Spanish IQA of Doctoral Studies

Study Case

Doctoral Program: "Advanced Electronic Systems. Intelligent Systems"

University of Alcalá (Madrid, SPAIN)

Alfredo GARDEL

- ➢ University of Alcalá

- ➢ Spanish Doctoral Studies

- ➢ Assesment Framework for EQA/IQA

- ➢ IQA Guidelines

- ➢ University of Alcalá IQA case

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C3QA

Universidad
de Alcalá

University of Alcalá (UAH)

- Brief presentation -

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Full Professor

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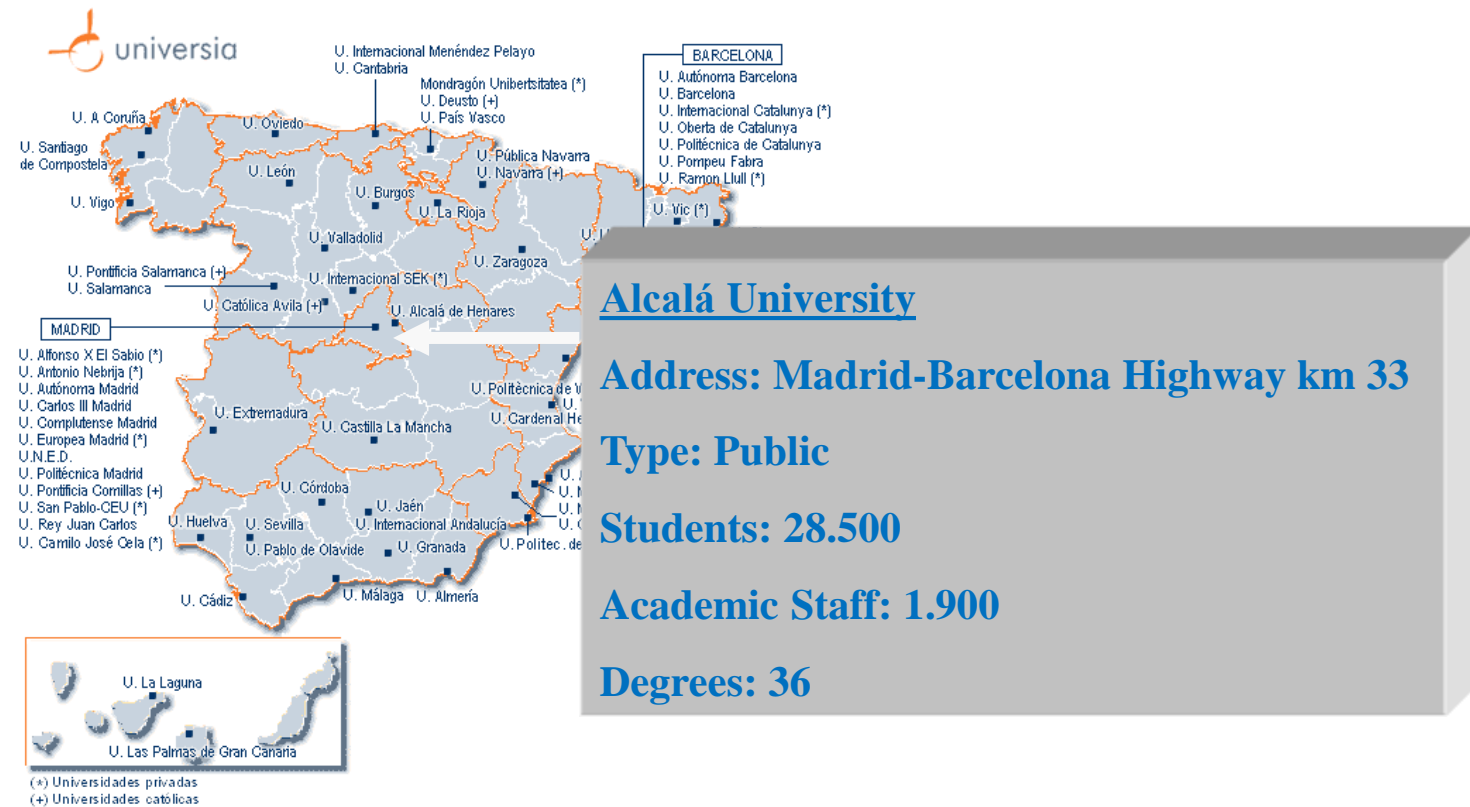Full Professor

University of Alcalá
www.uah.es

Overview

- Ancient University (Founded in 1499 by Cardinal Cisneros)

- It was declared by UNESCO a World Heritage Site on 2nd December 1998

Overview

* Located in Alcalá de Henares, Madrid (30 Km from the capital – 15km from Madrid Int. Airport)

Alcalá University

Address: Madrid-Barcelona Highway km 33

Type: Public

Students: 28.500

Academic Staff: 1.900

Degrees: 36

Overview

* 28.500 Students
  * 17.200 Graduate
  * 11.300 Post-Graduate
  * 5.800 foreigner students
* 1.900 Academic Staff
* 750 Administration Staff
* 36 Degrees
* 45 Master Studies
* 3 Campuses (city center, outside campus, Guadalajara)

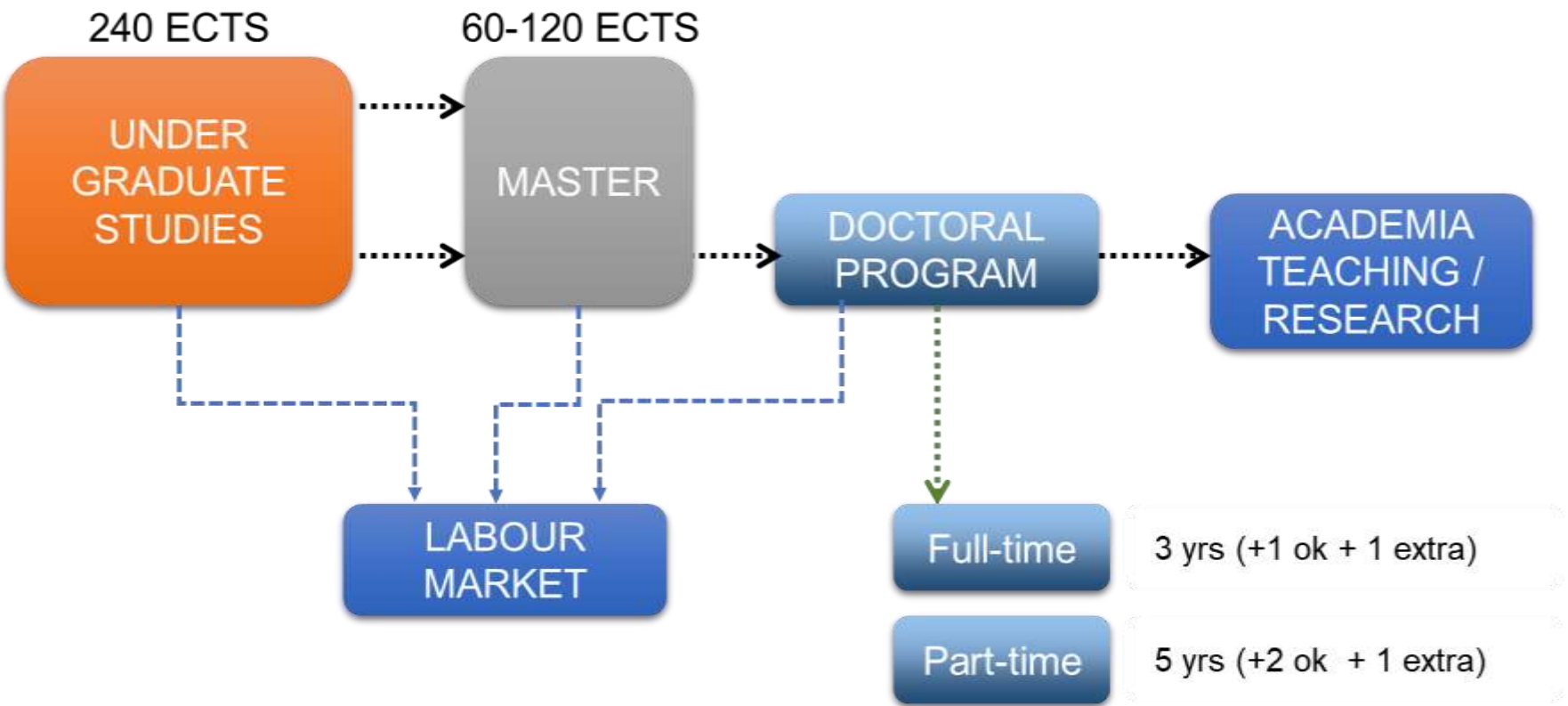# Spanish Higher Education Studies
- **Doctoral Studies** -

