

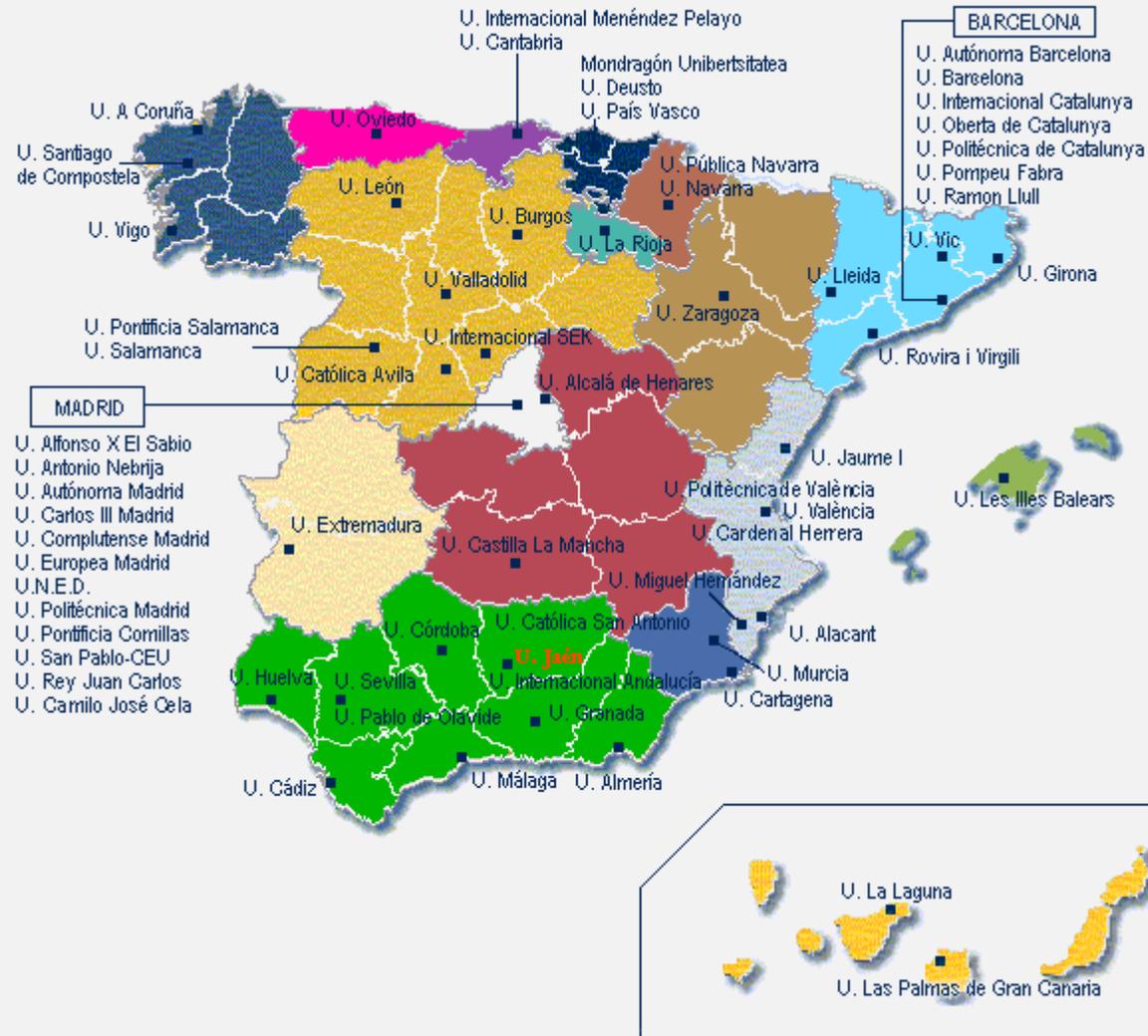


DOCTORAL EDUCATION AS A CENTRAL HUB FOR MUTUAL LEARNING AND COLLABORATION

Mar Marcos (Head of the University of Cantabria
Doctoral School)

Organising doctoral education is supported by and in turn contributes to all other facets of higher education institutions. Speakers will discuss **appropriate structures and policies to bring together and foster interaction** between doctoral candidates **from different disciplinary, cultural and social backgrounds**, share their experiences and the challenges that lie behind it.

