Global Innovation Index 2023



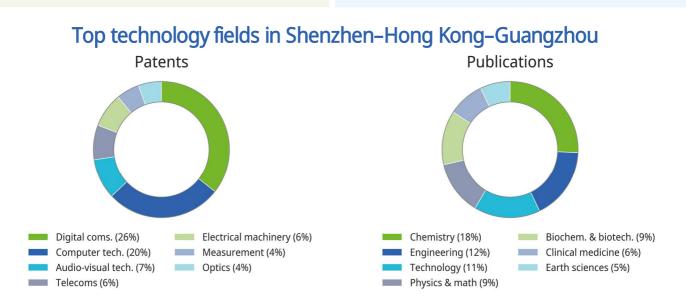
Shenzhen–Hong Kong–Guangzhou

Shenzhen-Hong Kong-Guangzhou is a multi-cluster spanning an area around China and Hong-Kong, China. It filed 2,291 PCT applications and published 3,092 scientific articles, both per 1 million inhabitants over the last five years, making it the:

2nd largest science and technology cluster in 2023 (unchanged from 2022)

32nd S&T cluster by intensity (relative to population density) in 2023 (up five spots from 2022)

Top PCT applicants			Top publishing organizations				
		Patents	Share			Articles	Share
1	Huawei	25,673	23%	1	Sun Yat Sen University	20,466	13%
2	Орро	8,341	7%	2	South China University of Technology	14,775	10%
3	Zte	6,451	6%	3	Shenzhen University	8,047	5%



3% of Shenzhen–Hong Kong–Guangzhou's PCT patent applications are filed in collaboration with other inventors, with **Beijing**, **Shanghai–Suzhou** and **Melbourne** emerging as the top collaborative locations.

63% of Shenzhen-Hong Kong-Guangzhou's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being Beijing, Shanghai-Suzhou and Wuhan.