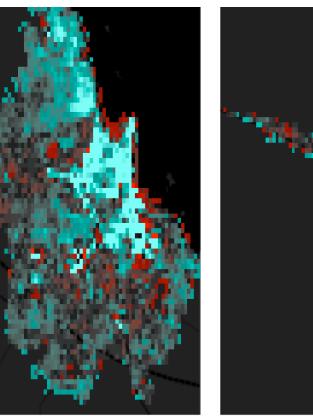
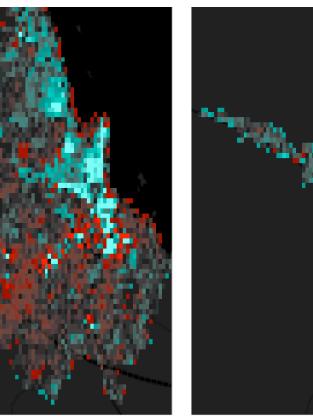
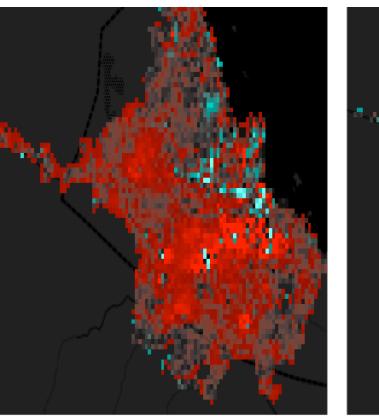
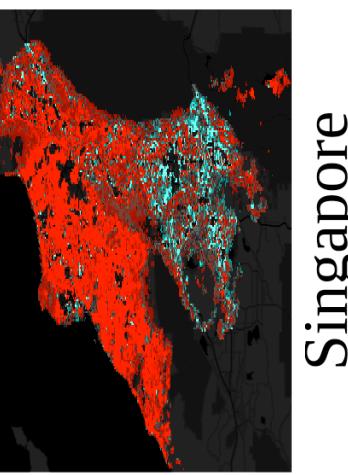
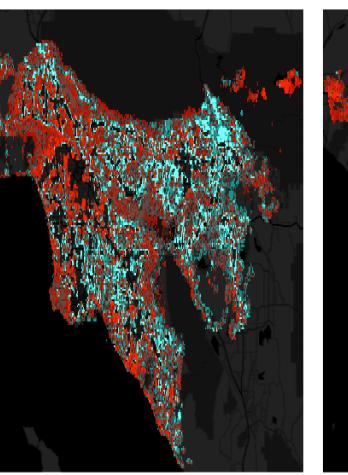
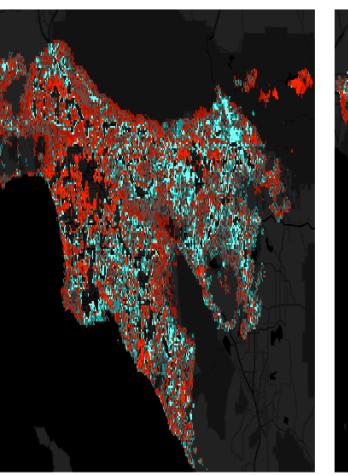
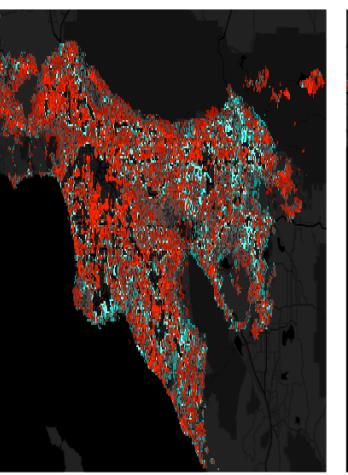
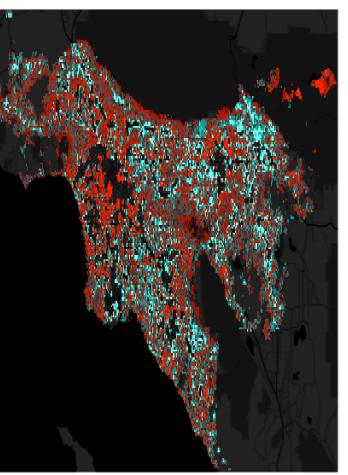
