

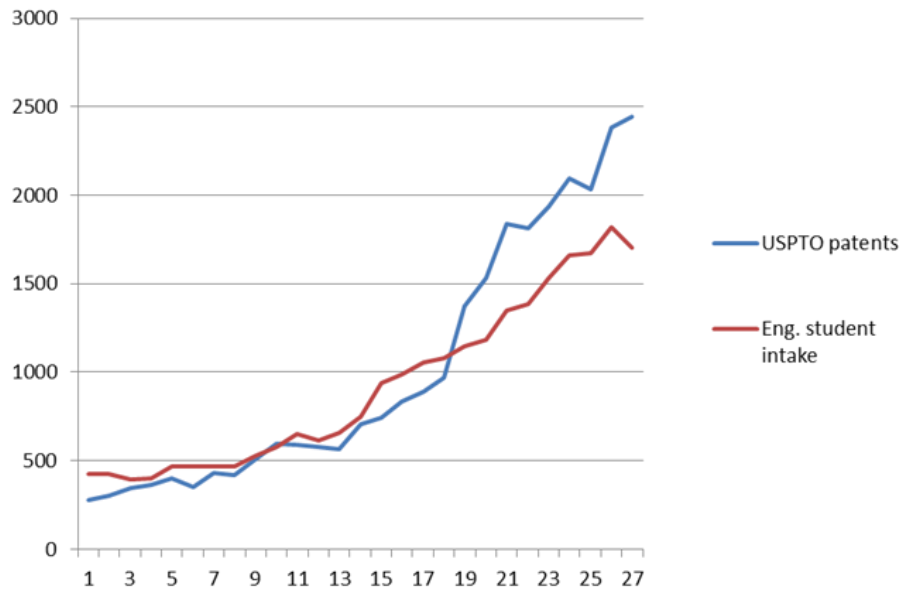


AGÊNCIA NACIONAL  
DE INOVAÇÃO

**EMPREGO QUALIFICADO E INOVAÇÃO**

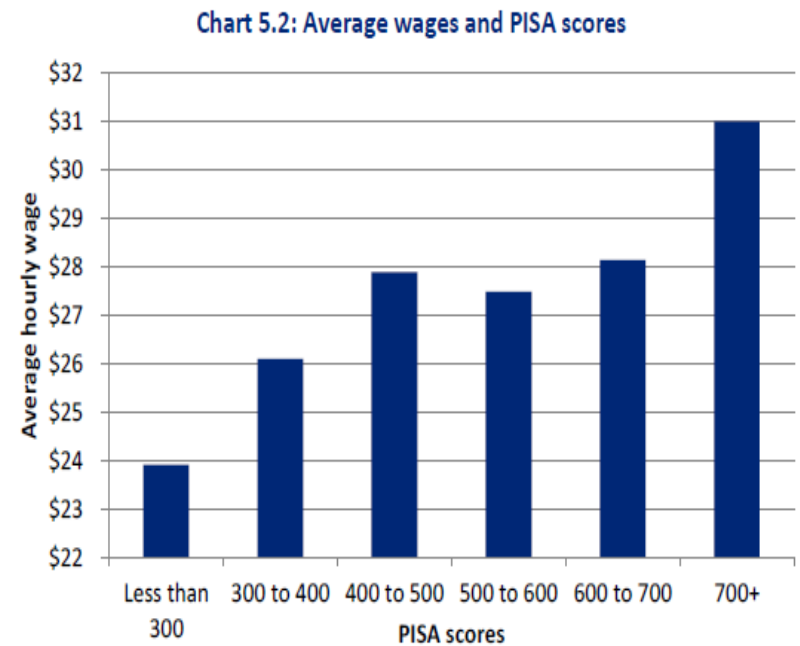


+Qualificações → + Inovação



Source: Toivanen and Väänänen (2013)

