

# Welcome day of Sciences and Engineering DS

November 16<sup>th</sup>, 2020



## PROGRAM

1. Corporate presentation
2. The key steps of the PhD thesis
3. The doctoral training
4. Services to guide you

# 1. CORPORATE PRESENTATION

# CY Cergy Paris Université

An ambition: **CY Cergy Paris University is on the map of excellence in education and high-level research and aims to become one of the top 200 universities in the world by 2030 by reorganizing its academic power with an undergraduate college (CY Sup) and five graduate schools (CY Tech, CY Arts and Humanities, CY Education, CY Law and Political Science, ESSEC Business School).**

A VISION That of a university that is rich in diversity, and has both a societal focus and an international standing.

MISSION To enable new generations to tackle the complexity of the world from a sustainable perspective through the training it offers and the research it undertakes.

ITS COMMITMENT *Design your life*, To prepare students, who represent the futur, using three-pronged approach combining the campus life experience, active and comitted teaching and a strong international outlook.

24 000  
Students





1800  
Collaborators

1000  
Searchers

9  
Studies  
Departments

5  
Garduate  
schools

## 5 GRADUATE SCHOOLS

				<b>MANAGEMENT</b>
<p>Sciences et Engineering DS</p> <p>Economy Management Mathematics Physics et Computer sciences DS</p> <p>LPPI LERMA LCB LAMBE ERRMeCE L2MGC LPMS SATIE GEC</p> <p>THEMA AGM ETIS LPTM</p> <p>EBI, ECAM-EPMI, ISIPCA, SUPMECA, ENSEA, ESSEC</p>	<p>Arts, Humanities, Social Sciences <b>EDAHS</b></p> <p><i>EUR Humanités, Creation&amp;Patrimoine</i></p> <p>AGORA LT2D MRTE LARA LéAV LAREP</p> <p>ENSAPC, ENSAV, ENSP, INP</p>	<p>Law et political science DS <b>EDDSP</b></p> <p>LEJEP CPJP CESDIP</p>	<p>Education didactic and cognition DS <b>EDEDC</b></p> <p>EMA LDAR PARAGRAPHE BONHEURS</p> <p>ILEPS, EPSS, INSPE</p>	<p>ED EM2PSI ESSEC</p>

24 laboratories / 13 institutions



CY Cergy Paris University (France)  
**Göteborg University (Sweden)**  
**Warwick University ( UK)**  
**Vrije Universiteit Brussel (Belgium)**  
**Pompeu Fabra University (Spain)**  
**Ljubana University ( Slovenia)**

<https://eutopia-university.eu/>

EUTOPIA Weeks

EUTOPIA Student  
Ambassador

EUTOPIA  
Researchers  
Mobility  
Program

EUTOPIA SIF  
Fellowship  
Program

EUTOPIA PhD  
Cotutelle  
Program

# Research

## INTERNATIONAL

Institute for advanced studies  
Maison Internationale de la Recherche  
European alliance EUTOPIA  
The Paris Seine Initiative

## PARTNERSHIP

Open Lab's  
Fondation des sciences du  
patrimoine  
Private/Public

## TRANSDICIPLINARY RESEARCH TOPICS

- Finance, business and economic modelling
- Heritage and creation
- Cosmetic and luxury
- Smart territories, mobility, energies
- Criminality, security, society.

## THE ACTORS

- 914 Teachers-Researchers / Researchers (185 HDR)
- 107 Post-Doctorants
- 519 Doctoral students
- 134 Support staff



## RESEARCH STRUCTURES

5 thematic areas/24 laboratories/  
7 platforms/3 federations

- Engineering Sciences
- Economics, Business, Law and Politics
- Humanities, Arts and Education
- Experimental and Modeling Sciences

## DIRECTION DE LA RECHERCHE

Director : Arnaud Boissière  
Deputy director: Adeline Desplan

## CY COLLEGE DOCTORAL ET POSTDOCTORAL

Directorate: Julie Amiot-Guillouet

### DOCTORAL STUDIES SERVICE

Manager: Perrine Elshawish  
Training and events coordinator : Emmanuelle Travet  
Administrator EDAHSS: Bouchra Elmanei  
Administrator ED SI / EDDSP: Bogart Gustave  
Administrator EDED / EDEM2PSI: Asmaa Aderdour