University Studies

240 ECTS → UNDER GRADUATE STUDIES

60-120 ECTS → MASTER → DOCTORAL PROGRAM → ACADEMIA TEACHING / RESEARCH

LABOUR MARKET

Full-time — 3 yrs (+1 ok + 1 extra)

Part-time — 5 yrs (+2 ok + 1 extra)

Government & Public Actors for Doctoral Studies

Ministry of Education

Region Governance

Universities

Legislation

Rules

Doctoral School

Doctoral Programs DP1 | DP 2 | DP 3….

Thesis 1 | Thesis 2 | …

Academic Boards to control and manage different issues
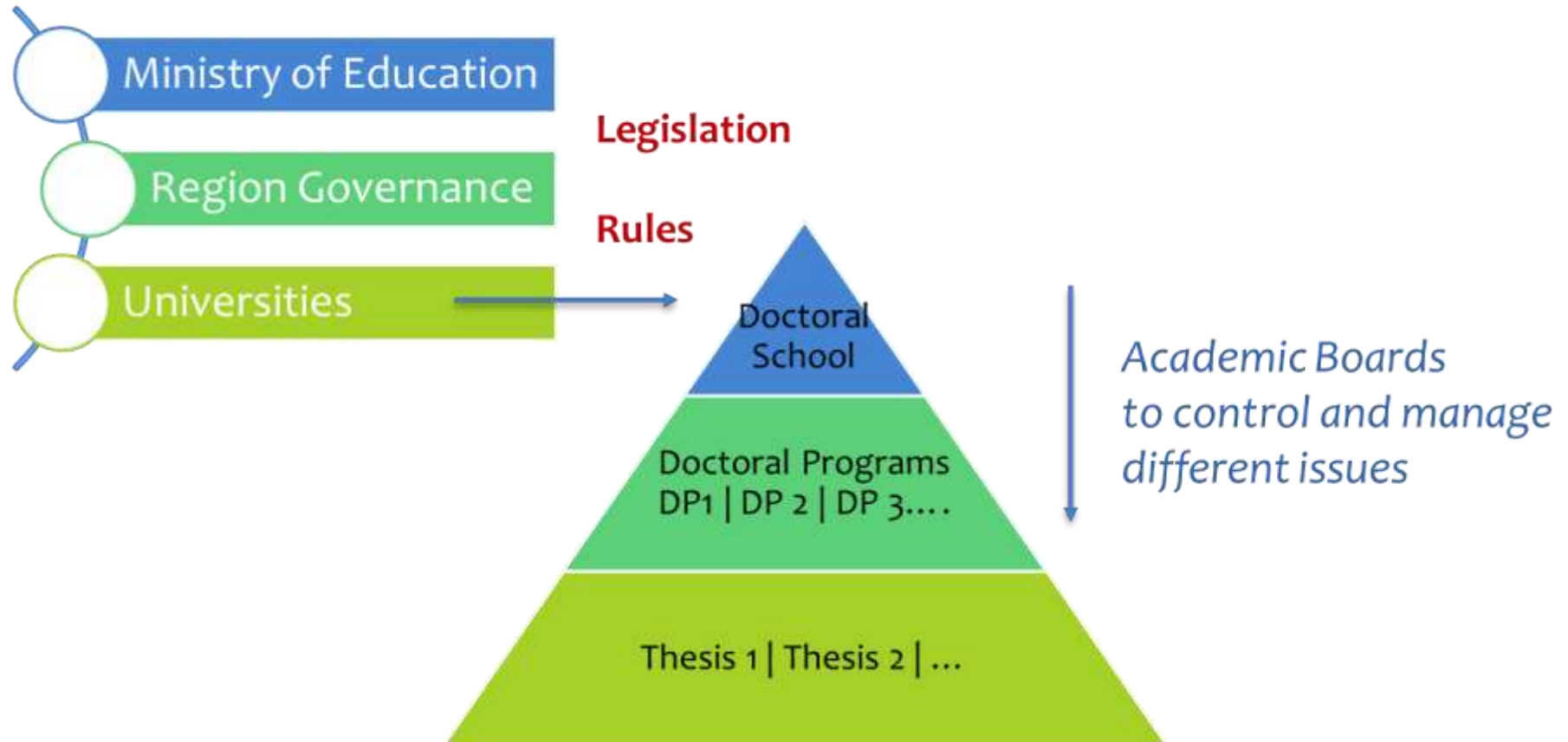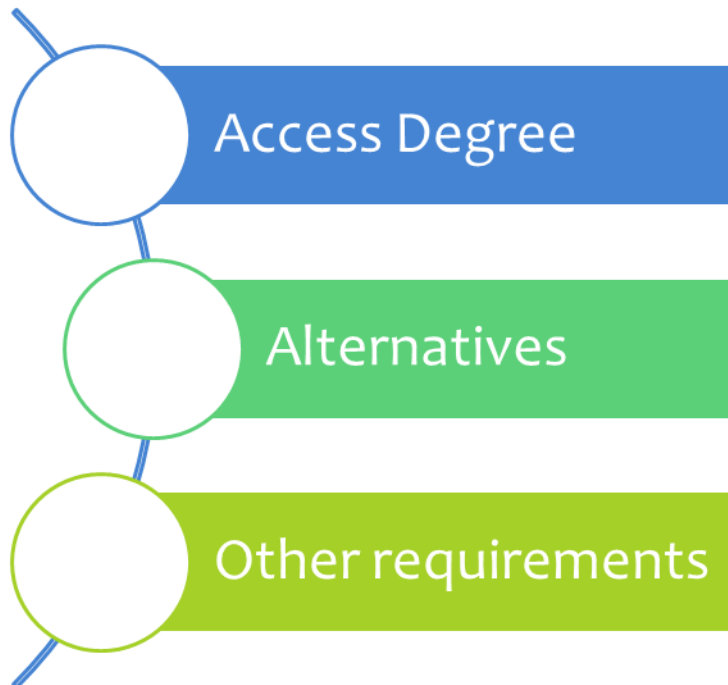
- *Each university* can deploy its own strategy to propose and enhance its Doctoral Programs (DPs)

- *Each DP:*

  - **Different** Research Lines

  - Related with **Research groups** (regulated by the University)

  - **Not any professor** can participate in the DP

    Relevant competitive projects

    Research publications

- *DP Coordinator / Academic board* - **relevant researchers**

DP Motivation

- Research trajectory of involved professors
- Social, academic and scientific contexts

Collaborations – research entities researchers (national & foreigners)

