

Growth and Productivity in the European Union

Presentation for the RIETI Policy Symposium, 25 July 2006, Tokyo

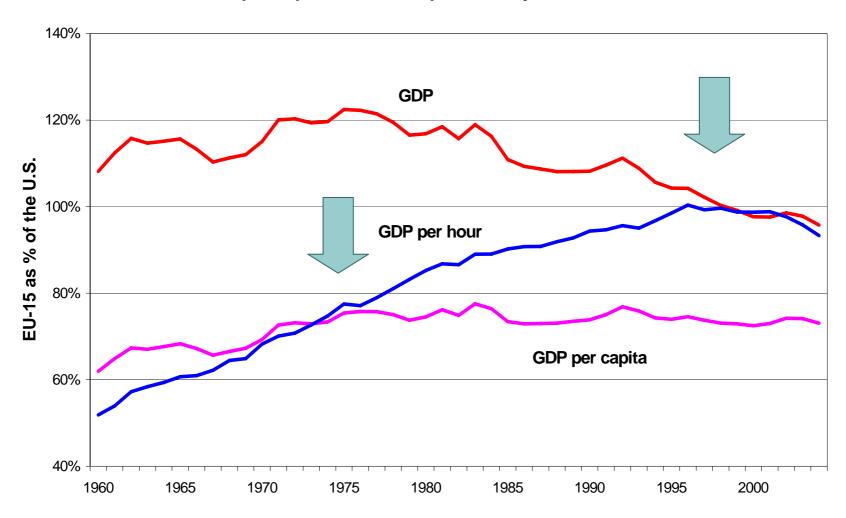
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EU 15 as % of US, Breakpoints

GDP, GDP per capita and labour productivity, EU-15 as % of US





End of European Catch-up Process in 1990s: Why?

>US perspective:

- ➤ ICT-revolution (lagging vs. structural)
 - >ICT-production
 - >ICT-investment
 - ➤ Application of ICT in services

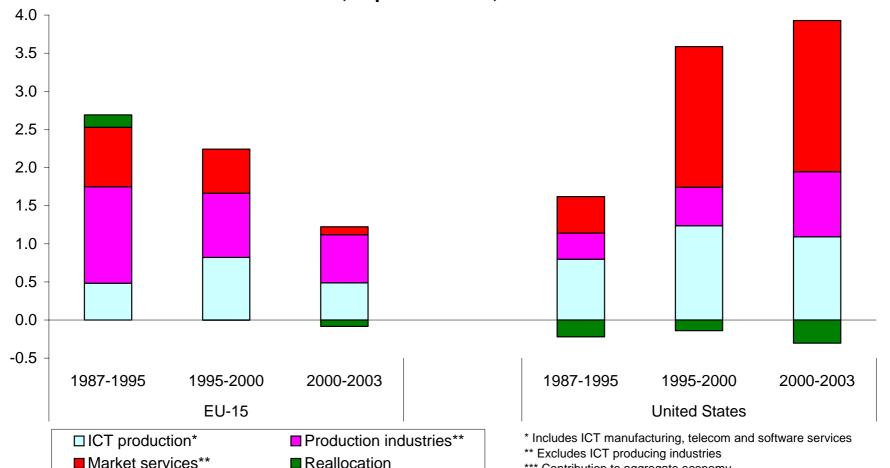
European perspective:

- ➤ Depletion: end of catch-up in "old" technologies
- Changes in labour markets: employment productivity trade-off



Market services industries are key to aggregate labour productivity growth

Industry contributions to market sector labour productivity growth EU-15, Japan and U.S., 1987-2003



