



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

DOCTORAL
SCHOOL

UPV

UPV DOCTORAL SCHOOL: THE EXPERIENCE OF A SCHOOL MANAGED USING A STRONG INFORMATION SYSTEM

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2024 EUA-CDE ANNUAL MEETING, UPC Barcelona

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1.- Us

UPV Doctoral School

- Staff of 13 people
- 31 different doctoral programmes
- More than 2800 PhD candidates enrolled
- More than 2000 supervisors (70% UPV)
- Manage the **complete life cycle of the thesis**
- Manage the accreditation of our degrees
- Strong information system

1.- Us

Central IT service

- Design & maintenance of applications
- Internal and external development
- Data always stored in UPV servers
- Specific thesis management application

2.- Why

We rely on data because

- Data is information, and information is knowledge
- So, we know how and where we are
- Knowing how and where, we can plan
- Planning helps us achieve goals
- A goal without a plan is just a wish...
(*Saint-Exupéry*)

3.- What

What data? All data.

Candidate

- Name & ID
- Contact data
- Gender
- Age
- Nationality
- Access Studies
- Application date
- First enrolment date
- ...

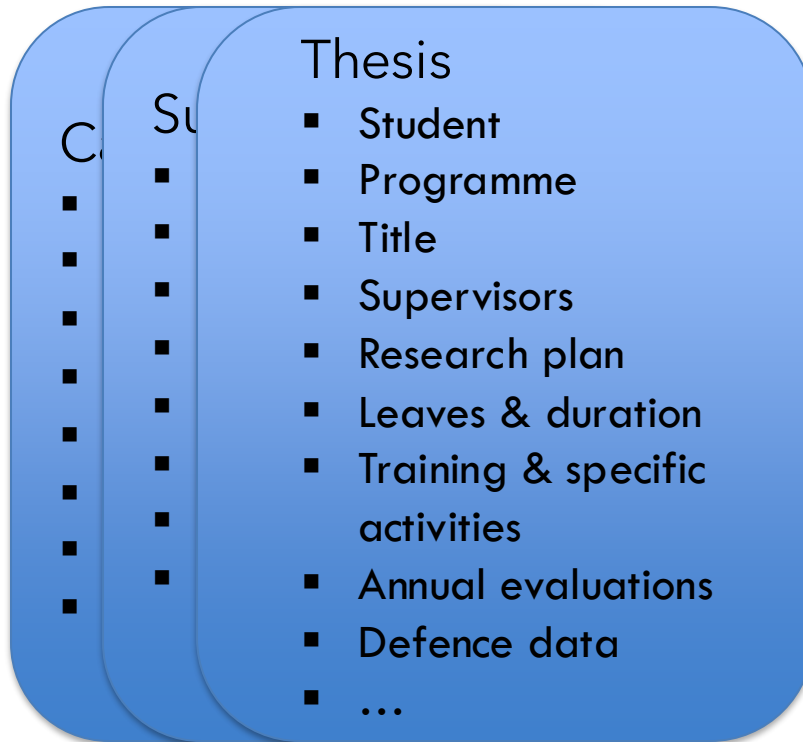
3.- What

What data? All data.

- C
- Supervisor
 - Name & ID
 - Contact data
 - Gender
 - Age
 - Nationality
 - Research structure
 - Research contributions
 - Research projects
 - ...