Students Admision/Enrollment

- Max. Nº available / DP
- Max. Nº years enrolled in DP
- English lang. required
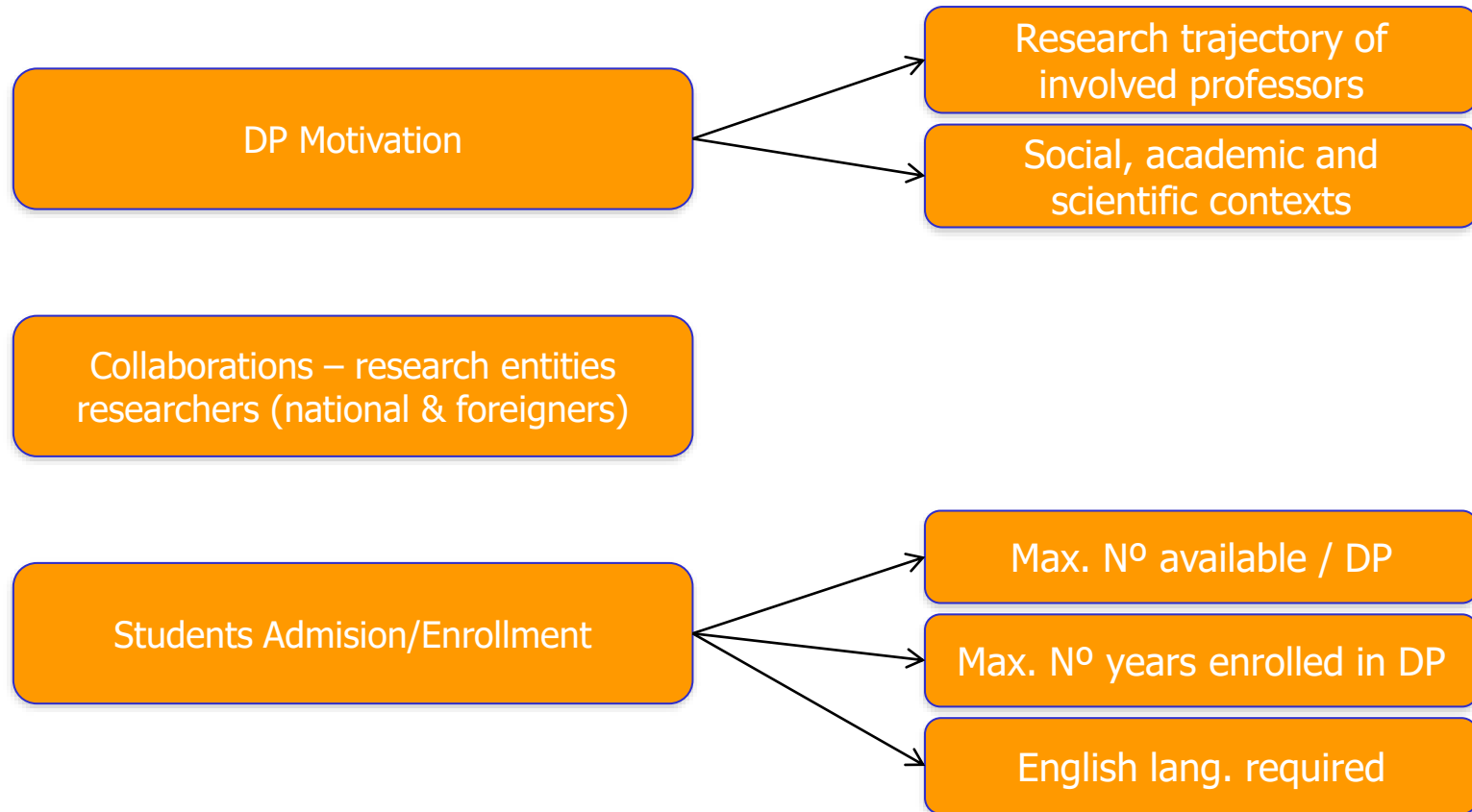
Admission to DPs

* **Academic Board of the DP decides student admissions**

Access Degree	BSc + MSc degree (suggested ones)
Alternatives	Previous DP students Foreign students evaluated to ensure equivalency with Spanish (EU) degrees
Other requirements	Specific language knowledge, etc.

Students Enrollment Process

PUBLIC INFORMATION FOR PROSPECTIVE STUDENTS

Historical data about DPs	DP for suggested degreees (BSc/MSc)	New students welcome and guidance	Other mechanism to guide DP students

(*) Students with special needs
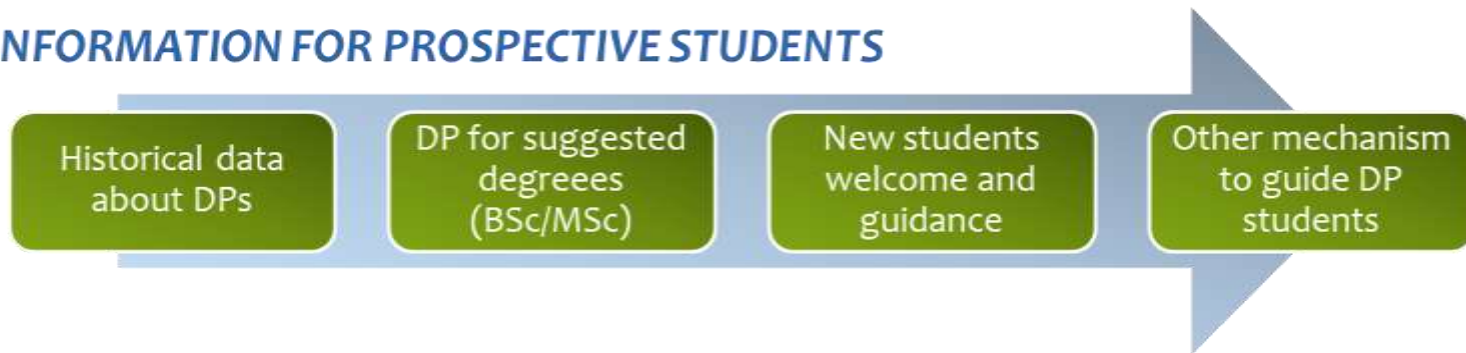
ADMISION CRITERIA - REQUIREMENTS

Req. Nº Min. ECTS BSc+MSc (suggested degrees are welcomed)	Level > 50 out 100 points from Grades + Languages + Scientific Training + Stays + etc.

Student enrolled to DPs – continuous evaluation (1/2)

* **Enroll in the study:**
  * A tutor is assigned and the student signs the **Collecting Evidence agreement**

* **After max. 6 months:**
  * The supervisor of the research is assigned (usually the tutor).
  * The formation activities planning is submitted

Student enrolled to DPs – continuous evaluation (2/2)

* ### After 1 year (max.):
    * The student presents the Research plan, **validated** by the supervisor and tutor

* ### Yearly:
    * The Academic Board **evaluates** the Research plan, Formation activities and reports from Supervisor (and Tutor if different)
    * If the evaluation is **negative**, the student will present a new Research plan to be evaluated in 6 months max. If the evaluation is once again negative, the student is dismissed.