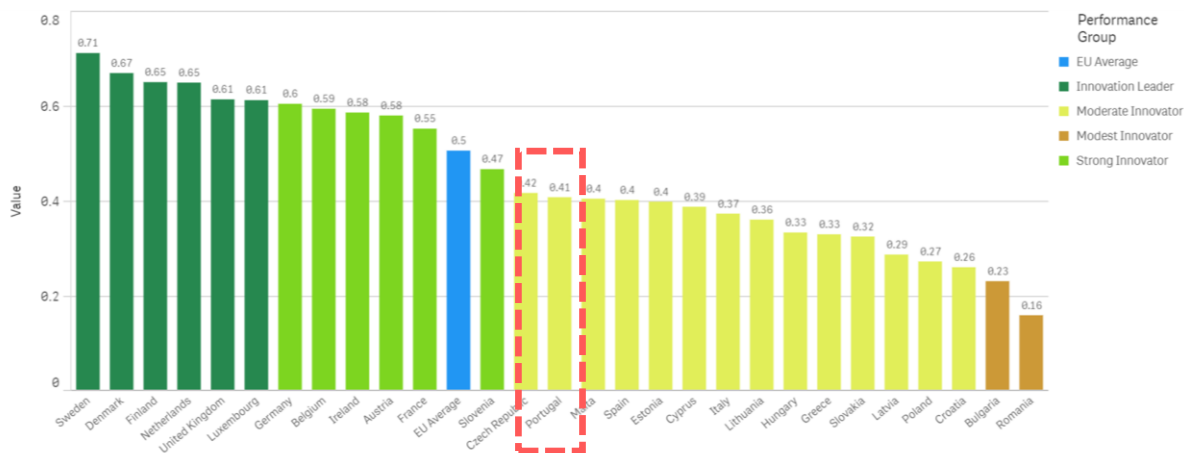
+Qualificações → + Salários



Source: LSAY 2003,2006; DAE calculations

## Portugal: inovador moderado

- Aumentos no investimento em I&D nos últimos 15 anos
- Deficiências na criação de valor a partir desse conhecimento
- Défices de competências para a inovação