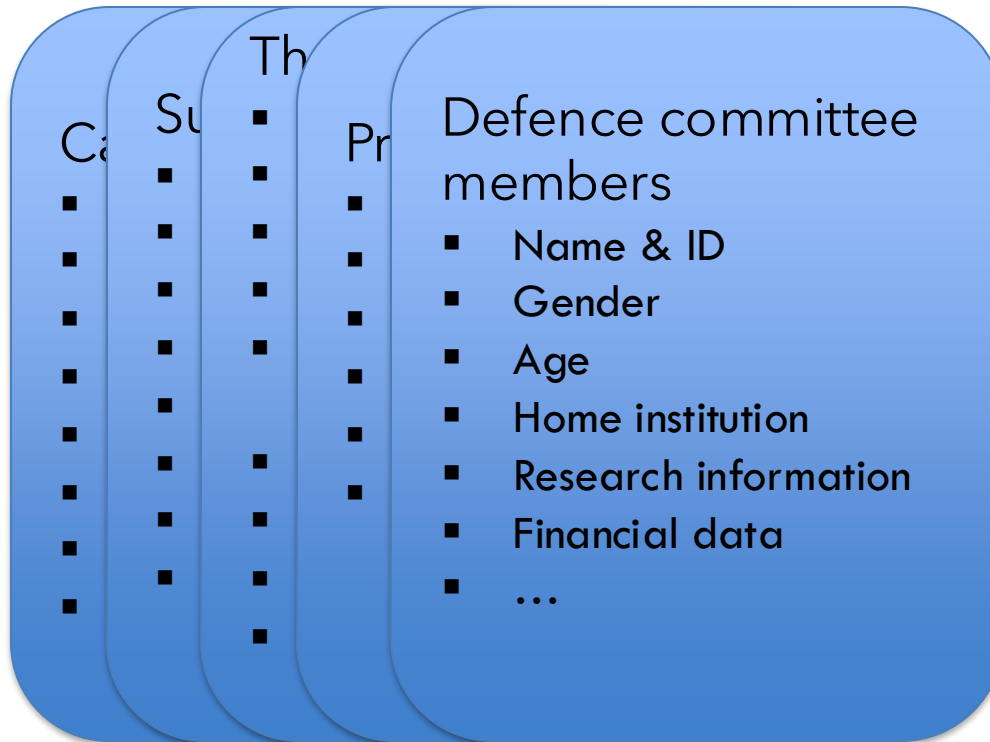
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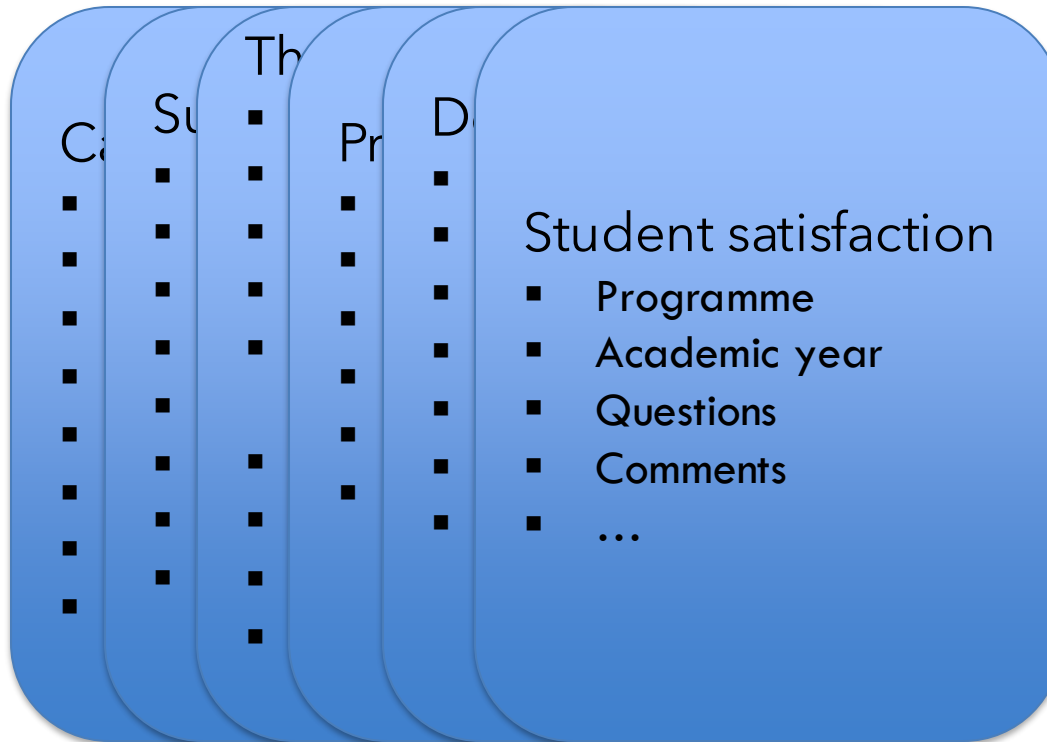
3.- What

