



What is a PhD?

PhD Day Escola de Camins

Cristina Canal Barnils
Director of the Doctoral School



doctoratupc



escola.doctorat@upc.edu

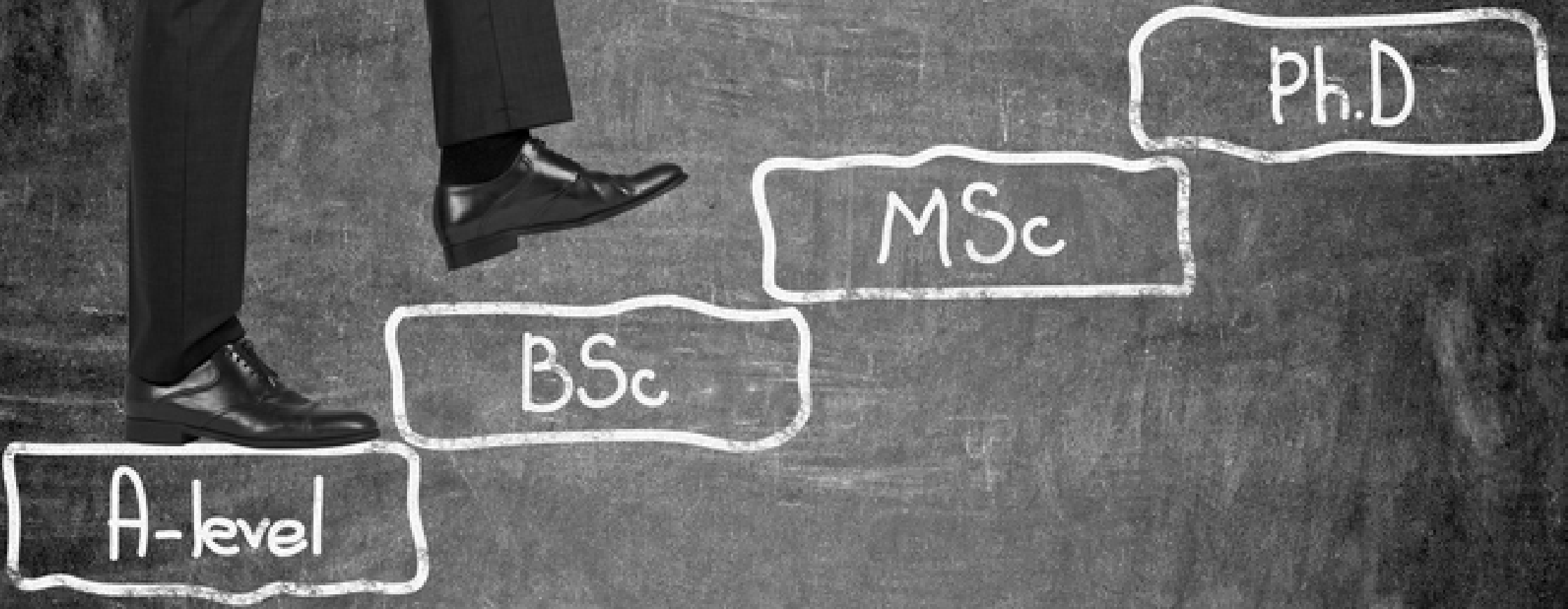


