

# **Researchers without borders - Recruitment process in industry**

Paris, 11th December 2017

**RTDI**



**4. TESTIMONIALS**

**3. CONCLUSIONS**

**2. PERSPECTIVES**

**1. THE PROCESS**

## INTERVIEWS TO COMPANIES (16)

**All of them where innovative companies with active R&I projects:**

45% high-tech enterprises +  
30% technology-based +  
20% sectorial knowledge-based +  
1 social Enterprise

Average level of hiring of PhDs (total PhDs / total personnel) = 29%

Only 1 did not hire any PhD or was already in the process of doing it

60% with very strong social focus

88% SMEs, of which  
70% where start-ups

12% where large companies

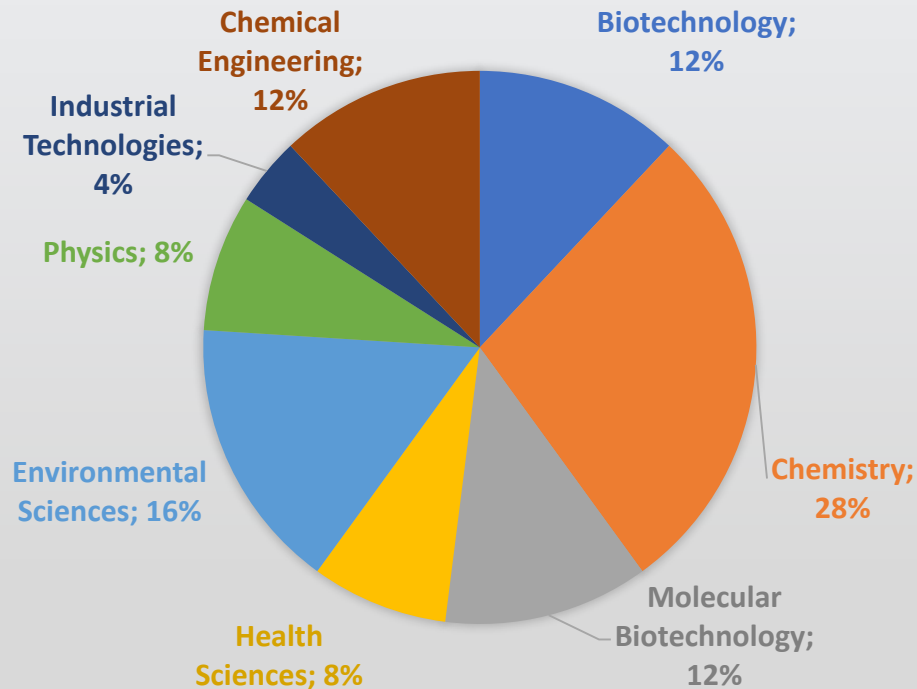
## INTERVIEWS TO PhDs

**From RTDI Innovation School**

27 students in 2017

**74% are PhDs**

(100% scientists/technologists)



## INTERVIEW BY EURAXIND

111 responses

Equal share of small, medium & large organizations

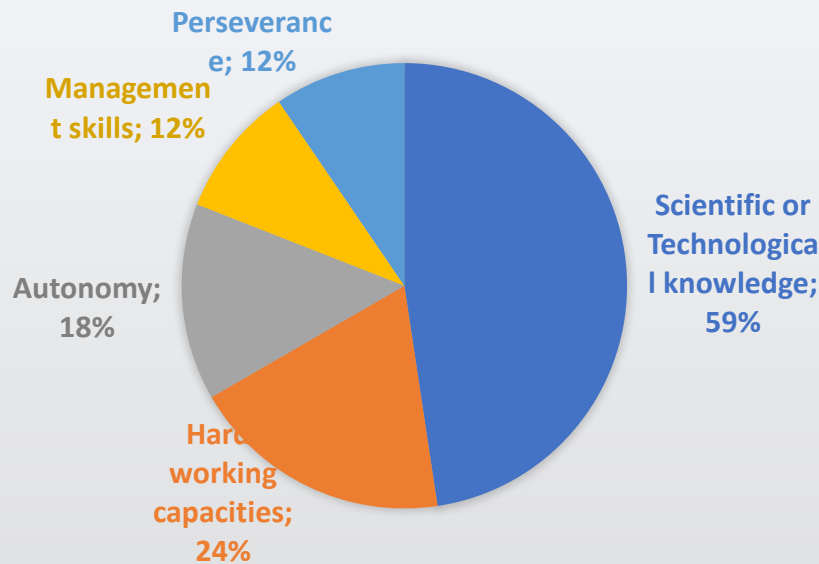
14 countries (25% Austria, 10% Spain, 10% Netherlands)