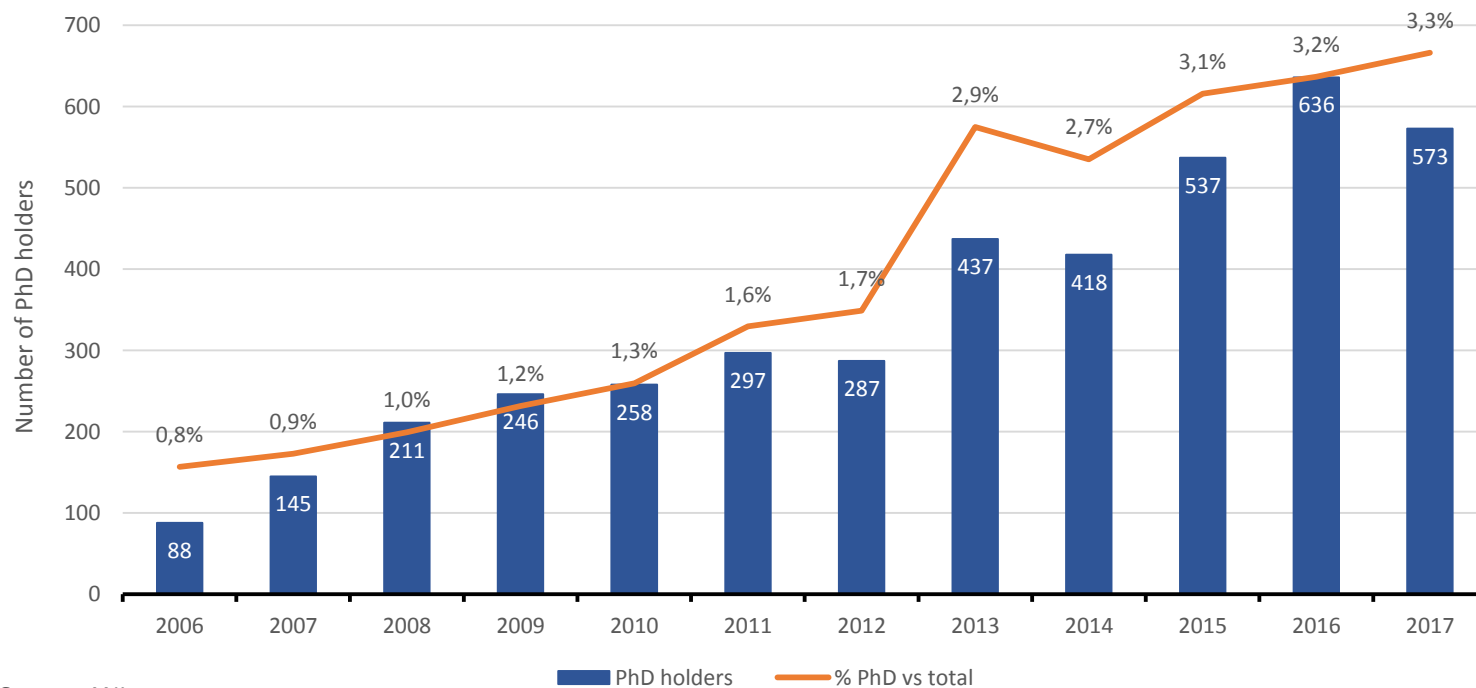
EUROPEAN INNOVATION SCOREBOARD 2018

### DESAFIOS:

- Aumentar os níveis de qualificação da população
- Mais qualificação nas empresas
- Intensificar a transferência e a disseminação do conhecimento

+ Inovação + I&D  Empresas + Qualificadas

## Employees with PhD working in R&D projects submitted to SIFIDE



Source: ANI

Note: Total number of employees, regardless of full time equivalent



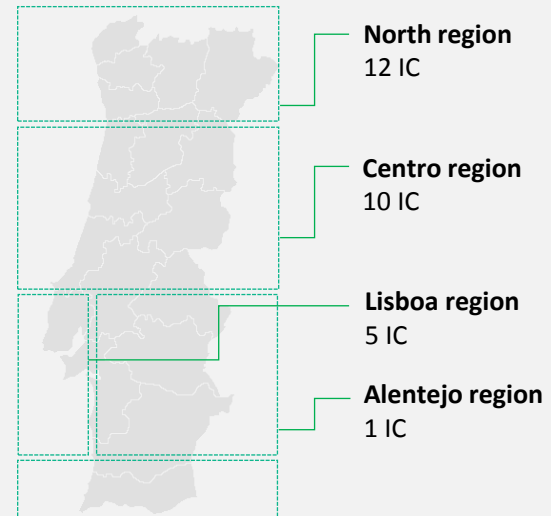
## 28 Interface Centres formally recognized in 2017

Independent R&D interface centers which facilitate knowledge circulation and promote linkages between HEIs and Companies. They provide services in the field of science, technology and innovation intermediation with the goal of increasing the capacity of knowledge dissemination and assimilation of new products by the market.

|            | 2005         | 2015          |
|------------|--------------|---------------|
| Associates | 2.900        | 3.350         |
| Clients    | 12.040       | 17.300        |
| Turnover   | €92 millions | €128 millions |
| Exports    | €29 millions | €32 millions  |
| Employees  | 1.370        | 3.800         |
| PhDs       | 260          | 965           |

- Digital Technologies: 6
- Materials and Nanotechnologies: 10
- Production Technologies: 7
- Energy and Sustainability: 12
- Biotechnologies and Life Sciences: 2
- Transports and Mobility: 1

### headquarters location





## Collaborative Laboratories (CoLabs)

Associations or consortia of research units, higher education institutions, companies, interface and technological centers, business associations and other relevant partners.

CoLabs' main goal is to create qualified and scientific employment in Portugal through the implementation of R&I agendas oriented towards the creation of economic and social value.

21 CoLabs approved.

Examples:

- ① **Atlantic** Space/ocean interactions for the Atlantic
- ② **Vines&Wines** Precision farming for Douro Region' vineyard and wine
- ③ **Green CoLAB** Green technologies and products for the ocean
- ④ **DTx** Digital Transformation in industry
- ⑤ **MORE - Mountains of Research** Mountain Farming in "Trás-os-Montes"
- ⑥ **Forest and Fire** Fire Fighting and Prevention

~800 new  
qualified jobs



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**Muito obrigado!**

