DISTRIBUTIONAL IMPACT OF PUBLIC INVESTMENT IN SCIENCE: FROM TAX-PAYERS TO PATENTS AND CORPORATE PROFITS

ALBA monitoring database

P_0

2,901 (2,966 distinct DOIs rows in the original database)

Lens database

P_1

51,628
(53,437 including P_0)

Pat_1

3,481 patent families
(3,499 including Pat_0)

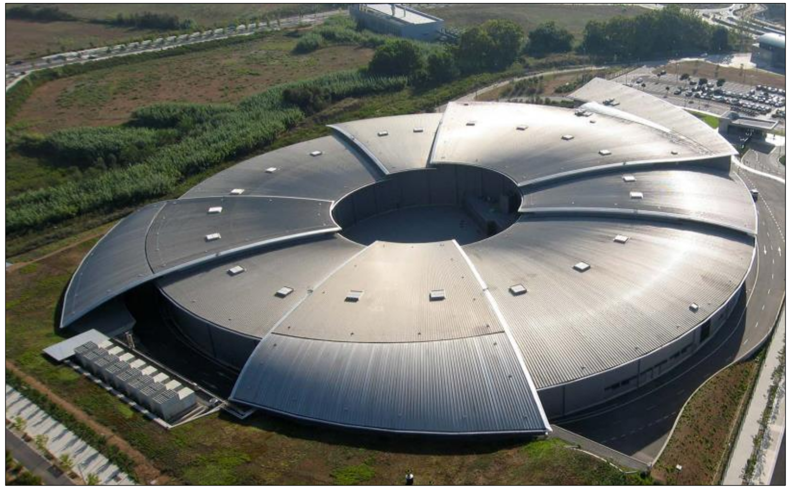
Pat_0

221 patent families

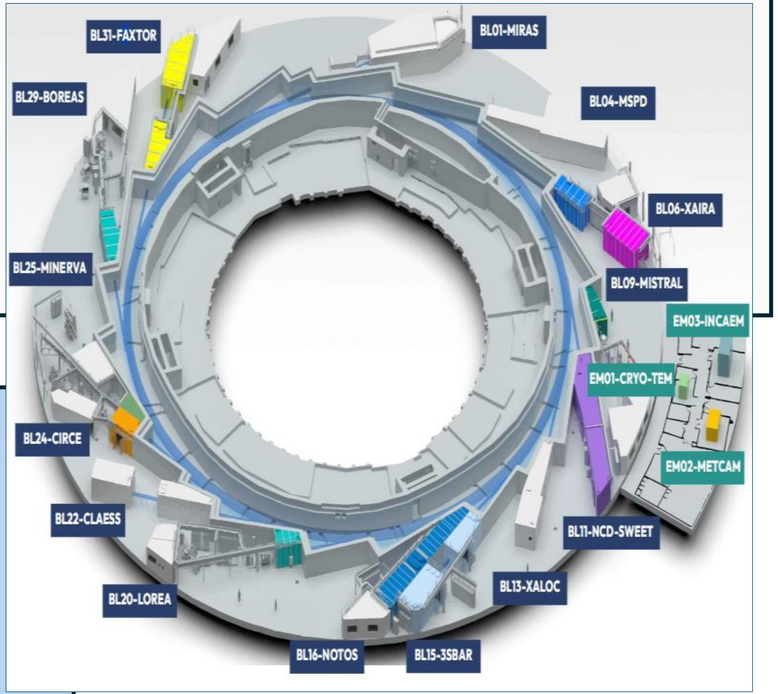
ORBIS IP database

Pat_0'