Different profiles:

- HR specialists
- Recruitment consultants
- Line managers
- Managing director /Owner
- Other

# 1. THE PROCESS

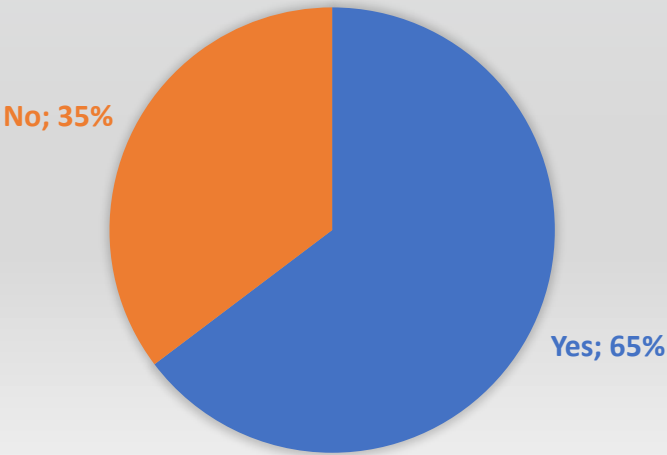
VALUE SEEKED WHEN HIRING PhDs



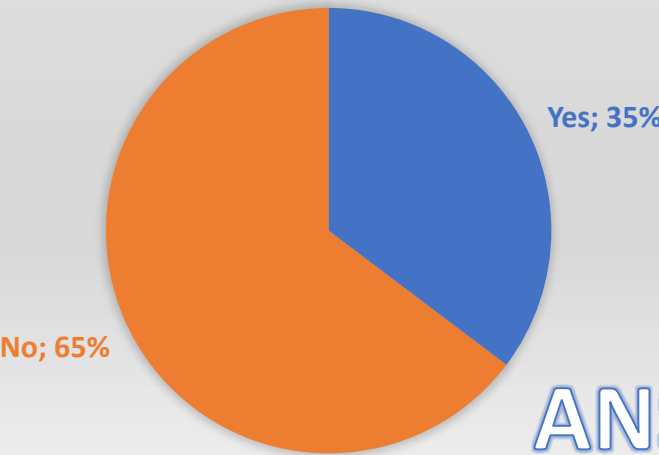
HIRING PhDs IN COOPERATION WITH AN R&D INSTITUTION



PLANNING TO INCREASE THE TEAM



WILL HOLDING A PhD BE A REQUIREMENT?

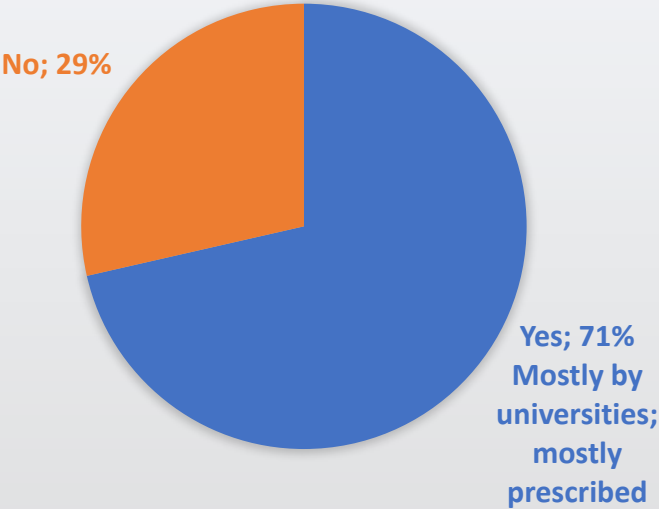


ANSWERS BY INDUSTRY

ARE THERE PhD STUDENTS IN YOUR TEAM?



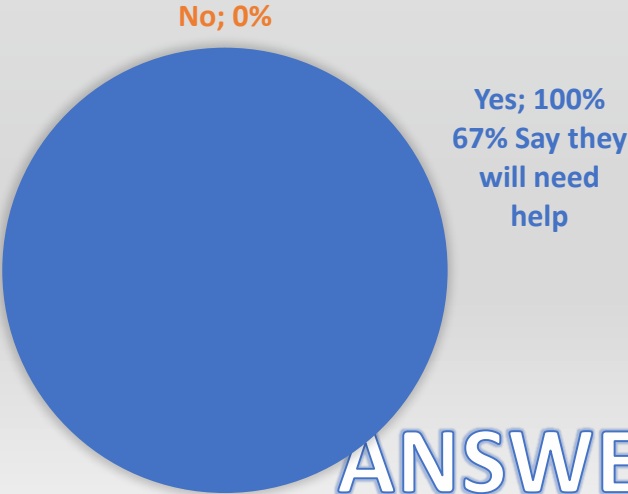
DO YOU GET ANY SUPPORT IN PROMOTING /MANAGING THIS INTERNALLY?



