



## SCIENCE, RESEARCH AND INNOVATION PERFORMANCE OF THE EU 2018

Strengthening the foundations for Europe's future



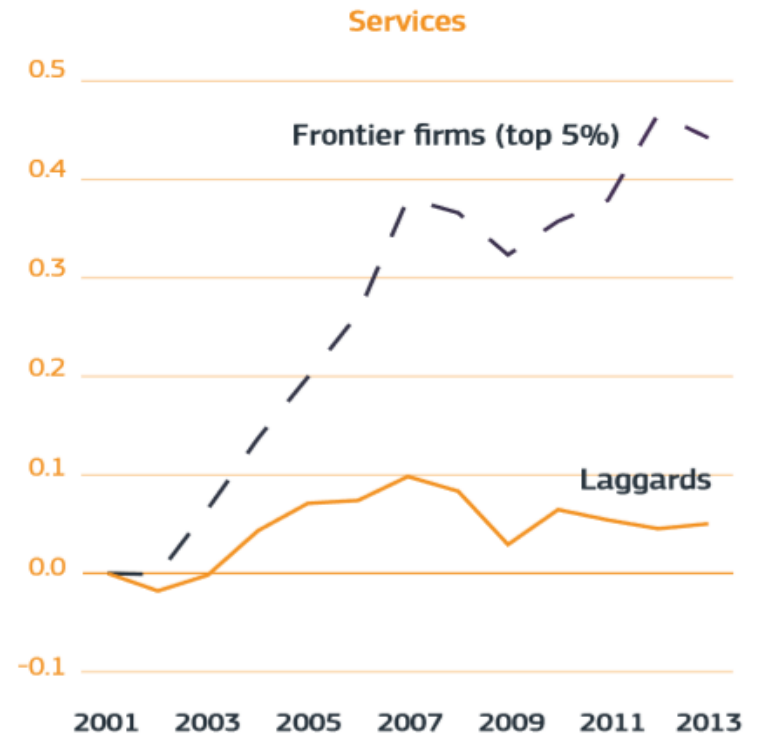
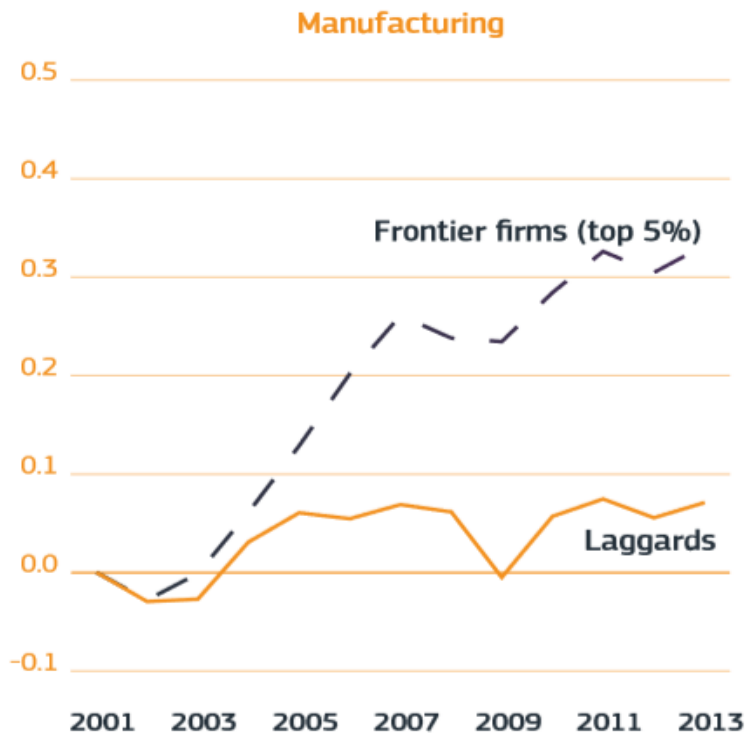
### We are at the cusp of a new wave of innovation

- **Increased complexity**
- **Concentration of benefits in Superstar firms**
- **Very rapid innovation pace change**

