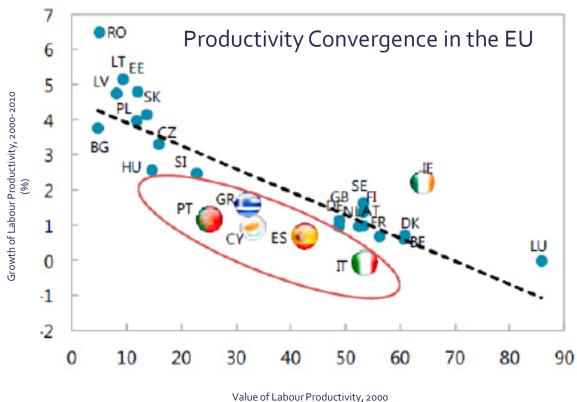
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### PRODUCTIVITY REMAINS "THE CHALLENGE"



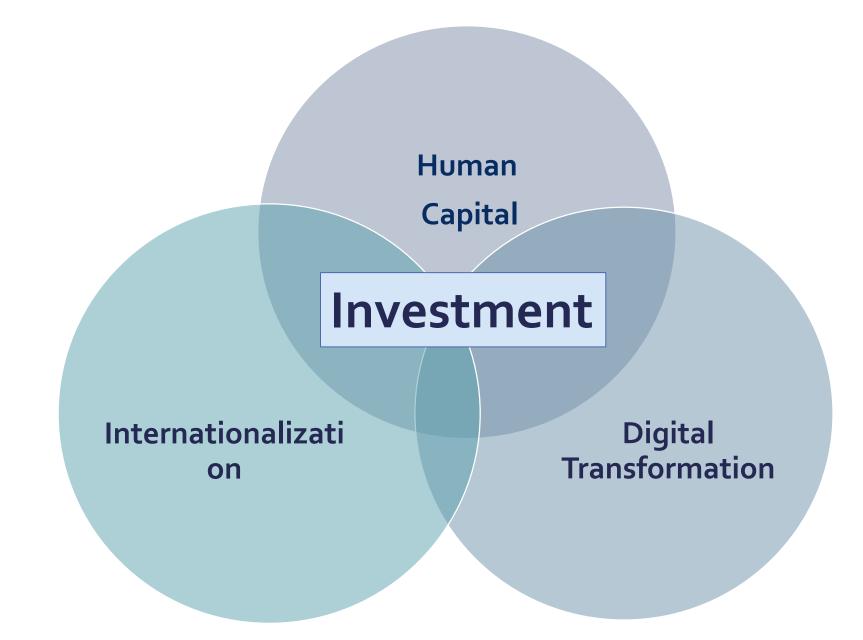


Contribution to Growth: 1,88% **Productivity And Employment** 2,37% 2,44% 0,08% 1,10% 0,98% 0,98% 0,69% 1980-84 1985-89 2015-17 1990-94 1995-99 2000-04 20 1,74% -0,04% 3,77% 1,73% -0,29% -0,09% -0,68% -2,21% Source: Banco de Portugal, 2019.

Productivity (GDP/Labour) Labour (ELF)