ADMINISTRATION & MANAGEMENT SERVICE  
Manager: Adeline Desplan

INTELLECTUAL PROPERTY AND VALORISATION SERVICE  
Manager: Blandine Lavoillote

PROJECT ENGINEERING SERVICE  
Manager: Isabelle Hoefkens

### ARTS HUMANITIES SOCIAL SCIENCES DS

Director: François Pernot  
*EUR Humanité Création Patrimoine*  
Executiv directorateEUR: Christelle Ventura

### SCIENCES ET ENGINEERING DS

Directorate: Sophie Cantin

### ECONOMICS, MANAGEMENT, MATHEMATICS, PHYSICAL, COMPUTER SCIENCES DS

Director: Gabriel Desgranges

### LAW AND POLITICAL SCIENCE DS

Directorate: Céline Roynier  
Deputy directorate: Sophie Nadal

### EDUCATION DIDACTIC COGNITION DS

Director: Benjamin Moignard  
Deputy director: Emmanuel Rollinde  
Deputy directorate: Evelyne Clément



Your contacts– Doctoral college: <https://www.collegedoctoral.u-cergy.fr/>



Head of Sciences and  
Engineering Doctoral School  
Sophie CANTIN  
[Sophie.cantin-riviere@cyu.fr](mailto:Sophie.cantin-riviere@cyu.fr)  
Tél. : 01 34 25 70 06  
Site de Neuville, Building D, office 328



DOCTORAL COLLEGE DIRECTOR  
Julie AMIOT-GUILLOUET  
[julie.amiot-guillouet@cyu.fr](mailto:julie.amiot-guillouet@cyu.fr)



Head of doctoral studies service  
Perrine ELSHAWISH  
[perrine.elshawish@cyu.fr](mailto:perrine.elshawish@cyu.fr)  
Tél. : 01 34 25 72 26  
Site des Chênes, Jardin tropical, office 107

ADMINISTRATOR OF SI AND DSP  
DOCTORAL SCHOOLS  
Bogart GUSTAVE  
[eds@ml.u-cergy.fr](mailto:eds@ml.u-cergy.fr)  
Tél. : 01 34 25 67 44  
Chênes, jardin tropical, office 108

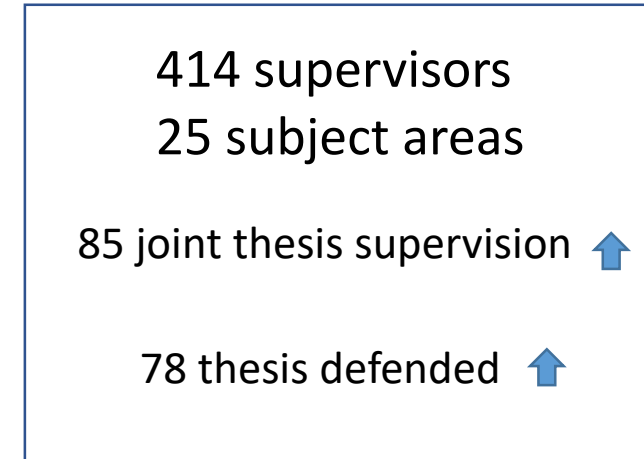
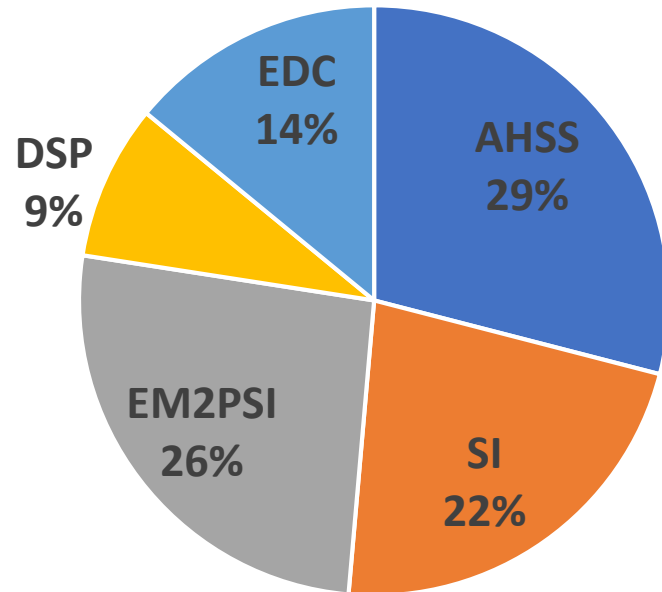
TRAINING AND EVENTS COORDINATOR  
Emmanuelle TRAVET  
[emmanuelle.travet@cyu.fr](mailto:emmanuelle.travet@cyu.fr)  
Tél. : 01 34 25 63 43  
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@CYU



