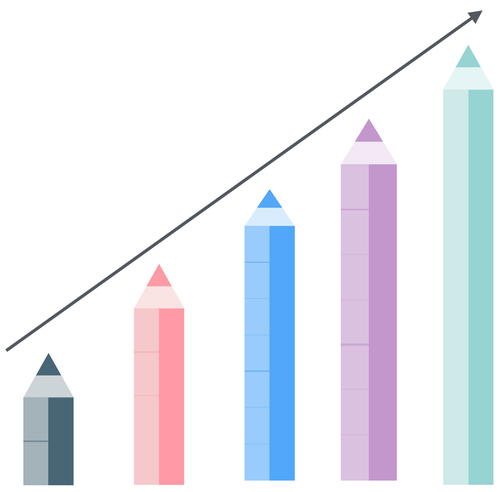
5 KEY FACTS ABOUT THE IMPACTS OF PUBLIC RESEARCH ON INNOVATION

Results based on data on patent applications to the European Patent Office (EPO) from 35 OECD countries & China between 1992 and 2014

1 Public research institutions have become **more active in patenting**

Their patent applications to the EPO increased more than **fivefold** between 1992 and 2014

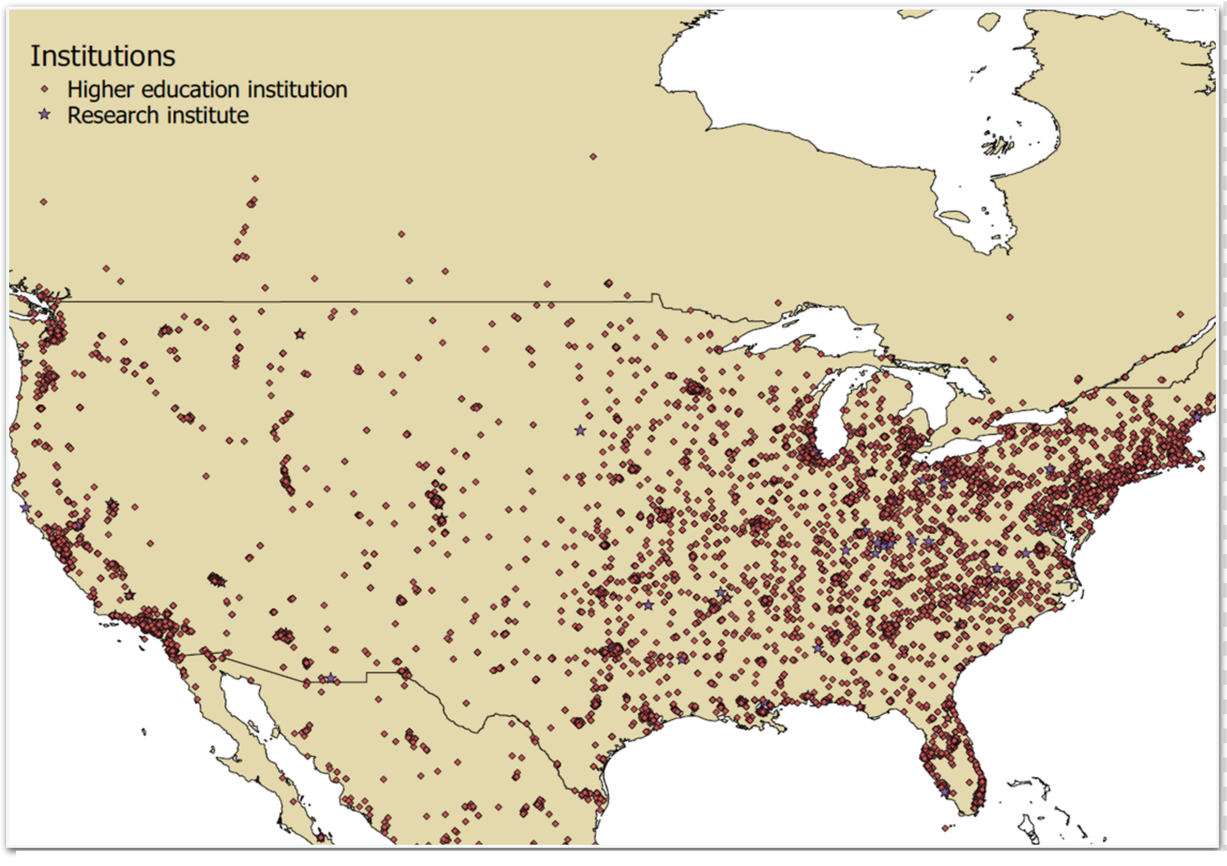


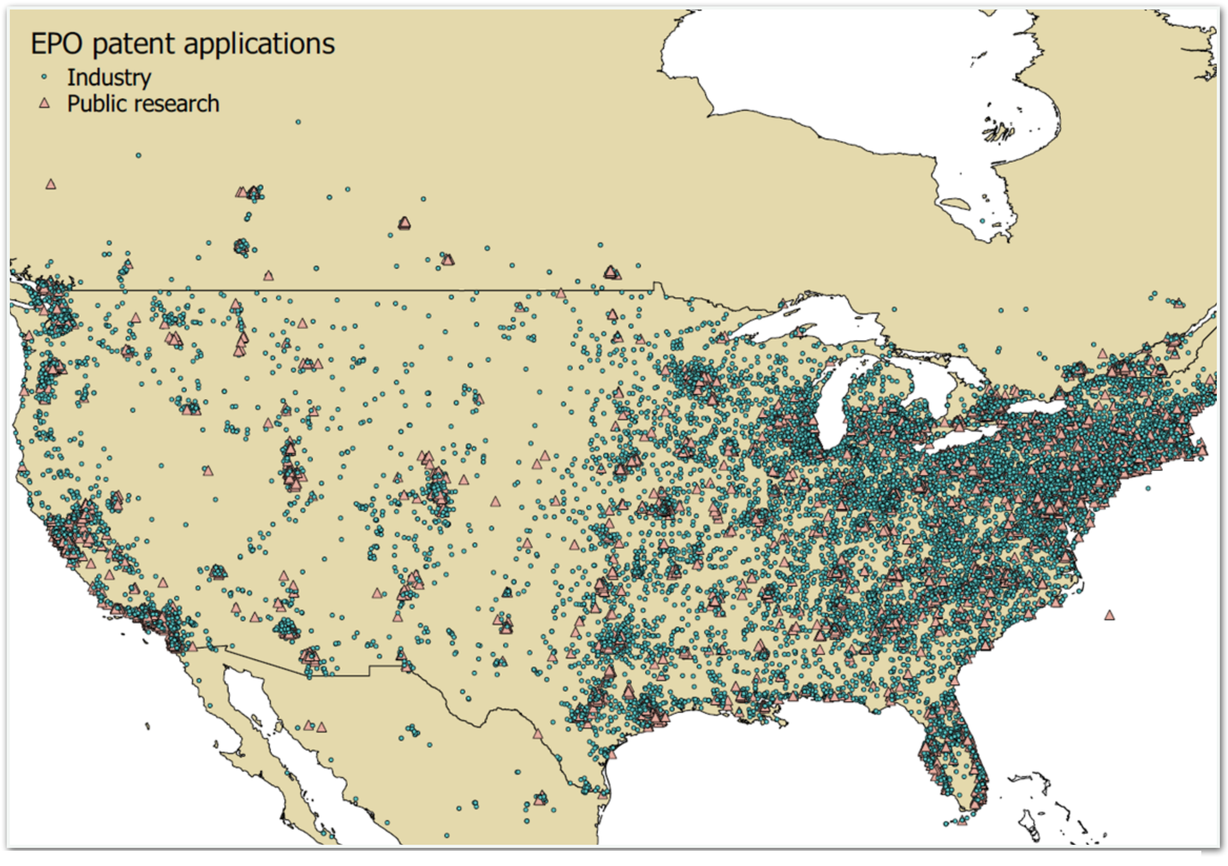