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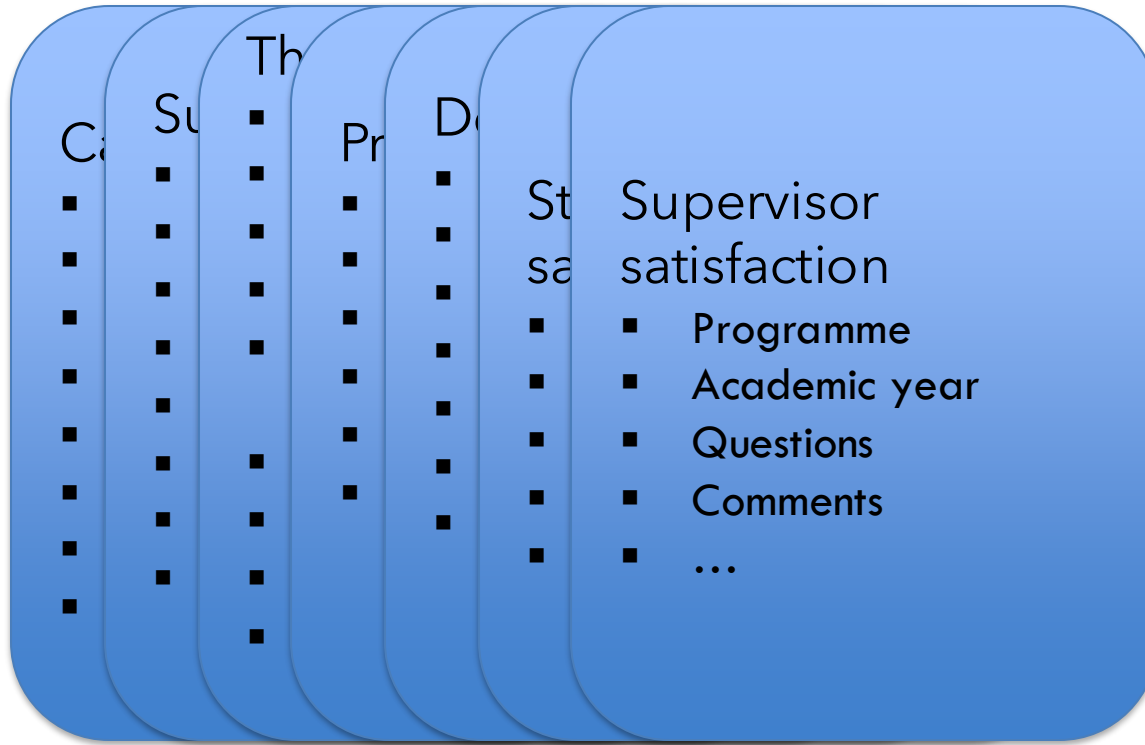
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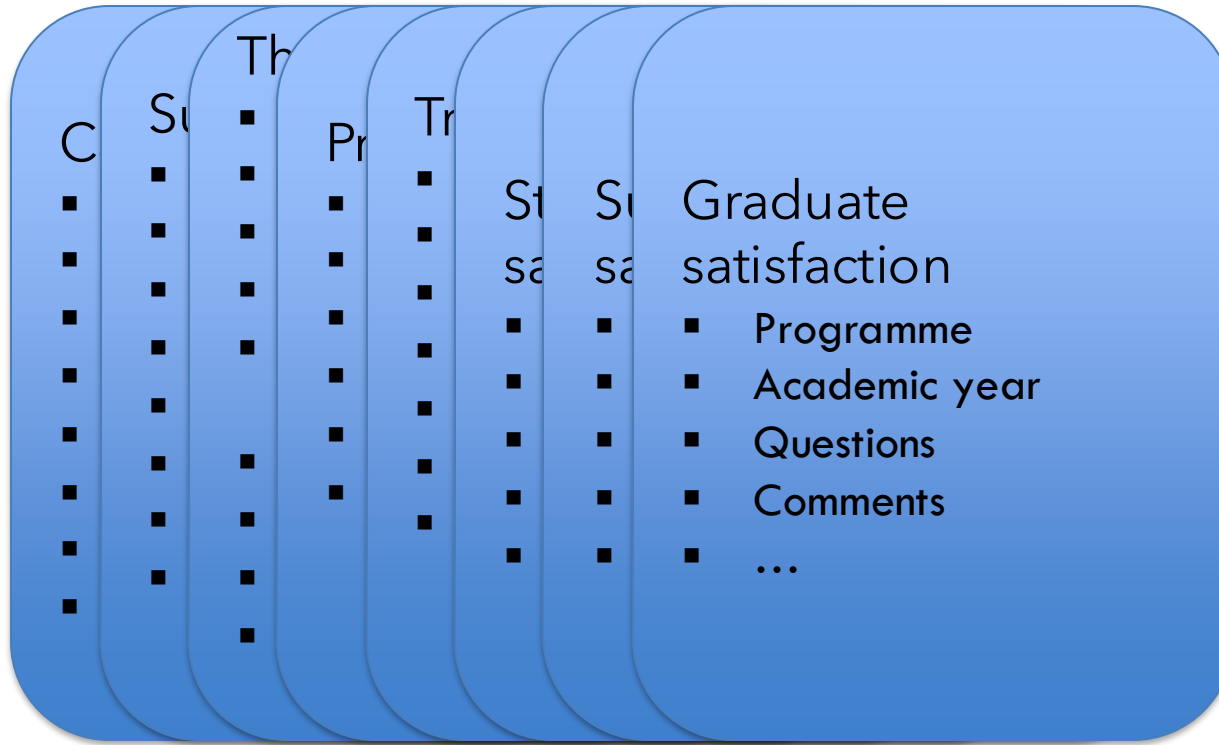
3.- What

