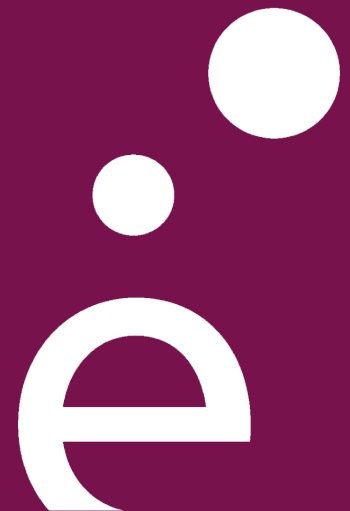




Information Meeting Réunion d'Information

December, 16th 2015



Welcome to STIC DS

Bienvenue à l'ED STIC



Organization of the Afternoon

1:00 – 1:30	Welcome & Coffee
1:30 – 2:30	General presentation of the STIC doctoral school
2:30 – 3:15	<i>Discussion</i>
3:15 – 3 :45	Coffee Break
3:45 – 4:15	Training
4:15 – 4:45	<i>Discussion</i>
4:45 – 5:00	Welcoming PhD student representatives
5:00 – 6:00	<i>Discussion</i>

Welcome to STIC DS / Bienvenue à l'ED STIC



GENERAL PRESENTATION

ENVIRONNEMENT

SCIENTIFIC AND FUNCTIONAL ORGANIZATION

What ? Who ? Where ?

PREPARING YOUR PHD AT ED STIC

~~Before~~ ? During ? After ?

Your Environment



- Paris Saclay University
 - creation in September 2015
 - 18 institutions : Universities, Grandes Ecoles, Research Institutions
 - Education** **Research & Innovation**
 - one the challenges : doctoral studies
 - 20 Doctoral Schools
 - Physics, Mathematics, EOBÉ, ABIES, SHS, ... and

ED STIC



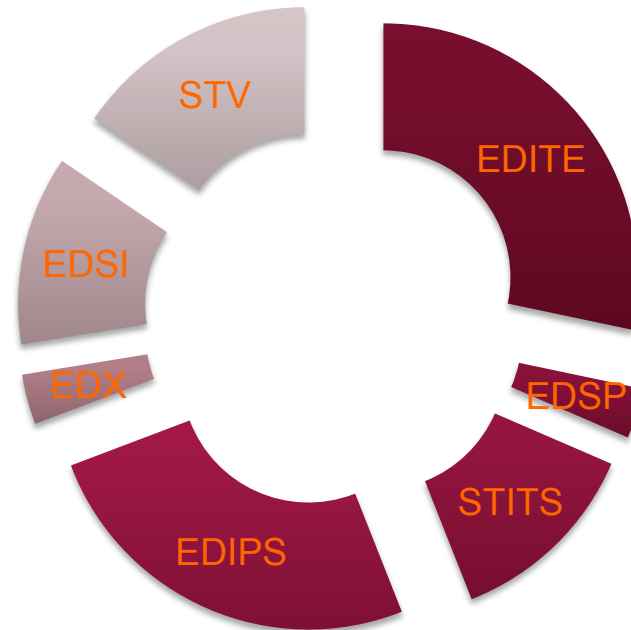
Sciences and Technologies of Information and Communication

