



A Career for innovation: The experience of the University – Enterprise Foundations in Spain



FUNDEUN

**Fundación Empresa
Universidad de Alicante**

Final Conference of DOCENT Project
13th October 2011
Bologna



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Patronos



Localizanos



Inicio

Modular Executive Expertise en Dirección de la Innovación (MEDI©)



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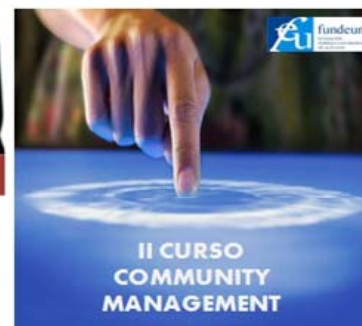
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El 13 de Octubre Nuevas "Jornadas Created"



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II Curso Superior Community Management



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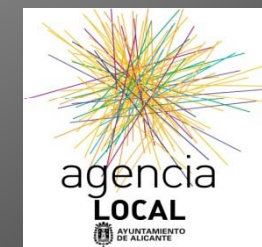
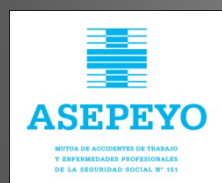
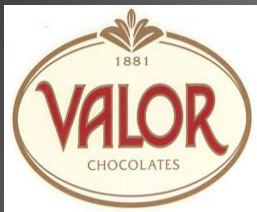
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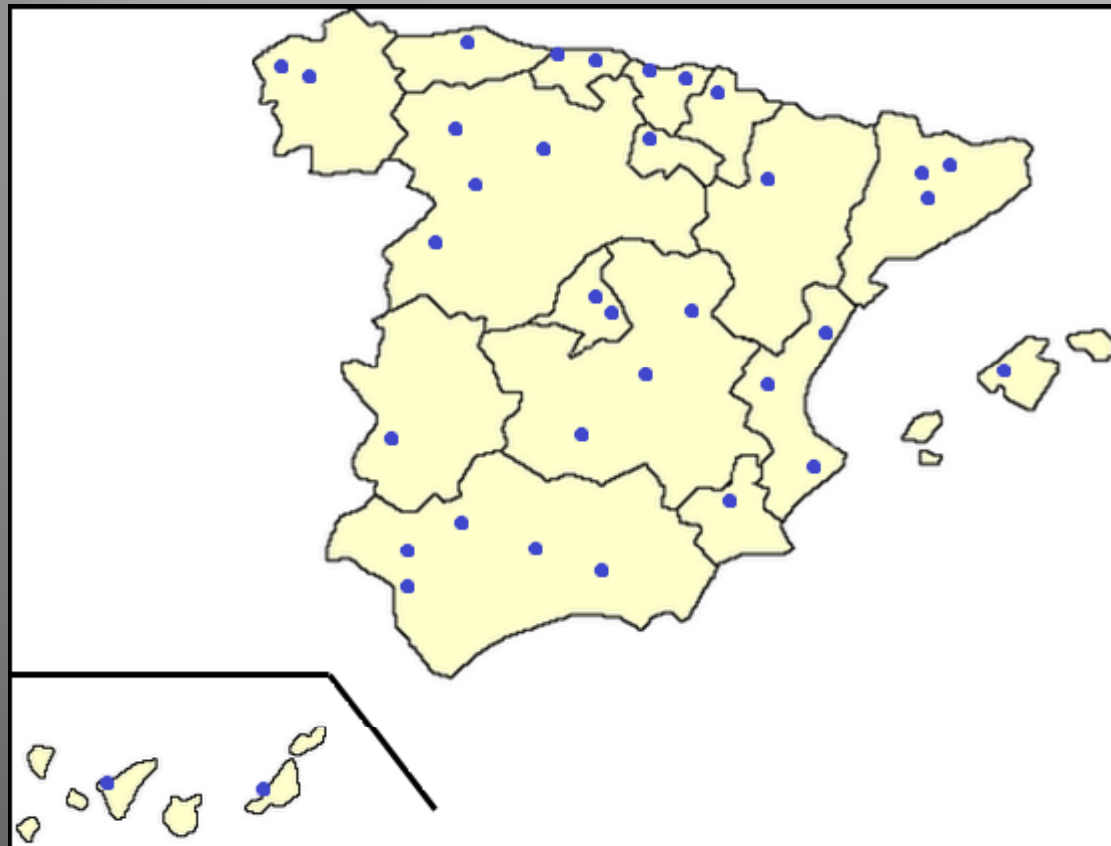
ÚLTIMAS NOTICIAS EN FUNDEUN

