

New Regulation for Doctoral Studies in Spain

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Main Goals

- Defining competencies and skills of the PhD as the main actors of society in the generation, transfer and adaptation of R + D: PhD essentials for institutions involved in innovation and research. *Technology transfer starts with people.*
- Doctorate inextricably linked to the transfer and research missions of universities, in close relation to the improvement of the teaching function, economic and cultural development and social cohesion.
- Accordingly, linked to international strategies and alliances.

PhD leading the transfer from knowledge to society

Principles

- Linking the Bologna Process, doctoral training and research career.
- Linked with the new Law of Science and Technology, where a research career is established, including a Thesis Contract.
- Doctoral-center for the knowledge triangle (Lisbon strategy): base for education, research and innovation.
- Not fragmenting unnecessarily doctoral studies.
- Probably developed in doctoral schools with the participation of universities and other institutions in R & D.
- Internationalization and mobility essential components.
- Assessment and accreditation of quality as a reference for recognition and international appeal.
- Aligned with the Salzburg principles as well as other European recommendations.

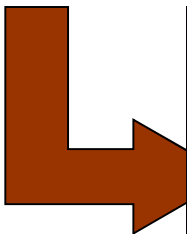
Organization

240 ECTS

Bachelor
Grants

+60 ECTS

Master
Grants



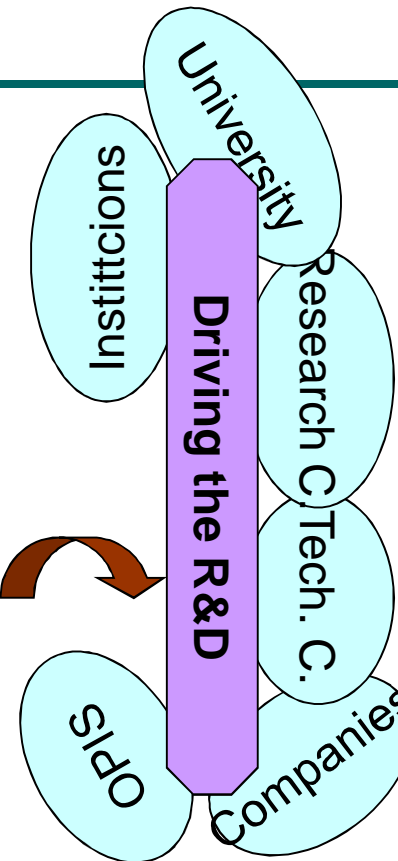
Collaborations

Doctoral schools

PhD Thesis

R&D Units

FPI, FPU, Prof. Ayudante
Préstamo renta



Ayudante Dr.,
Colaborador Dr.,
JdIC, RyC, TQ, I3

Doctoral Programmes

- Doctorate in an university is organized in *Doctoral Programmes*.
- Each doctoral program guided by an *Academic Committee (AC)*, appointed by the Doctoral School and/or the University.
- Chaired by a *Program Coordinator*, a member of one of the institutions of the School / University.
- The committee guides, evaluates and advises whole life of the programme and registered doctoral students.
- Rules proposed by the AC and approved by the University.