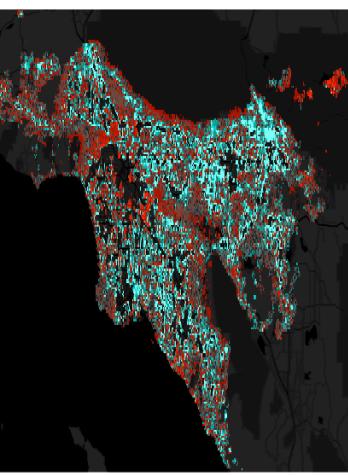
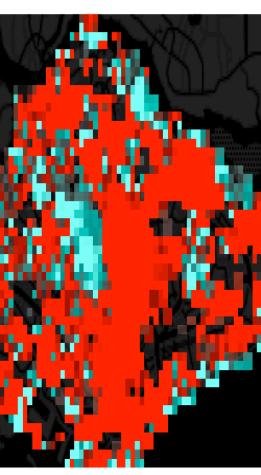
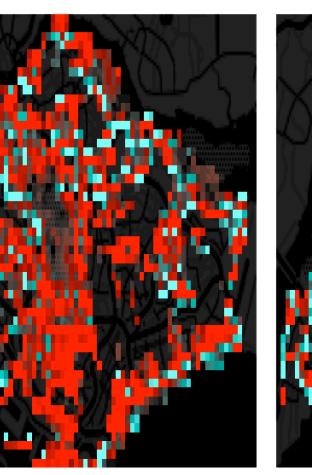
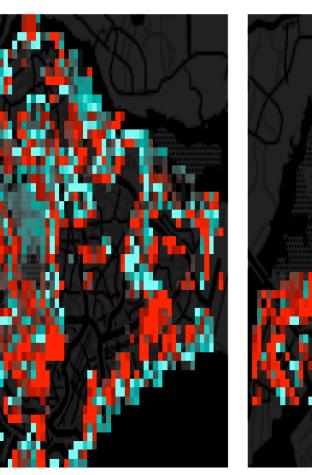
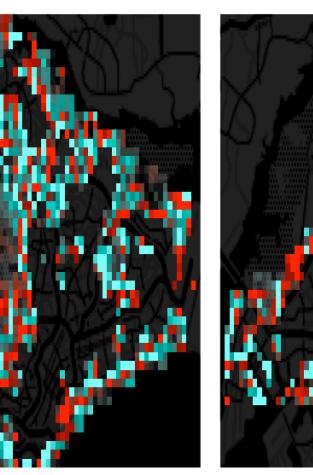
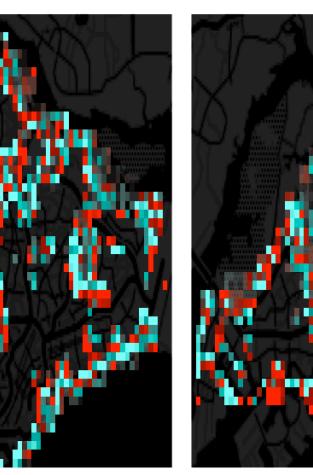
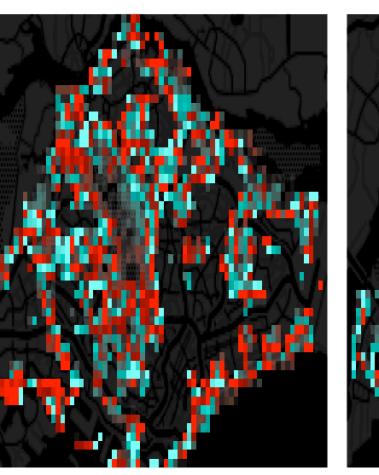