DO YOU KNOW WHAT AN INDUSTRIAL PhD IS?

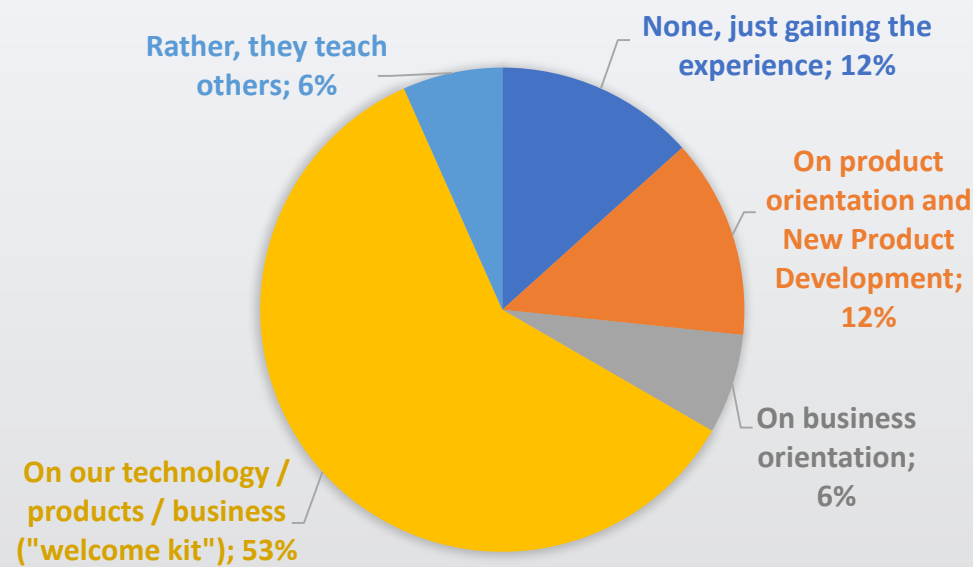


ARE YOU INTERESTED IN IT?



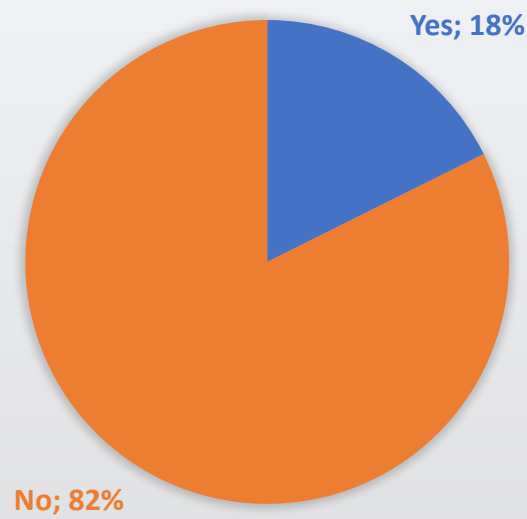
ANSWERS BY INDUSTRY

TRAINING OFFERED TO PhD EMPLOYEES?



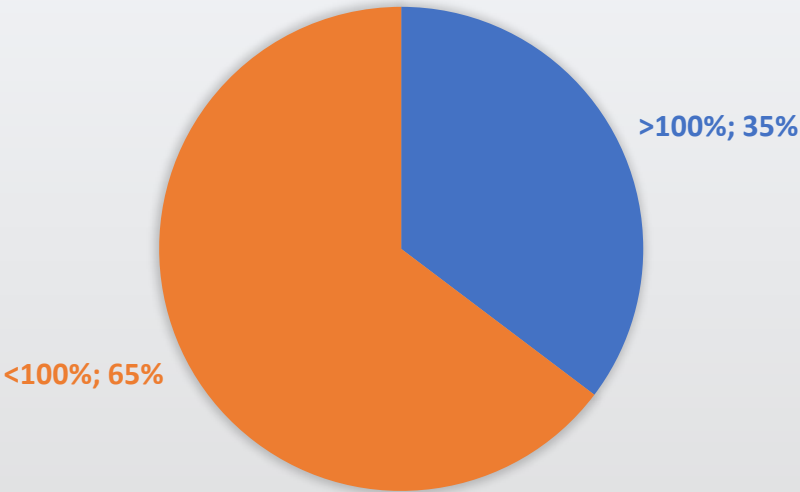
IT HAS TO BE PRACTICAL!

