

THE NEXT PRODUCTION REVOLUTION

Lisbon Council: Driving the Hidden Value of Digital Trade Brussels, 2 July, 2015

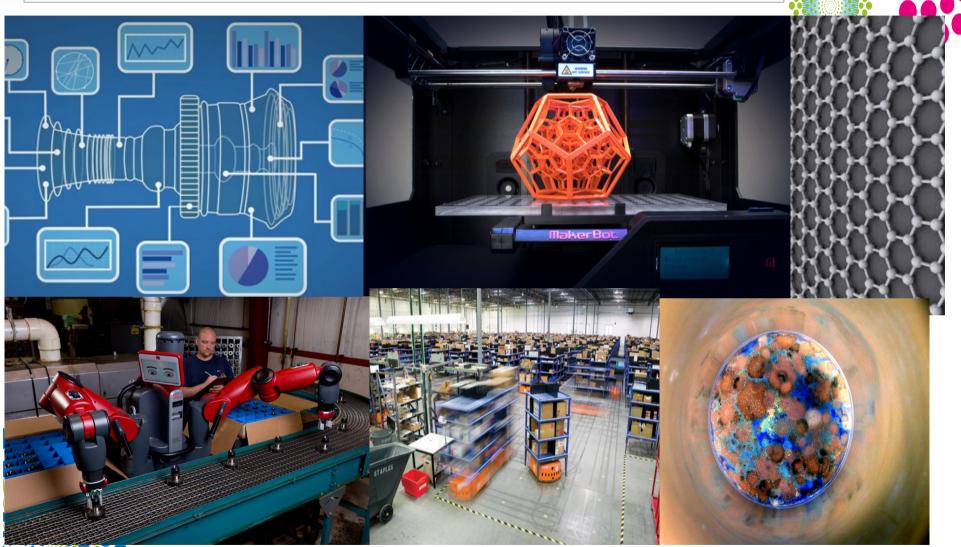
Andrew Wyckoff and Christian Reimsbach-Kounatze,



OECD Directorate of Science, Technology and Innovation



A confluence of new technologies...





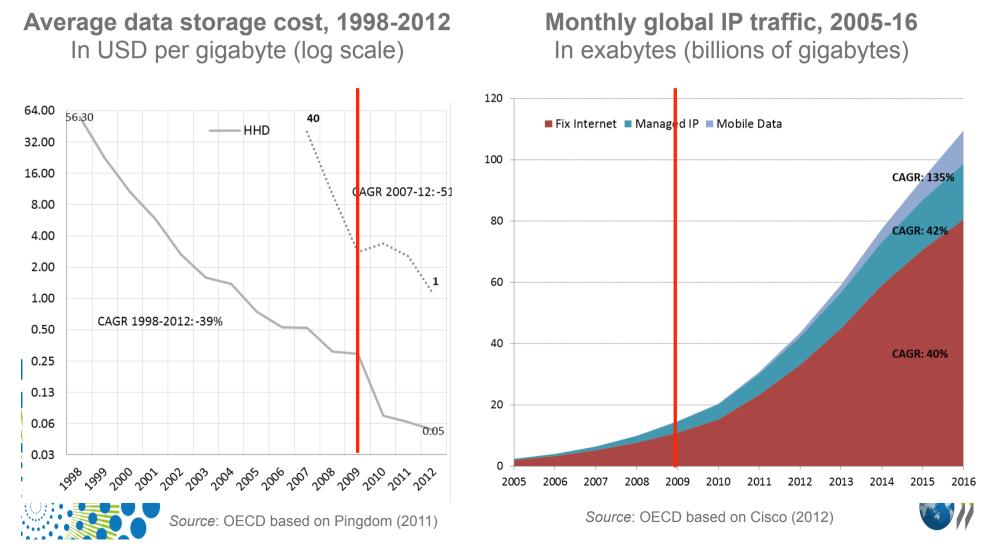


...and forms of investment (KBC)...