see STIC DS's scientific scope

Your Environment



7 Doctoral Schools



Your Environment

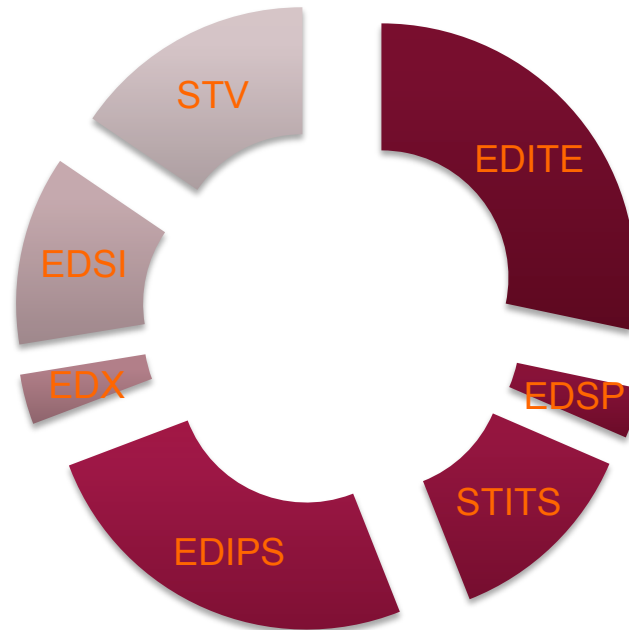


7 Doctoral Schools

3 Universities
5 Grandes Ecoles

3 Research Organizations

IRT SystemX



UEVE
UPSud
UVSQ

CentraleSupélec
Ecole Polytechnique
ENS Cachan
Télécom ParisTech
Télécom SudParis