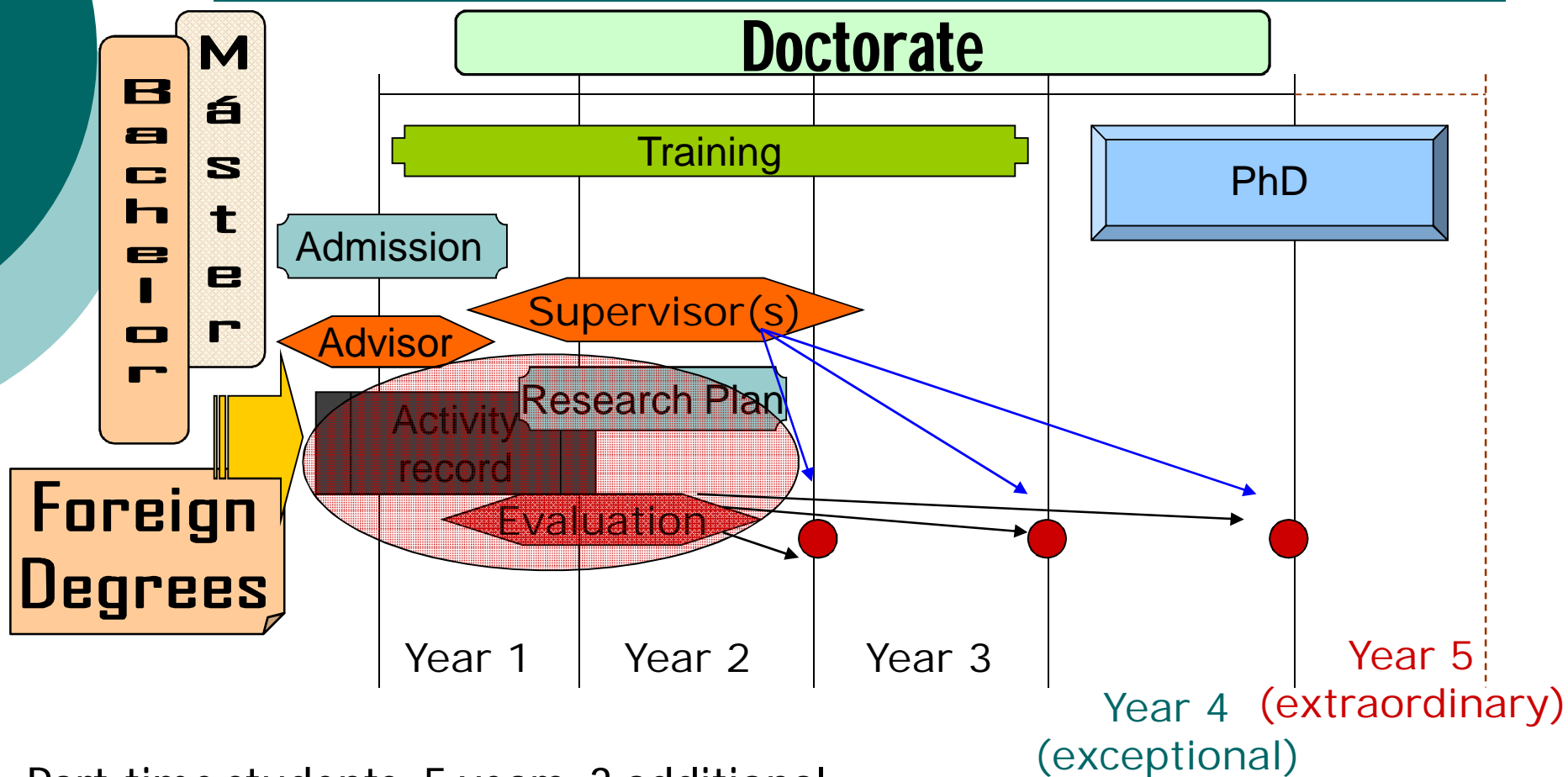
Doctorate management

- Doctoral programmes are managed by the scientific units of universities.
Must be linked to university long-term research strategy.
- Also in Doctoral Schools
- Administrative structure and strategic management. The universities will decide according to its regulations, statutes or regional laws.

Internacional ization

- Quality research is international. A doctorate is based primarily on cooperation between researchers.
- Development of international collaboration by means of:
 - Direct participation in schools of foreign institutions.
 - Agreements and actions to attract talent (teachers and students).
 - Collaboration agreements for certain programs.
 - Joint doctoral programs.
 - Benefits for Erasmus Mundus programs (automatic accreditation).
 - Significant part of our Campus of International Excellence program.
- International (and European) Thesis: Language + stay + jury

Doctorate in Sequence



Part-time students: 5 years, 3 additional

Access

- EHEA official university degree that enable access to Master, with at least 300 ECTS credits of which at least 60 must be of Master's level.
- Spanish official bachelor degree \geq 300 ECTS credits.
- Holding a PhD
- Foreign degree:
 - Does not need official recognition
 - Level of education equivalent to a Spanish Masters and empowering in home country for admission to the doctorate.
 - Doctoral programs can add additional training

Admission does not imply recognition of previous studies.

The PhD degree will be valid in Spain.

Doctoral Training

- Doctoral candidates are considered as early stage researchers.
- Training by means of several activities (not necessarily formal courses)
 - Transferable skill training
 - Specific training for the programme research focus
- Universities must fix recognition of doctoral management, supervising tasks, as part of the docent duties of professors.