doctorat.upc.edu

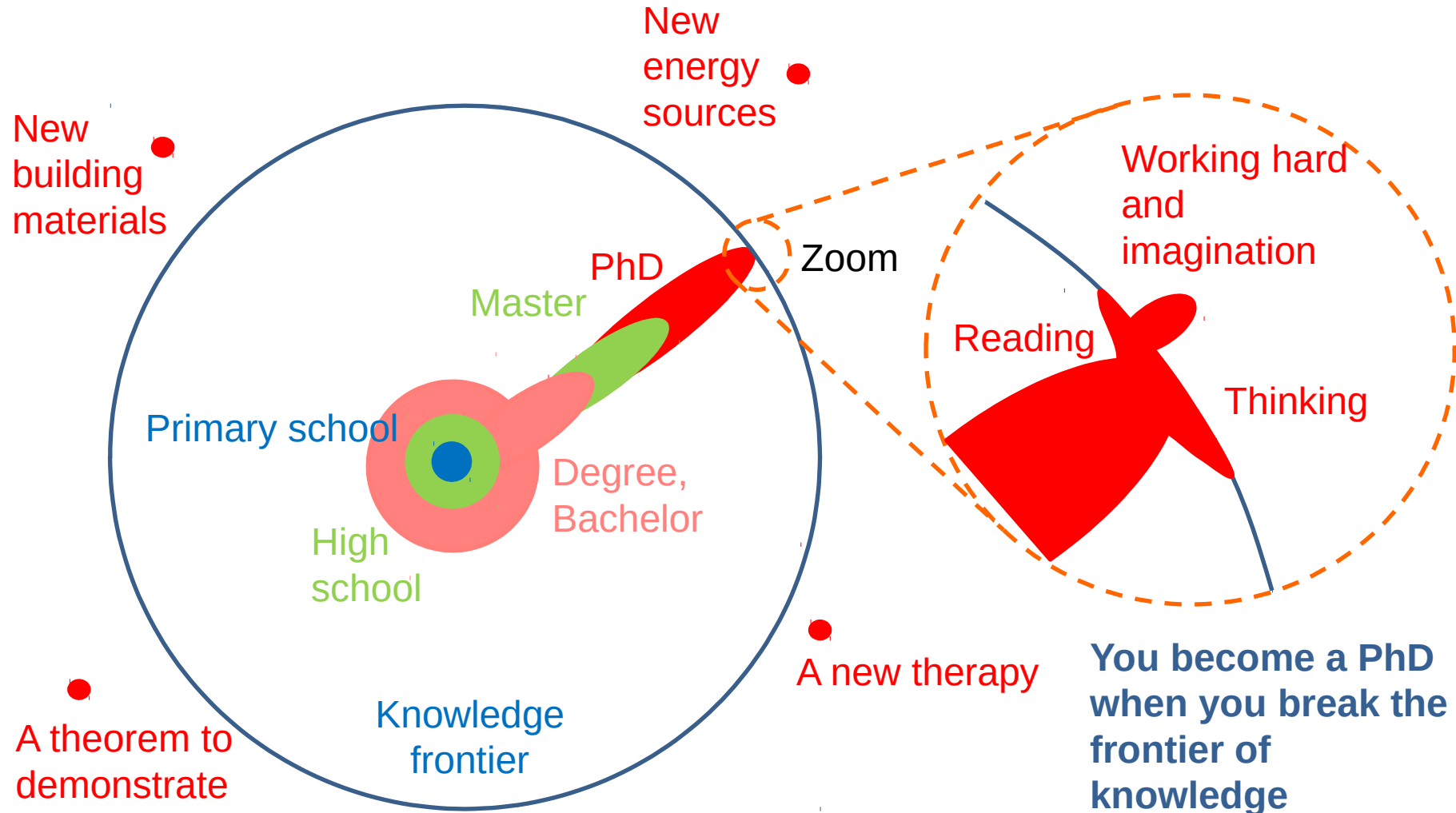


Research, innovation and talent

PhD is the highest level of academic qualification you can achieve



What does it mean to do a PhD?