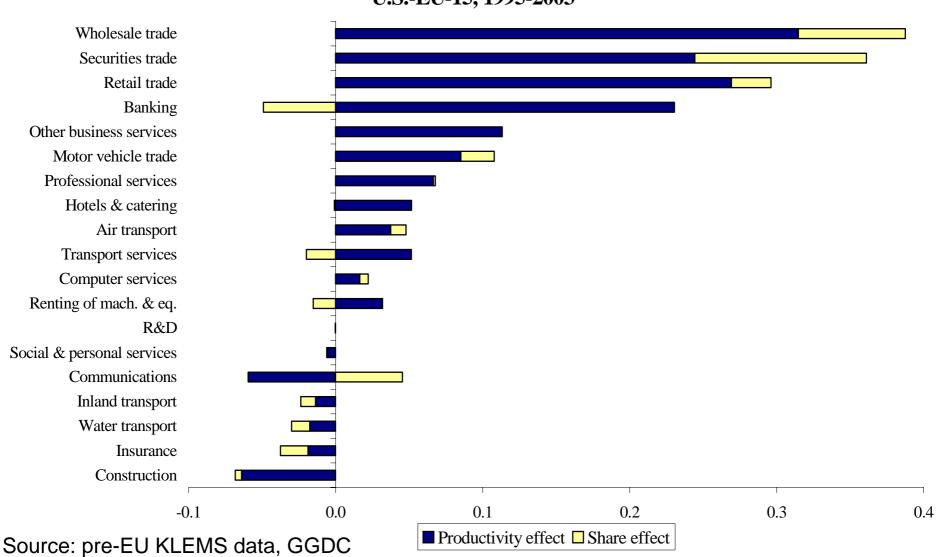
Source: pre-EU KLEMS data, GGDC

*** Contribution to aggregate economy



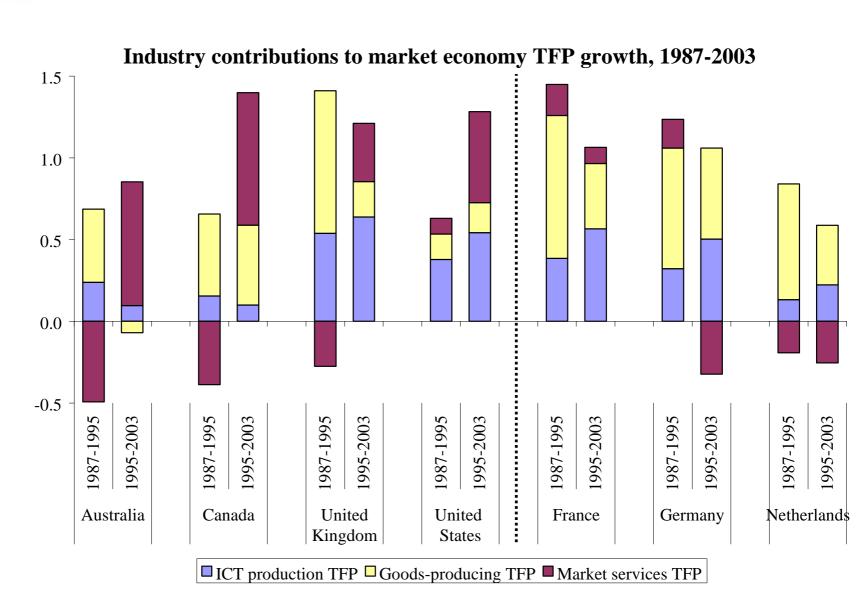
Much variation between service industries

Difference in labour productivity contribution in market services, U.S.-EU-15, 1995-2003