IS IT DIFFERENT FROM OTHER EMPLOYEES?



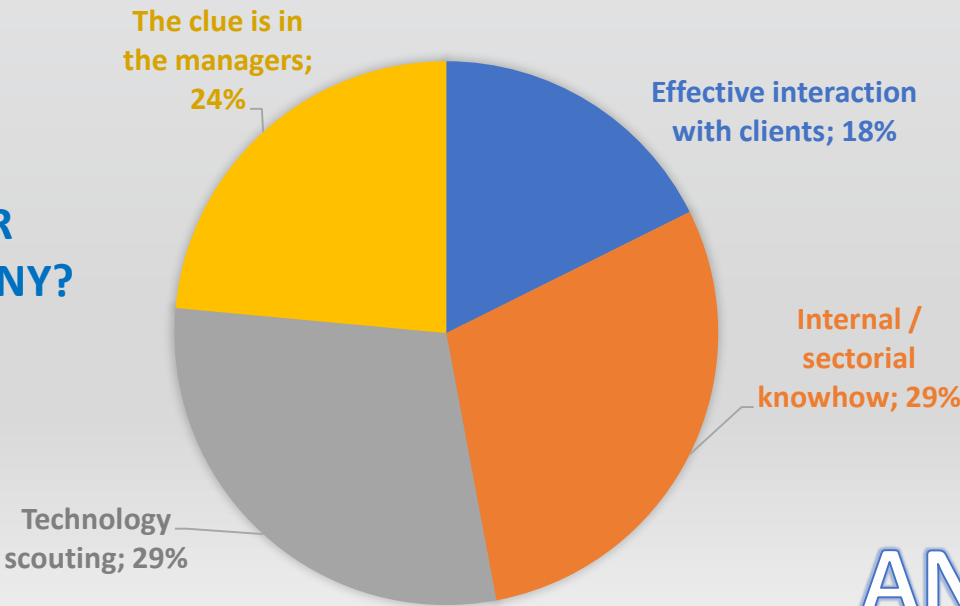
ANSWERS BY INDUSTRY

WHAT IS YOUR EXPECTED GROWTH RATE FOR THE COMING 5 YEARS?

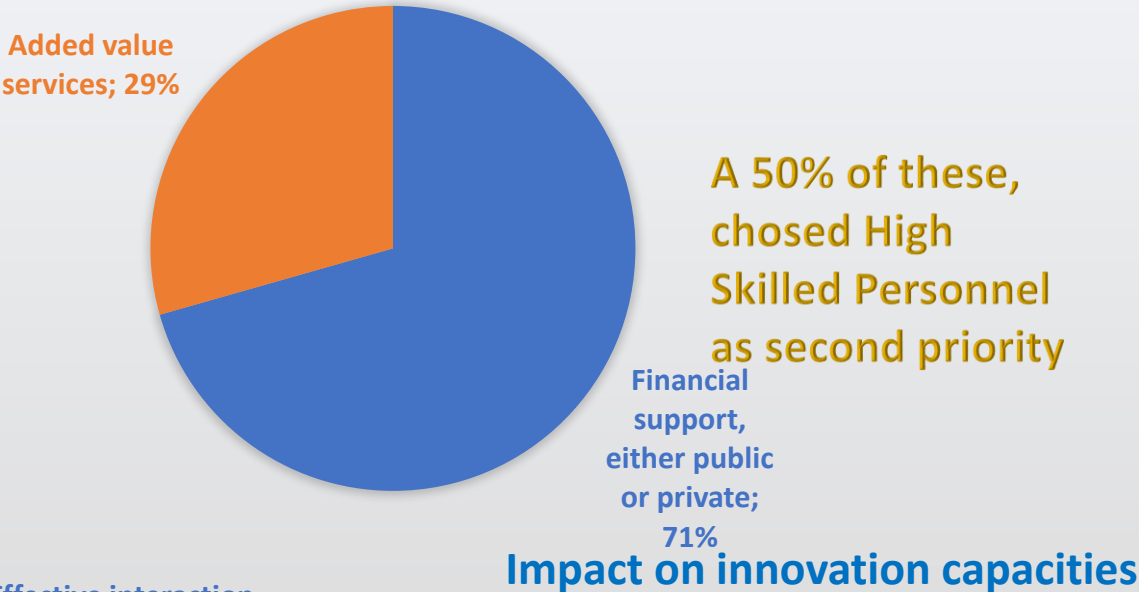


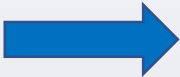
A 70% of interviewed companies rank themselves >5 in a 1-6 disruptivity scale

WHAT IS THE MAIN DRIVER FOR DISRUPTIVITY IN YOUR COMPANY?