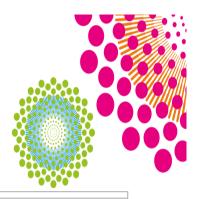


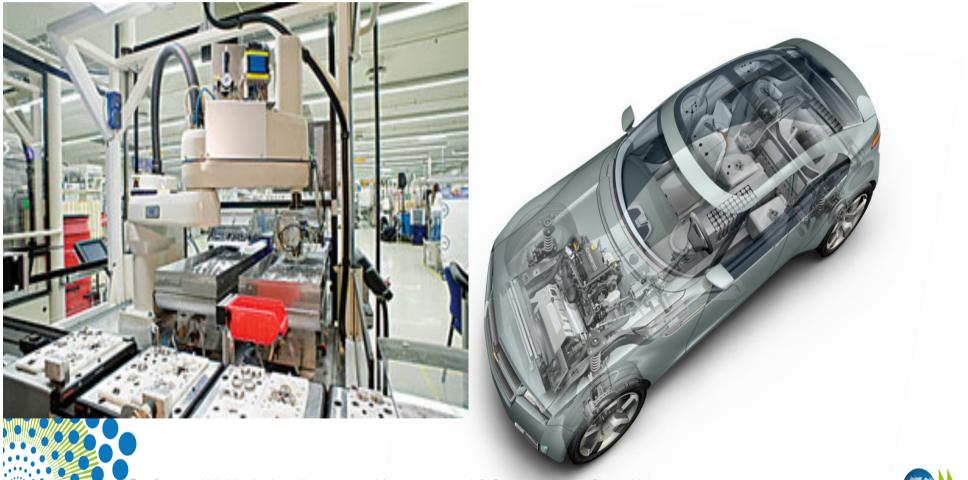
...with data as the enabling factor...





...that is transforming production...







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Source: WikiMedia, http://www.assemblymag.com and © General Motors, Chevy Volt

...and business models...







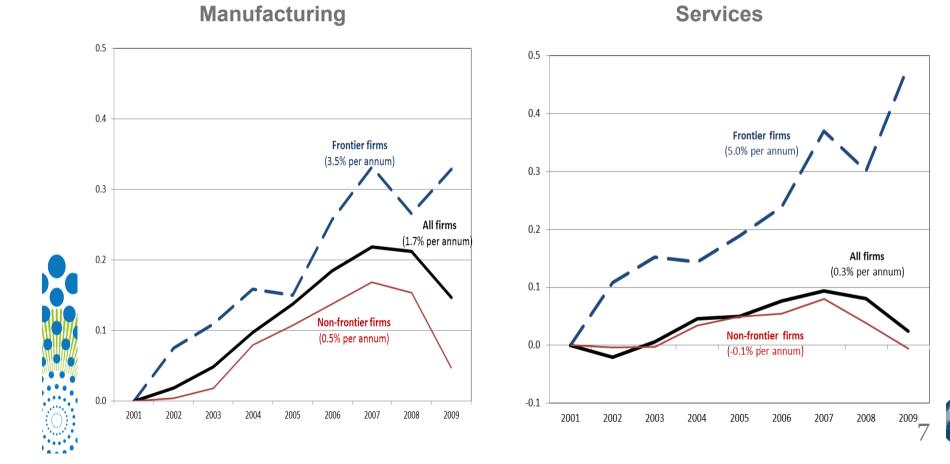
Rolls Royce: "Power-by the-hour"

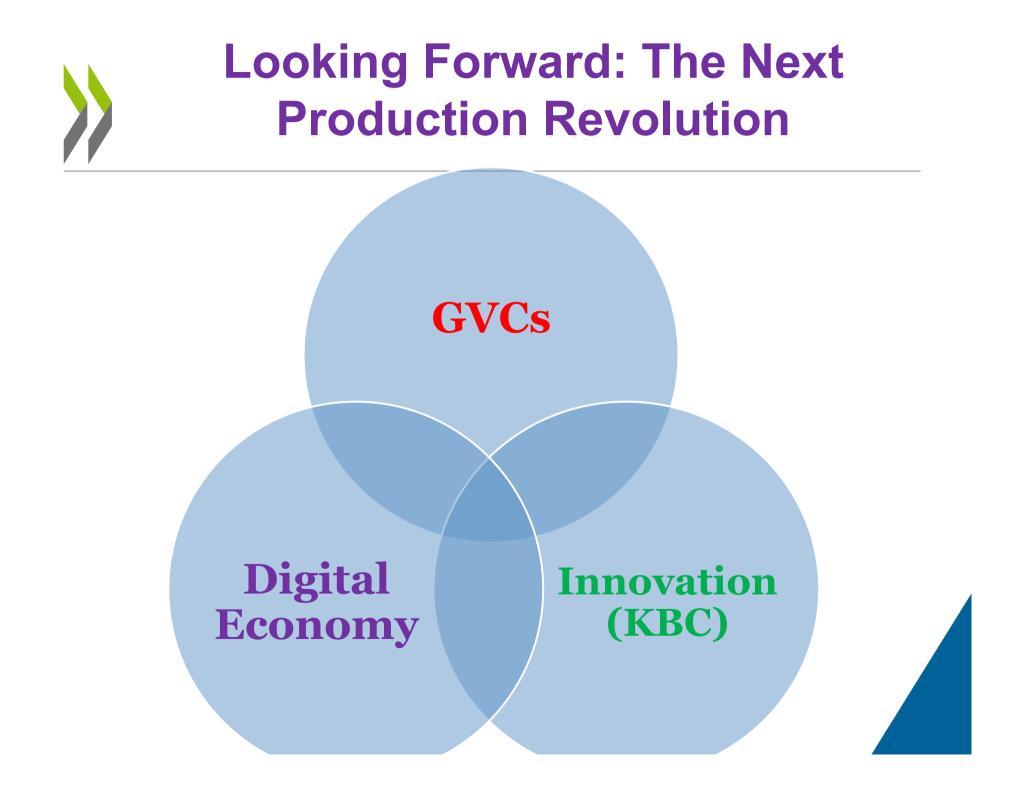


...and may be causing a bifurcation of productivity.



