



UNIVERSIDAD
DE GRANADA

ESCUELA INTERNACIONAL DE POSGRADO



Industrial Doctorates

University of Granada

**INTERNATIONAL SCHOOL FOR POSTGRADUATE
STUDIES
OFFICE FOR RESEARCH TRANSFER**

Industrial doctorates

Antecedents:

- CIFRE (ANRT), France. More than 32 years since first “ID”
- Industrial PhD Programme, Dinamarca. Inicio 1971.
- European Industrial Doctorates (ITN) European comisión
- Catalan ID programmes

In Europe:

- **65% of the doctors work in public sector and 35% in private companies and organizations.**



International school for postgraduate studies

Framework to implement global European strategies

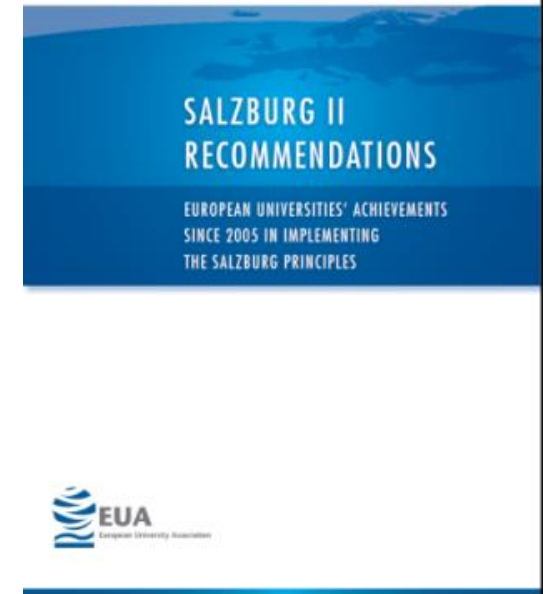
- Adapt to needs of the society:
 - ✓ High level specialised people
 - ✓ Experts with highly qualified knowledge
 - ✓ High qualities to innovate and **transfer knowledge to society**.

- Continuity between masters and doctoral programs
 - ✓ Systemic knowledge of field
 - But also
 - ✓ **Abilities to transfer to society**
 - Professional skills
 - Digital competence
 - Communication skills
 - Innovation



Knowledge Transfer

The university and the research systems should be the engine of economic growth increasing productivity and employment



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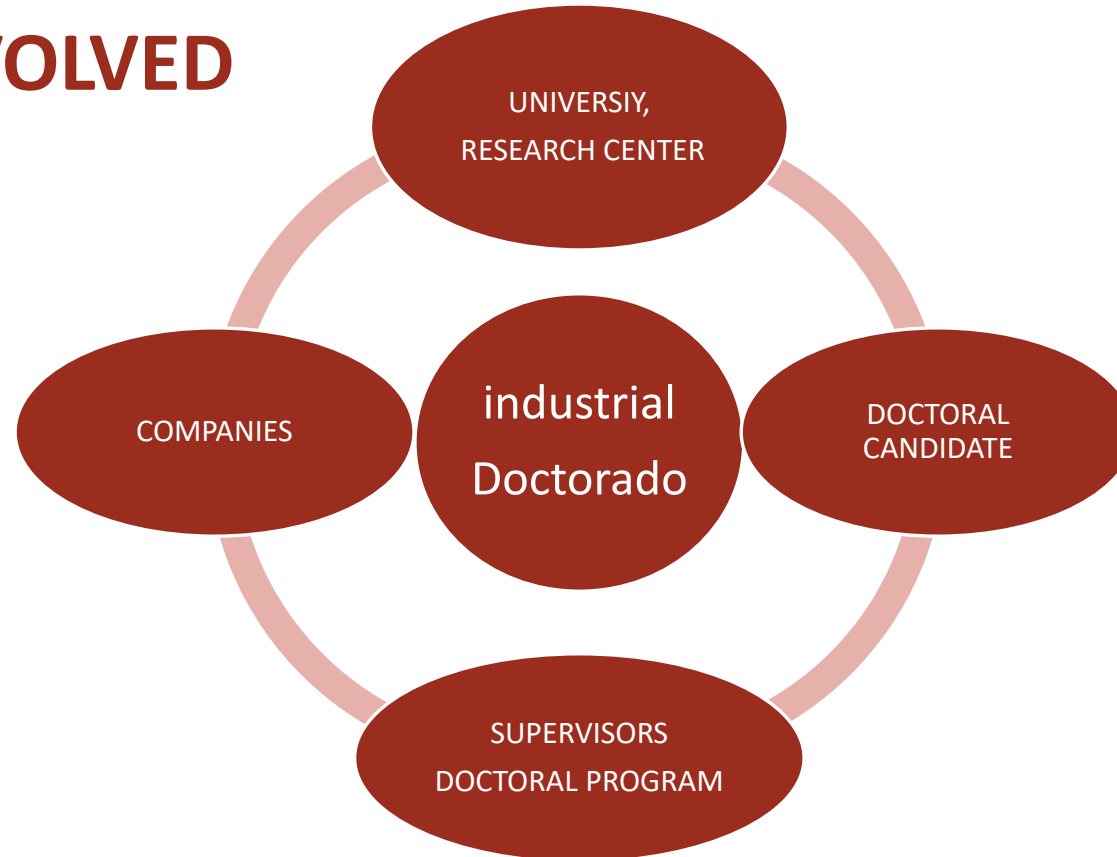
AIMS

- ☐ Increase innovation and internationalization in local industries
- ☐ Promote collaboration between public and private sectors
- ☐ Reinforce profesional skills of the doctorate students so that they are able to succesfully work in competitive I+D companies.
- ☐ Increase research internationalization by encouraging participation in European projects



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AGENTS INVOLVED



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Co-finance predoctoral grants

- ✓ Predoctoral contract: 75% industry, 25% university
- ✓ Work at the company, but access to all university facilities
- ✓ Access to research laboratories
- ✓ Funding for international mobility
- ✓ Specific training in entrepreneurship

Conditions

Sign specific agreement

Research and activities directed to Doctoral Thesis

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The project should be approved by the academic committee

Strategic for the company

PROJECT

Directed toward Doctoral thesis

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. COLLABORATION AGREEMENT

University – Company

- joint **selection of candidates**
 - Joint **supervisión**
 - Shared **Work load**
- Training on **transferable skills**
 - Internationalization



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Financing projects

- ✓ Funding up to 20.000 for a research Project
- ✓ Presented by a professor at the university and company
- ✓ Interest for the company but funded by the university
- ✓ The doctoral candidate work in the Project but payed by Company
- ✓ Directed toward thesis

Strategic for the company

PROJECT

Directed toward Doctoral thesis

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For the University

- ❑ Reinforce mechanisms for knowledge transfer
- ❑ Contribute to economic growth
- ❑ Access to *Know-how*
- ❑ Awareness of the needs of the industry
- ❑ Strengthen links between *university - industry*

BENEFITS

For the Company

- ❑ Increase competitiveness of the Company through innovation
- ❑ Increase qualifications of their workers
- ❑ Take advantage of research facilities of the University
- ❑ Internationalization

Benefits for the student

- ❑ Participate in strategic and innovative research Project
- ❑ Acquire professional skills. Open possibility to work in industrial settings
- ❑ Combination of systemic knowledge, professional skills, research skills
- ❑ Possibility for mobility & internationalization



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