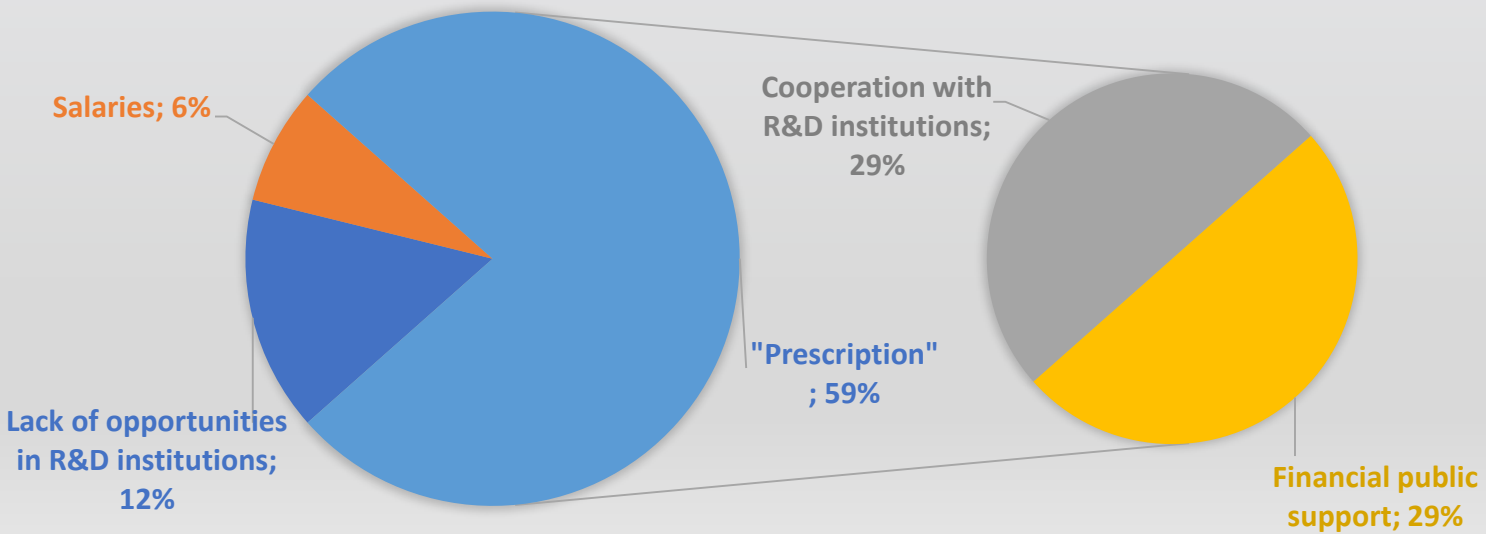
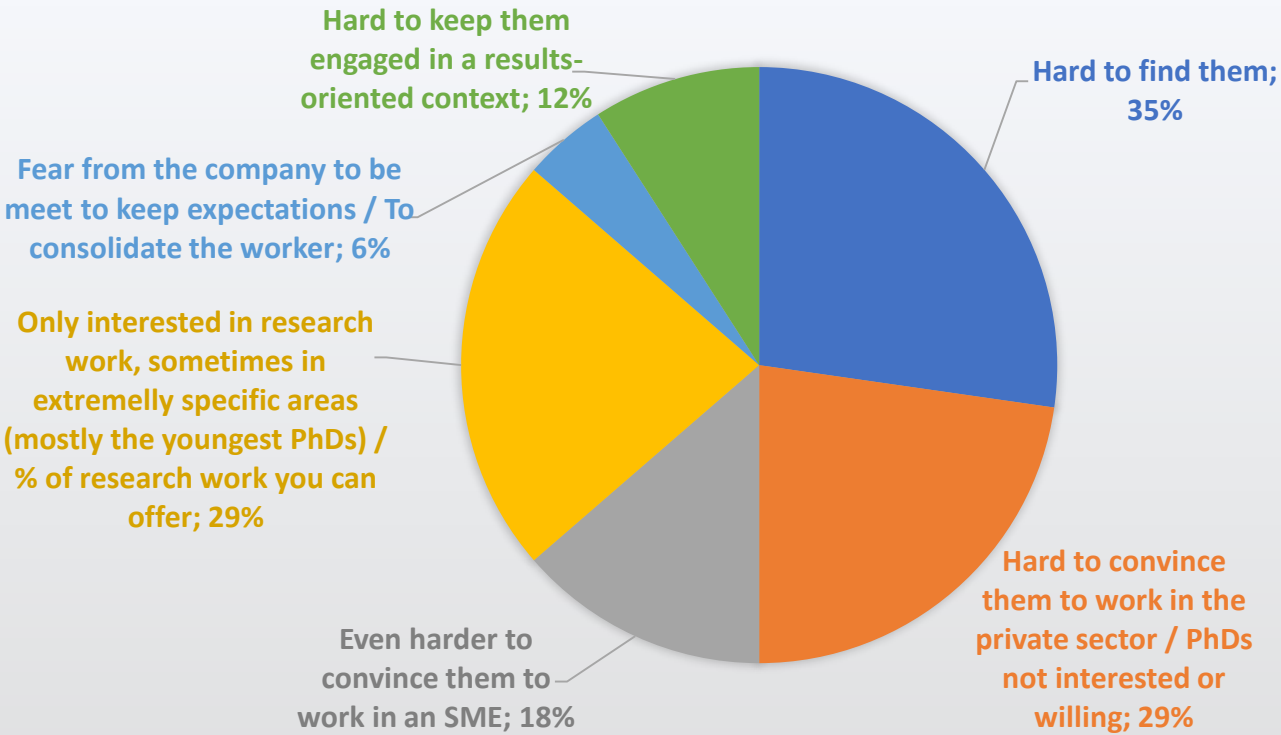