Dimmed Δ Jan20 - Dec19 Δ Feb20 - Dec19 Δ Mar20 - Dec19 Δ Apr20 - Dec19 Δ May20 - Dec19 Δ Jun20 - Dec19**Brightened** Δ Jan20 - Dec19 Δ Feb20 - Dec19 Δ Mar20 - Dec19 Δ Apr20 - Dec19 Δ May20 - Dec19 Δ Jun20 - Dec19**1. Whole City**

Beijing

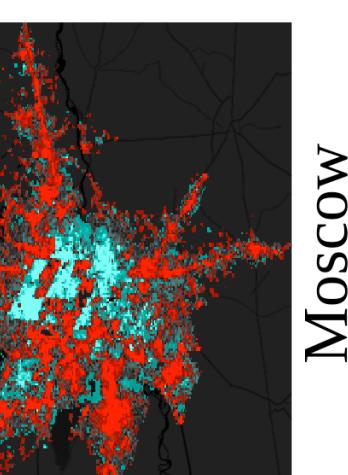
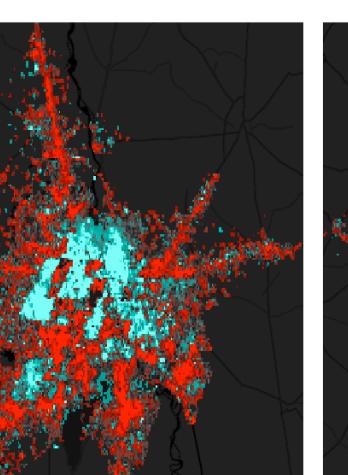
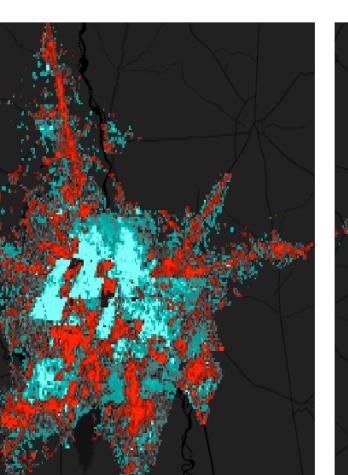
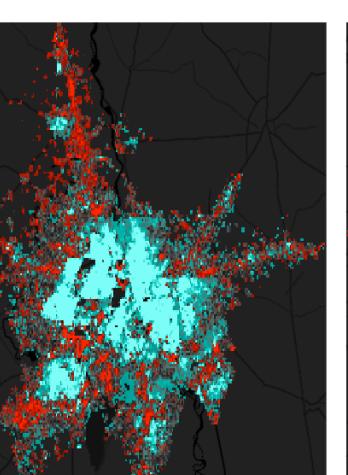
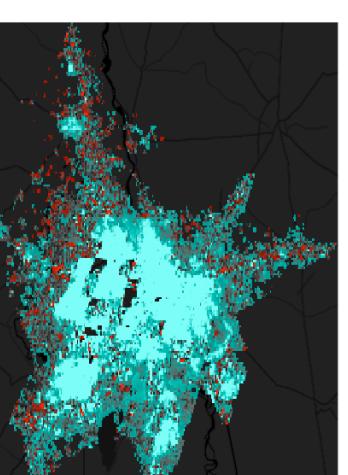
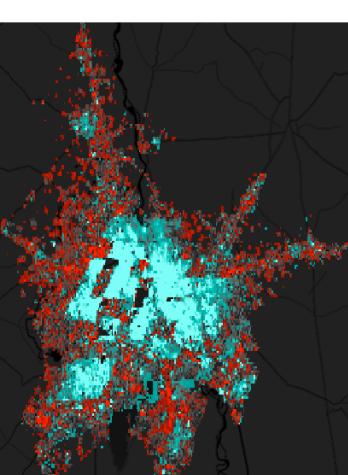
**Dar es Salaam****2. Fragmented**

