

Globalisation Dynamics – EU and US perspectives

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After almost half a century of catching – up, Europe started to lag behind the US...

Labour productivity, EU15 and Japan relative to the US



Note: GDP per hours worked in 2016 US\$, United States =100 Source: Total Economy Database, Conference Board (2017)

Partly attributed to labour market developments...



EU employment as a share of total population

Average monthly hours worked

Source: Total Economy Database, Conference Board (2014), World Bank

But ICT revolution might explain much of the difference ...



Note: ICT investment EU aggregate is an average of Austria, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Spain, Sweden and United Kingdom

Sources: European Commission, OECD, van Ark

US firms, especially young ones, specialize in technologically advanced and R&D-intensive products...

Europe specializes in old sectors, the US in new



Note: R&D intensity is measured as the ratio of R&D spending to total sales, for firms established after 1975 (young leading innovators or "Yollies") or before 1975 ("Ollies"). The relative technological advantage is calculated as the share of each region or country (say Europe) in the R&D of a particular sector (say the Internet) relative to the share of Europe in world R&D; values greater than 1 indicate the region is technology specialized in the sector.

Source: Bruegel and World Bank staff calculations, based on the European Commission's Institute for Prospective Technological Studies R&D Scoreboard

Europe is lagging in business dynamism ...



Source: Biosca, A. B., A look at business growth and contraction in Europe, 2011, 3rd European Conference on Corporate R&D and Innovation

Why were firms like Facebook, Google and eBay created in the US and not in the EU?

Labour market institutions not conducive to adopt risky ICT investment decisions ...



Source: Bartelsman, Eric J, Pieter A Gautier, and Joris de Wind (2010), "Employment Protection, Technology Choice, and Worker Allocation", IZA DP No. 4895

Creative destruction and growth of existing businesses constrained by institutional framework ...



Europe must make it easier to do business

Note: Reg. contr. denotes regular contracts and Temp. contr. denotes temporary contracts Source: OECD

Source: Doing Business

Further development of financial markets needed to boost growth of young firms ...



Note: EU is a GDP weighted average of EU28 country rankings Source: Global Competitiveness Report 2017-2018

More efforts in education and knowledge transfer needed



Note: Last available data for the US is 2012.

Sources: Shangai/ARWU index; OECD; European Commission; WB; WIPO