5 Key Facts About the Impacts of Public Research on Innovation

1. **Public research institutions have become more active in patenting.**
   
   Their patent applications to the EPO increased more than fivefold between 1992 and 2014.

2. **Public research institutions collaborate more with industry.**
   
   Patents jointly filed by public research institutions & industry have grown faster than university-owned applications between 1992 and 2014.

3. **But the overall contributions of public research institutions to patenting remain modest compared with industry, accounting for 1.6% (2,200) of total applications in 2014.**

4. **Geography matters: universities & inventive industry collocate.**
   
   Proximity to university is positively associated with local industry patent applications, irrespective of local business dynamics.

5. **Academic start-ups.**
   
   Start-ups founded by students & academics account for 15% of all start-ups registered on Crunchbase and 20% of start-ups in science-based fields (e.g. biotechnology).