Emprenem

Animáte a participar en el evento más esperado por l@s emprendedor@s y empresari@s



University & Enterprise Foundations Net in Spain



University – Enterprise Foundations

- ▶ Since 1997
- ▶ In 17 regions
- ▶ 1000 Institutions
- ▶ 45 Universities
- ▶ Chambers of Commerce, Finaltials entities, entrepreneurial Asociations, **Enterprises (750)** and regional Governements
- ▶ 214.3 million euros in 2010
- ▶ 900 people involved in the activities



AREAS OF ACTIVITY

**Human
Resources**



Innovation



**Studies and
Reports**



**Long life
learning**



ACTIVITIES

- ▶ Orientation and employment
(23.258 work placements in nacional companies,
1.994 in international & 5.000 companies involved)
- ▶ Long life learning
(37.400students,1.441 enterprises)
- ▶ Innovation and technology transference and
Innovation Promotion (69.2 Million euros)
- ▶ Start up, start out, spin off & spin out enterprises
(Entreprenerial training, new ideas contest,
bussiness plan tutorials, bussiness angels capital)

FUNDEUN NEW IDEAS AWARDS JUNE 2010



FUNDS MANAGED IN 2010

- ▶ Technology Transfer
91.795.811 €
- ▶ Training and placements
58.956.117 €
- ▶ Promoting employment
9.754.747 €
- Other fields
- ▶ 53.831.832 €
- ▶ TOTAL
214.338.507 €

University & Enterprise



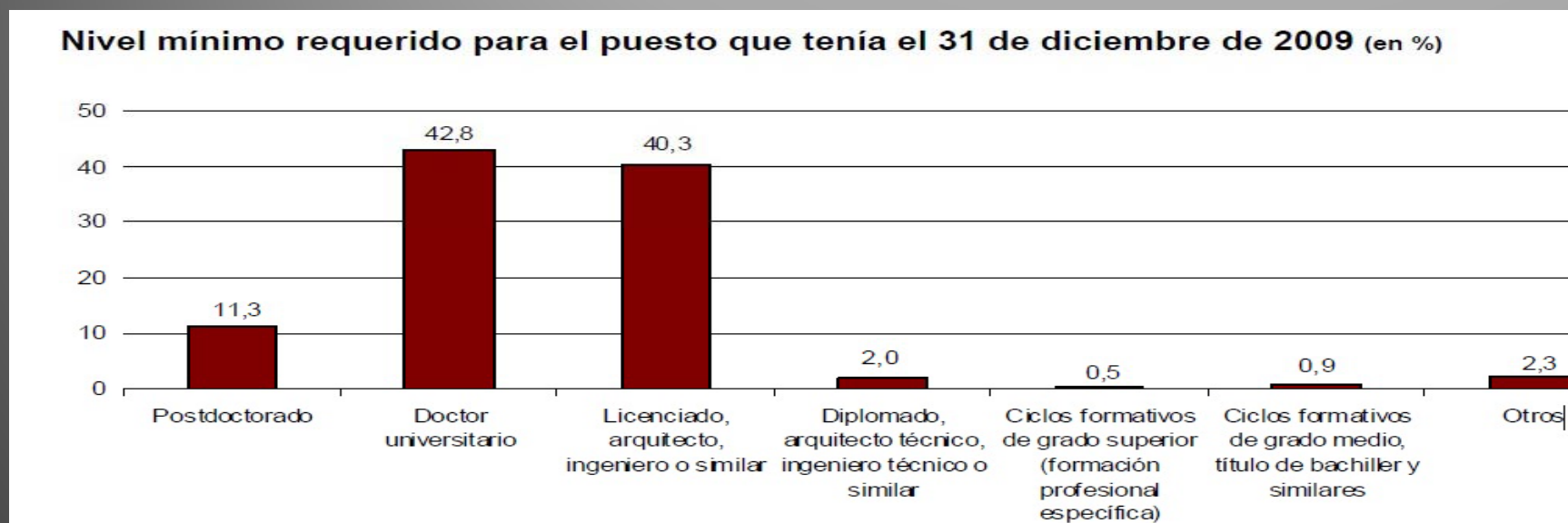
- ▶ **UNIVERSITY:** Spain produces many more doctoral graduates than there are academic positions available. This means that there is need for Universities to ensure that PhD graduates are not only trained to develop those skills needed to work in academia, but develop also those skills which they would need to work, research and generate knowledge as part of the innovation and development process within industry
- ▶ **ENTERPRISES:** The need to increase innovation in the productive system and services, and accelerate the transfer of knowledge generated by universities, is not fashion but a necessity because only with a change of the pattern production system our country will find the dynamics of sustainable development for the coming decades that do not compromise the prosperity of future generations.