Los Angeles

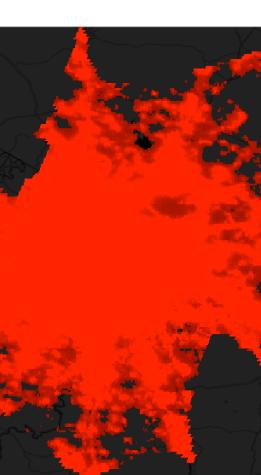
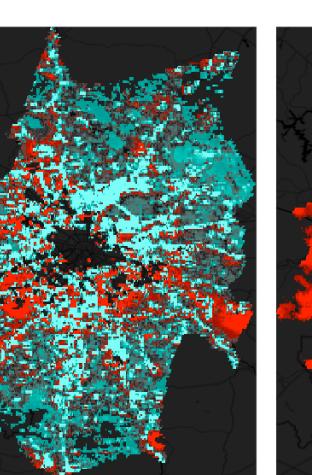
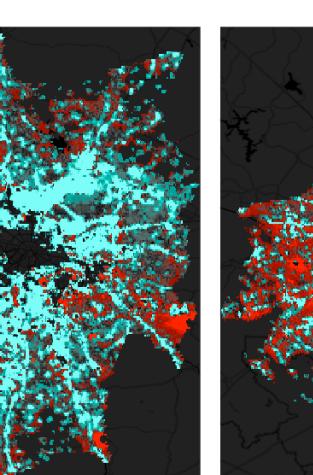
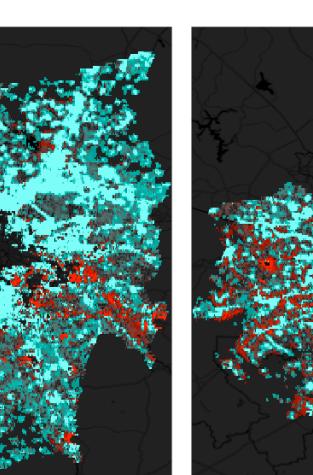
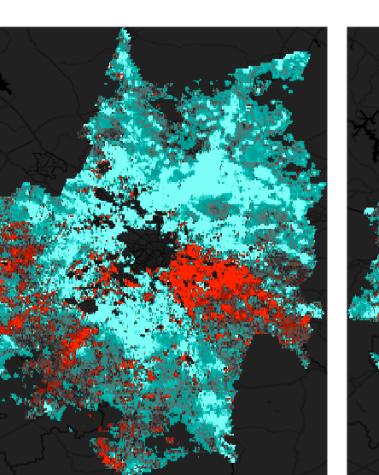
**Singapore****3. Spatially Concentrated**