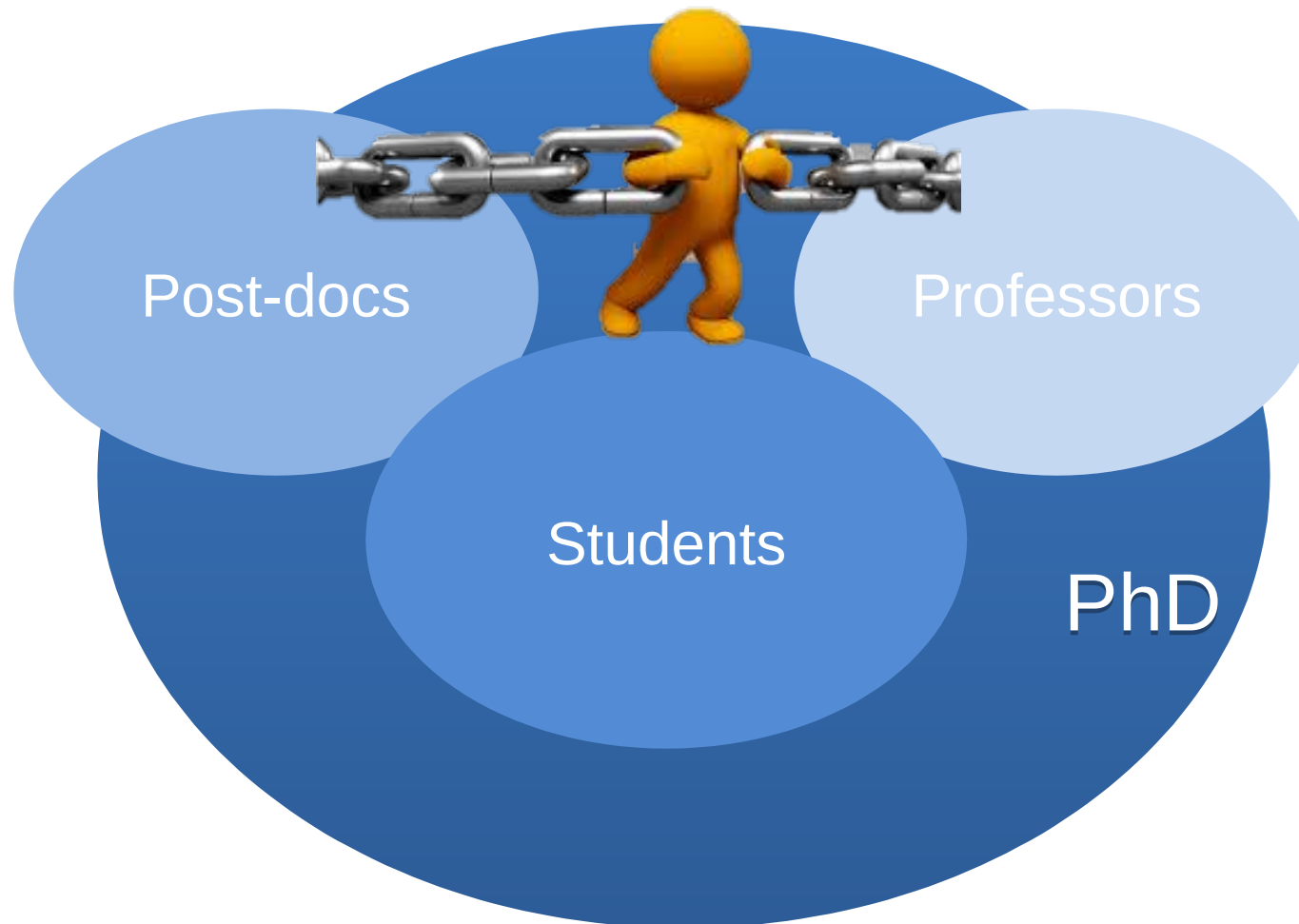
PhD student

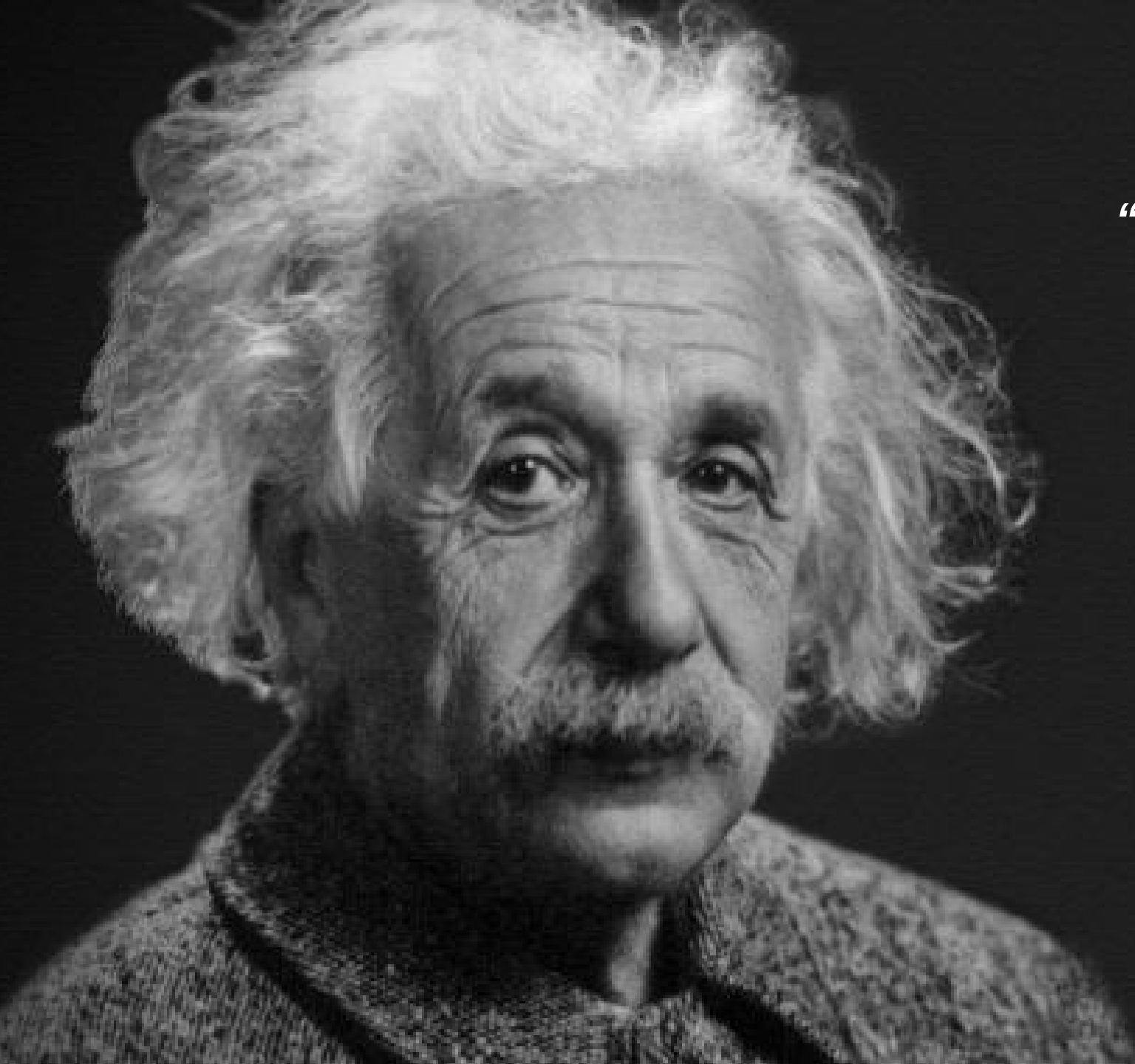


First year !!



Last year !!





“I have no special talent. I am only passionately curious.”

“We cannot solve our problems with the same thinking we used when we created them.”

“Genius is 1% talent and 99% percent hard work...”

Qualities of successful PhD students		
De fonts en tot el web	▼	
Curiosity	▼	
Critical thinking	▼	