There are 83 universities in Spain, 50 which are public and 33 are private
64 have already established a Doctoral School



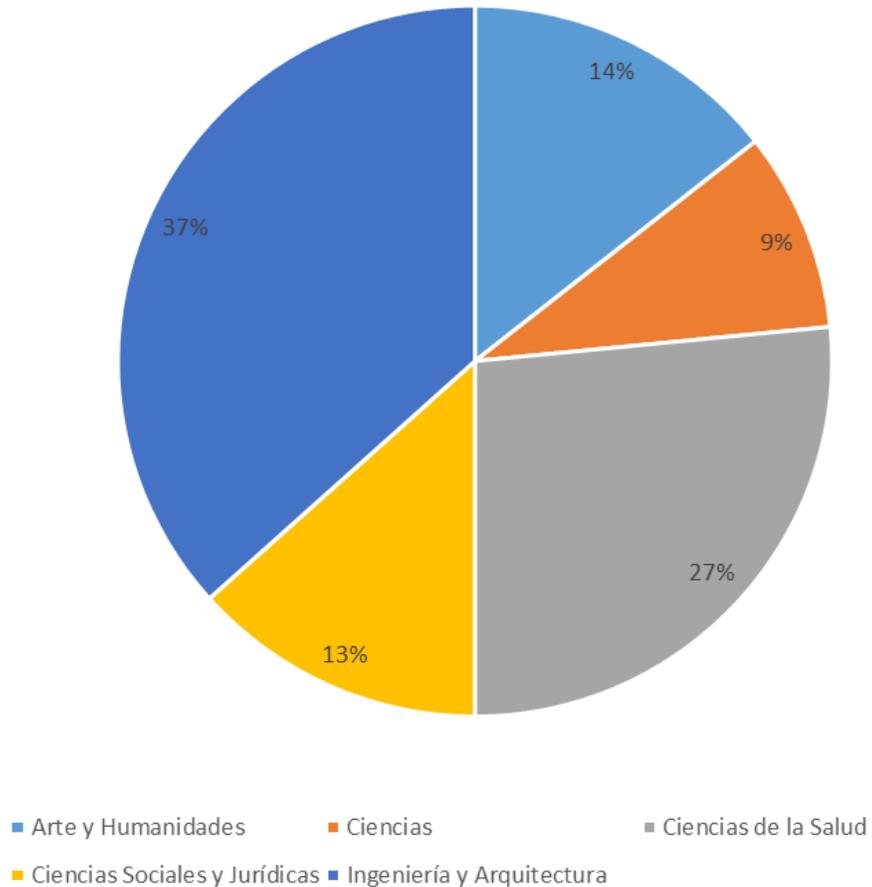
Spanish universities
 are implementing
 Doctoral Schools
 slowly BUT in a
 uniform way

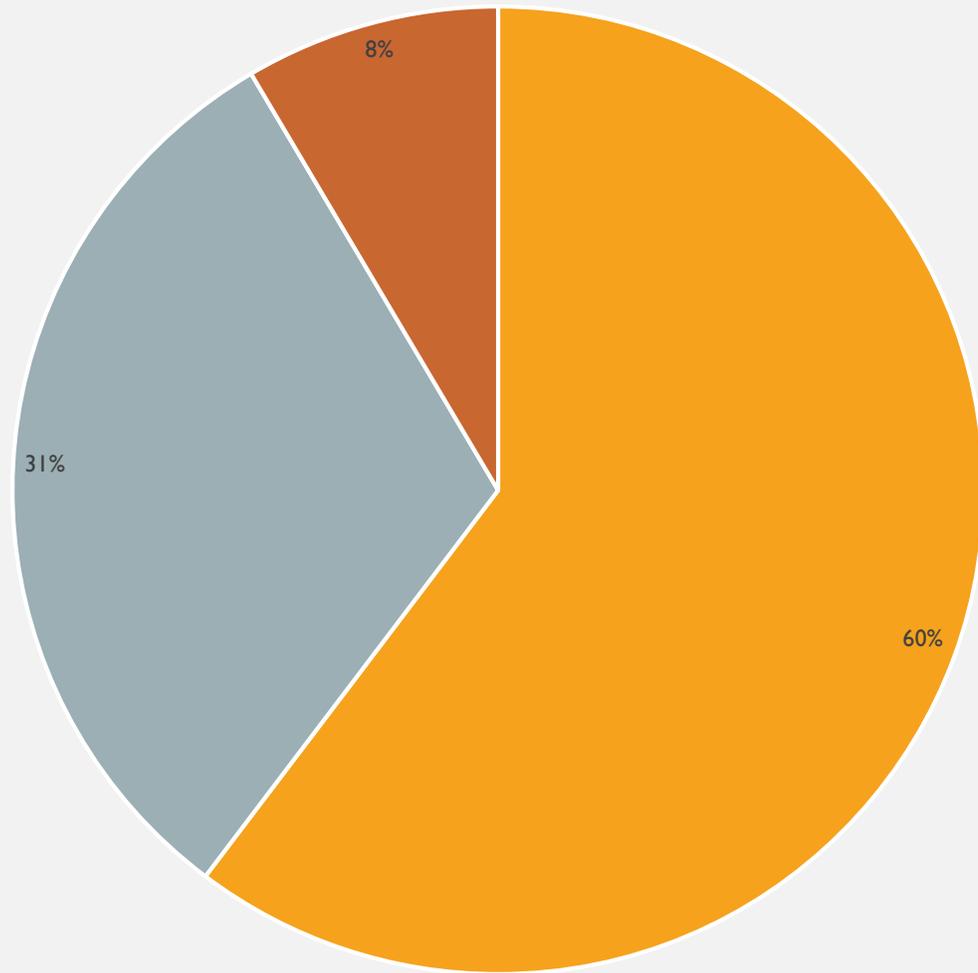
1/3 of DS in Spain are
 headed by women

Ca. 600 doctoral students

The “umbrella model” 20 Doctoral Programmes in all academic disciplines, with a predominance of Engineers