# Divergence in productivity growth between highly productive firms and laggard firms

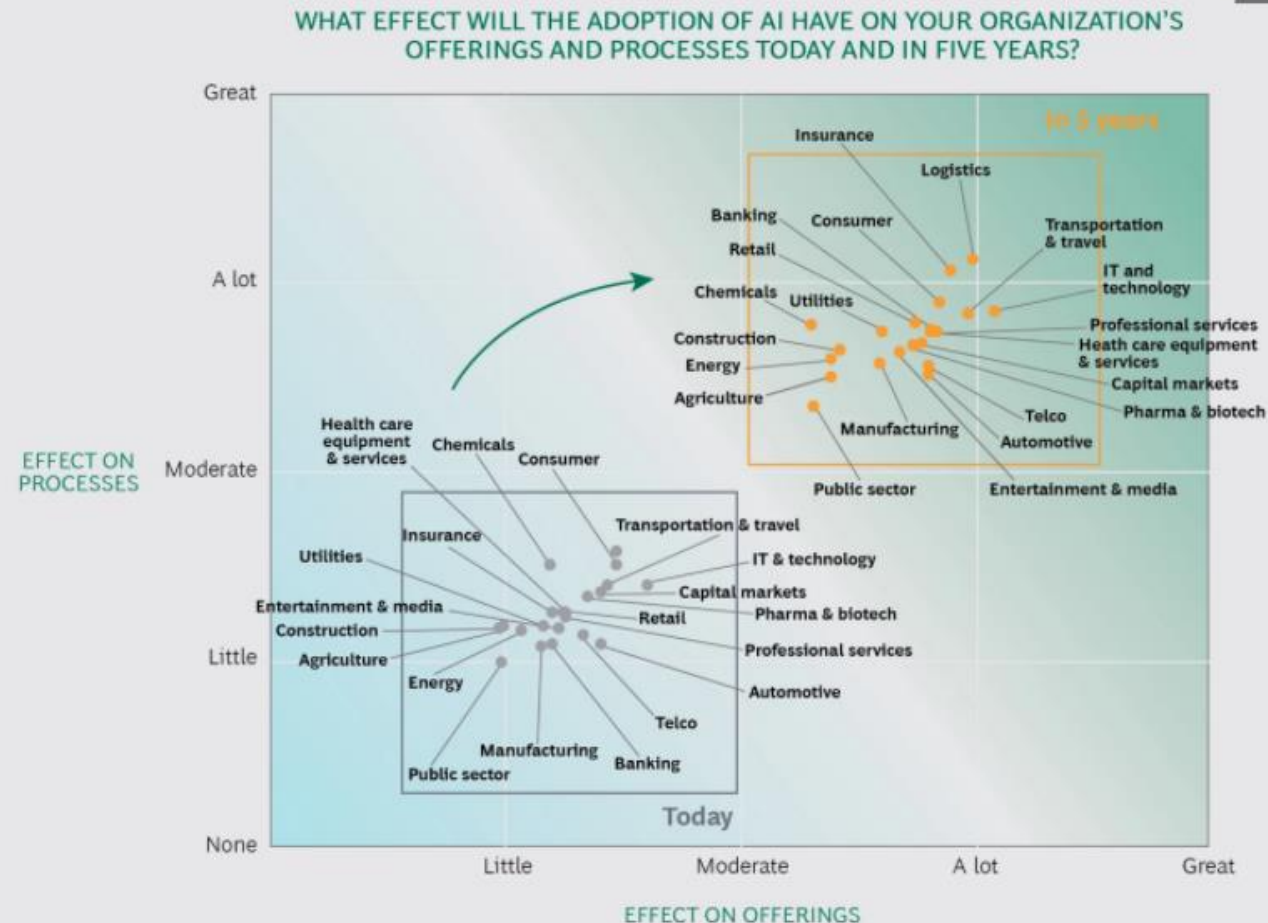


Labour productivity gap between global frontier firms and other firms, 2001-2013



# Emerging techs shake the economy ... but not equally everywhere

EXHIBIT 1| Expectations Run High for AI's Effect on Business Across Industries



Source: Joint BCG-MIT Sloan Management Review survey on the Impact of artificial intelligence on business, 2017.  
 Note: Average of all respondents per industry, based on a five-point scale.