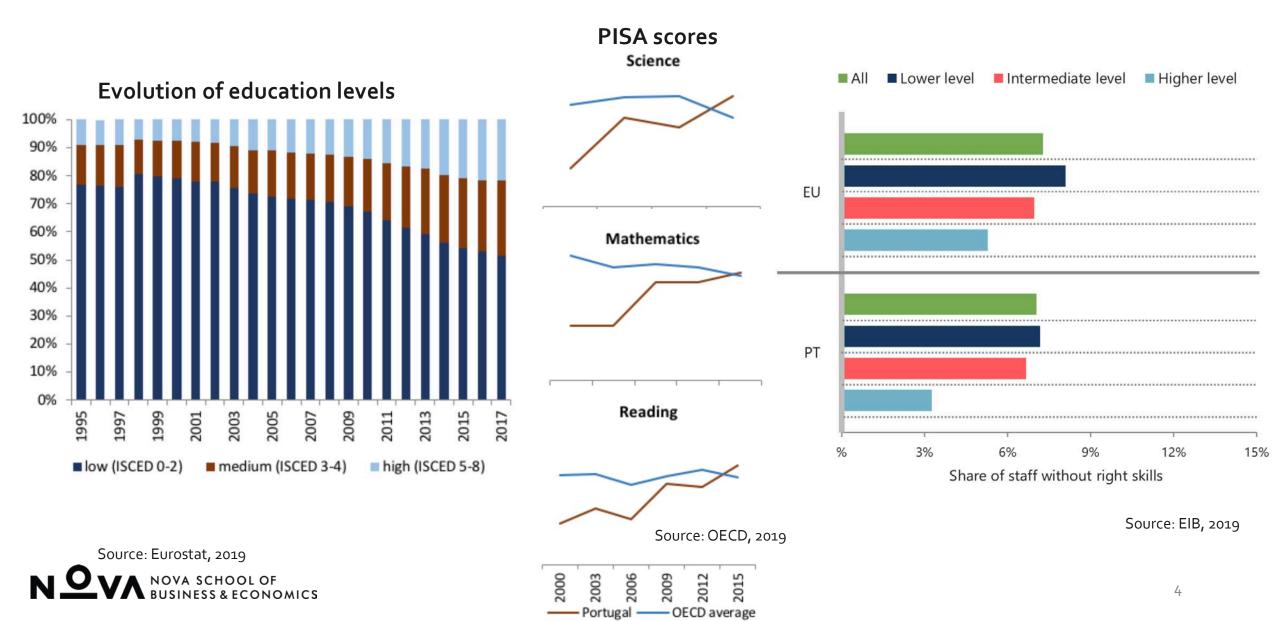
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Source: AMECO and IMF, 2010.





