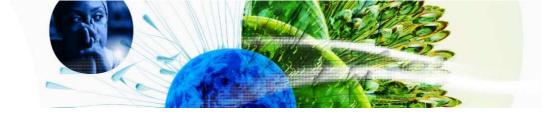
Global Innovation Index 2023



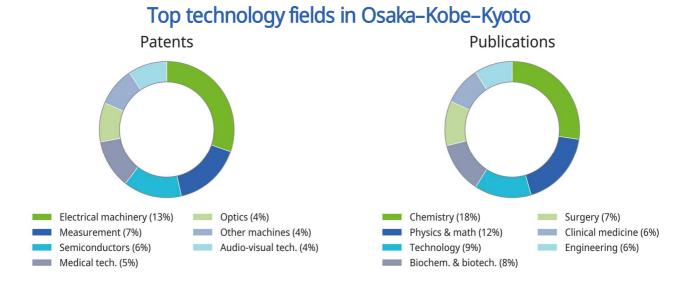
Osaka-Kobe-Kyoto, Japan

Osaka-Kobe-Kyoto is the second-ranked cluster, out of 4 Japanese clusters, that falls within the top 100 S&T clusters in 2023. It filed 2,446 PCT applications and published 3,308 scientific articles, both per 1 million inhabitants over the last five years, making it the:

7th largest science and technology cluster in 2023 (unchanged from 2022)

30th S&T cluster by intensity (relative to population density) in 2023 (up two spots from 2022)

Top PCT applicants				Top publishing organizations	
		Patents	Share	Articles	Share
1	Murata Manufacturing	3,812	10%	1 Kyoto University 12,870	25%
2	Kyocera	2,355	6%	2 Osaka University 10,246	20%
3	Nitto Denko	1,885	5%	3 Kobe University 3,779	7%



13% of Osaka–Kobe–Kyoto's PCT patent applications are filed in collaboration with other inventors, with Tokyo–Yokohama, Nagoya and Shanghai–Suzhou emerging as the top collaborative locations.

61% of Osaka–Kobe–Kyoto's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being Tokyo–Yokohama, Nagoya and Fukuoka.