WHAT ARE THE PRIORITIES TO GAIN THIS?

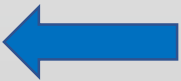




MAIN BARRIERS



MAIN DRIVERS



ANSWERS BY INDUSTRY



In the long term, **78% want an academic career**

57% would consider working outside academia – of these...:

- 70% would still want to do research
- 37% in research/grant management
- 35% in research/science policy

70% would be interested in short-term work outside academia +

48% would like internship/placement in business +

52% to do joint research +

59% valorisation of research knowledge

65% think it would be hard to get a non-research job in business: <30% think businesses value what researchers offer working in non-research roles

### **What would help more interactions with business?**

- more knowledge of opportunities (>60%)
- greater recognition of value to an academic career (45%)
- more training in skills valued outside academia (43%)
- better understanding of those skills (41%)

### **Barriers preventing interactions:**

- 45% uncertain impact on career (& reduction in research outputs)
- - 35% lack of experience/skills valued by business
- - 26% lack of confidence

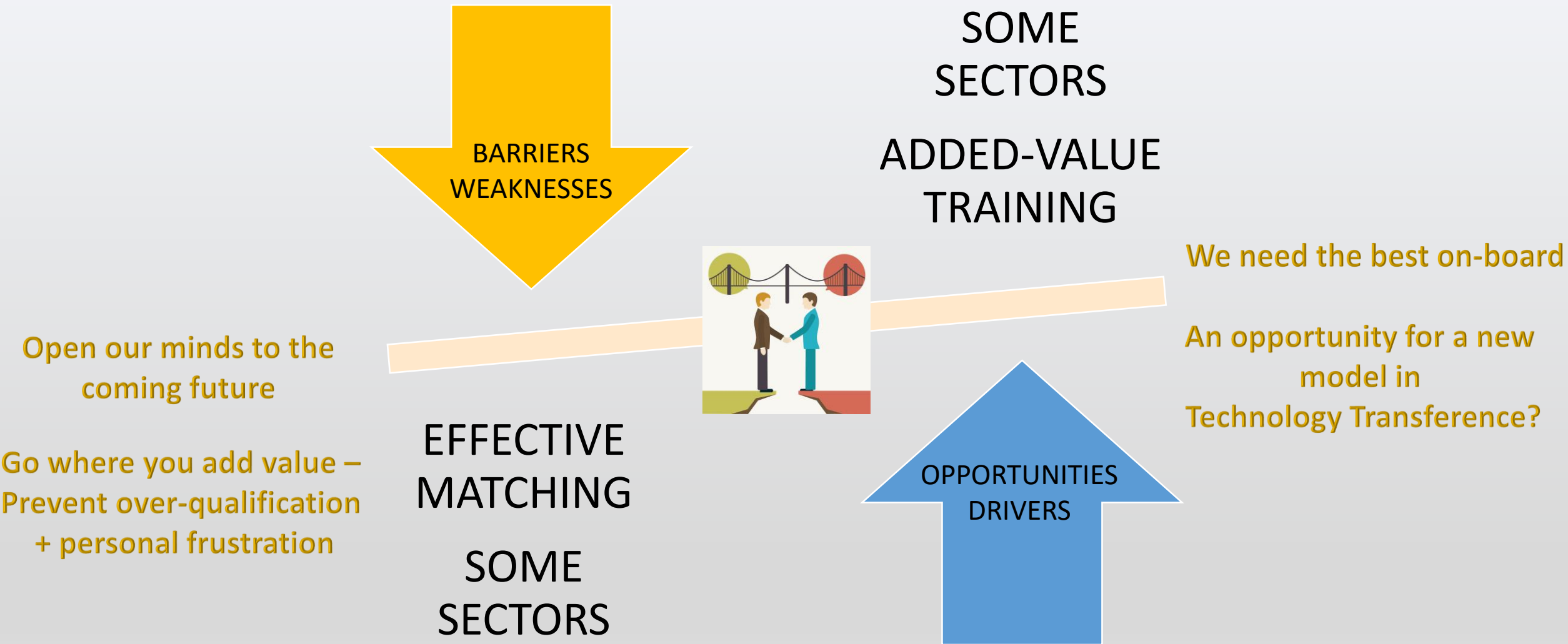




## 2. PERSPECTIVES

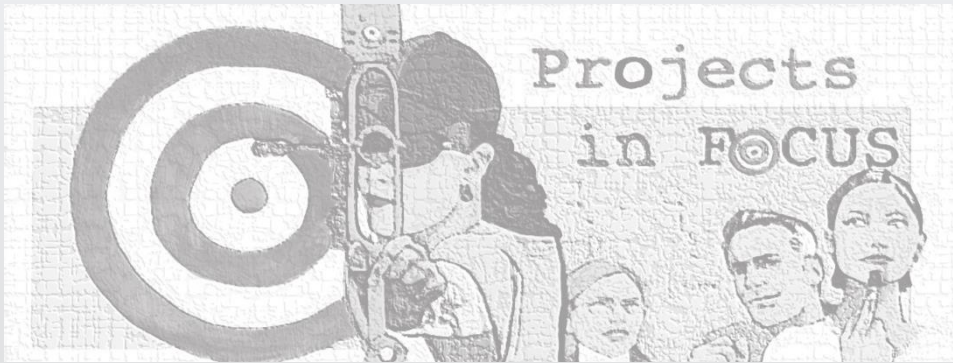
## Employer Survey – barriers to engagement

- 47%: Lack of compatibility of researchers in working environment
- 30%: Not enough opportunities to meet researchers
- 27%: Low awareness of researchers as potential employees
- 16%: Researchers lack experience in writing CV, writing applications and/or interview skills
- 11%: Lack of understanding on qualities of researchers



RTDI offers integral services in R&I Project management through 2 channels: **Consultancy** focused in corporations and institutions seeking expert advice and support in making their R&I ideas come true. And **Training**, for corporations, institutions and professionals interested in gaining specialized skills in relation to R&I integral management (from concept to exploitation).

## Consultancy services



From 2008, RTDI helps its clients develop new Products/Services/Processes with strong competitive advantages based on technological innovation, mainly disruptive SMEs. From the idea seed, we generate a strong Project concept, seek for financial support and strategic alliances and accompany our clients along the complete Project lifecycle.

We also give advice in designing new business models, the commercial strategy around the results and financial forecasts to companies engaged in an innovation process.

## Training



In 2014 RTDI became the 1st Spanish Company in launching a skill-building programme focused in the integral design and development of R&I projects, building on the expertise of our consultants and professors, with the objective of transferring our knowhow, methodologies and tools to the markets.

Our aim is to make innovation more dynamic and effective, and prepare professionals with a strong S&T background for becoming R&I managers competitive at international level.