TEAMS : Create an account education Teams  
<http://www.microsoft.com/fr-fr/education/products/office>

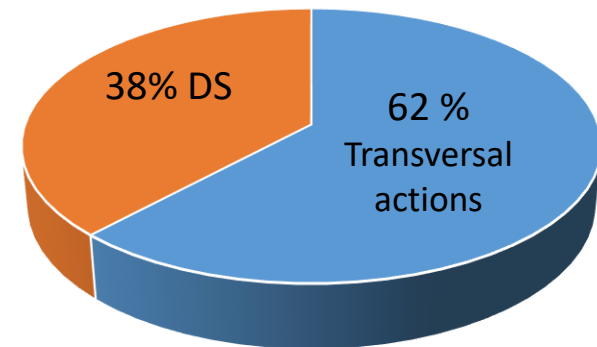
## 546 Doctoral students



Budget 2019 = 93 200€ (170€ / doctoral student)



64 trainings (without scientific trainings)  
600 trained people  
77% satisfied



## Sciences and Engineering Doctoral School (SI Doctoral School)

### 10 research laboratories in Experimental sciences

**Physics** : LPMS and LERMA  
LAMBE

**Chemistry** : LPPI , Biocis

**Biology** : ERRMECe ,

**Geosciences** : GEC

**Civil Engineering**: L2MGC

**Electrical Engineering**: SATIE

**Applied electronics, mechanics, mechatronics** : QUARTZ

In 2019 – 2020:


- 137 researchers attached to SI Doctoral School, including 63 HDR
- 96 thesis supervisors attached to the SI Doctoral School, including 55 HDR
- 121 PhD students enrolled
- 21 thesis defended in 2019

## SI Doctoral School Board

### Elected students

#### 20 members including:

- 10 laboratory directors
- 2 BIATSS
- 4 PhD students
- 4 external members

- 
- Amel HOUAOUI : amel.houaoui@u-cergy.fr
  - Carine LAURENT-ISSARTEL : carinelaurent@orange.fr
  - Hadjer OULDALI : hadjer.ouldali@gmail.com
  - Abdelaziz HASNAOUI : abdelaziz.hasnaoui@u-cergy.fr
  - Rony BARBOUX (alternate member) : rony.barboux@u-cergy.fr

### PhD student election in March

#### Bureau

François Dulieu (LERMA), Nicolas Wilkie-Chancellier (SATIE), Sophie Cantin (LPPI)

#### → At least 3 meetings/year

Next meetings : November 27<sup>th</sup> 2020; april 9<sup>th</sup> 2021; June 25<sup>th</sup> 2021

## Doctorants représentants



Amel Houaoui  
[amel.houaoui@cyu.fr](mailto:amel.houaoui@cyu.fr)

ERRMECE



Carine Laurent-Issartel  
[carinelaurent@orange.fr](mailto:carinelaurent@orange.fr)

ERRMECE



Hadjer OULDALI  
[hadjer.ouldali@gmail.com](mailto:hadjer.ouldali@gmail.com)

LAMBE

PROCHAINES ELECTIONS EN JANVIER 2021



## Roles and responsibilities

### **The Doctoral College and the Doctoral School:**

- Ensure good financial, material and environmental conditions
- Contribute to the scientific exchanges between the DS laboratories and external researchers (conferences, mobility)
- Provide a training program
- Promote and follow the professional integration of the PhD students

### **The laboratory director :**

- Contributes to the scientific and material integration of the PhD student
- Is the referent person for the organization of the thesis committees
- Is the first person to contact in case of conflict

## Roles and responsibilities

### **The supervisors :**

- Define the objectives and work schedule
- Accompanies the thesis work of the PhD student
- Organize regular meetings
- Ensure the dissemination of the research results
- Is concerned with the professional career of the PhD student