What data? All data.



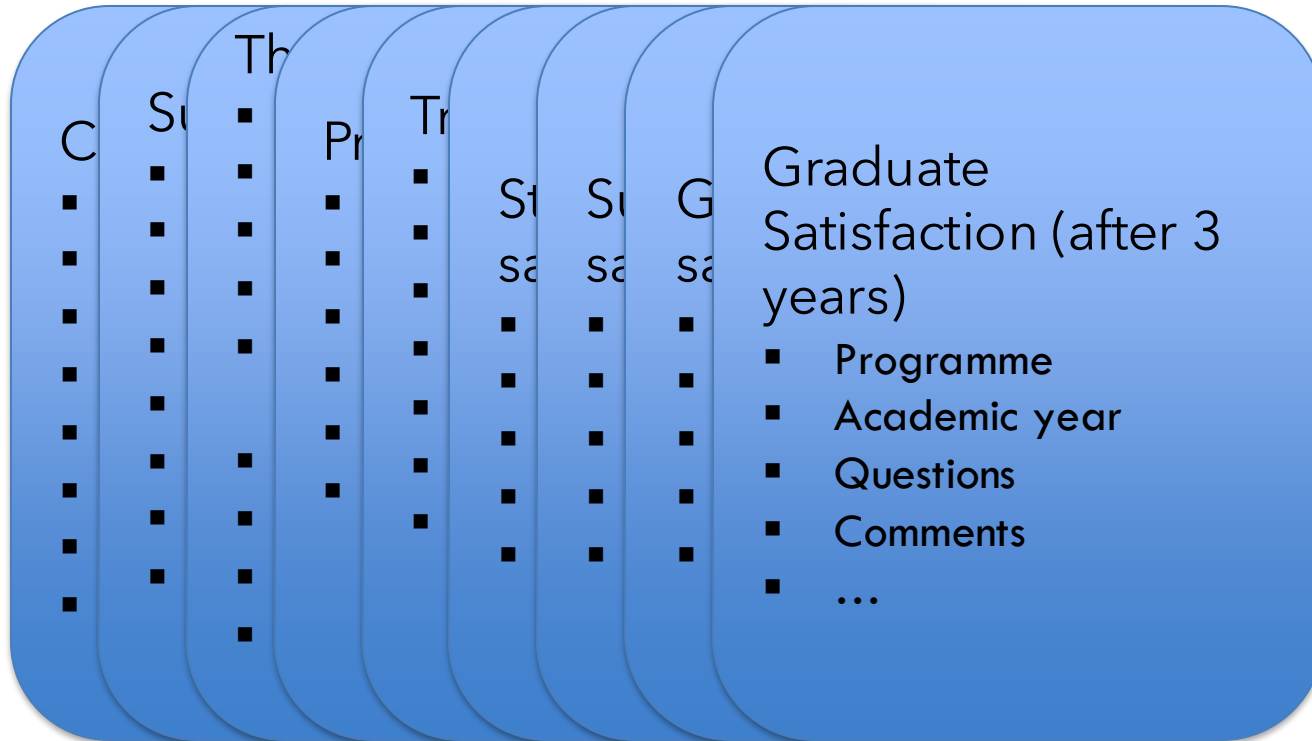
3.- What

What data? All data.



3.- What

What data? All data.



4.- How

We exploit data

- Access, tools & Knowledge
- Management tool for PhD thesis
- Mediterrània: UPV datamining platform
- Customized reports
- Direct database queries

5.- When

Whenever we need it

- In our daily work
- Government reports
- Students' annual evaluations
- Agreement renewals
- Programme monitoring
- Competitive call resolutions
- Internal Annual Quality monitoring
- Renewal of the accreditation of our programmes

6.- Some examples

Students in the field of industrial engineering⁽¹⁾, female⁽²⁾, with a predoctoral grant⁽³⁾ in the last 5 years⁽⁴⁾

The screenshot shows a software interface for data analysis. On the left, a sidebar titled 'OBJETOS DE INFORME' lists various categories with expandable arrows. On the right, a 'FILTRO DE VISUALIZACIÓN' section allows for filtering data based on specific criteria. Below the filters, a table displays the number of students in the doctorate program for each academic year from 2018 to 2022, with the total number of students.

OBJETOS DE INFORME

- Abandono S/N
- Alumno
- Ambito Upv
- Ayuda Predoctoral S/N
- CC.AA. de provincia de residencia fan
- Clase Matrícula
- Complementos de formación S/N
- Continente Doctorado
- Cotutela S/N
- Curso Académico
- Curso de Ingreso en UPV
- Curso inicio doctorado
- Decreto
- Dedicación
- Dedicación doctorado
- Director externo S/N
- Director internacional S/N
- Director interno S/N
- Director interno UPV S/N
- Equipo

FILTRO DE VISUALIZACIÓN T+ Agregar condición