Supervision of PhD Students

- *Supervision agreement*
  - Supervision of the *doctoral work* done by the PhD students
  - Resolve issues between students and researchers such as intellectual property rights and related

- *Planning the research of the Thesis*
  - Methodology, goals and timeline for the research
  - Reviewed by thesis tutor and advisor
  - Evaluated in the Academic Panel Board of the DP

- *Training Activities*
  - Annually report a resume of the formation activities the PhD student is enrolled in.
  - The examination panel board will have these reports when in the PhD evaluation

Students will acquire different. Competences & Personal Skills

Additional Required Courses

| Other degrees different from the suggested ones | Skills & competences required for the DP research lines | Learning outcomes previewed |

Transversal Formation

| N° Min. Hours (not ECTS) | Suggest year DP to be done | Skills & competences related to several DPs – offered by DS |

Specific competences

| N° Min. Hours (not ECTS) | Suggest year DP to be done | Skills & competences directly related to only one DP | DP Courses / Seminars / Conferences , etc. |

Defense of the thesis (1/2)

* **Panel board to evaluate the PhD thesis** :
    * composed from 3 to 5 external researchers (60% outside current university)
    * proposed by the Academic board of the DP.
* **Formation activities considered as the qualitative goodness of the thesis in examination**
* **The PhD document should include**:
    * introduction, goals, results, discussion and final conclusions
    * can be shortened by using the compilation of 3 or more papers developed in the thesis

Defense of the thesis (2/2)

* ***The "Cum Laude"*** maximum grade if all the members agree
    * secret vote reviewed after the thesis exam
* The language used in the PhD document and examination maybe any of the scientific ones.
* **International** mention PhD: 3 months stay in a foreign research institution
* **Double PhD**: According to bilateral agreement rules.
* The university save the thesis in electronic format and sends it to the Ministry of Education (except confidentiality agreements or patents are signed)

Internationalisation and Mobility

- Universities are encouraged to enhance their efforts to support *international institutional cooperation* and mobility at doctoral level as part of their institutional strategies:
  - joint doctoral programmes, co-supervisors, etc.
  - Trans-sectoral mobility (doctoral programs and collaboration with industry)
  - Internationalization inside universities: recruiting international staff, organization of int. summer schools and conferences; using new technologies for e-learning or teleconferences, etc.
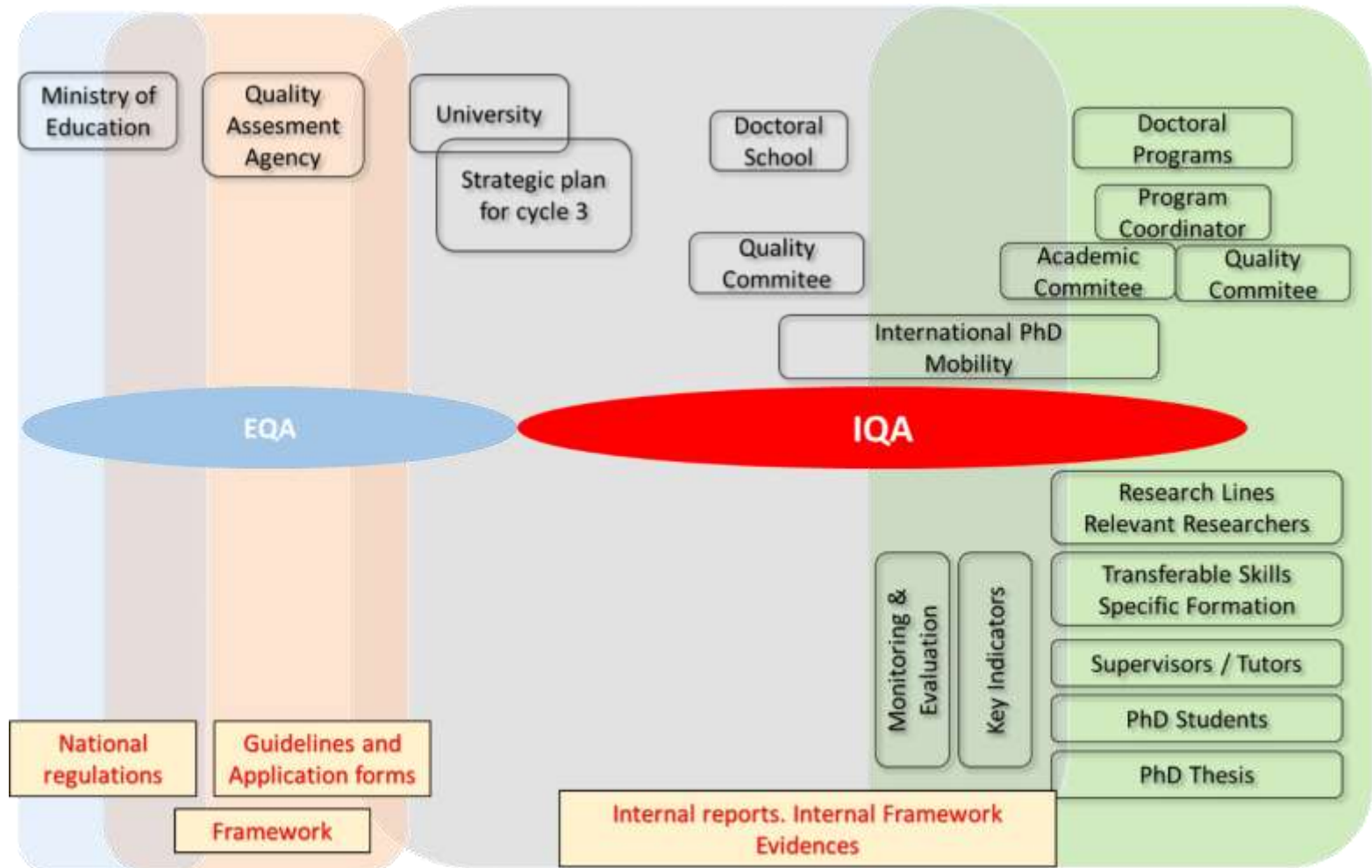 - Mobility has to be recognized as an added value for career development of early stage researchers

Doctoral Studies

- Assesment Framework -

DP Evaluation Criteria

EVALUATION CRITERIA (last 6 years)		
Research Supervisor CV of defended thesis		20%
Thesis ratios	Defended Thesis/professor >=2 (100%)	25%
	Defended Thesis/Total Nº Students (0.8) → 100 pts (thesis abandoned or >3 years)	
Nº publications from defended thesis		25%
Mobility actions (Nº months)		10%
Transparency and correctness of DP procedures		10%
International collaborations		10%

WEIGHT
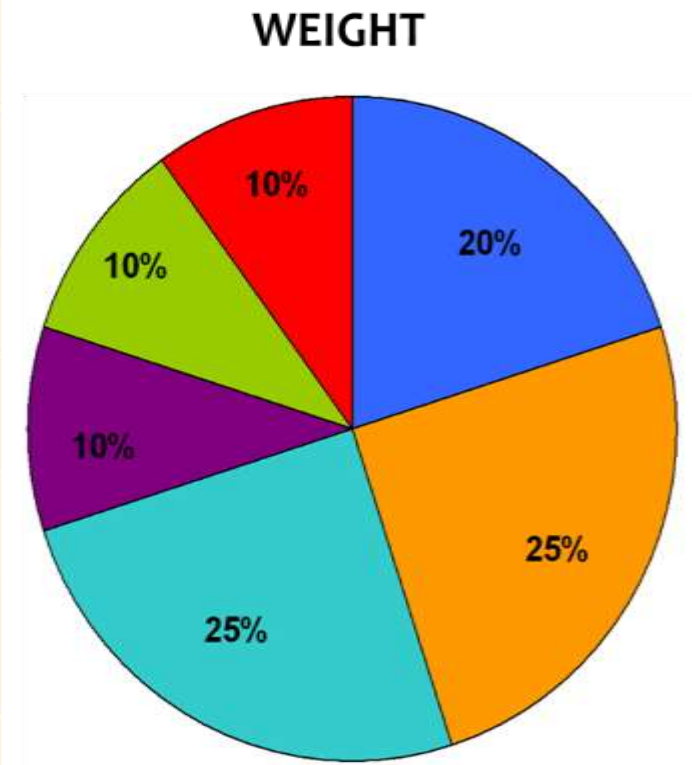
DP Evaluation Criteria

* Quality Indicators >75%
  * EXCELLENT DP
    * Suitable to have more public fundings (trainings, mobility, international relations, etc.)