# ADDED VALUE TRAINING



- ✓ High-level S&T education
- ✓ Language skills (English)
- ✓ Research experience (PhD)

- ✓ Work organization
- ✓ Analysis skills and problema solving
- ✓ Team management, written communication

## PhDs

Work-based learning with practitioners

- ✓ Knowledge & Experience in processes for the development of new technology-based **PRODUCTS**
- ✓ Methods & Tools for **results-oriented** management and planning
- ✓ R&I funding opportunities
- ✓ Innovation integral marketing: **Taking Technological Innovation to societies and markets**

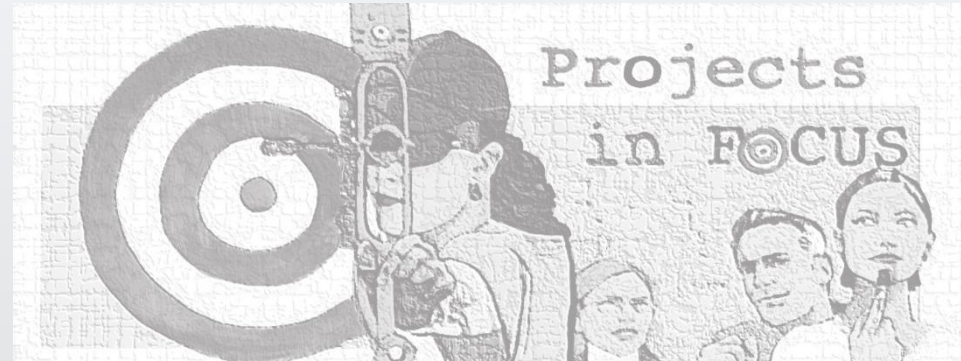
- ✓ Creativity
- ✓ Proactivity
- ✓ Perseverance
- ✓ Adaptability
- ✓ PASSION

ADDED VALUE TRAINING

## Consultancy services

- 10 Years giving service
- 13 Professionals
- 100+ Clients
- 80+ Designed projects
- €180M financial support achieved for our clients
- Advanced proprietary toolkit for integral R&I management [www.innowizard.eu](http://www.innowizard.eu)

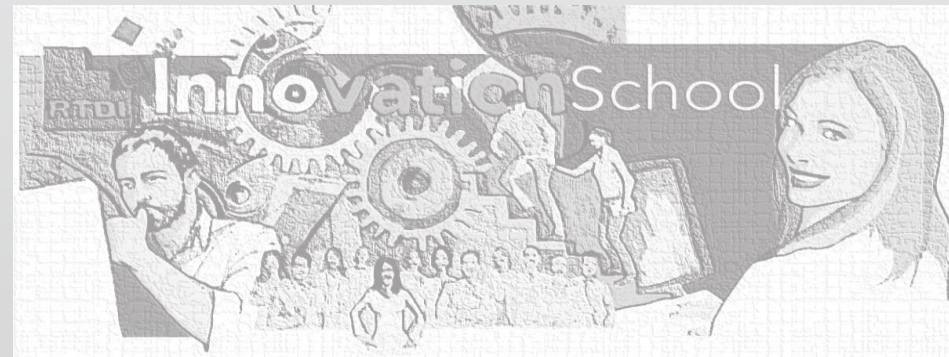
Practitioning



## Training

- 3 Years helping skilled professionals
- Disruptive pedagogical instruments
- 12 Mentors and professors
- 60+ Students (75% PhDs)
- 50+ Real projects built
- 94% employment rate

Training



ADDED VALUE TRAINING

## Employer Survey – future tools supporting recruitment

### MOST IMPORTANT

1. Network between organization and university

### IMPORTANT

1. CV database
2. Information about skills of researchers
3. Information on local research talent
4. On-line researcher communities or networks

### NOT IMPORTANT

1. Career events
2. Alumni networks
3. Meet & greet sessions
4. Newsletters (recruitment, events, etc.)
5. Special recruitment



**RTDI**

**Insulclock**

<https://insulclock.com/>

**mb marsi-bionics**

<http://www.marsibionics.com/>

**Linknovate**  
[www.linknovate.com](http://www.linknovate.com)



[www.appentra.com](http://www.appentra.com)

**“Hiring PhD is a great opportunity to reinforce technological-vision of a company, and be able to implement it, as long as the commercial strength of the company is clear”**

**Biomedica**  
molecular medicine

<http://biomedicamm.com>

**ARA TECH**  
lifestyle technology

[www.ara-tech.es](http://www.ara-tech.es)



[www.savanamed.com](http://www.savanamed.com)

**“The added value PhDs can bring to innovative / high-tech SMEs has just started. It is important to find the mechanisms to motivate them; and universities could consider this as a new way of tranfering technology (via PhDs hiring)”**



<https://neurofixpharma.com/>

**“Our capacity to solve problems is what distinguishes a leader from the rest”**

**“For PhDs taking the risk is worth it  
- Dare to jump!”**



<http://www.itcsal.com/>

**“There is not a legal market that really rewards the hiring of PhD by private corporations, nor to the company not to the PhD. For them a career at a university is better (in terms of safety, income...)”**

**"TO PhDs: We are looking for you"**

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**4. TESTIMONIALS**