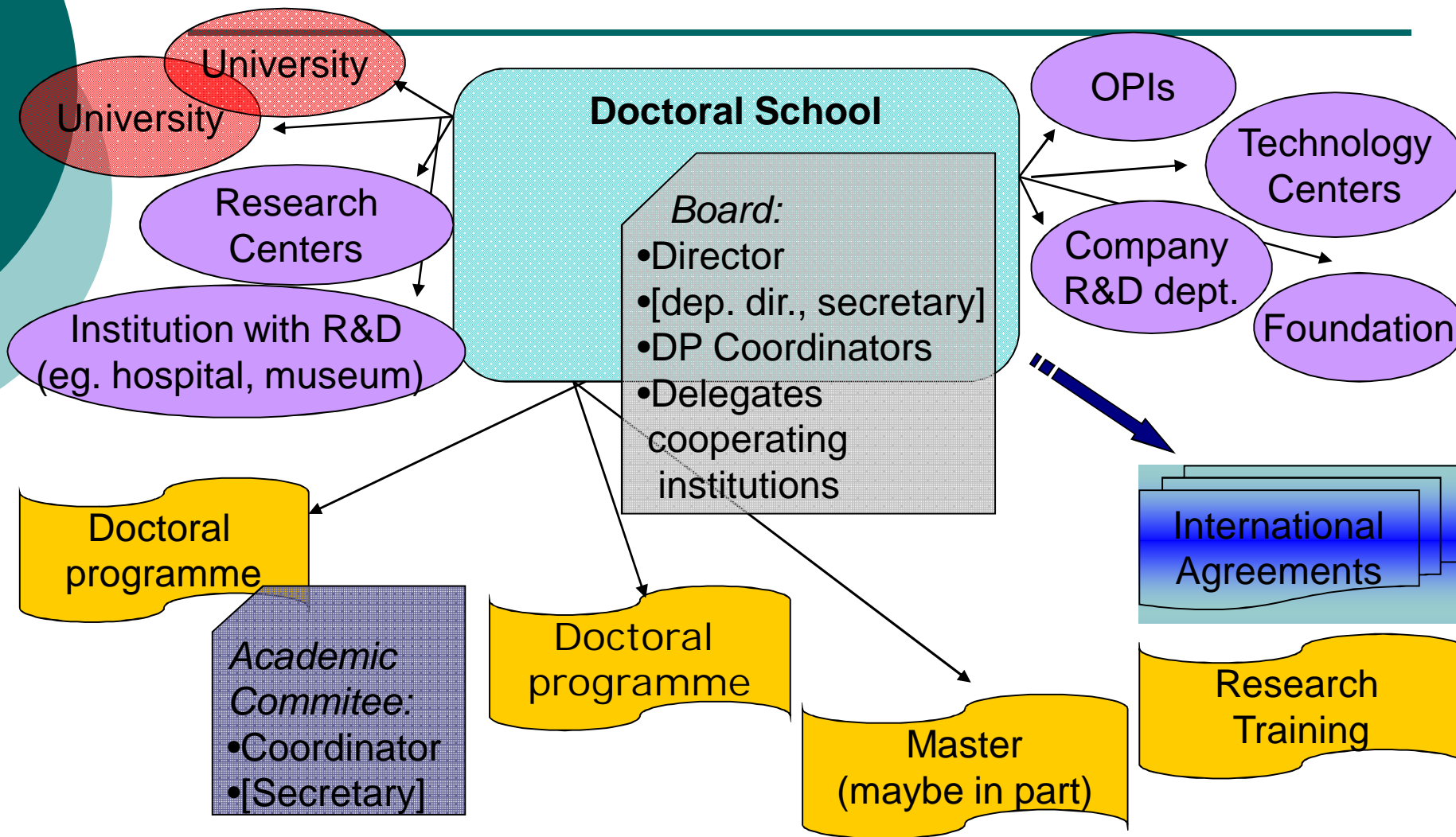
Supervising and Advising

- **Advisor:** From the University/School. Interaction with the programme and Academic Committee.
- **Supervisor** in 6 months: She doesn't need to belong to the University/School. More than one supervisor is allowed (even encouraged in case of collaborative programmes).
- **Pack: Research activity record + Research Plan** evaluated by the AC every year.
- **Formal document** signed by the university, doctoral candidate, supervisor, and advisor (solving conflicts procedure, intellectual property, ...)

