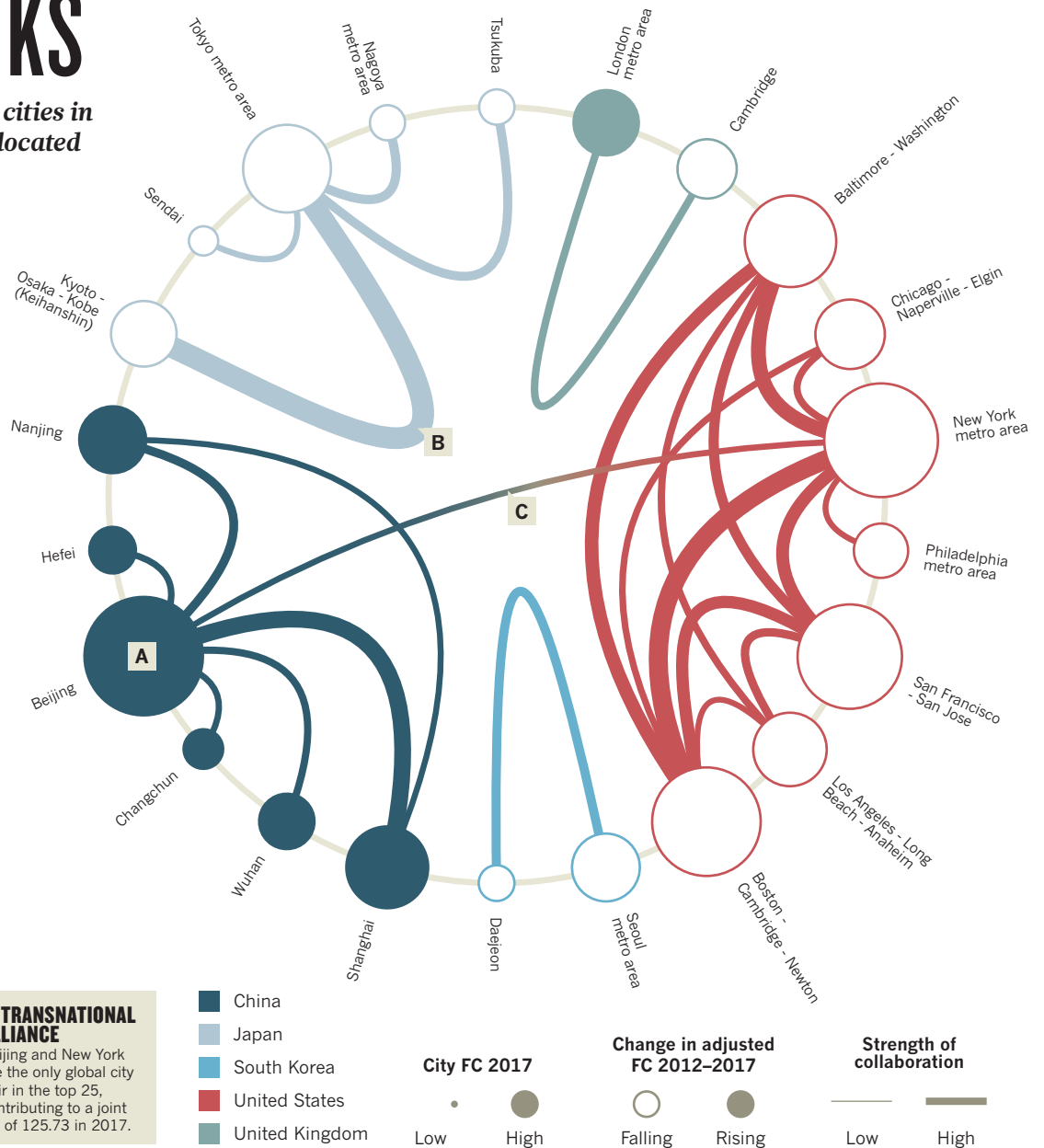


CITY LINKS

The top collaborating cities in the Nature Index are located in the same country.

Leading science cities form dense networks of collaboration within their national boundaries. This graph shows the top 25 city pairs in the Nature Index, measured by their bilateral collaboration score (CS) — the sum of each city's fractional count (FC) on papers with authors from both cities in the 82 high-quality research journals tracked by the index. The partners typically contribute to an equal share of the authorship.



A: PEAK PERFORMER
Beijing is the top science city in the index, with an FC of 2,142.53 in 2017. Its contribution to high-quality research has grown over the past six years, as has that of many cities across China.

B: DYNAMIC DUO
Tokyo and the Keihanshin region are the top collaborators in the index, contributing to a joint CS of 442.88 in 2017.

C: TRANSNATIONAL ALLIANCE
Beijing and New York are the only global city pair in the top 25, contributing to a joint CS of 125.73 in 2017.

- China
- Japan
- South Korea
- United States
- United Kingdom

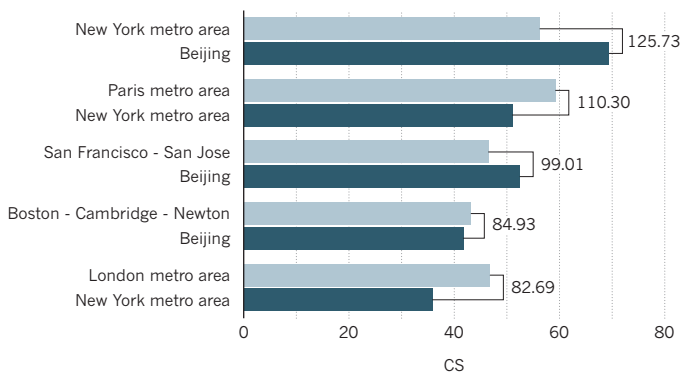
City FC 2017
 ● Low ● High

Change in adjusted FC 2012–2017
 ○ Falling ● Rising

Strength of collaboration
 — Low — High

GLOBAL MATCH

The top five international city pairs in the Nature Index, measured by bilateral collaboration score (CS). Bars show each partner's contribution to the collaborative papers.



URBAN CONNECTIONS

Below are the top 10 most externally collaborative cities among the top 200 by fractional count. Some 97% of the 180 articles (AC) authored by researchers in Donostia/San Sebastián have co-authors based outside the city.

