



## Panel "Diversifying economies in a world of accelerated digitalization"



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# 1. Development gaps



## International gaps

## Latin American Countries (LAC) vs Europe & North America

### Capability gap

Gross graduation ratio in tertiary education

	LAC (1)	Europe (2)	(1)–(2)
2002	13%	30%	-17 pp
2022	24%	48%	-24 рр

GERD as a percentage of GDP Distance to Europe



## Productivity gap

Output per worker

	2000	2023
Productivity LAC/ Productiviy US	34%	28%
Productivity LAC/ Productivy EU27	41%	36%

GERD as a percentage of GDP Distance to Northern America



Sources: UIS, ILO

# Within countries gaps

GDP and employment composition, by productive groups



#### Latin American countries

- "Modern islands" of small group of large innovating firms, labor formality and high-skilled employment
- Large group of smaller firms with technological lag, high levels of labour informality and low-skilled employment



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## Which paths for productive transformation?\*

#### Not only diversification

Economic growth depends on productive efficiency in all existing industries

=> digitalization, Industry 4.0, quality management

#### Not any diversification

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Diversification impacts on economic growth when:

- it happens in more technology-intensive industries
- it is supported by an upgrade in capabilities/ skills

\*Barletta & Suarez (2024) for Argentina; Arbache (2016) for Brazil; Cortinovis and van Oort (2015) for European Regions; Lebdioui et al. (2021) for Chile and Malaysia ; Dasgupta & Singh (2005) for India; di Meglio et al. (2016) for 29 developing countries

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# 3. The own strategy

path-

A virtuos process of structural transformation



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All industries and their linkages

Place- and

dependent

Capabilityintensive

3 complementary productive paths





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# Path- and Place-Dependence



01

#### **History matters**

Past economic policies, technological advances and accumulated learning condition current and future development paths

#### **Local conditions**

02

Specific geographic characteristics, resource endowments and available infrastructure shape production possibilities.

#### **Starting points**

03

The existing productive structure, including industry composition and capabilities, determines the starting point for structural transformation.





# All industries and their linkages

#### **Beyond sectorial debate**

01

The point is not which industry to develop but how to develop a more productive, integrated and innovative structure

#### Inter-industries sinergy

02

Modern services complement rather than replace manufacturing or agriculture activities

Industry 4.0 Technologies Increasing importance of **modern services**: knowledge- and technologyintensive, tradable and highly productive Convergence between different industries E.g. Agtech & agricultura & satellite industry in Argentina



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## **Capability intensive**



#### **Transversal condition**

All successful catch-up cases, whether driven by natural resources (Chile, Malaysia) or by manufacturing (South Korea, Singapore) or by services are based on an upgrade in capabilities

#### **Cause and effect**

Capabilities are both cause and consequence of innovation, and are necessary to adopt and generate innovation.

More than ever, within the framework of the 4.0 technology paradigm, which demands very high skills







# 3 complementary productive paths





# 4. The role of industrial and innovation policies



#### Public goods

Information and evidence based policies => innovation and industry surveys beyond manufacturing

Digital & connectivity infraestructure as a key ENABLING FACTOR There is no single path for structural transformation => idiosyncratic process

Policy and Industry 4.0 Technologies

- To improve the current path -> enhance productivity in all existing industries
- To create new paths -> multiple sectors that may be linked (services ≠ manufacturing)

Not only industrial and innovation policies but, more than ever, **capacity-building policies** 

More importance of Industrial policy

More importance of **Innovation** policy • • • • • •

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## THANKS FOR YOUR ATTENTION!

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