Corporate Use

Digital transformation and productivity

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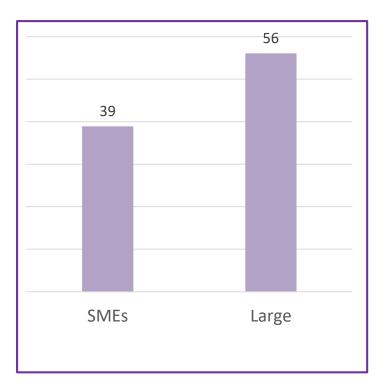
Digitalisation in Europe

- The pandemic as an accelerator of digital adoption
 - Still Europe lags behind
- Signs of digital divide across firms and workers and some risk for those left behind
- There is a cost of delay which suggests the importance of policy response



The COVID-19 crisis has accelerated digital transformation for EU firms

Firms that invested to become more digital as a response to COVID-19



Share of firms %

But the use of advanced digital technologies is stalling

Share of firms %

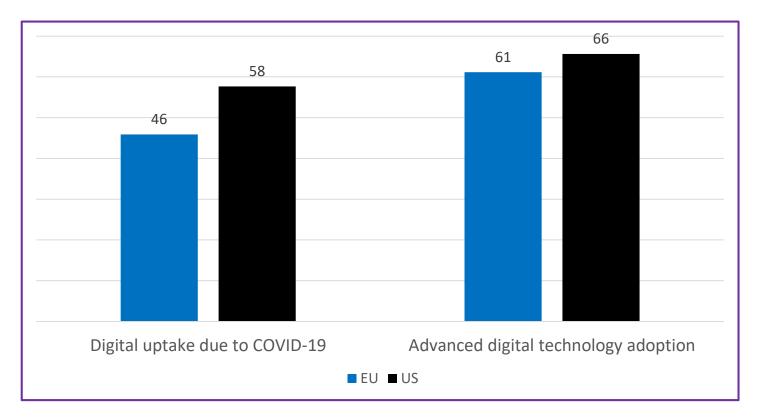




Still, the EU lags the US in digitalization and the digital divide is widening

Digitalisation activities: EU vs US

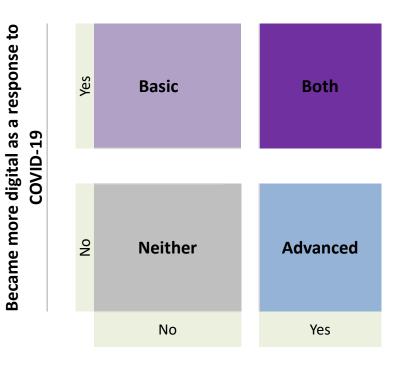
Share of firms %





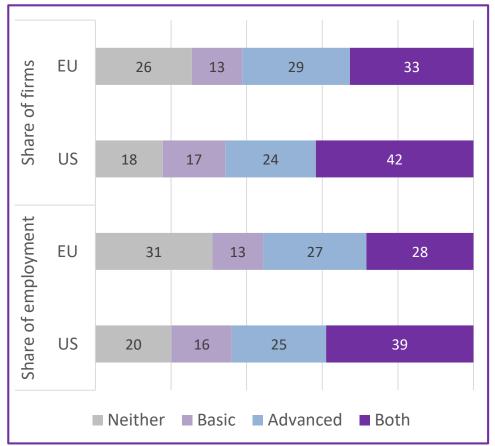
The divide across firms is increasing, with a risk for some to be "left behind"

Corporate digital profiles



Implemented advanced digital technology

Corporate digital profiles: EU vs US in %



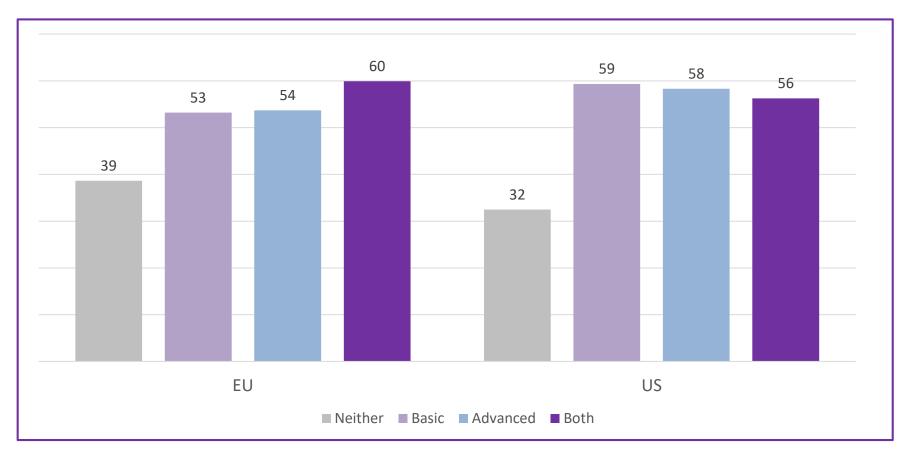


Source: EIBIS 2021, Eurostat, OECD Structural Business Statistics, and US Census Bureau.