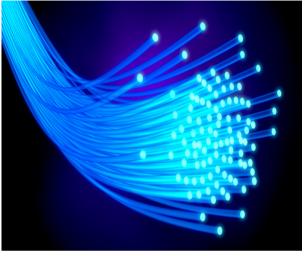
Labour productivity growth (2001 = 100)



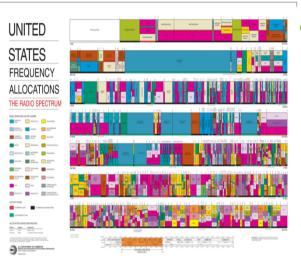


Policy Issue: rethinking infrastructure





Broadband



Radio Spectrum



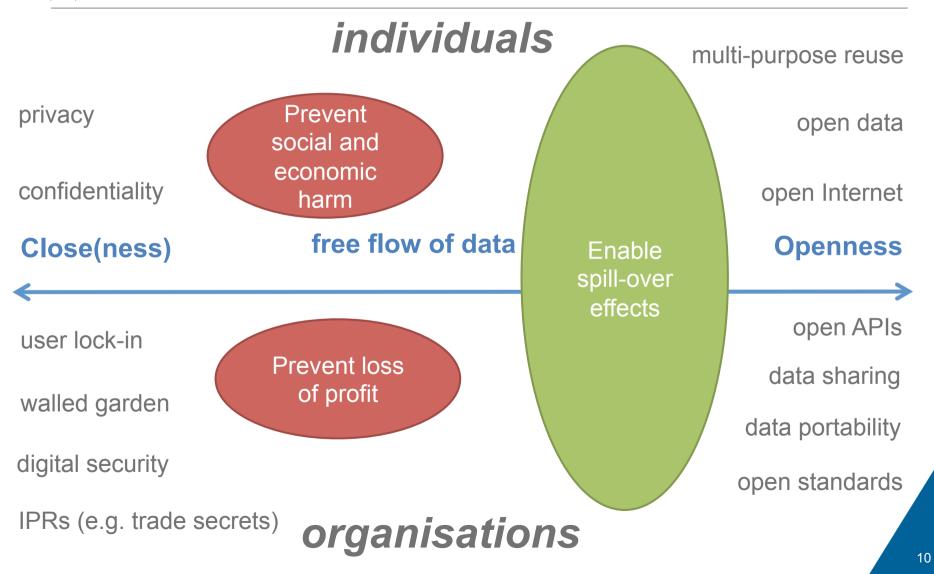
http://www.wisegeek.com/what-is-an-ip-address.htm



Data



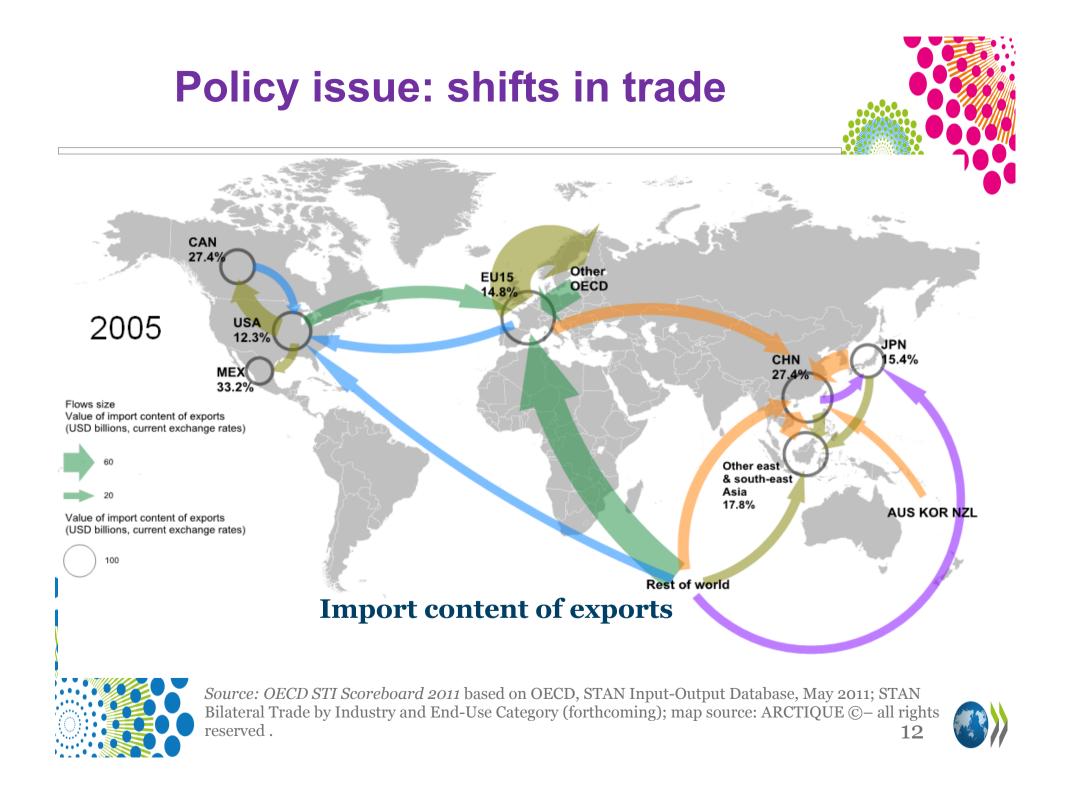
Policy Issue: balancing varying interests