Time management	▼	
Passion	▼	
Academic ability	▼	
Creativity and versatility	▼	
Motivation	▼	
Ability to communicate w	▼	
Communication	▼	
Ability to think	▼	
Passion for research	▼	
Academic career	▼	
Hard work	▼	
Research	▼	
		Creativity
		Perseverance
		Intelligence
		The ability to work inc
		Communicative
		Influence



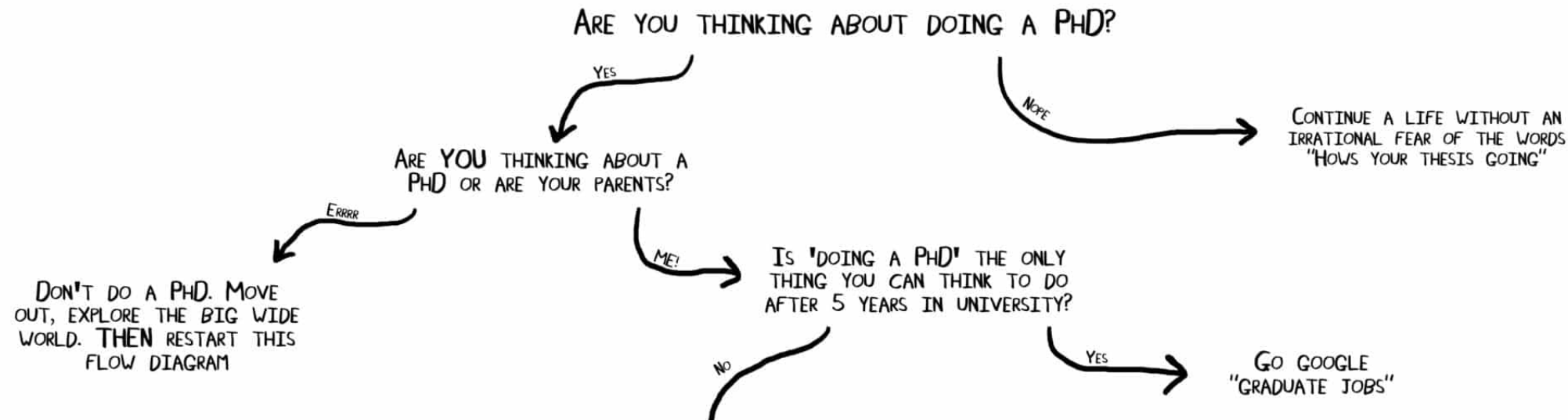
90% of perseverance, patience, endurance, effort...