* If several Quality indicators < 50%
  * 1st time -> Contingency and improvement plan
  * Not-1st time -> DP closure
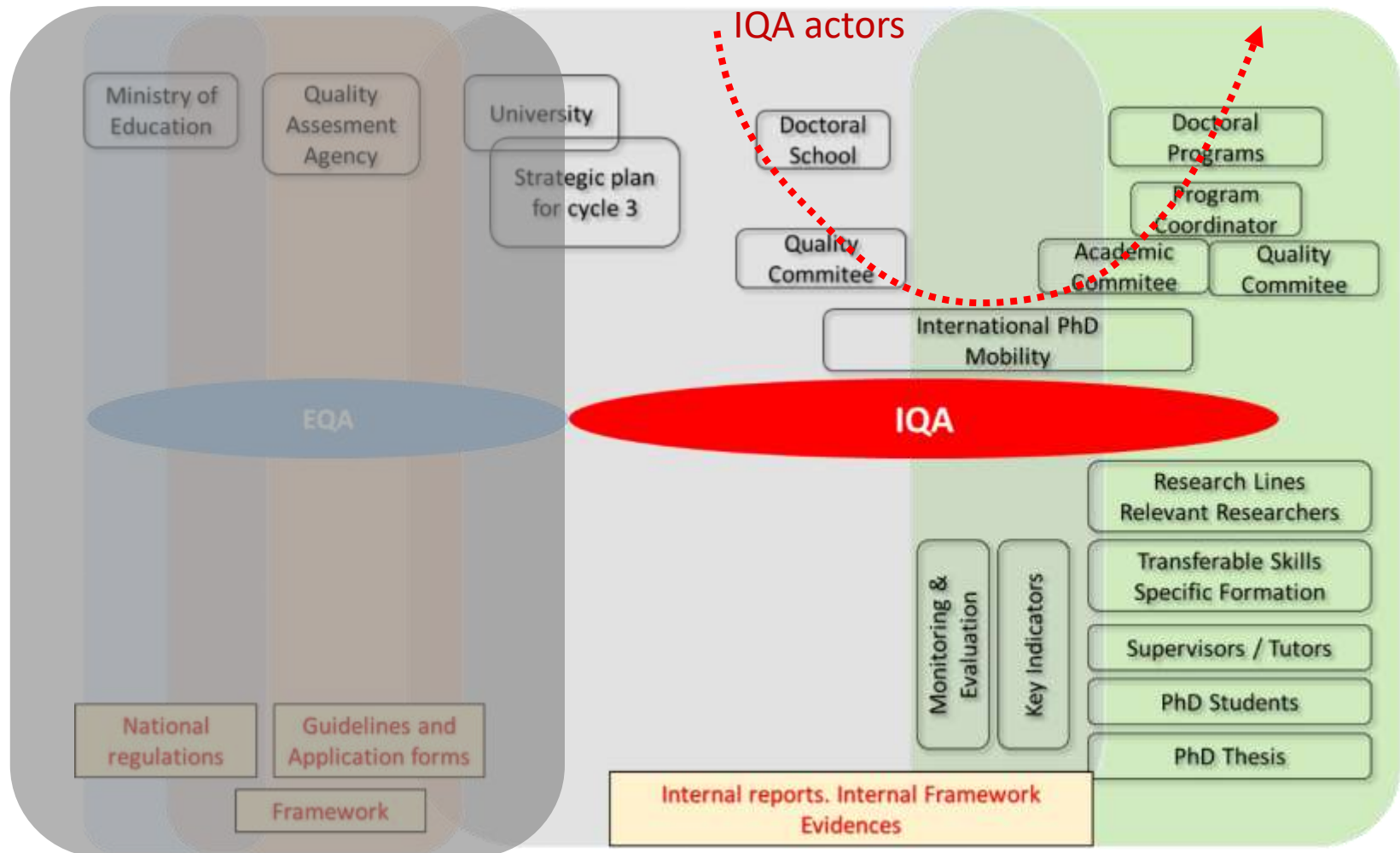
IQA Guidelines
- University of Alcalá case-

IQA guidelines

IQA and Ex-Post accreditation processes viewed as a SINGLE process

Continuous improvement (IQA) => External validation of results.

Periodically, Universities submit to ExQAA[1] their monitoring reports

Less often the Ex-Post accreditation of the DPs is evaluated.

The 6 Dimensions of the Monitoring Report for the Ex-Post accreditation process:

> *1. Quality of the training program*
>
> *2. Relevance of public information*
>
> *3. Efficiency of the internal quality assurance system, and the review*
>
> *4. Adequacy of professors to the program (Quality and suitability)*
>
> *5. Effectiveness of learning support systems*
>
> *6. Quality of the program results, and its improvement*

[1]ExQAA - External Quality Assesment Agency

The monitoring report produced <u>every year</u> obtain/collect the main indicators about the DP development and academic results.

> **Mandatory at least every 3 years**

Documents to generate

- **Monitoring report** (general doc from the DS – Doctoral School)
- **Improvement plan** (general doc from the DS – Doctoral School)
- **Goals and quality policies of the DP** (specific document from the DP)

Information sources and data collection tools (indicators and evidences)

- **Pre-inscription and admission data**
- **Student data collection questionnaires**

(University)

- **Student data collection questionnaires**
- **Teaching and Management staff data collection questionnaires**

(DP Quality Committee)

- *Set-up a system to collect the DP information , review process and modification procedures/mechanisms*

DP Trainings
- Competencies, DP goals
- Formation paths
- Educational activities

Students related
- Admission rules and procedures
- Student grade system
- Individual student orientation

Academic facilities
- Academic staff
- Premises and other facilities

Evaluation system
- Collect information from student, PhD holders and employers
- Procedures and reviewing system

1) Functioning and scientific targeting of the Doctoral School	
Organisation and governance	
• *Scope and competence*	↑↑↑
• *Links with research teams and research centres*	↑
• *Accreditation of the institution*	↑↑↑
• *Director*	↑↑
• *Doctoral School Council*	↑↑↑
• *Internal Rules*	≈
• *Communication*	↑↑↑

X ≈ ↑

1) Functioning and scientific targeting of the **Doctoral School**		
Recruitment and reception policy for doctoral students		Comments
• *Thesis funding*	≈	• Few highly competitive positions • Usually national projects, national programs and some enterprise research funding
• *Recruitment of PhD students*	✗	• DPs do it
• *Conditions for registration in 1st year*	↑↑	• Competitive access • Minimum requirements to be met • Several aspect are evaluated
• *Doctoral students welcome*	✗	• DPs do it

✗ ≈ ↑

2) Supervision and training of <u>doctoral students</u>		
Doctoral student supervision policy		
• *Thesis supervisor*	↑↑↑	• Strong requirements to be a supervisor • Contracts including activities to be developed and good practices (DP, Supervior Student) • There are usually co-directors and co-tutelles
Training and activities offered to doctoral students		
• *Scientific training*	↑↑↑	• Offer of transversal and specific subjects • Formation are not fixed for all students. • The program is focused to each student
Policy on the defences and duration of theses		
• *Duration of theses*	↑↑	• 3 + 1 year • 5 + 1 year (partial time)
• *Defence* *(after during before)*	↑↑↑	• Fulfill Training activities & publish 2 papers in JCR-Q1 • Public exhibition period of the thesis (pre-defence) • Positive report from all panel members (pre-defence) + 2 positive international reports. • The thesis is published in a public repository

3) Monitoring the professional careers of doctors		
Value of the doctorate	↑↑↑	• Stakeholders are continuously asked for their opinions • Results are analyzed each year
Monitoring the careers of doctors	↑↑↑	A monitoring of the evolution after the end of the doctorate (1st year, 3th year, 5th year) is made.