Employment status of doctoral graduates

- ▶ 96.1% of PhDs were employed to December 31, 2009. By sector, 42.7% worked in higher education, 38.4% in public administration, **15.1%** in the business sector and 3.8% in private non-profit.
 - ▶ 58.6% of the PhDs were conducting research and 63.6% had a job considered to be highly related to their doctoral studies.
- ▶ Source: National Statistics Institute (31 Decembre 2009)

Minimum level required for the position

- As for the minimum level of education required for the position occupied by doctors in 42.8% of the cases was a doctorate and a bachelor's degree 40.3%.



Source: National Statistics Institute (31 Decembre 2009)

Enterprises & Human Resources

- ▶ In Spanish companies, especially SMEs, which account for 90% of total, low innovation activity appears both in reduced provision of financial resources and innovative work, as in the low participation of companies in R + D.
- ▶ Also, regarding to human capital, the main resource to address strategic changes, note that the training offered in the market (college, professional, occupational and continuing) does not include regular lessons in technological management among its programs. Consequently there are few qualified human resources in entrepreneurial functions.
- ▶ Therefore, when increasing enterprises innovation capacity, initiatives to incorporate skilled human resources in the field of innovation and management are essential

Our participation in Docent

- ▶ AIM
- ▶ 1.–Making Spanish SMEs increase the implementation of R+D to improve their competitiveness, and a change in their culture for innovation to facilitate private investment into the Spanish innovation system
- ▶ 2 .– Train and incorporate innovation managers in enterprises in order to plan and systematize the technological innovation through new organizational forms and the design of new products, processes and services
- ▶ 3 .– Create a platform that serves as a facilitating tool for career guidance and corporate management training to doctoral candidates & Phds and at the same time as job placement within companies. (TORRES QUEVEDO FUNDS).



The DOCENT Project Aims



Supporting and promoting opportunities beyond academia: The goals of the careers service

- ▶ Raise awareness of non-academic career paths for doctoral graduates, both as employment ([enterprises](#)) and self-employment. ([start up](#), [spin off](#), [spin out](#))
- ▶ Identify opportunities for doctoral candidates and graduates to gain experience, in order to develop the knowledge and skills demanded by a non-academic career. ([training module](#))
- ▶ Offer guidance on recruitment processes outside academia, and
- ▶ Promote recruitment by establishing connections between doctoral candidates and graduates and employers.

The challenge of knowledge transfer from universities to companies

- ▶ Today it is clear that the transfer of knowledge generated by universities to enterprises is a key element for the economic development of a country.
- ▶ It is therefore necessary to improve and enhance those tools to facilitate knowledge transfer from academia to business and lead to applications in different technology-based companies to bring new value-added products to market

The challenge of knowledge transfer from universities to companies

- ▶ The limited role of demand has been an imbalance in the actors, generating scientific and technical systems decompensate, with a high concentration of research capacities in universities and a limited ability in business and private sectors
- ▶ To change this trend, we should undertake the necessary steps to promote an overall culture change that promotes the formation of start-up entrepreneurs and business initiatives, as well as employability for doctoral students and technologists in companies

THANK YOU FOR YOUR INTEREST

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