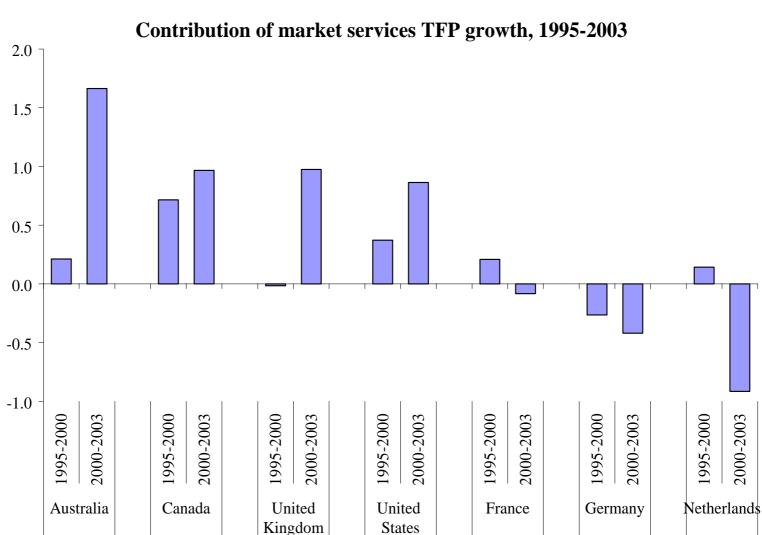


Low TFP contribution from market services



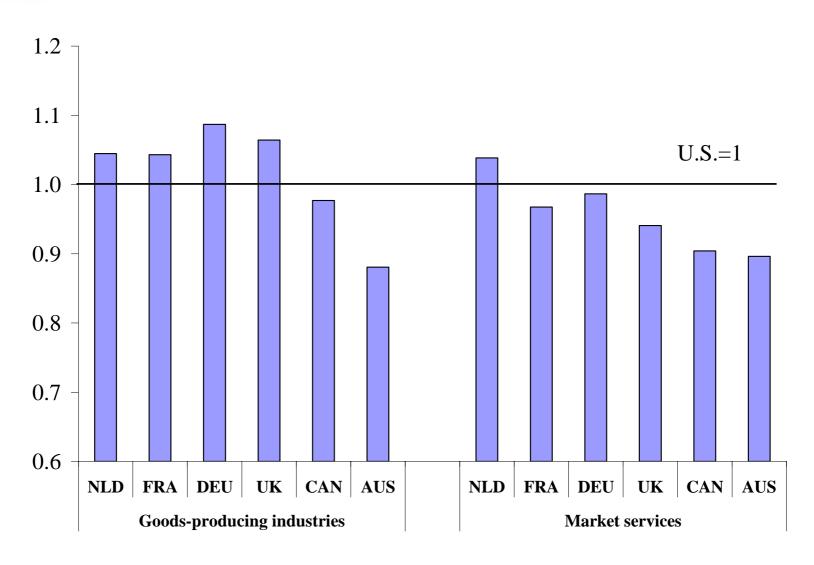


Post-2000 growth even stronger





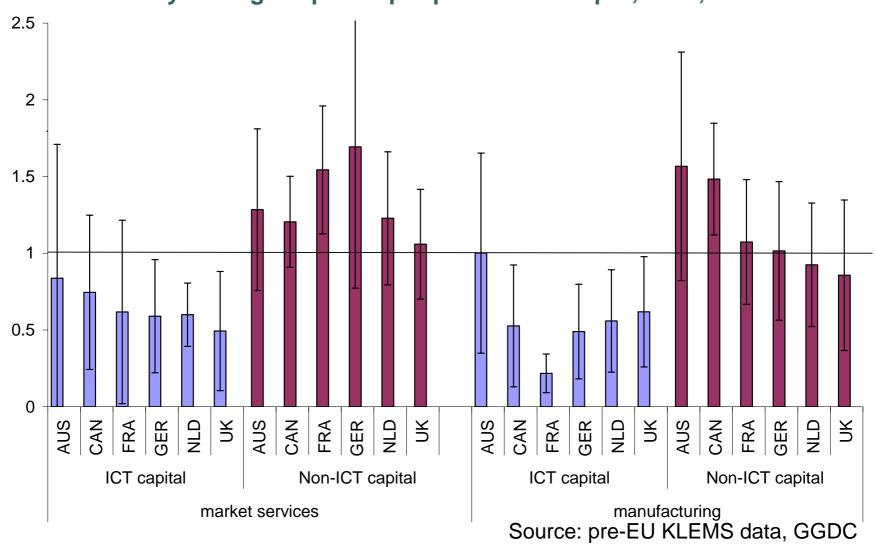
Goods- and services TFP levels, 1997





U.S. most ICT intensive; Non-ICT capital intensity in Europe still larger

Industry average capital input per unit of output, 1997, US=1.0





Europe's productivity is stagnating, but at high levels

- European productivity levels are on par with U.S. in mid
 1990s
- Strong labour productivity growth after 1995 in Anglo-Saxon countries (not just U.S.), much slower growth in Continental Europe
- Small differences in size ICT-producing sector,
- ICT-capital levels clearly lagging.
- Decline in non-ICT capital intensity.
- But TFP growth differences most important factor, especially in market services



Does Europe need a Productivity Agenda?

- End of catching up in 1990s. US spurs ahead, Europe is lagging.
- Optimistic view: just lagging in ICT investment
- Qualified optimistic: conditional on
 - Market deregulation (product/labour)
 - Intangibles
- Pessimistic view: previous productivity growth was artificial.
- Current EU Initiatives:
 - Lisbon Agenda (R&D, Education),
 - Services Directive