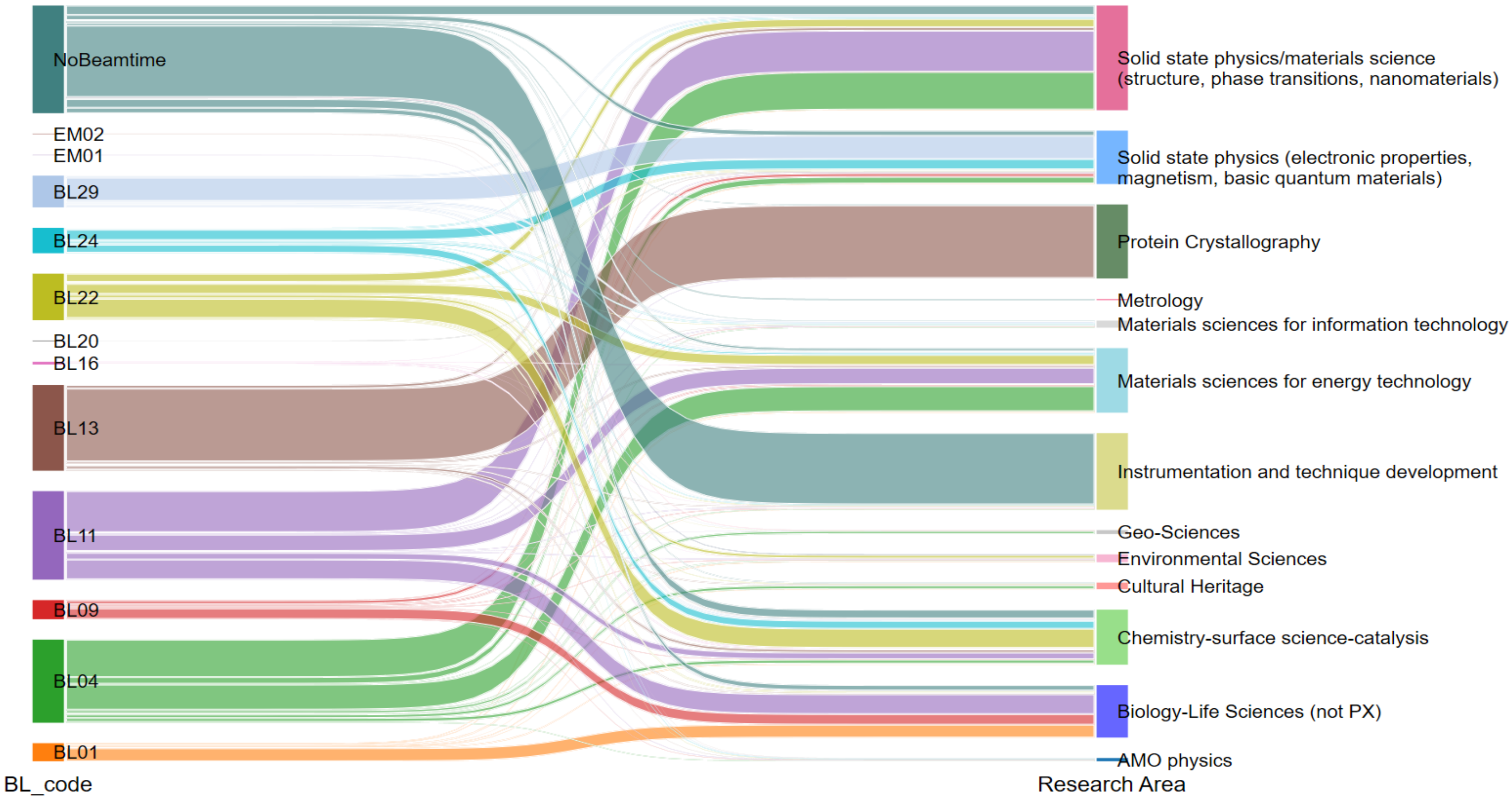
33 patent families
(36 including Pat_0 and Pat_1)



THE ALBA SYNCHROTRON, CERDANYOLA DEL VALLÈS (BARCELONA)



ALBA: RESEARCH AREAS



CITING PATENTS: FROM BEAMLINE TO TECHNOLOGICAL FIELDS

- The most common technological fields are **Pharmaceuticals, Biotechnology**, Electrical machinery

- Taxpayers, including lower incomes, finance research infrastructure and support science as a public good
- Scientists benefit from experimental data and publications
- Downstream patents (legal monopolies) benefit private inventors and corporate investors
- CBA should consider the distributional impact