#### **QUALIFICATIONS AND SKILLS PORTUGAL**



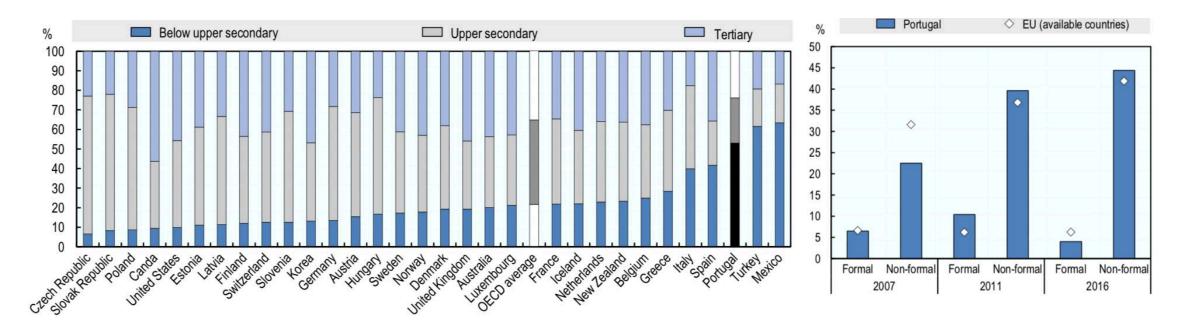
#### **ADULT EDUCATION IN PORTUGAL**

#### A long way to go...

Education attainment of adults (25-64 year-olds) in Portugal, 2016

#### but catching up

Participation rate (last 12 months), by type of education and training



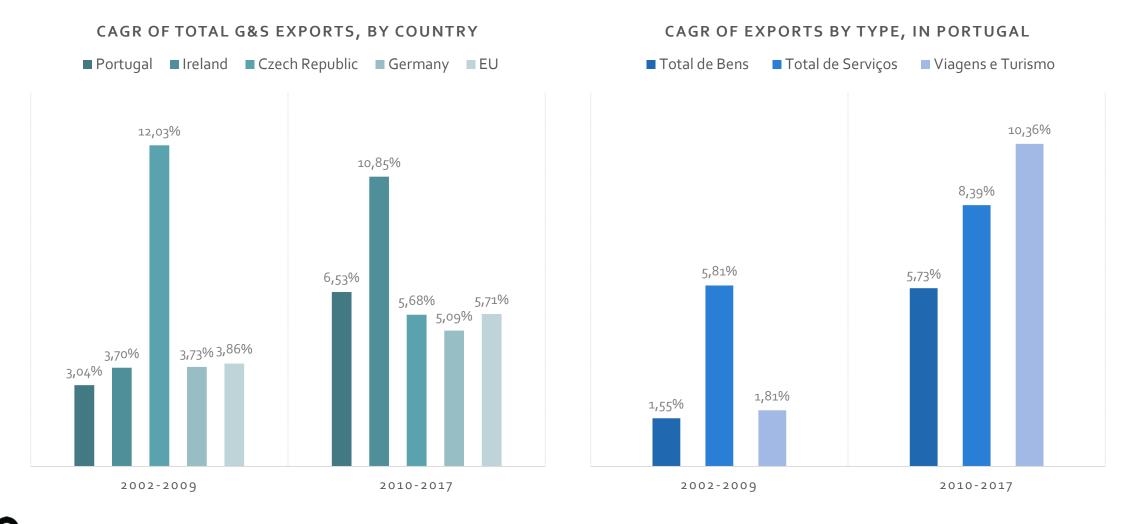
Source: OECD, 2019



# Challenges

- Technical Skills and Skills of the Future in Higher Education
- Retraining of Adults for Digital Challenges
  - Funding and Institutions

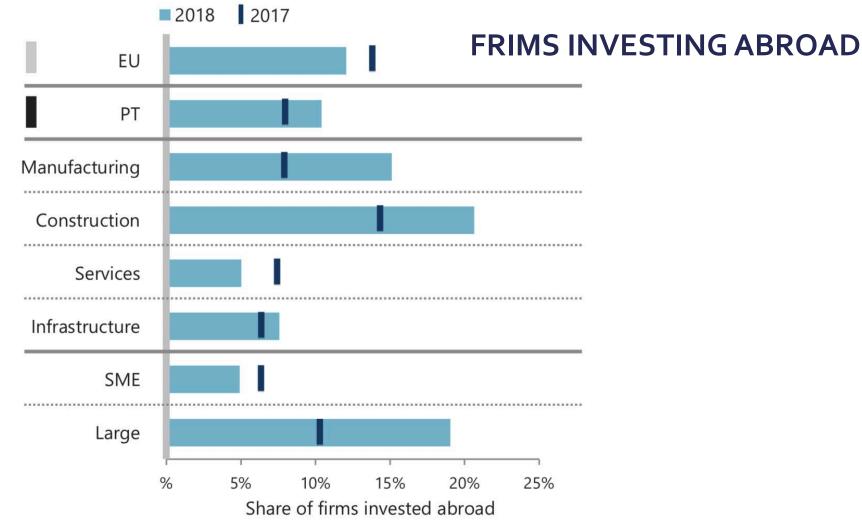
#### PORTUGAL SLOWLY CATCHING UP ON INTERNATIONALIZATION



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#### Source: Eurostat, 2019.