10% inspiration, imagination...

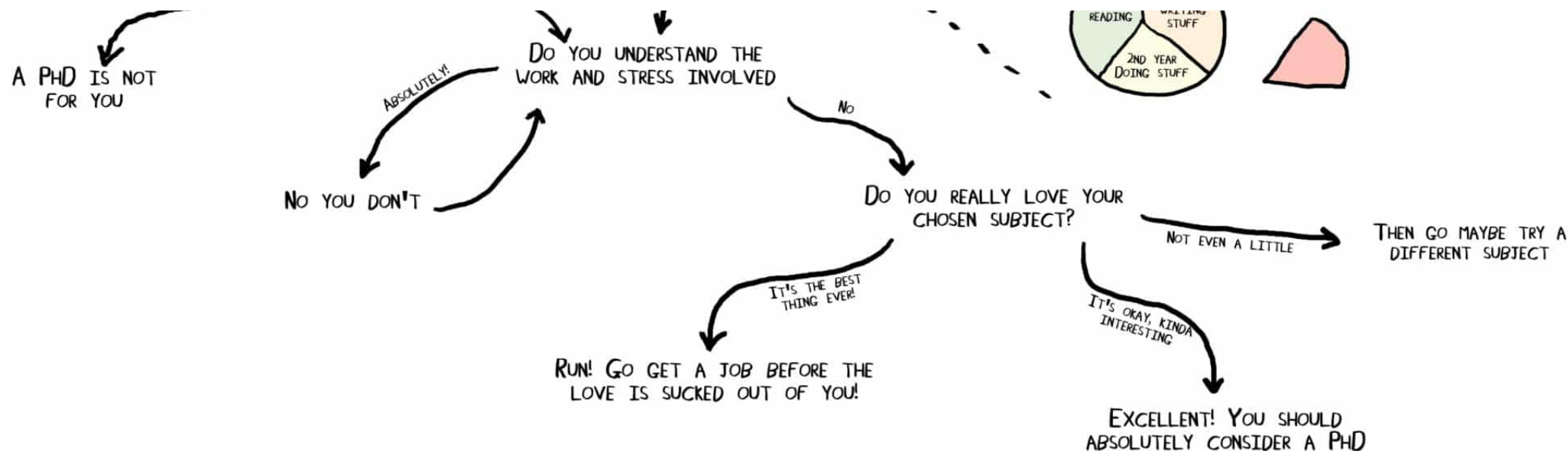
200% Enjoying the job!



Starting a PhD



OK, I want to do a PhD... now what?





5

Knowledge fields

46

Doctoral Programmes
(8 interuniversity)