CEA
CNRS
INRIA

Your Environment



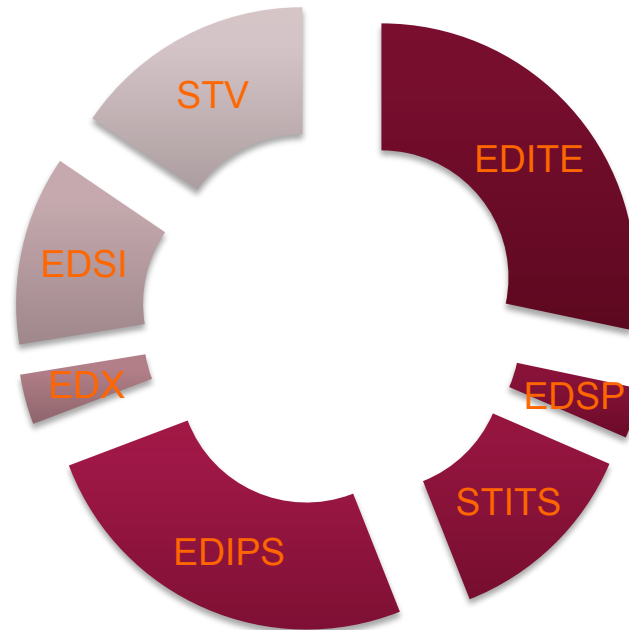
7 Doctoral Schools

3 Universities
5 Grandes Ecoles

3 Research Organizations

IRT SystemX

13 Research Labs
12 Research Teams



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INRIA

E3S IBISC INRIA-SIF L2S LIMSI LISV LIX LRI LSV LTCI PRISM SAMOVAR

Your Environment



3 Universities
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Your Environment



PHD STUDENT
Starting a Research Career
Student -- Professional

Your Environment



3 year
Research
Project

PHD STUDENT
Starting a Research Career
Student -- Professional

Doctoral
Education

Your Environment



Scientific Supervisor
& co-supervisor

3 year
Research
Project

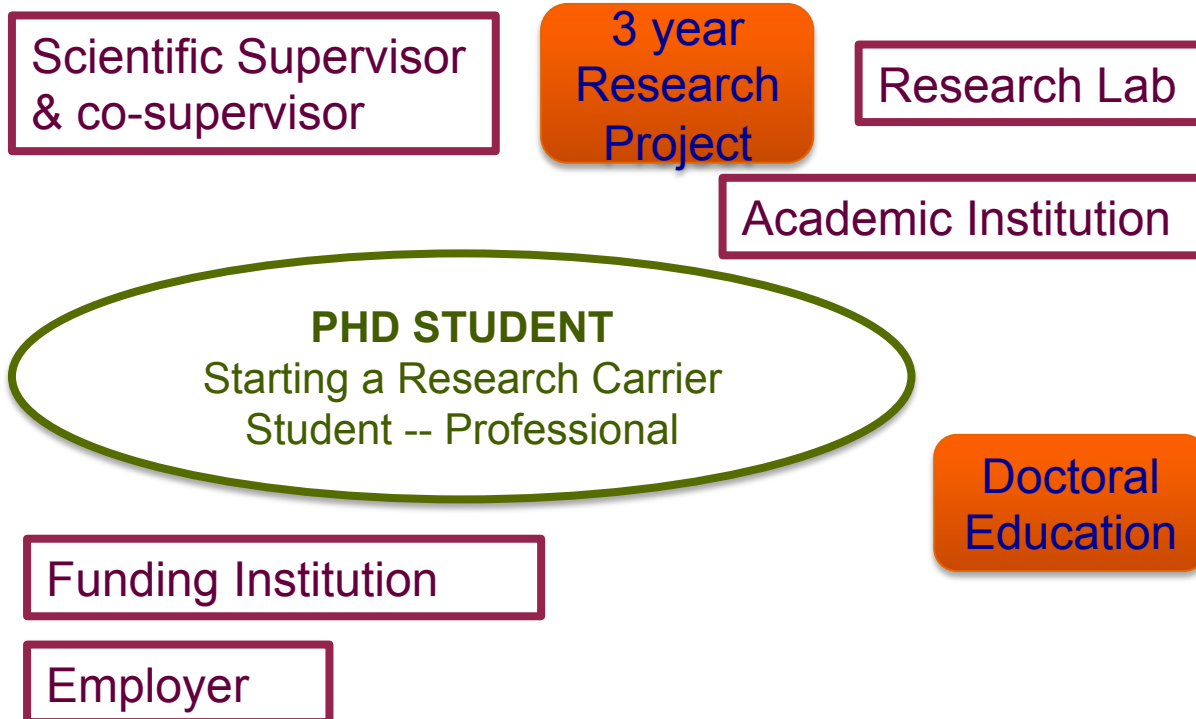
Research Lab

Academic Institution

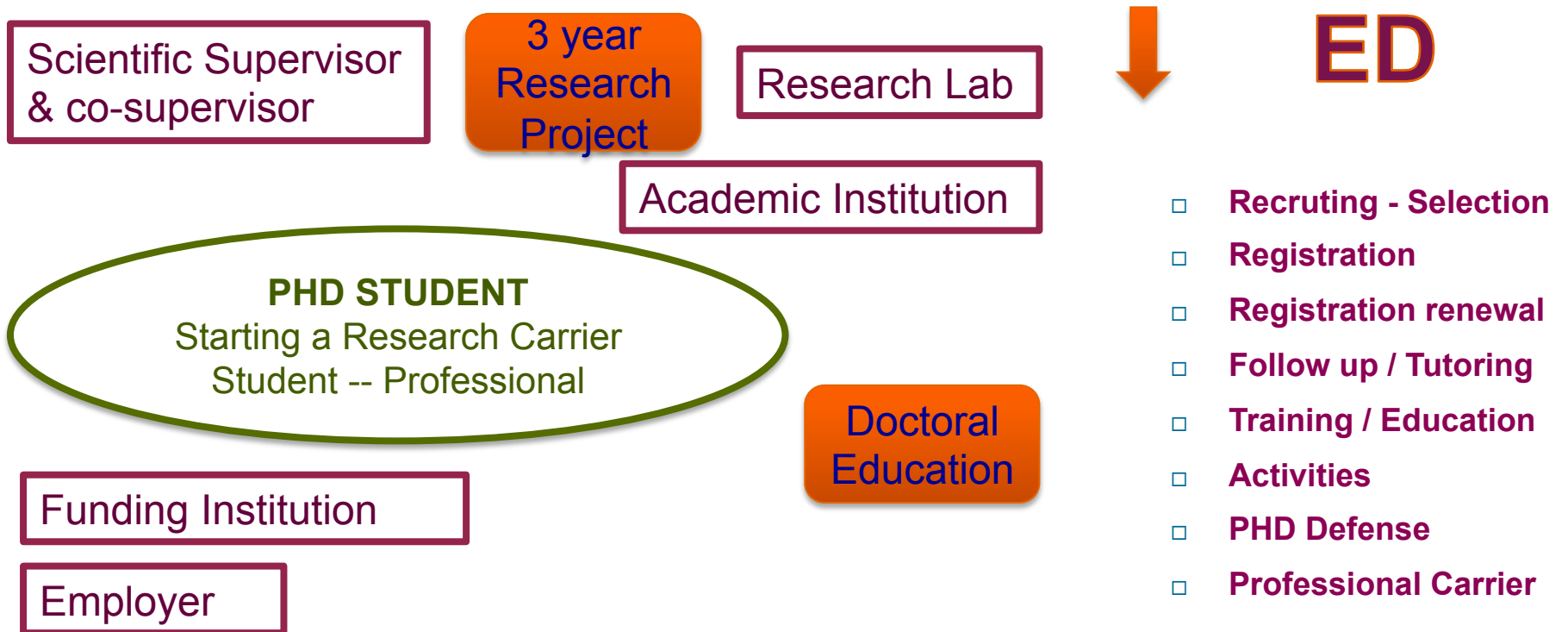
PHD STUDENT
Starting a Research Career
Student -- Professional