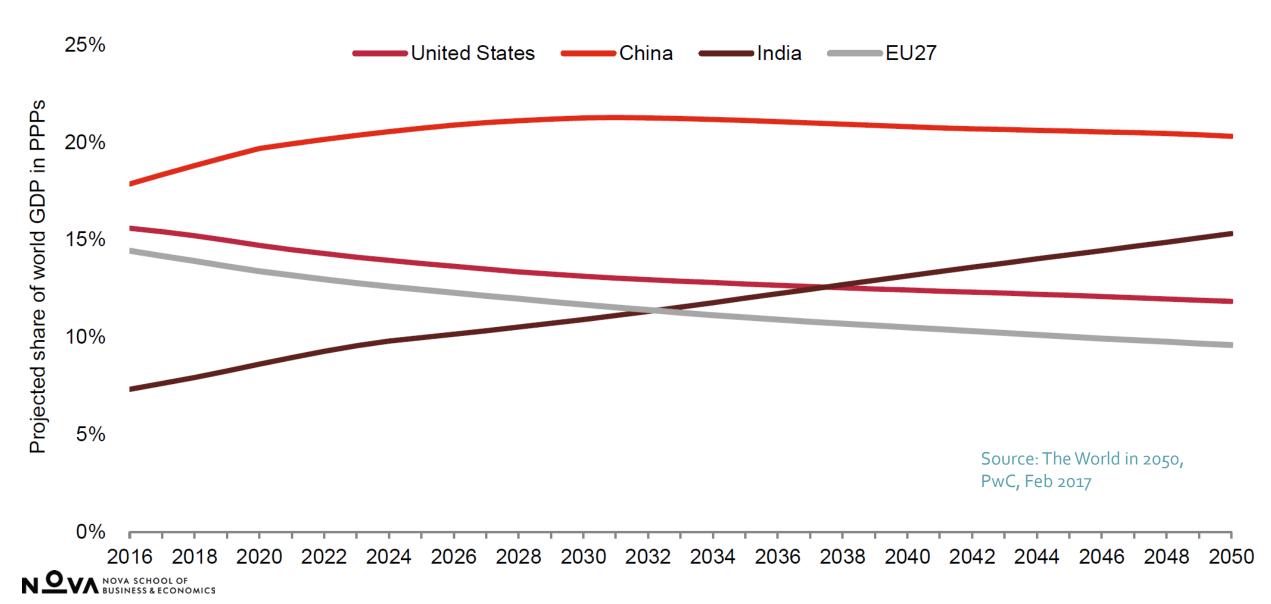
# **BUT PICKING UP PACE**



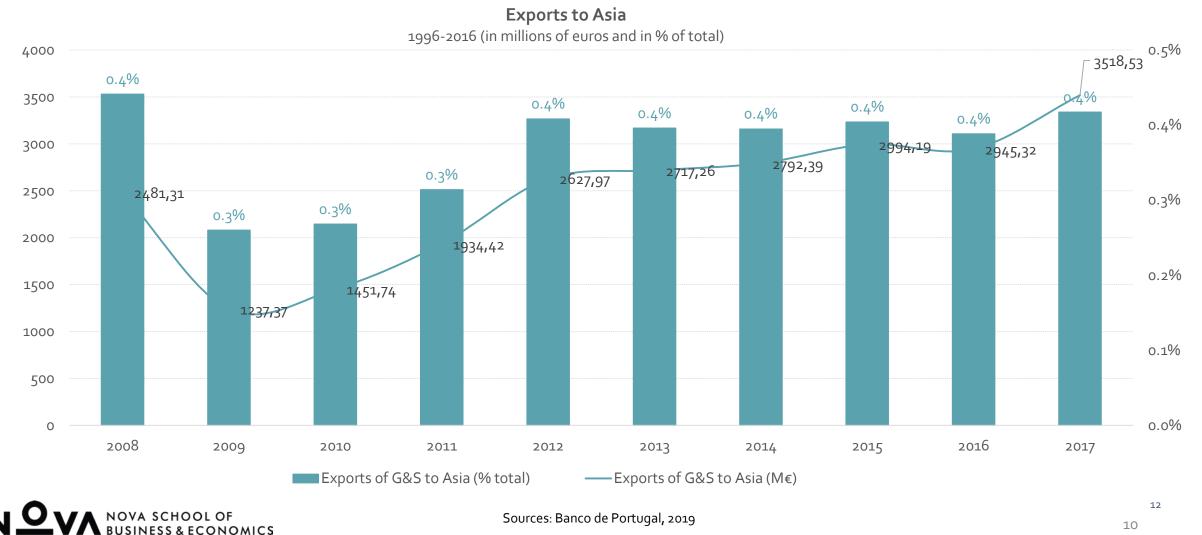
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Source: EIB, 2019