Monitoring report

Rating for each dimension

A: it is fully complied with and is also one of the strengths of the qualification	C: partially met and therefore areas for improvement have been identified.
B: is fully met	D: not met

Each dimension should include some analysis information supported from evidences and indicators

0 ANALYSIS OF RECOMMENDATION REPORTS FROM EX_ANTE ACCREDITATION, MONITORING AND EX_POST ACCREDITATION ESG: 1.2, 1.3, 1.4	Review the Ex-Ante accreditation/modification, monitoring and Ex-Post accreditation reports and analyse what has been done related to the recommendations contained therein.
1 QUALITY OF THE TRAINING PROGRAM ESG: 1.2, 1.3, 1.4	The programme has mechanisms in place to ensure that the admission profile of doctoral candidates is adequate and that their number is consistent with the characteristics and distribution of the programme's research lines and the number of places offered. The programme has appropriate mechanisms for supervising doctoral candidates and, if applicable, their training activities

Monitoring report

2 RELEVANCE OF PUBLIC INFORMATION ESG: 1.1, 1.7, 1.8, 1.4	The institution publishes true, complete and up-to-date information on the characteristics of the DP, its operational development and the results achieved. The institution ensures easy access to relevant information on the DP for all groups of interest, including the results of monitoring and, where appropriate, accreditation.. The institution publishes the IQAS that forms the framework of the DP.

3 EFFICIENCY OF THE INTERNAL QUALITY ASSURANCE SYSTEM (IQA) ESG: 1.1, 1.9, 1.7, 1.10	The implemented IQAS facilitates the processes of design and approval of the DP, its monitoring and accreditation The IQAS implemented ensures the collection of information and results relevant to the efficient management of DPs. The implemented IQAS is periodically reviewed for adequacy and, if appropriate, an improvement plan is proposed to optimise it.

Monitoring report

4, 5 HUMAN AND MATERIAL RESOURCES AVAILABLE FOR THE DP **ESG: 1.5, 1.6, 1.3, 1.4**	**The faculty has an accredited research activity.** **The teaching staff is sufficient and has the appropriate dedication to carry out their duties.** **The DP includes the appropriate actions to encourage the supervision of theses and the tutoring of doctoral students.** **The degree of participation of foreign professors and international doctors in the monitoring commissions and thesis courts is appropriate in the scientific field of the programme.** **The material resources available are appropriate to the number of doctoral students and the characteristics of the DP.** **The services available to doctoral students provide adequate support for the learning process and facilitate their entry into the labour market**

Monitoring report

6 EFFICIENCY AND SATISFACTION INDICATORS ESG: 1.3, 1.4, 1.2, 1.7,1.9	Doctoral theses, training activities and their evaluation are consistent with the intended training profile. The values of the academic indicators are suitable for the characteristics of the DP. The values of the labour market insertion indicators are suitable for the characteristics of the DP.

Monitoring report - conclusions

STRENGTHS	Talented researchers Labour market insertion Stakeholders satisfaction Quality assesment procedure Etc.
WEAKNESSES	Web maintenance, up-to-date and social media presence Lack of transversal skills Flow of information among students and DP managmente comittees

Improvement plan

CODE (Nº-year)	IMPROVEMENT	RESPONSIBLE	START	INDICATOR EVIDENCE	STATE
1-2018	Web maintenance – update	Doctoral School	Inmediate	Questionnaire	Not started
2-2018	Lack of transversal skills	Doctoral School	Inmediate	Questionnaire	Done
3-2018	Communication among stakeholders – students – researchers	QA - DP	Inmediate	Questionnaire	In process
	……………………………..				

Goals and quality policies – DP IQA committee

DOCTORAL PROGRAM QUALITY COMMITTEE *"ADVANCED ELECTRONIC SYSTEMS. INTELLIGENT SYSTEMS"* DATA COLLECTION ON KEY ASPECTS OF PROGRAMME DEVELOPMENT			
	PhD Students	**Proffesors**	**Administrative staff**
Total number of registered incidences			
Total number of suggestions/complaints related to the promotion of the DP			

DOCTORAL PROGRAM PROMOTION ACTIVITIES	
Evidences of activities and actions to promote the DP and student enrollment	Evidences
Promotion plan – evidences / actions	Documents
Promotion materials	Documents
…………………….	

Goals and quality policies of the DP

DATA ABOUT RESEARCHERS/PROFESSORS					
Total number of researchers involved in the DP	Nº				
Researchers/proffesors legally capable to supervise a PhD	Nº				
Funded research projects currently in development	Nº				
Foreign researchers involved in the DP	Nº				
Researchers/Professors with at least 1 PhD supervised in the last 5 years	Nº				
Research contributions done by Researchers/Proffesors in the last year related with the DP	Nº papers indexed journals				Conferences Patents, etc.
	Q1	Q2	Q3	Q4	

Public information about the Doctoral Program
Rules for admission, calendar, administrative procedures.
Complementary formation activities/subjects
Transversal formation activities - data
DP Specific formation activities - data

Data from University databases

ADMISSION STATISTICS		CURRENT PHD STUDENTS - DEFENDED THESIS	
Total number of offered admissions		Total number of Supervised PhD Thesis	
Total number of enrollment requests		% co-*supervised* PhD Thesis	
Total number of new enrollment reqs.			
% enrollment requests at full-time		**Number of Defended Thesis**	
Total number of enrolled students		Mark statistics of defended thesis	
% enrolled students at full-time		% International mention	
Country of origin			
Spain / EU / Non-EU ...			

Example - Alcala University database

| PROGRAMA DE DOCTORADO:	D441 Electrónica: sistemas Electrónicos Avanzados. Sistemas Inteligentes	Fecha de Verificación	21/02/2014

ESTADÍSTICAS NUEVO INGRESO	2016-17
Plazas ofertadas	25
Solicitudes	17
Nuevo Ingreso	14
Nuevo ingreso a tiempo completo	14
Matriculados totales	40
Matriculados totales a tiempo completo	34

TESIS	2016-17
Tesis dirigidas (aún no defendidas)	40
Tesis dirigidas en cotutela (aún no defendidas)	31
TESIS DEFENDIDAS	
Aprobado	
Cum Laude	5
Notable	
Sobresaliente	
Total tesis defendidas	5
Tesis con mención internacional	4