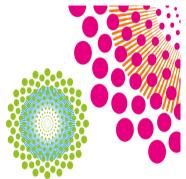
Policy issue: Internet as a sea-lane, data as a cargo container







Moving forward to enable a datadriven economy & society



- Re-building trust;
- Sovereignty and Globalisation;
- Better recognising the tradeoffs and the unintended consequences;



• Expanding the evidence base

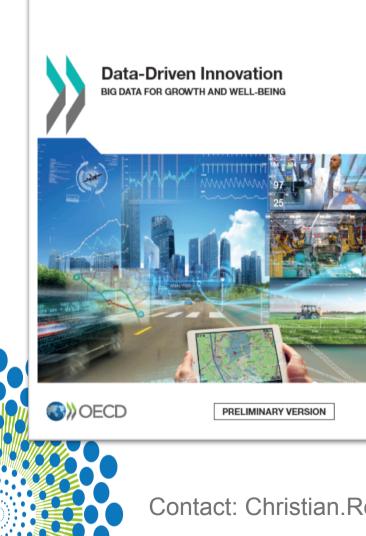


Expanding the evidence base: data on cross-border data flows

- Need to differentiate the data flows:
 - Personalised vs. scientific, logistical, ...
 - Final, intermediate vs. meta
- Get the geography right
- Sources, compilers, authenticators
- ["The Proliferation of Big Data and Implications for Official Statistics and Official Statistical Agencies" OECD Digital Economy Papers No. 245]

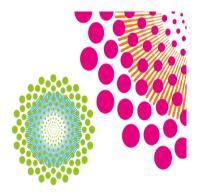
Learn more: Data-Driven Innovation





- To be released in
 September 2015
- http://oe.cd/bigdata



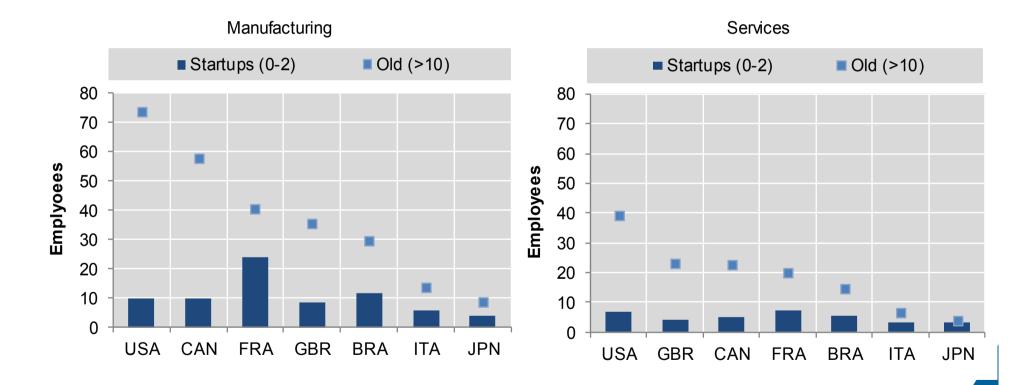






Policy Issues: A new Digital-data Divide

Average size of start-up and old firms



Source: Criscuolo, Gal and Menon (2014). Note: The figure reports the average size of start-up firms (from 0 to 2 years old) and firms more than 10 years old, over the available years.