### **GLOBALIZATION TO ASIA WILL CONTINUE**



# **PORTUGAL TOO SLOW IN ASIA**

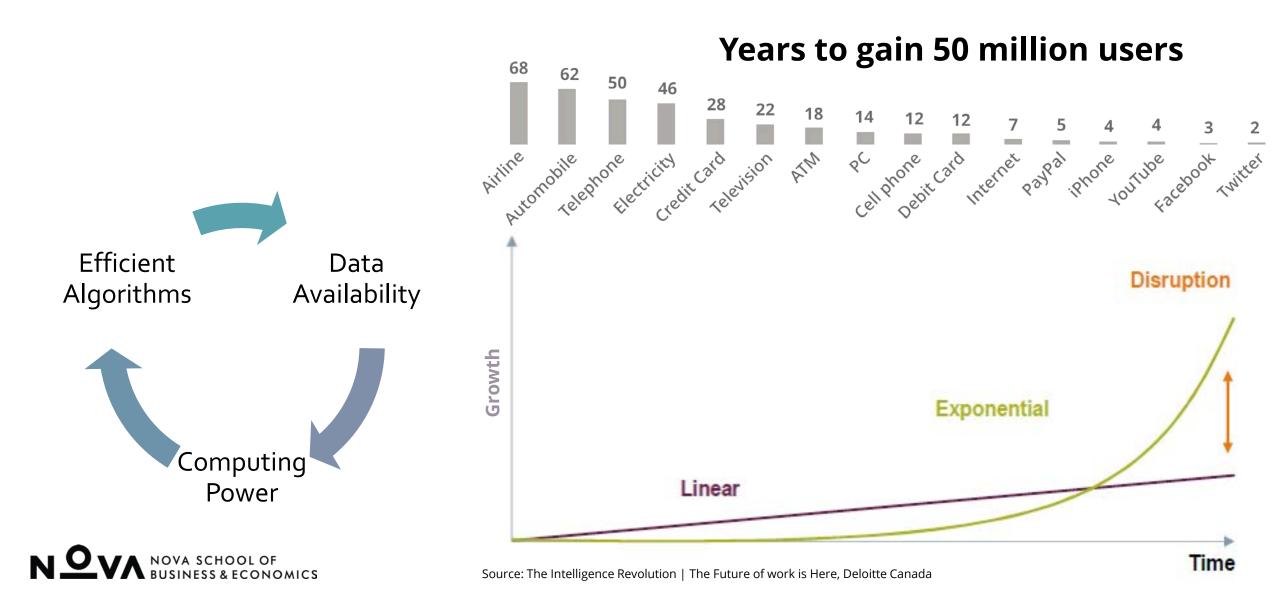


Sources: Banco de Portugal, 2019

# Challenges

- Collaboration among firms
- Investment and lead time in Internationalization
- Economic Diplomacy

# **DIGITAL TECHNOLOGY IS EXPONENTIAL**



# ... AND DISRUPTIVE

If the rate of change on the outside exceeds the rate of change in the inside, the end jask Melor.

63%

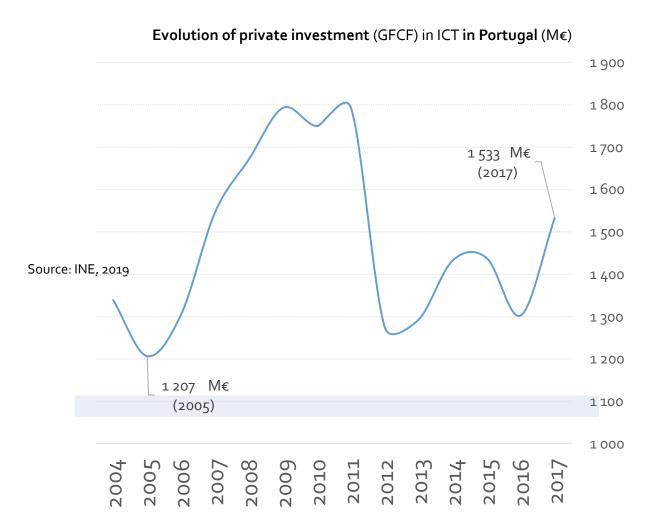
**OF COMPANIES ARE** 

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EXPERIENCING DISRUPTION

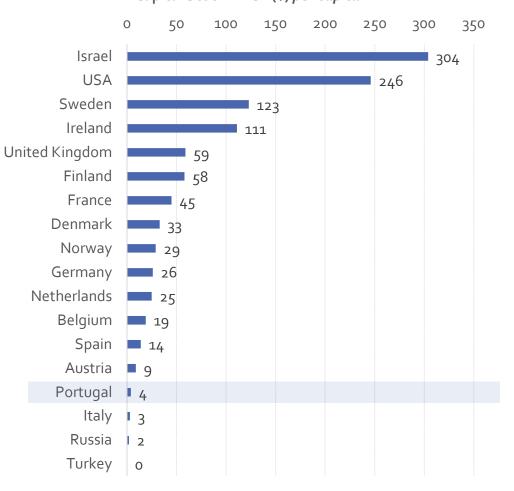


# **PORTUGAL LAGGING**



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Capital Stock in ICT (\$) per capita



#### Source: State of European Tech, 2017

# Challenges

- Leadership and Culture
- Investment in Intangibles
- Digital jobs
- Speed and Stakeholder Partnerships