PROFESORADO	2016-17
Profesores del programa	24
Profesores invitados	

NACIONALIDAD ESTUDIANTES NUEVO INGRESO	2016-17	
Argentina	1	7,1%
Brasil	2	14,3%
España	9	64,3%
Grecia	1	7,1%
Portugal	1	7,1%
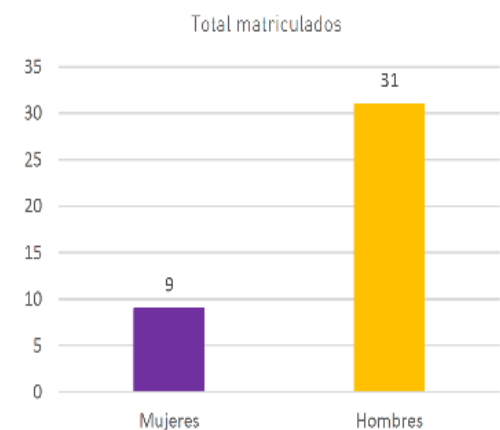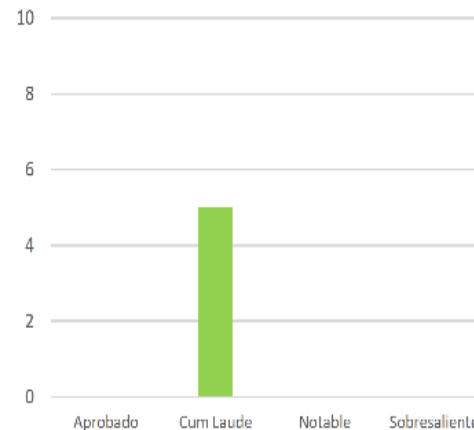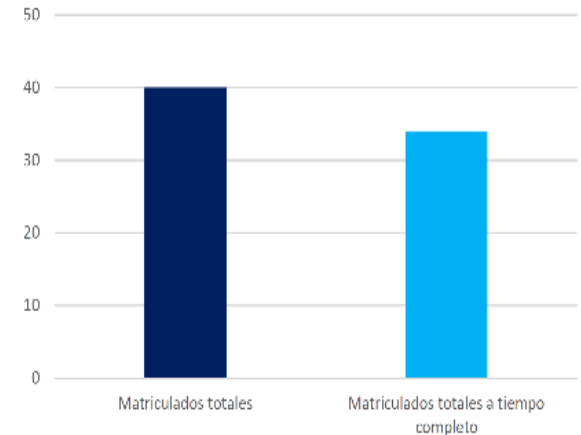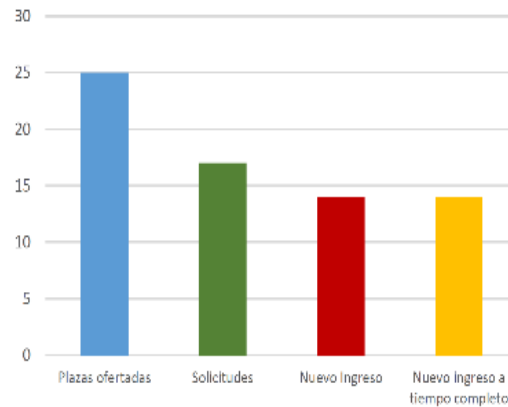
Student data – survey collection by University

1. The specific training activities of the DP (suitability, usefulness and quality)

2. The dissemination of planned training activities (suitability, efficiency, punctuality, etc.)

3. Personalized attention and support from the tutor

4. Availability and time spent by the thesis supervisor

5. Constructive criticism - review of draft work

6. Support and guidance in the development of research

7. Physical conditions in which the training activities have taken place (classrooms, laboratories, seminars, furniture, acoustics, light, ventilation, heating, etc.)

8. Bibliographic and didactic resources of the university

9. Computer and technological resources (laboratories, classroom equipment, software, etc.)

10. Web resources (Virtual Classroom, Teacher Publishing Environment, etc.)

11. Clarity and accessibility to information on registration, timetables, regulations, etc.

12. Enrollment procedures and other formalities carried out by the Doctoral School

13. Enrollment procedures and merit assessment criteria

14. Procedures for making complaints and suggestions

15. Overall satisfaction with doctoral studies

Student data – survey collection by University - EXAMPLES

Universidad de Alcalá

RESULTADOS DE LA EXPLOTACIÓN DE LA ENCUESTA DE SATISFACCIÓN DEL ALUMNADO CON EL PROGRAMA DE DOCTORADO. CURSO 2016-17

Programa: D441 ELECTRÓNICA: SISTEMAS ELECTRÓNICOS AVANZADOS. SISTEMAS INTELIGENTES

	Cuestionarios recogidos (A):	Cuestionarios enviados (B):	Tasa de respuesta (A/B):	Promedio Global de los 15 aspectos analizados:
Titulación:	20	40	50.0%	8.26
UAH:	604	1,230	49.1%	7.87

Escala de valoración: de 0 a 10, donde 0 es completamente insatisfecho y 10 completamente satisfecho.

PREGUNTA	TITULACIÓN* MEDIA	D.T.	n	UAH* MEDIA	D.T.	n
1. Las actividades formativas específicas del Programa de Doctorado (adecuación, utilidad y calidad)	7.88	2.00	16	6.91	2.67	534
2. La difusión de las actividades formativas programadas (adecuación, eficacia, puntualidad, etc.)	7.95	2.01	20	7.40	2.61	576
3. Atención personalizada y apoyo recibidos por parte del tutor	9.10	1.25	20	8.70	2.18	562
4. Disponibilidad del director de la tesis y tiempo que ha dedicado	9.10	1.33	20	8.75	2.20	565
5. Revisión de los borradores del trabajo en forma de crítica constructiva	9.00	1.26	20	8.74	2.17	551
6. Apoyo y guía en el desarrollo de la investigación	8.90	1.29	20	8.62	2.23	566
7. Condiciones físicas en las que se han desarrollado las actividades formativas (aulas, laboratorios, seminarios, mobiliario, acústica, luz, ventilación, calefacción, etc.)	8.59	0.87	17	7.94	1.96	462
8. Recursos bibliográficos y didácticos de la universidad	8.69	1.14	16	8.05	1.95	514
9. Recursos informáticos y tecnológicos (aulas de informática, equipamiento del aula, software específico, etc.)	8.17	1.65	18	7.88	2.11	472
10. Recursos web (Aula Virtual, Entorno de Publicación Docente, Mi Portal, etc.)	8.17	1.38	18	7.78	2.14	533
11. Claridad y accesibilidad a la información de matrícula, horarios, normativas, ...	7.16	1.64	19	7.18	2.56	571
12. Trámites de matrícula y demás gestiones realizadas por la Escuela de Doctorado	7.21	2.23	19	7.23	2.74	573
13. Procedimientos de admisión y criterios de valoración de méritos	7.67	1.91	18	7.78	2.25	548
14. Procedimientos para realizar quejas y sugerencias	7.60	1.99	15	7.03	2.89	416
15. Satisfacción global con los estudios de doctorado	8.47	1.02	19	7.91	2.02	571

* NOTA: Se marca en rojo, en su caso, la valoración del programa que es inferior a la valoración global de la UAH, considerando conjuntamente todos los programas evaluados.

*NOTA: UAH: todos los programas evaluados.

ESTADÍSTICOS CALCULADOS PARA CADA AGRUPACIÓN: MEDIA=«media aritmética»; D.T.=«desviación típica»; n=«número de respuestas».

Student data – survey collection by University - EXAMPLES

Universidad de Alcalá
RESULTADOS DE LA EXPLOTACIÓN DE LA ENCUESTA DE SATISFACCIÓN DEL PERSONAL DOCENTE CON EL PROGRAMA DE DOCTORADO. CURSO 2016-17

Programa: D441 ELECTRÓNICA: SISTEMAS ELECTRÓNICOS AVANZADOS. SISTEMAS INTELIGENTES

	Cuestionarios recogidos (A):	Cuestionarios enviados (B):	Tasa de respuesta (A/B):	Promedio Global de los 10 aspectos analizados:
Titulación:	19	32	59.4%	8.74
UAH:	469	996	47.1%	8.17

Escala de valoración: de 0 a 10, donde 0 es completamente insatisfecho y 10 completamente satisfecho.