Doctoral
Education

Your Environment



Your Environment



PHD Student core activity



Research (advancement of general knowledge & technology) on **a focused project**

- **Gain critical knowledge and professional expertise**
 - » Study the state of the art
 - » Seminars, courses, summer schools
- **Produce new knowledge & technology -**
 - » Right questions in complex situation !
 - » Develop your ideas, prove they are correct
 - » experimentations, validations
- Communication, **Defend & Disseminate your ideas**
 - » publications (**quality better than quantity**) , presentations, visiting colleagues
 - » requirement for the defense : aqt least ONE international publication in a selective venue

PHD Student Education Training



Goals of Doctoral Education & Training

- Supporting your research activity
- Providing tools to build your professional carrier

Requirements at ED STIC

- 50 / 50

Presentation after coffee break

Hanna Klaudel, Professor at UEVE

Deputy Director, Doctoral Training Consultant

Other Activities / Missions Hors Recherche

- Teaching
- Scientific & Technical information dissemination
- Valorisation
- Expertise

PHD : a 3 years project



A very tight timing

Duration of PhD : 3 years . . . 3 years & 3 months

Warning : defense before mid Dec. of year Y for applying on assistant professor positions of year Y+1

4th year

- » specific authorization from ED, interview
- » financial support required,
- » residence permit renewal

5th year ? NO

△ statistics Average duration : 42 months

Duration less than 40 months : 42 %

To be improved wrt government regulations

PHD : a 3 years project



Many things to do

Experimental work, Software development,
Publications, training, teaching, ...

- Have **a roadmap** ... to check and revise at least once a year !
 - » Research & Training
- Be **autonomous** but get help (supervisor) and collaborate (team)
- Be **well-organized**
 - » Some periods are more productive than others
 - » Do not waste time !

2,5% of the PhD students (too many) stop before their defense !

In case of (any kind of) difficulties get in touch with the DS as early as possible !

Following up (tutoring) PHD student activities



Registration Renewal

-- Yearly Milestone

- Progress Report
 - » Research
 - » Training
- Next Year program
- Auto-evaluation
- Meeting your tutor (June-July)

In case of (any kind of) difficulties get in touch with the DS as early as possible !