### LEADERSHIP and CULTURE

Bureaucratic hierarchies move slowly, and entrenched interests shy away from risk. In the most dysfunctional organizations, signaling that work is being done becomes a better strategy for career advancement than actually doing work (if this Peter Thiel Descriptions, or Your the Foture mpany, you should quit now). NOVA SCHOOL OF BUSINESS & ECONOMICS



**Disrupt or get disrupted!** 

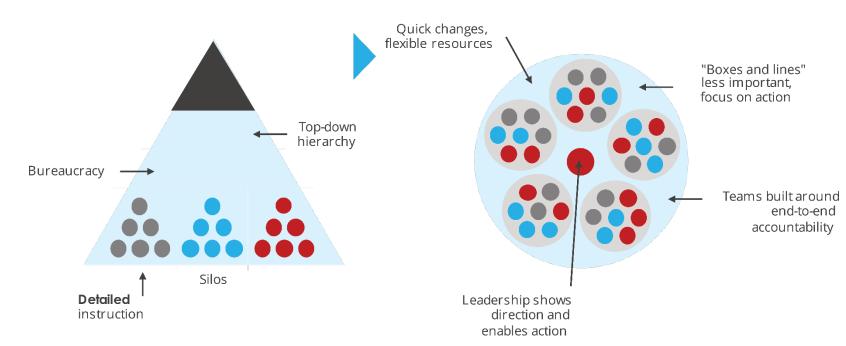
# LEADERSHIP and CULTURE

"Give employees slightly more freedom and empowerment than you are comfortable with.

If you are not,

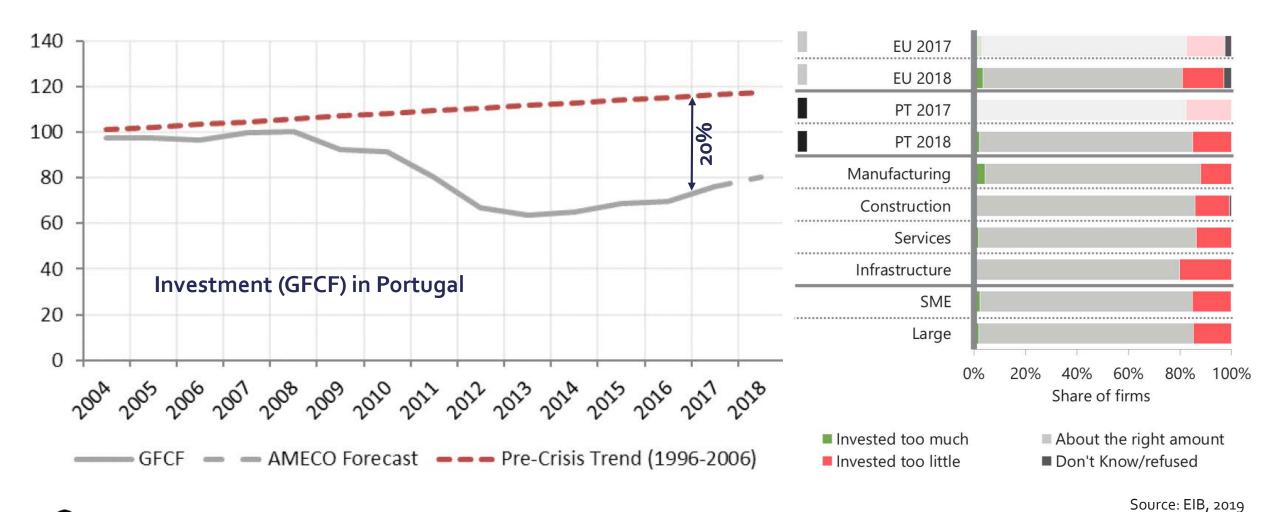
Former SVP People Operations, Google given them Never the provession of the provided of the pr