a. Network infrastructure

Delhi

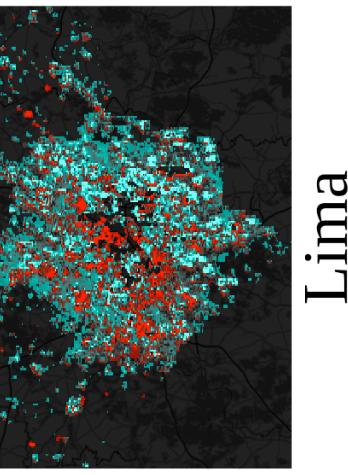
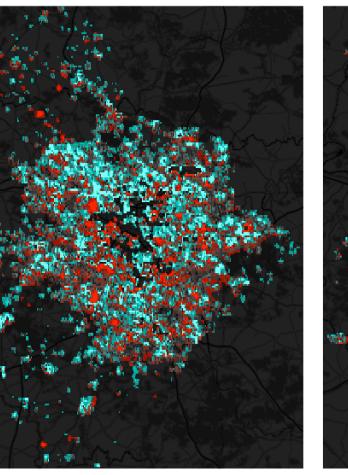
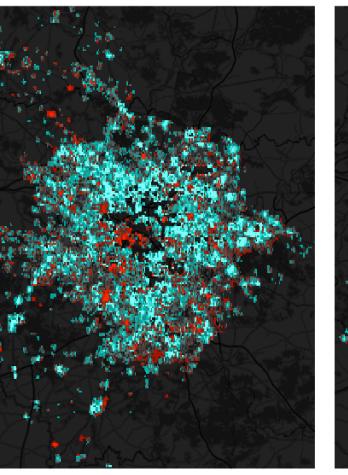
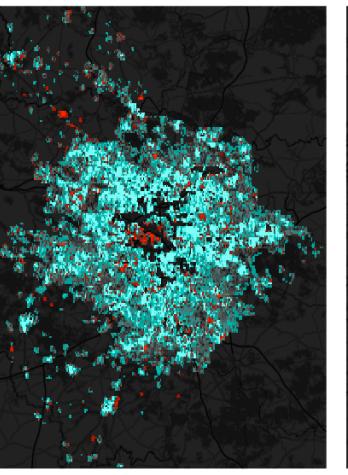
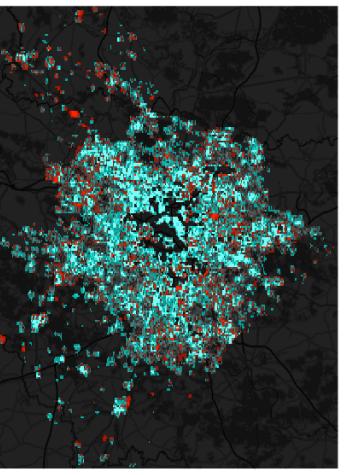
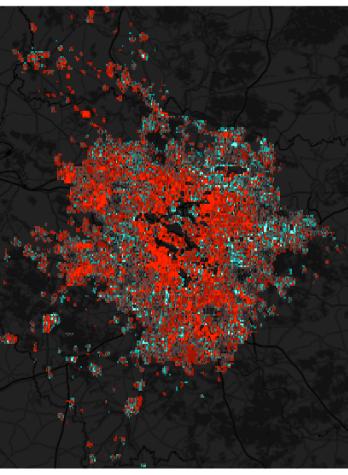