Mid-term evaluation

-- Major Milestone

- a closer examination by an evaluation committee with 2 external members
- scientific report (10 pages / article) + future work + professional project
- public presentation & private discussion with the committee

Your Environment



3 Universities
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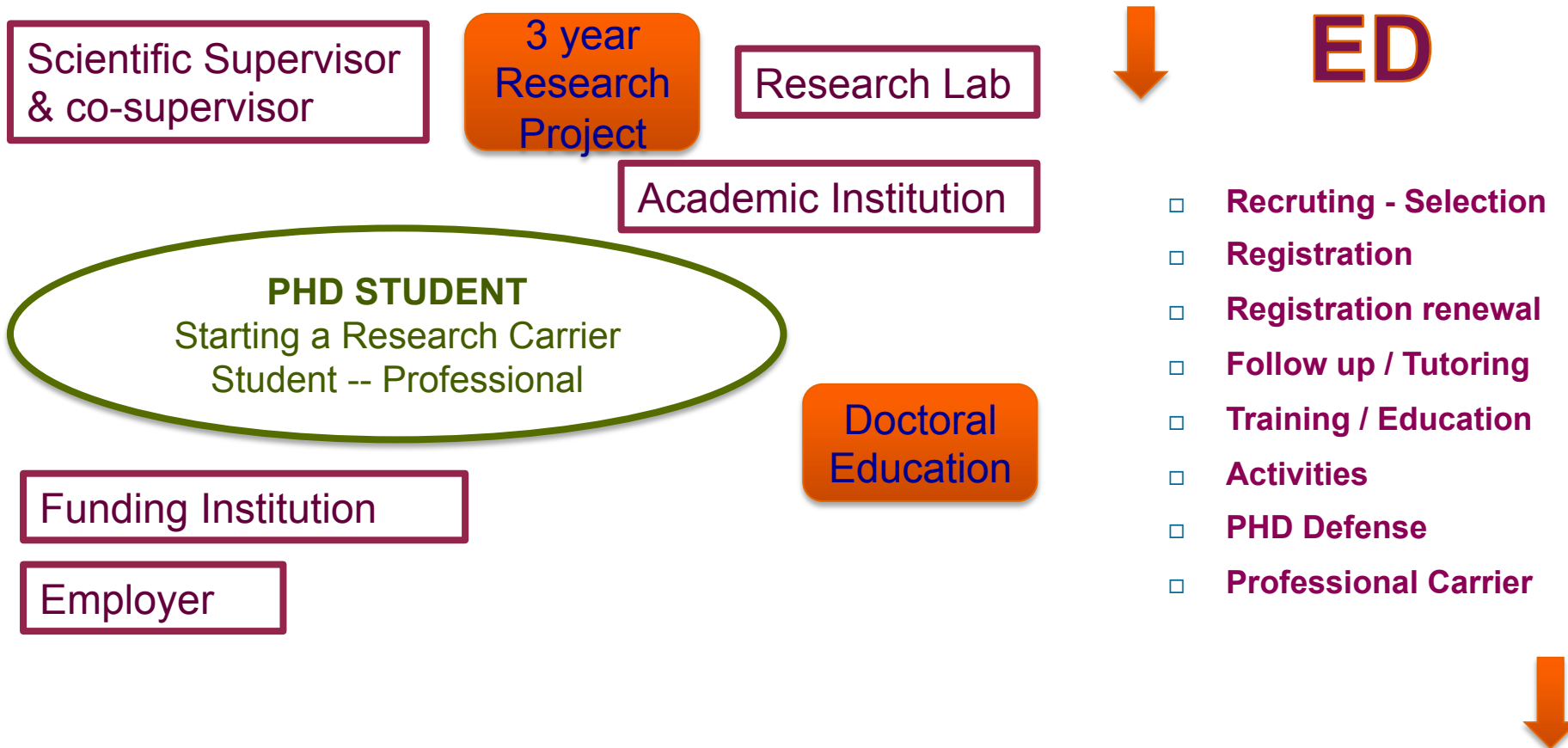
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Back to Environment



STIC Doctoral School organization



SCIENTIFIC DOMAIN BASED ORGANIZATION

4 Scientific Clusters / 4 pôles

- **Control, Signal Processing, Image Processing, Robotics**
- **Networks, Information and Communications**
- **Data, Knowledge, Machine Learning and Interactions**
- **Programming : models, algorithms, languages, architecture**

Each PhD Student belongs to ONE cluster

WHAT pôle ?