#### AGILITY IS CULTURE



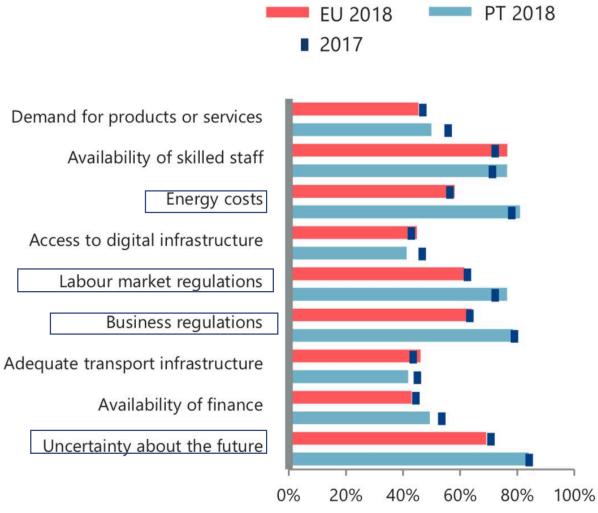
# THE INVESTMENT SLUMP

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18

# LONG-TERM BARRIERS TO INVESTMENT

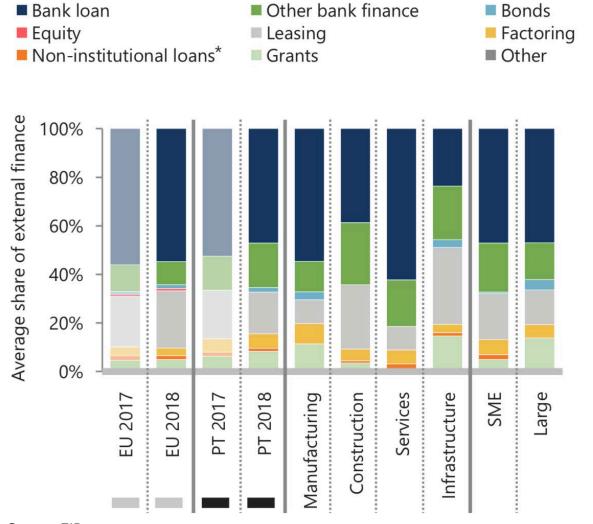




Source: EIB, 2019

Share of firms

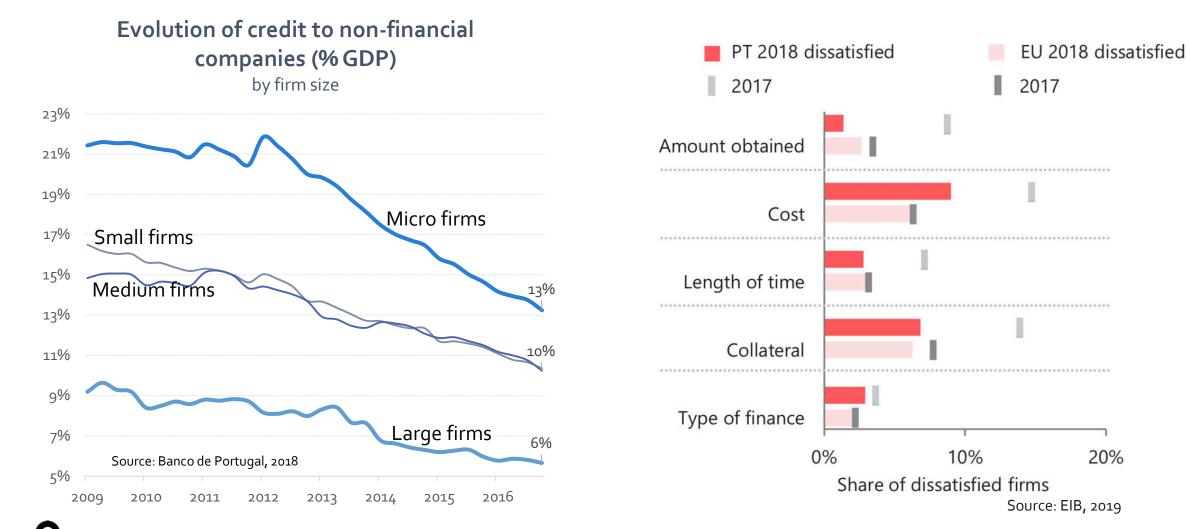
### **ACCESS TO FINANCE** Type of External Finance used for Investment



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Source: EIB, 2019

### **ACCESS TO FINANCE** Dissatisfaction with External Finance



NOVA SCHOOL OF Base: All Business & economics O. How set

 $\mathcal{D}$ 

Base: All firms who used external finance in the last financial year (excluding don't know/refused responses) Q. How satisfied or dissatisfied are you with ....?



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