2,10

Enrolled students

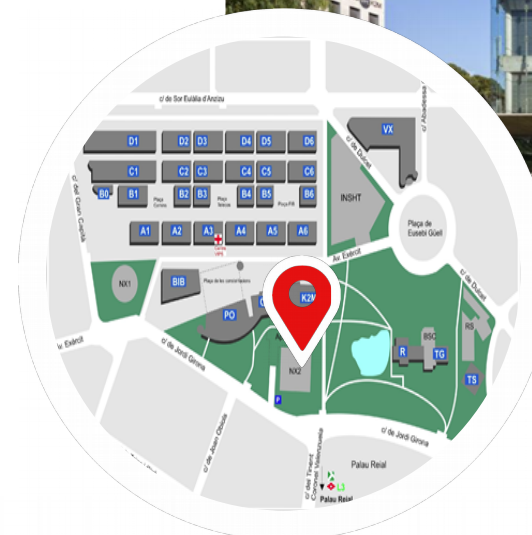
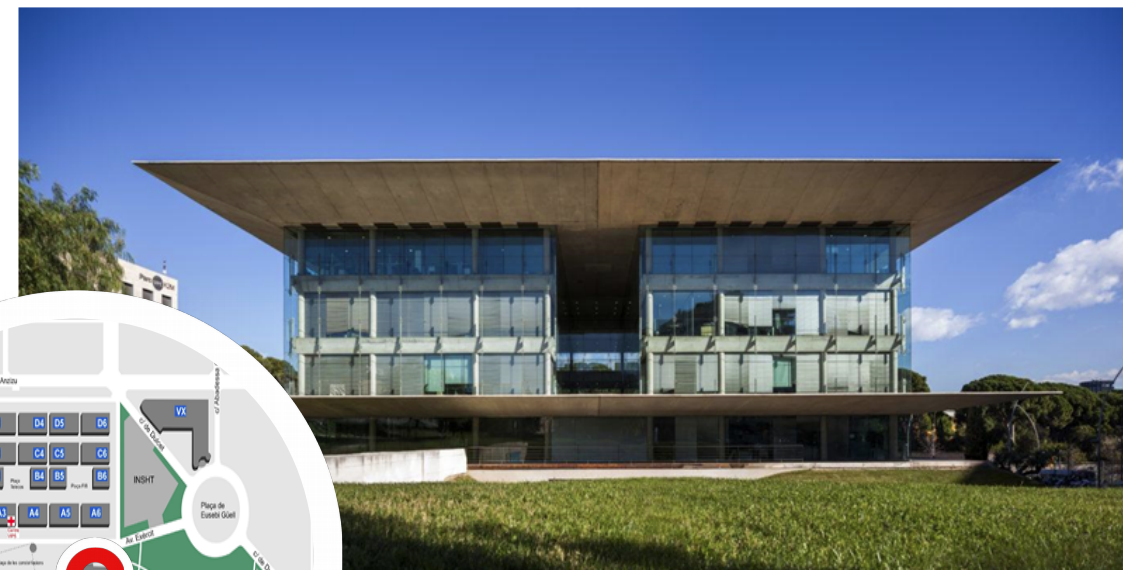
34

Defended Thesis
per year

70

Thesis with Industrial doctorate mention
and / or International mention

5



CAMPUS Nord UPC, Barcelona



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

Doctoral Programmes



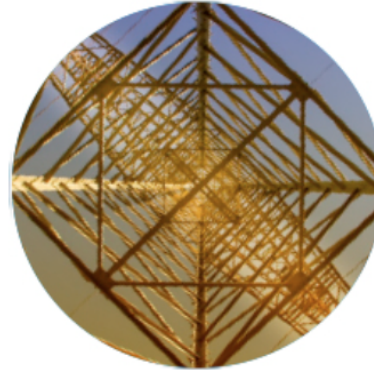
UPC
Doctoral
School



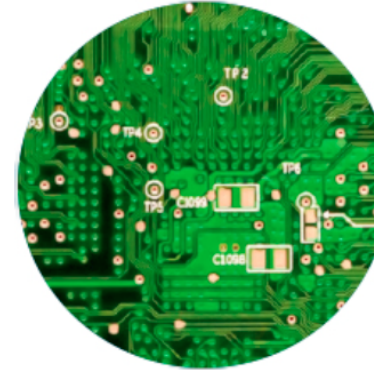
**Architecture,
Urbanism and
Construction**



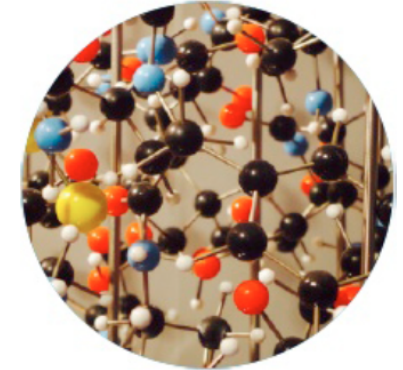
**Civil and
Environmental
Engineering**



**Industrial
Engineering**



**Information
and Comm.
Tech.
Engineering**



Sciences

<https://doctorat.upc.edu/>

Civil and Environmental Engineering

- Civil Engineering
- Construction Engineering
- Earthquake Engineering and Structural Dynamics
- Environmental Engineering
- Geotechnical Engineering
- Marine Sciences
- Nautical and Marine Engineering and Naval Radio-Electronics
- Structural Analysis
- Sustainability



1. Choose your research area.
2. Contact prospective supervisors.
↓
They can suggest a PhD programme.
3. Check entry requirements.
4. Check potential funding options.
5. Prepare to apply+submit your application.