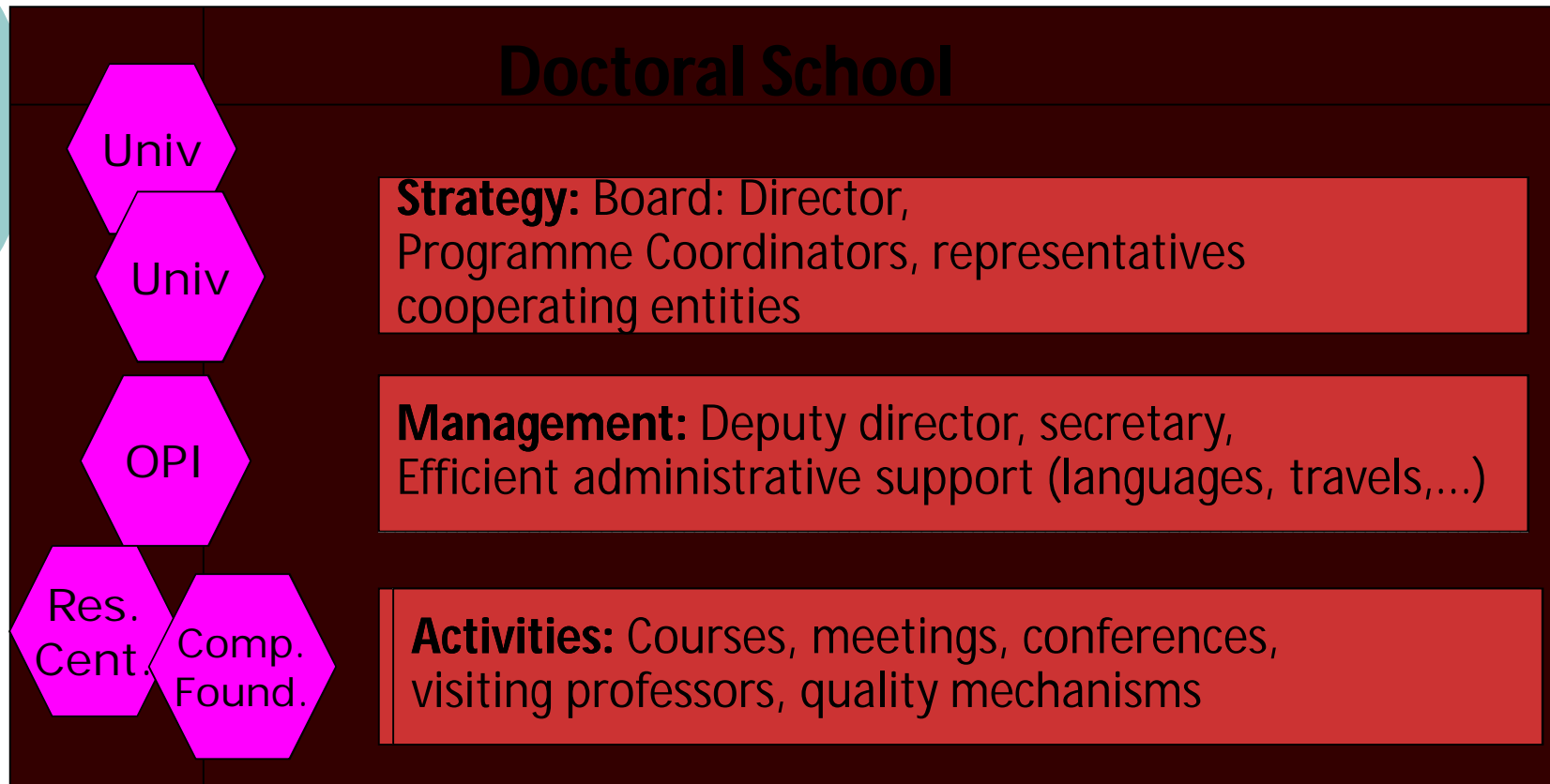
PhD Thesis

- ***Original piece of research work***
- Should allow for autonomous work in the R&D environment.
- The University / Doctoral School fixes their own quality assurance mechanisms. They will be evaluated in evaluation and accreditation process.
- Can be developed in the usual language of their scientific area.
- Public defense.
- Publication required in institutional repository.
- In special circumstances (confidentiality agreements with companies, possibility of patents, etc.) previous rules can be overcome. Universities will develop adequate procedures.
- The University / School may set additional requirements (imposing certain number of publications, pre-evaluation, etc.)

Doctoral Schools



Doctorate Schools: Organization



Quality

- Preference for interdisciplinary schools
- Director: renowned researcher (endorsed at least by having three six-year positive evaluation or similar merits if they are not university professor).
- Coordinators: relevant research (2 six-year positive evaluations + 2 PhD supervising)
- Code of conduct (good practice) endorsed by its members.
- Programs verified by Quality Agency, accredited by University Council.
- Doctoral candidates involved in governance bodies (already existing).
- Websites for Doctoral Programmes, including whole information as well as quality indicators.

Doctorate grants and fellowships

- Label of Excellence
 - Schools
 - Programmes
- Public calls preferably for those holding a label:
 - Fellowships
 - Mobility
 - Visiting professors