The pandemic adds to the skill challenge and risks to exacerbate divergences

Firms investing in employee training

Share of firms %

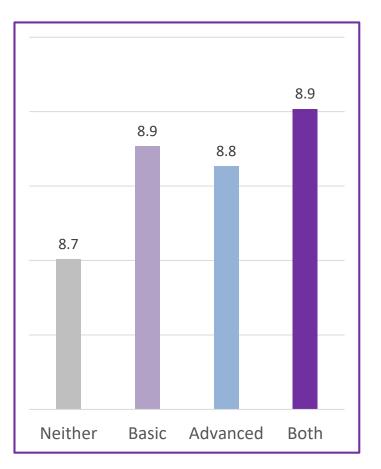




Digital firms tend to be more productive, more innovative and ultimately more resiliant

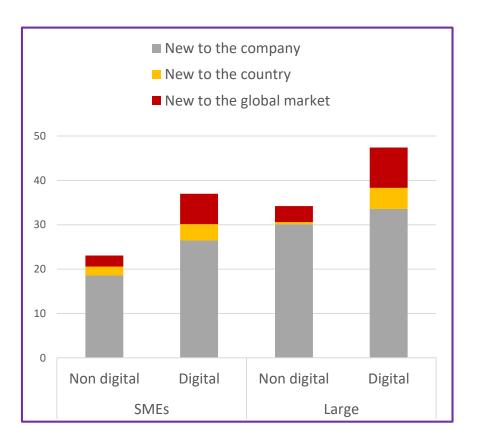
Total Factor Productivity

in log



Firms that introduced new products/services



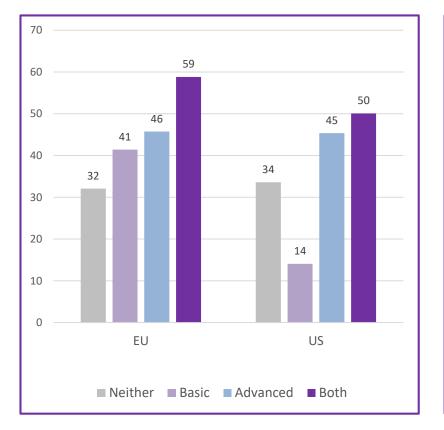




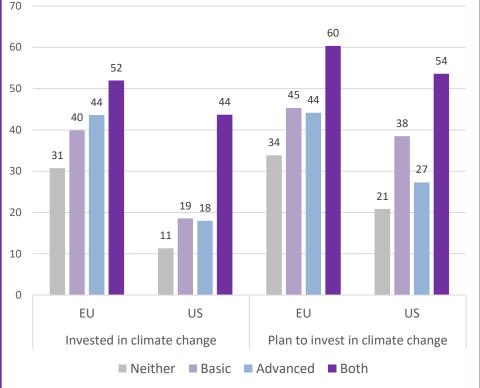
Digital firms are also more proactive in investing in climate change and energy efficiency – a sign of better management

Firms investing in measures to improve energy efficiency

Investments to tackle climate change



Share of firms (in %)



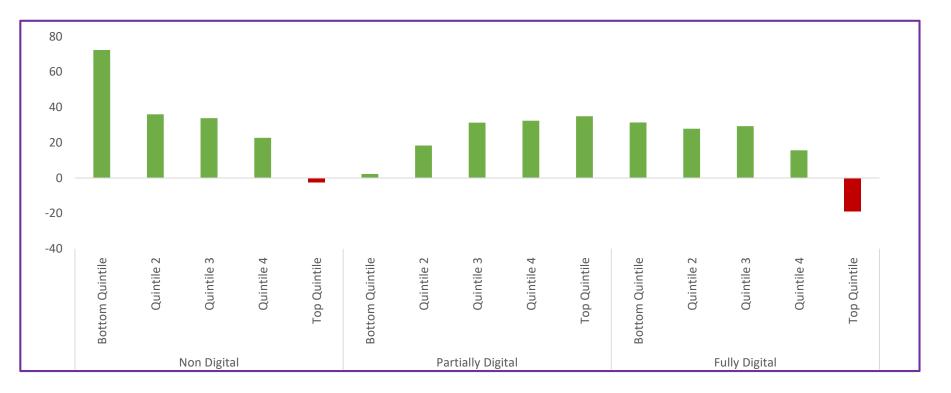
Share of firms %



Some evidence of "leaders takes it all" – the most efficient among the fully digital firms expect competition to decrease