Full time PhD duration: 4+1 years

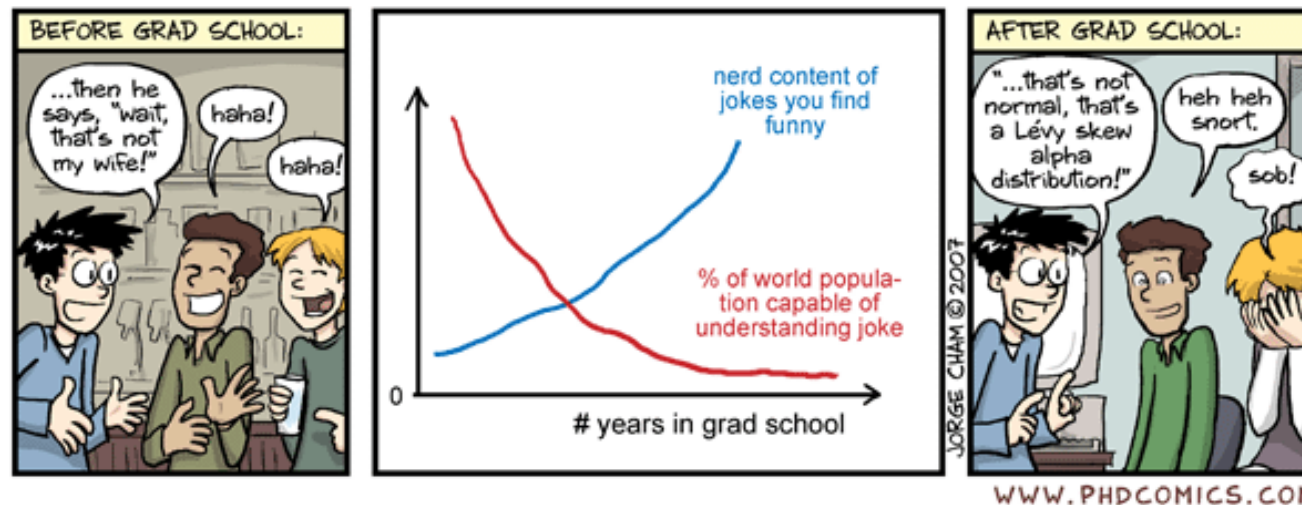
1st year 2nd year 3rd year 4th year 5th year

Part time PhD duration: 7+1 years

Not possible with a grant

1st year 2nd year 3rd year 4th year 5th year 6th year 7th year 8th year

YOUR SHRINKING SENSE OF HUMOR FROM CHEEKY TO GEEKY IN JUST SEVEN YEARS



- Academic offer
- Internationalization (Unite!)
- Transfer to society, entrepreneurship
- Socialization, integration, well-being
- Promotion of studies
- Dissemination of research
- ED brand and communication
- Quality policy
- Transversal training courses



Life after PhD

NEXT EXIT



**Exercise your
passion for research**

+

**Make an original
contribution to your subject**



Writing &
publishing
scientific
papers

Teamwork



Independent
thinking

Ability to
generate new
knowledge



Time
management

Independent
and self-
directed
work



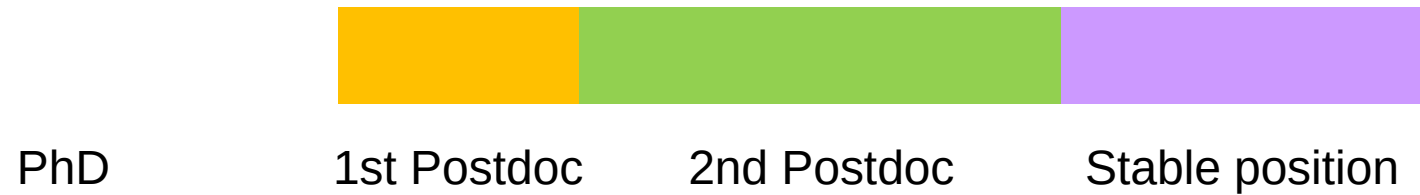
Networking

Teaching

Presentation
skills

**Unique in the
job market!!**

■ Typical path



Position in:



46% Companies

■ R+D+i

■ Management positions



34% Universities



20% Research Institutes





***“Education is the most powerful weapon
which you can use to change the world.”***

Nelson Mandela



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



UPC
Doctoral
School



UPC
Doctoral
School



doctoratupc



escola.doctorat@upc.edu



doctorat.upc.edu