2 Public research institutions **collaborate more with industry**

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

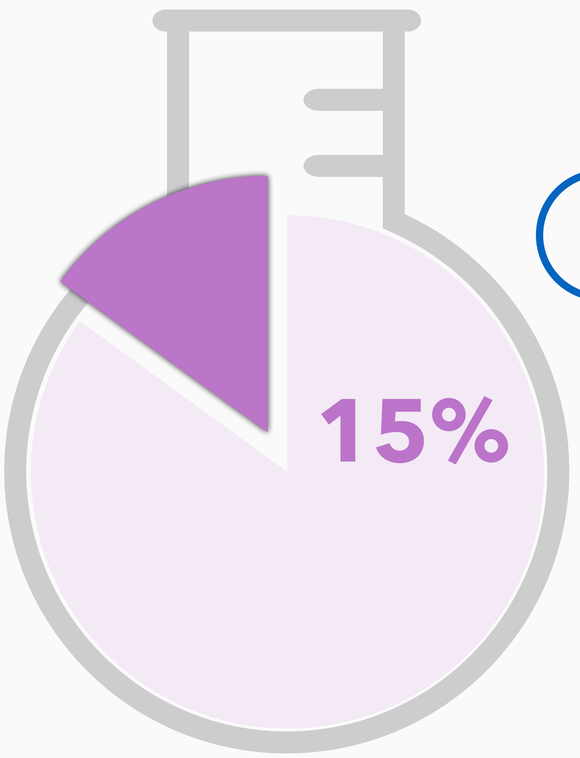




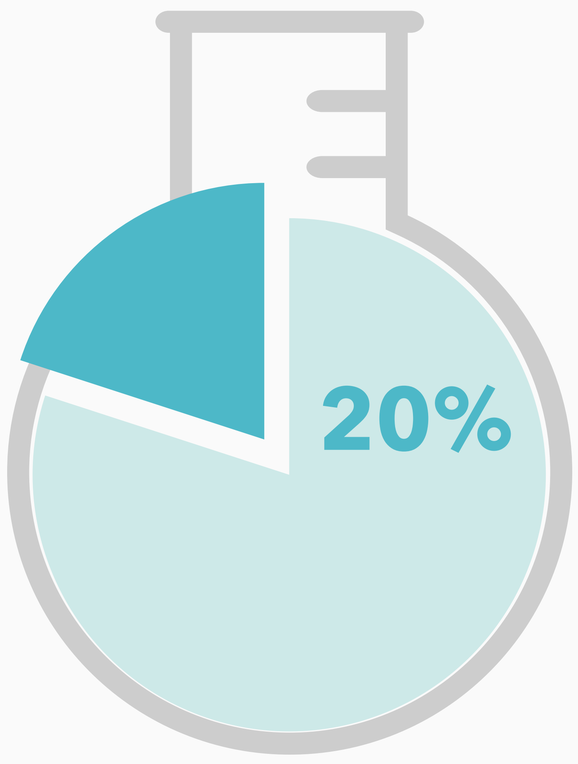
Proximity to university is positively associated with **local industry patent applications**, irrespective of local business dynamics

ACADEMIC START-UPS

5 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)



All start-ups



Science-based start-ups