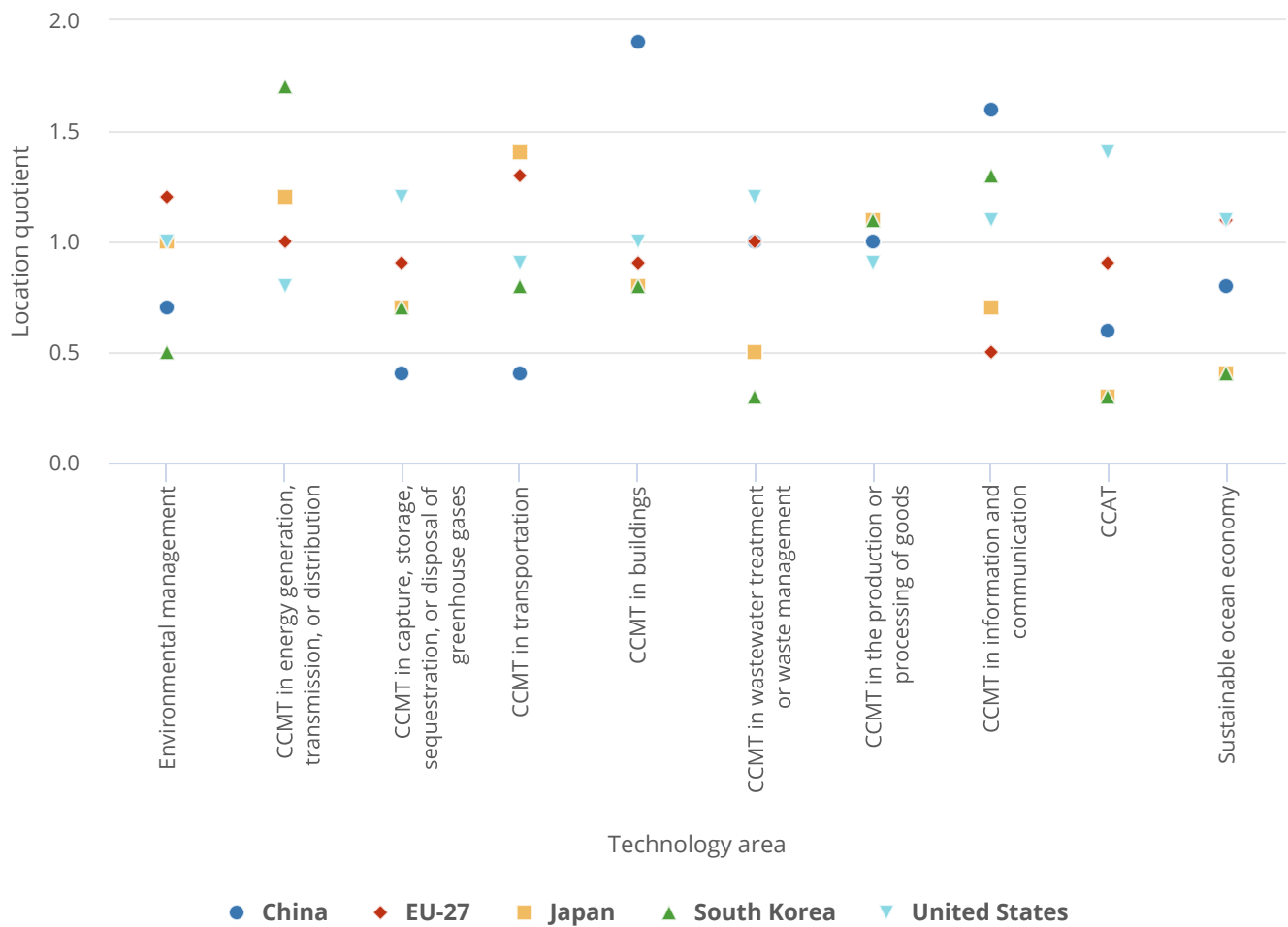


Figure INV-A

Specialization of patents among technology areas for the top 5 regions or countries in environmental sustainability technology: 2011–22



CCAT = climate change adaptation technology; CCMT = climate change mitigation technology; EU-27 = European Union.

Note(s):

Patent and Trademark Office (USPTO) patents are allocated according to patent inventorship information. USPTO patents are fractionally allocated among regions, countries, or economies based on the proportion of residences of all named inventors. Patents are classified under the World Intellectual Property Organization (WIPO) classification of patents, which classifies International Patent Classification (IPC) codes under 35 technical fields. IPC reformed codes take into account changes that were made to the WIPO classification in 2006 under the eighth version of the classification and were used to prepare these data. However, because PatentsView only provides the original IPC codes as they appeared on patents and not the IPC reformed codes, current Cooperative Patent Classification codes on patents were converted back to the most recent IPC classification to prepare these statistics. Fractional counts of patents were assigned to each technological field on patents to assign the proper weight of a patent to the corresponding technological fields under the classification. Beginning in 2020, the United Kingdom was no longer a member of the EU. China includes Hong Kong. United States includes Puerto Rico and all other U.S. territories.

Source(s):

National Center for Science and Engineering Statistics; Science-Metrix; PatentsView, USPTO, accessed June 2023.

Science and Engineering Indicators