PREGUNTA	TITULACIÓN* MEDIA	D.T.	n	UAH* MEDIA	D.T.	n
1. Organización del Programa de Doctorado (acceso y admisión, asignación de tutor y director, líneas de investigación, etc.)	8.95	1.03	19	8.13	1.92	450
2. Nivel de adquisición, por parte del alumnado, de las competencias básicas y generales previstas	8.89	1.02	18	8.11	1.68	446
3. Compromiso del alumnado con su proceso de aprendizaje (realización de actividades, consulta de materiales, participación activa, etc.)	8.94	1.11	18	8.12	1.73	447
4. Nivel de asistencia del alumnado a las actividades formativas	8.67	1.18	15	8.11	1.78	407
5. Condiciones físicas (aulas, laboratorios, seminarios, mobiliario, acústica, luz, ventilación, calefacción, etc.)	9.18	0.88	17	8.13	1.82	385
6. Recursos bibliográficos de la universidad	9.00	0.85	15	8.36	1.79	414
7. Recursos informáticos y tecnológicos de la universidad (aulas de informática, equipamiento del aula, software específico, etc.)	8.81	1.28	16	8.21	1.77	414
8. Recursos web de la universidad (Aula Virtual, Entorno de Publicación Docente, MiPortal, etc.) *	8.13	1.78	16	8.60	1.51	423
9. Mecanismos de coordinación (entre la Comisión Académica del Programa de Doctorado y el profesorado, los estudiantes, la Escuela de Doctorado, la Comisión de Calidad, etc.)	8.00	1.71	18	7.81	2.30	447
10. Nivel de satisfacción general con el Programa de Doctorado	8.83	0.92	18	8.16	1.93	456

Student data – survey collection done by DP Quality Committee

PUBLIC INFORMATION AVAILABLE ABOUT THE DOCTORAL PROGRAMME
Easy and full access to the DP information available in the Web and other sites (UNIVERSITY)
Satisfaction with the public information available about the DP
TEACHING ACTIVITIES
Seminars
Courses
Stays at enterprises or external institutions
MOBILITY PROGRAM
Satisfaction with the global mobility program, public information available about the DP
Satisfaction with the reception institution
SATISFACTION WITH THE INITIALLY PROPOSED GOALS
Satisfaction with the initially proposed PhD goals
Do not hesitate to suggest any idea to improve the DP
……………………

Each question is rated as:

Excellent	Good	Fair	Bad

Researchers and Administrative staff data survey - done by DP Quality Committee

PUBLIC INFORMATION AVAILABLE ABOUT THE DOCTORAL PROGRAMME
Easy and full access to the DP information available in the Web and other sites (UNIVERSITY)
Satisfaction with the public information available about the DP
TEACHING ACTIVITIES
Seminars
Courses
Stays at enterprises or external institutions
SATISFACTION ABOUT THE DOCTORAL PROGRAM DEVELOPMENT
Satisfaction level related to the DP head, mangament and quality commitee.
Satisfaction level related to the Doctoral School
Satisfaction level related to the relationship with PhD students
Satisfaction level related to the complaint and suggestions procedure
Satisfaction level related to the available resources for the DP
Satisfaction in general with the DP
Do not hesitate to suggest any idea to improve the DP
……………………

Each question is rated as:

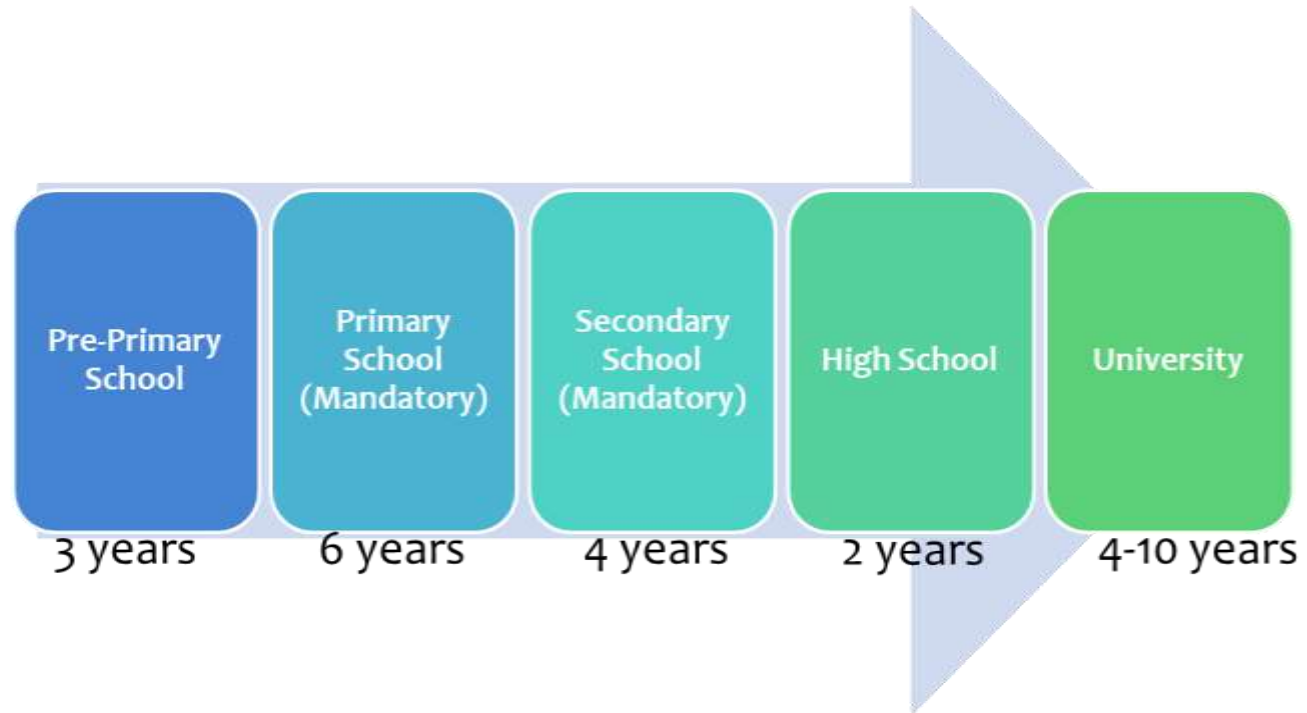| Excellent	Good	Fair	Bad

Spanish IQA of Doctoral Studies

Thank you for your attention
Alfredo GARDEL

Index

1. University of Alcala – Brief presentation
2. Structure overview
3. Grid overview
4. Procedures throughout the process
5. Monitoring
   a) Documents and reports
      1. **Monitoring report**
      2. **Improvement plan**
      3. **Goals and quality policies of DP**
   b) Information sources and data collection tools
      1. **Data from University databases**
      2. **Student data collection questionnaires**
      3. **Student data collection questionnaires**
      4. **Teaching & administrative staff data collection questionnaires**

Education Lifetime in Spain

Pre-Primary School	Primary School (Mandatory)	Secondary School (Mandatory)	High School	University
3 years	6 years	4 years	2 years	4-10 years

Completed Thesis

- **Student submits**

  Thesis document
  Positive report from the supervisors(s)
  Scientific production derived from the thesis

- **DP**

  Activities Document of the student
  Proposes panel board

- **DS**

  Designates the panel
  Agreement of panel members to participate in the defense
  Thesis international mention, 2 more reports are needed

Students apply for registration (2 deadlines/year; N max offers /year)
- **DS → Legal requirements**
  - **DP → Scientific requirements and skills**
  (best candidates with a score of more than 50)
    - ✓. *Criteria 1.* Academic Record
    - ✓. *Criteria 2.* English language proficiency
    - ✓. *Criteria 3.* Scientific production of the candidate, mobility, specialisation courses, and professional experience
  ....

Enrolled students
- **Assignment of tutor/supervisor(s)**
- **Establishment of training activities**

- **Student/supervisors deliver commitment of good practices**
- **Tutor/supervisors generate an activities document → Student, DP**
- **Student draws up the Research Plan within the first year (with collaboration of tutor/supervisor)**

Assessment

- **Tutor/supervisors submit student reports about annual activities**
- **Students submit (every year) the document of activities**
    - **A negative assessment involves re-presenting the activities within the following six months.**

Current trainings

Training activities

Trasversal (DS, DP)		Especifics (DP)	
• Seminars • Young Researchers Conferences • Research stays in companies or institutions • …….	*Example* Between 30 and 150 hours (approx.) Duration: 1 -5 days During: 1st-2nd year (pref.) Competences:CB12, CB14, B15, CA01, CA03, CA04, CA06	• Courses • Seminars and webinars" • Attendance to conferences • Mobility • ……….	*Example* Up to a maximum of 900 hours 3 to 6 months During: research period Competences: CB11, CB12, CB13, CB14, CB15 and CB16, CA02, CA03, CA04, CA05 ,…