Expected effect on market entry, by digitalisation status and productivity level

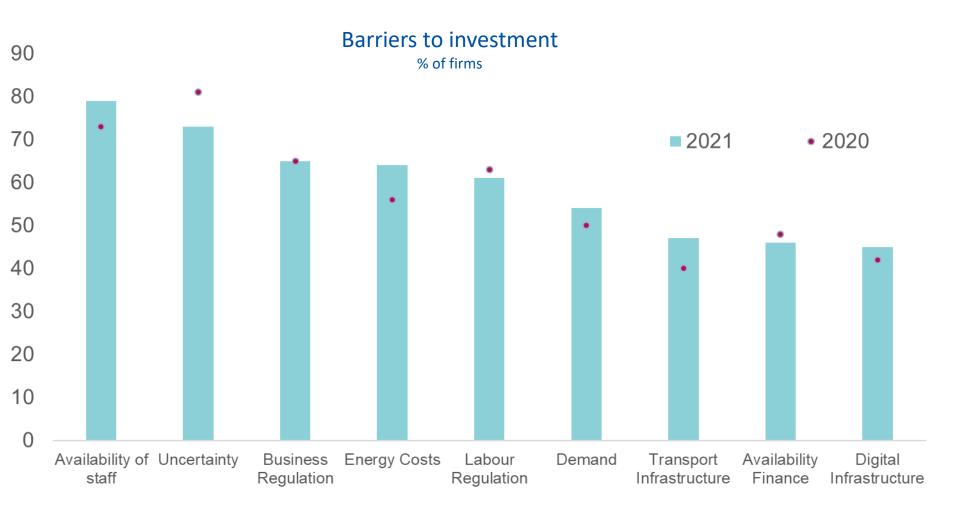
> Net balance of firms expecting an increase in the number of firms competing in their market (in %)





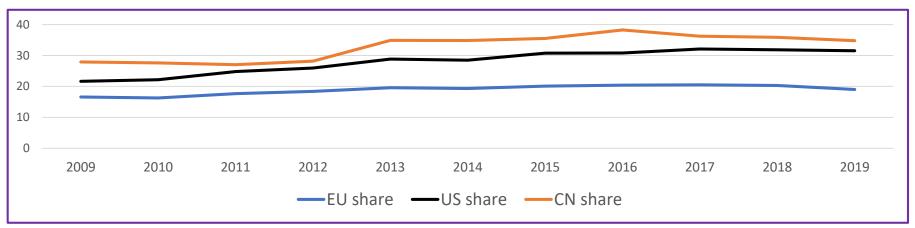
Source: EIBIS Digital and Skills Survey 2018

Unlock private investment by addressing barriers: lack of skills, risk sharing, policy clarity and infrastructure



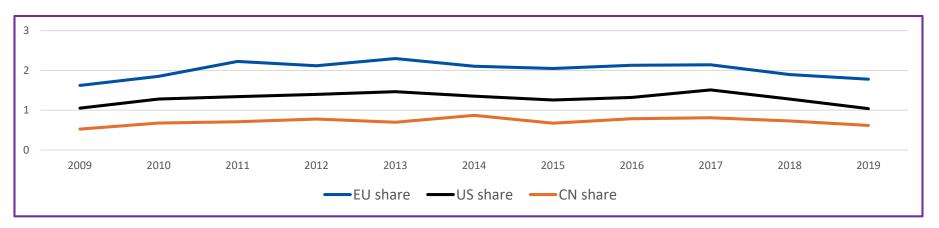


EU is lagging the US and China in digital innovation, but leads at the intersection of digital and green



Digital patents (Share of digital patents in total domestic patent portfolio, in %)

Digital green patents (Share of digital green patents in total domestic patent portfolio, in %)



European Investment Bank The EU bank Source: PATSTAT (PCT) data prepared in collaboration with the Centre for Research and Development Monitoring (ECOOM)

What does it mean for Europe?

- Europe should further enable digitalisation advancements through the spectrum of EU firms, including dealing with laggard, non-digital firms
- The availability of infrastructure and targeted incentives, when they are well designed, can make a strong difference to accelerate the digital transformation
- Advice on funding and consistent regulation is the policy support that nondigital firms would find most helpful to invest in digital technologies
- Focus on innovation, leveraging on the lead at the intersection of digital&green



Corporate Use

The EIB Investment Report and the EIB Investment Survey (EIBIS)

- The Investment Report is the EIB flagship report, combining macro and micro data to understand investment patterns in Europe, combining structural and cyclical features
- Combined to EIBIS a unique tool, established to track non-financial corporate investment activities in the 27 member states of the EU, the UK and since 2019 the US
 - Administered on a yearly basis since 2016
 - In the field April-July each year
 - Covering manufacturing, services, construction and infrastructure sector...
 - ... and 4 size classes (micro, small, medium and large)
 - Matched to ORBIS data and PATSTAT





https://www.eib.org/en/pu blications/investmentreport-2021