Each supervisor belongs to ONE cluster

GEOGRAPHICALLY DISTRIBUTED ORGANIZATION

STIC Doctoral School organization



Scientific Cluster governance

DIRECTOR
Committee

ASSISTANT

WHO is my assistant ?

EVERY STEP of PHD is MONITORED BY YOUR CLUSTER through ADUM

recruting – selection, registration, ... , training

Exactly the same rules for each cluster !

ONE COMMON TOOL : ADUM is an Information System

(650 registrations in 2,5 months)

Keep the information / data up-to-date

Profile ?

COMMUNICATION : Paris Saclay Web Site

<https://www.universite-paris-saclay.fr/fr/formation/doctorat/sciences-et-technologies-de-linformation-et-de-la-communication-stic-0>

STIC Doctoral School organization



Management Team

1 director, 7 deputy directors (1 for each cluster + Training + International + Industry)

Control, Signal Processing, Image Processing, Robotics

Françoise Lamnabhi-Lagarrigue DR CNRS – CentraleSupélec

Assistant : Anne Batalie – CentraleSupélec

Networks, Information and Communications

Alain Sibille PR – IMT

Assistant : Florence Besnard – TPT

Data, Knowledge, Machine Learning and Interactions

Anne Vilnat PR – UPSud

Assistant : Stéphanie Druetta – UPSud

Programming : models, algorithms, languages, architecture

Dominique Barth PR – UVSQ

Assistant : Véronique Delahaye – UVSQ

STIC Doctoral School organization



Management Team

Training

Hanna Klaudel, PR – UEVE

International Affairs

Benjamin Doerr , PR – Ecole Polytechnique

Welcoming foreign PhD Students

Fostering visits in foreign labs for PhD Students

Industry

Véronique Vèque PR – UPSud

preparing PhD Students to join the industry

specific programs like **EIT Digital Doctoral School** (DTC in Paris)

Director

Nicole Bidoit-Tollu PR – UPSud

Strong Recommendations



MAIN CONTACTS

- **Your supervisor is a guide**
assist you in your research project
advise you on many topics
provide you with a network of relationships in academia, industry
- **The Doctoral School – Your POLE !**
procedures, support training, problem solving

Weekly supervisory meetings are the best pattern

Read carefully the mail from Adum and from the doctoral School

Proceed to request ASAP and at least on TIME !

Please contact us ASAP in case of a problem

BE CAREFULL to take care of your employer, working organization rules !

publications, confidentiality

registration deadlines, training, defense deadlines . . .

traveling, sick leave, vacations, office hours . . .



ENJOY YOURSELF !

DOING RESEARCH

DEVELOPPING EXPERIENCES

TRAVELLING TO CONFERENCES

VISITING RESEARCH TEAMS AROUND THE WORLD and in COMPANIES !

FOCUS ON YOUR GOALS !

Read carefully the mail from Adum and from the doctoral School

Proceed to request ASAP and at least on TIME !

Please contact us ASAP in case of a problem

Many things that hav'nt been addressed



- **After the PHD ?**
 - next meeting
- **Social PHD life ?**
 - representatives
 - Phd student organizations
 - Scientific organisations
- **Events**
 - PHD seminars / poster presentations / industrial meetings
 - PhD **student** prizes
 - **UPSay Graduation Ceremony**

QUESTIONS ?



PhD Student Representative



- At the level of the Pôle
 - attend recruiting committee
- At the level of the **DS Board**
 - part of the DS Board

Pôle 1	Maria BEKCHEVA	L2S	1 ^{ère} an.
Pôle 2	Iyad LAHSEN-CHERIF	L2S	3 ^{ème} an.
Pôle 3	Rashedur RAHMAN	LIMSI	2 ^{ème} an.
	Maria ROSSI	LIX	2 ^{ème} an.
Pôle 4	Mattias ROUX	LRI	1 ^{ère} an.