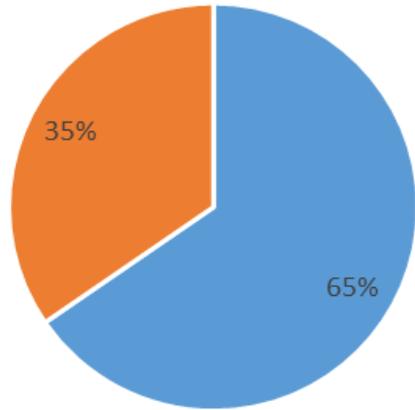
Distribución de los doctorandos por Áreas del Conocimiento





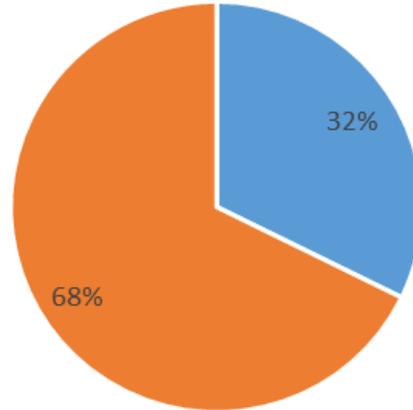
De la UC: De otras: U. Extranj.

Ingeniería y Arquitectura



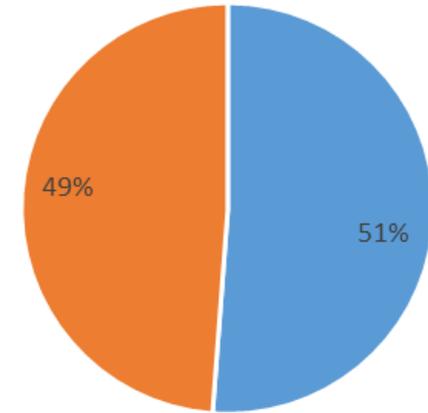
■ Hombres ■ Mujeres

Ciencias de la Salud



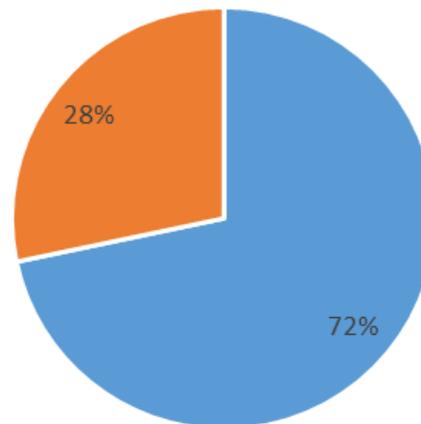
■ Hombres ■ Mujeres

Artes y Humanidades



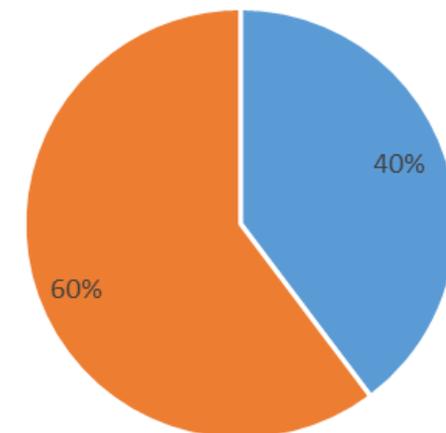
■ Hombres ■ Mujeres

Ciencias



■ Hombres ■ Mujeres

Ciencias Sociales y Jurídicas



■ Hombres ■ Mujeres

Gender Balance

A short story of structured doctoral education

- 1. Consistency:** Common standards of quality (admission procedure, duration of the thesis, courses, assessments, ...)
- 2. Conducting doctoral students from a solitary journey to a sense of community:** A common training pattern – all follow the same transferable skills courses; full support along their doctoral life.
- 3. Full integration into the university missions:** research, education, teaching, outreach.
- 4. Institutional support:** in terms of respect, autonomy and prestige.

CHALLENGES

- 1. Limited diversity:** disciplinary diversity, but not much cultural and ethnic variety
- 2. Attracting candidates from abroad**
- 3. Increasing mobility**
- 4. Further collaboration with industry**