Moscow

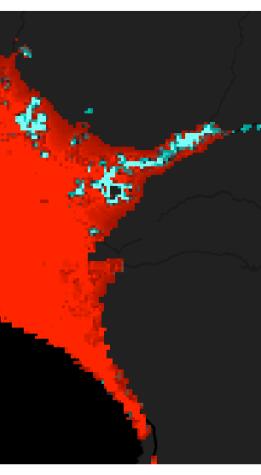
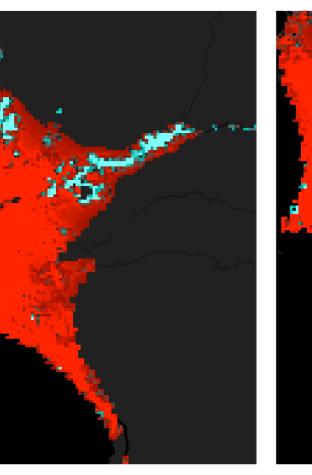
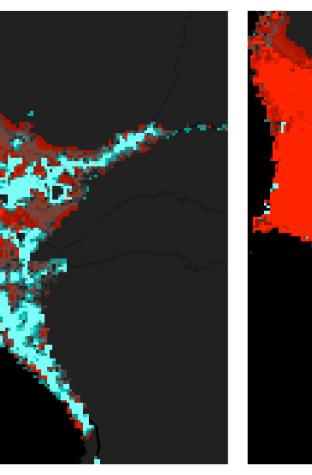
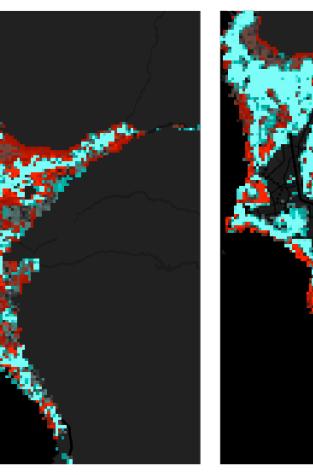
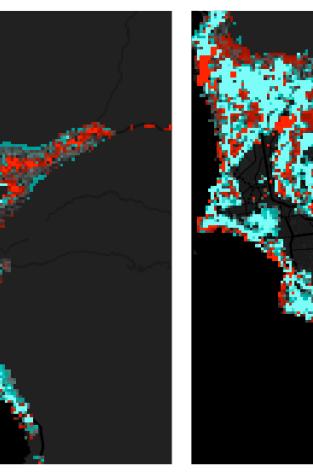
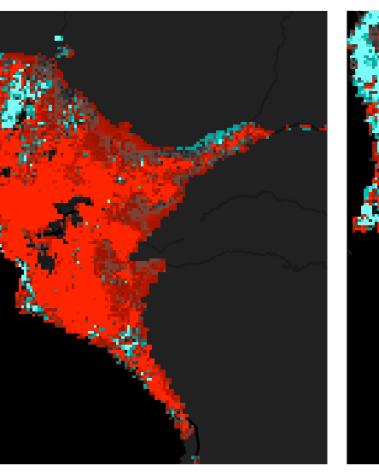


