



Brussels–Antwerp, Belgium

Brussels–Antwerp is the only cluster within Belgium that falls within the top 100 S&T clusters in 2023. It filed **724 PCT applications** and published **6,502 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

51st largest science and technology cluster in 2023 (down three spots from 2022)

56th S&T cluster by intensity (relative to population density) in 2023 (up two spots from 2022)

Top PCT applicants

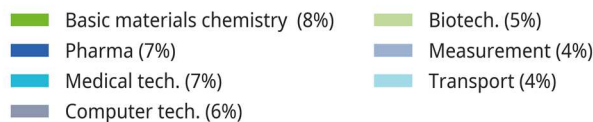
| | | Patents | Share |
|---|---------------------------|---------|-------|
| 1 | Agfa | 203 | 7% |
| 2 | Toyota Motor Europe Nv/Sa | 152 | 5% |
| 3 | Procter & Gamble Company | 145 | 5% |

Top publishing organizations

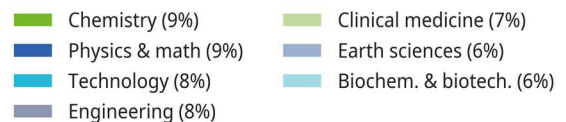
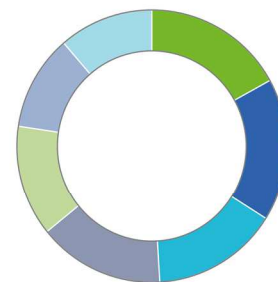
| | | Articles | Share |
|---|-------------------------------|----------|-------|
| 1 | Ku Leuven | 8,568 | 31% |
| 2 | University of Antwerp | 3,216 | 12% |
| 3 | Universite Libre de Bruxelles | 2,557 | 9% |

Top technology fields in Brussels–Antwerp

Patents



Publications



34% of Brussels–Antwerp's PCT patent applications are filed in collaboration with other inventors, with **Gent**, **Paris** and **Cologne** emerging as the top collaborative locations.

71% of Brussels–Antwerp's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Amsterdam–Rotterdam**, **Paris** and **Gent**.