- Sexo En la lista (MUJER)
- Ambito Upv En la lista (INGENIERÍA INDUSTRIAL)
- Ayuda Predoctoral S/N En la lista (S)
- Curso Académico En la lista (2022, 2021, 2020, 2019, 2018)

Curso Académico Indicadores N° de alumnos de doctorado

Curso Académico	N° de alumnos de doctorado
Total	363
2022	71
2021	80
2020	79
2019	69
2018	64

6.- Some examples

Academic indicators for accreditation renewal

ACADEMIC INDICATORS	2022/2023	2021/2022	2020/2021	2019/2020	2018/2019
New seats available	50	50	50	50	50
Applications received	30	30	27	34	36
New students enrolled	19	25	19	17	24
Total number of students enrolled	106	114	118	117	123
Students from other universities	11	10	10	12	5
Students enrolled part-time	23	24	31	31	32
Students with complementary training	5	4	5	4	6
Students research line 1	11	8	8	8	7
Students research line 2	3	5	6	6	7
Students research line 3	18	22	23	26	25
Students research line 4	2	4	3	3	5
Students research line 5	15	14	14	17	22
Students research line 6	21	19	20	17	19
Students research line 7	19	19	16	15	12
Students research line 8	17	23	28	25	26

6.- Some examples

Academic indicators for accreditation renewal

ACCADEMIC INDICATORS	2022/2023	2021/2022	2020/2021	2019/2020	2018/2019
Average duration full-time (years)	3,89	4,78	4,32	4,56	4,23
Drop-out rate			5%	0%	8%
Theses defended	18	18	20	15	18
Theses defended full time	11	13	16	11	16
With cum laude mention	11	11	11	8	15
With international mention	7	4	9	5	7
With cotutelle	0	0	1	0	1
With industrial mention	3	0	1	0	1

Thank you for your
attention

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