b. Core/periphery

Paris

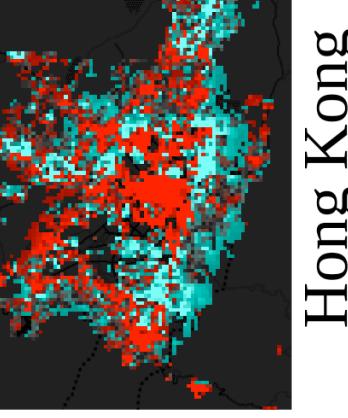
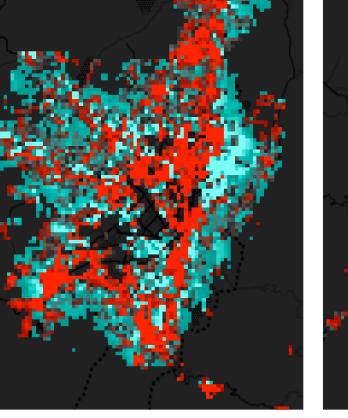
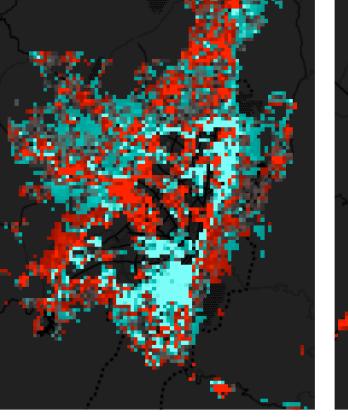
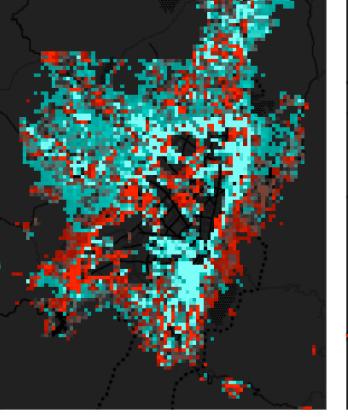
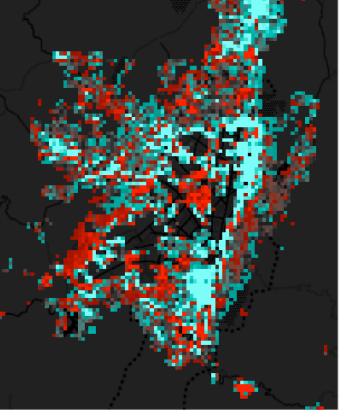
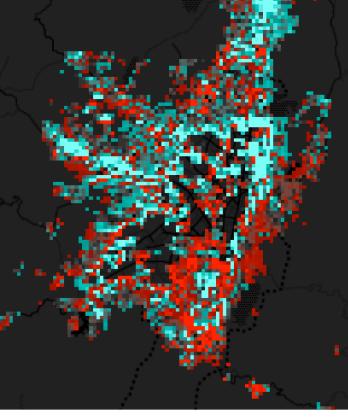
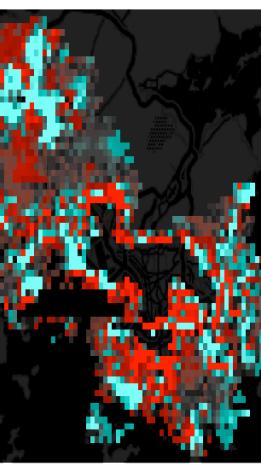
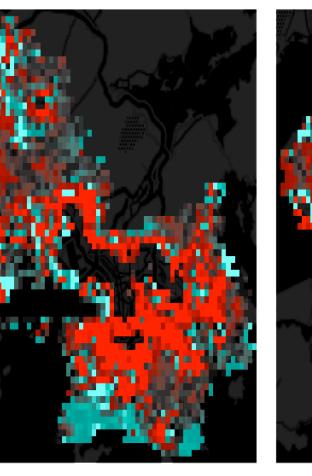
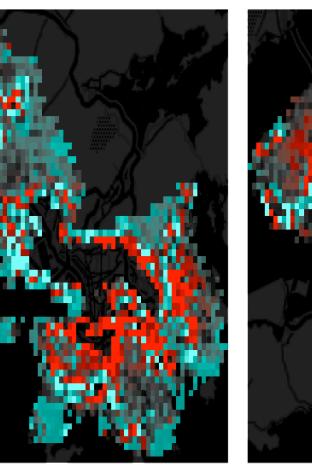
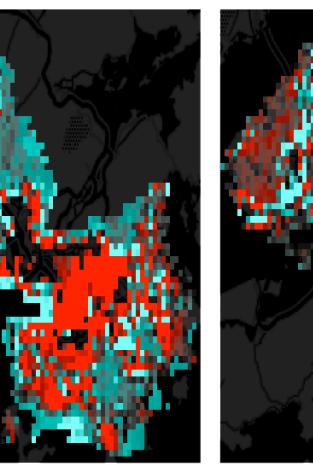
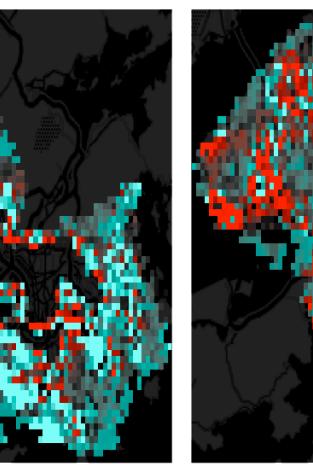
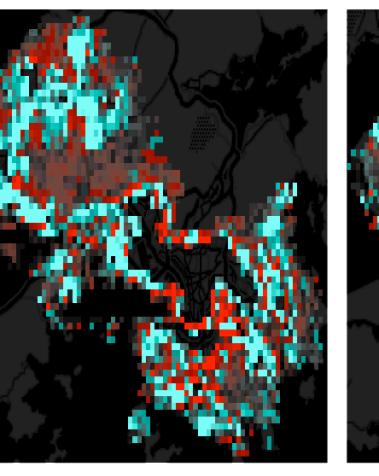


Lima



c. Hot spots

Bogota

**Hong Kong**

Light intensity
Less  More