# Economic growth and productivity gains in the EU

Patrick Bisciari, Research Department Conference on the Future of Europe, 20 October 2023, Warsaw

This presentation reflects the author's views and not necessarily those of the National Bank of Belgium, its Board or its Management.

# Real GDP slowed down in both the EU27 and the US and grew less rapidly in the EU

(annual % changes)



Source: EC, Spring forecast 2023.

#### TFP and capital deepening have been the main drivers of potential growth



(contributions to annual % changes in potential GDP, averages)



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■ Hours ■ Capital deepening ■ TFP

Source: EC, Spring forecast 2023.

#### Cross-country differences: from worst to best – 1/2



(contributions to annual % changes in potential GDP, averages)

■ Hours ■ Capital deepening ■ TFP

Source: EC, Spring forecast 2023.

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#### Cross-country differences: from worst to best – 2/2



(contributions to annual % changes in potential GDP, averages)



#### Slowdown in hourly productivity: a long-term view



(Average annual growth rate in %, HP filter)

Source: www.longtermproductivity.com

#### What happens to the level of productivity in various scenarios?

2. Permanent positive shock

percentage changes wrt previous period) - (indices t0= 100)

1. Temporary positive shock







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Source: Bisciari P. (2021).

### What to expect for economic growth?

| Tailwinds   | Headwinds  |
|---|--|
| Employment rate (limits)  | Demography and ageing -> working-age population  |
| Capital deepening (limits)  | Hours per worker   |
| GPTs (4th industrial revolution)  | but less transformative than in the past<br>but developed elsewhere than in Europe<br>but human-replacing innovations (vs enhancing)   |
| expected complementary innovations  | but organisational changes and new skills needed   |
| Diffusion to laggards   | but obstacles (competition, costs of intangible assets)  |
|   | Limits to rising educational attainment<br>Deglobalisation and fragmentation   |
| A more sustainable growth   | Climate change and biodiversity (long-run and extreme events)<br>Negative supply shocks (war, energy,)   |
| Policies  | Inhibiting factors (shortage of skilled workers, access to financing,)<br>Role of inequalities (income and wealth)<br>Crisis-related factors (adverse feedback loop, debt overhang, hysteresis, zombies) |
| Mismeasurement, scars from the pandemic, impact of ageing on productivity, green transition |  |

#### Thank you!

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