### **The PhD student :**

- Implements all the means required to complete the thesis project
- Regularly informs his/her supervisors of the research results and possible difficulties
- Produces written documents (laboratory notebook, reports...)
- Follows the formations proposed by the Doctoral College

## 2. THE KEY STEPS OF THE PHD THESIS

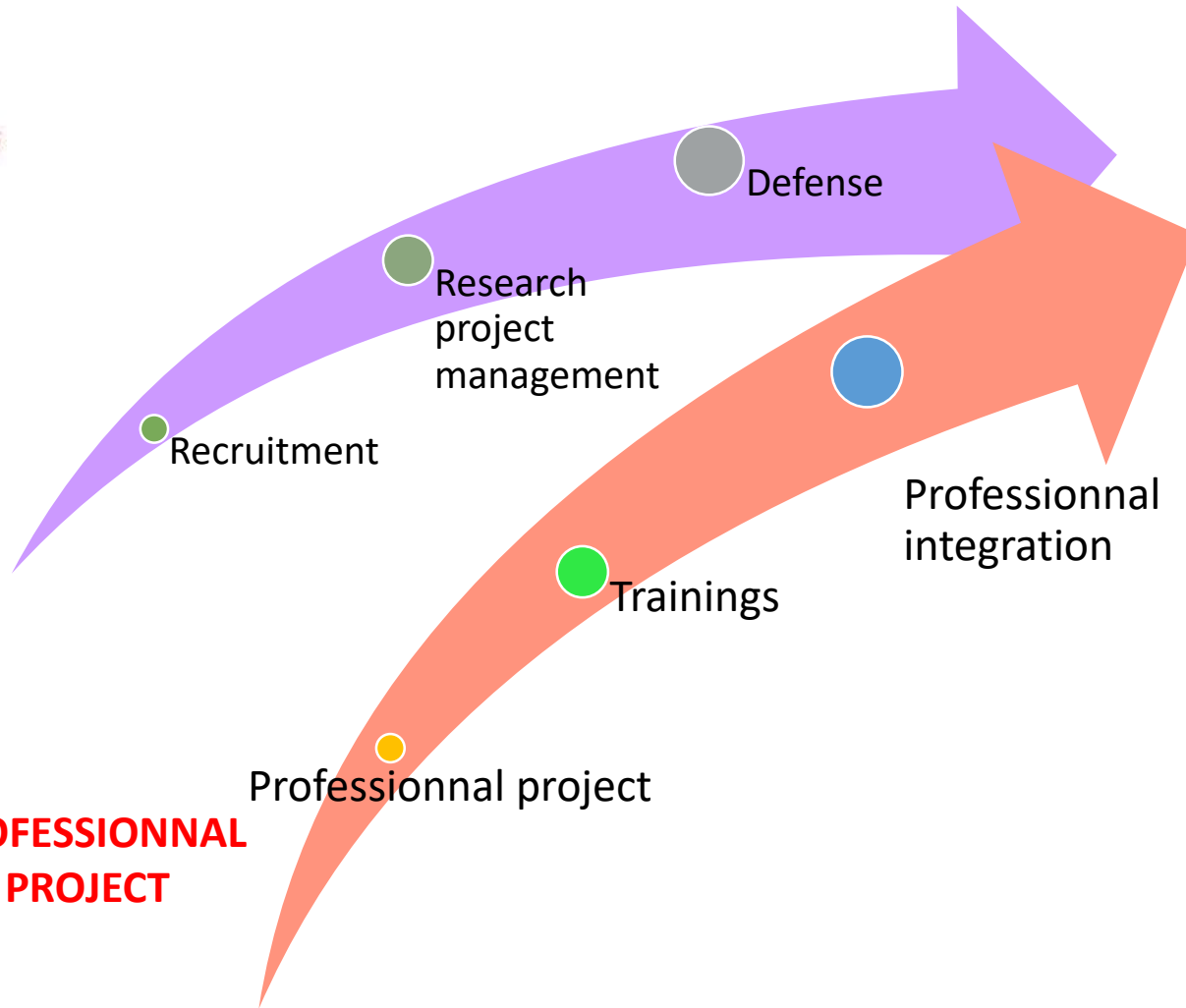




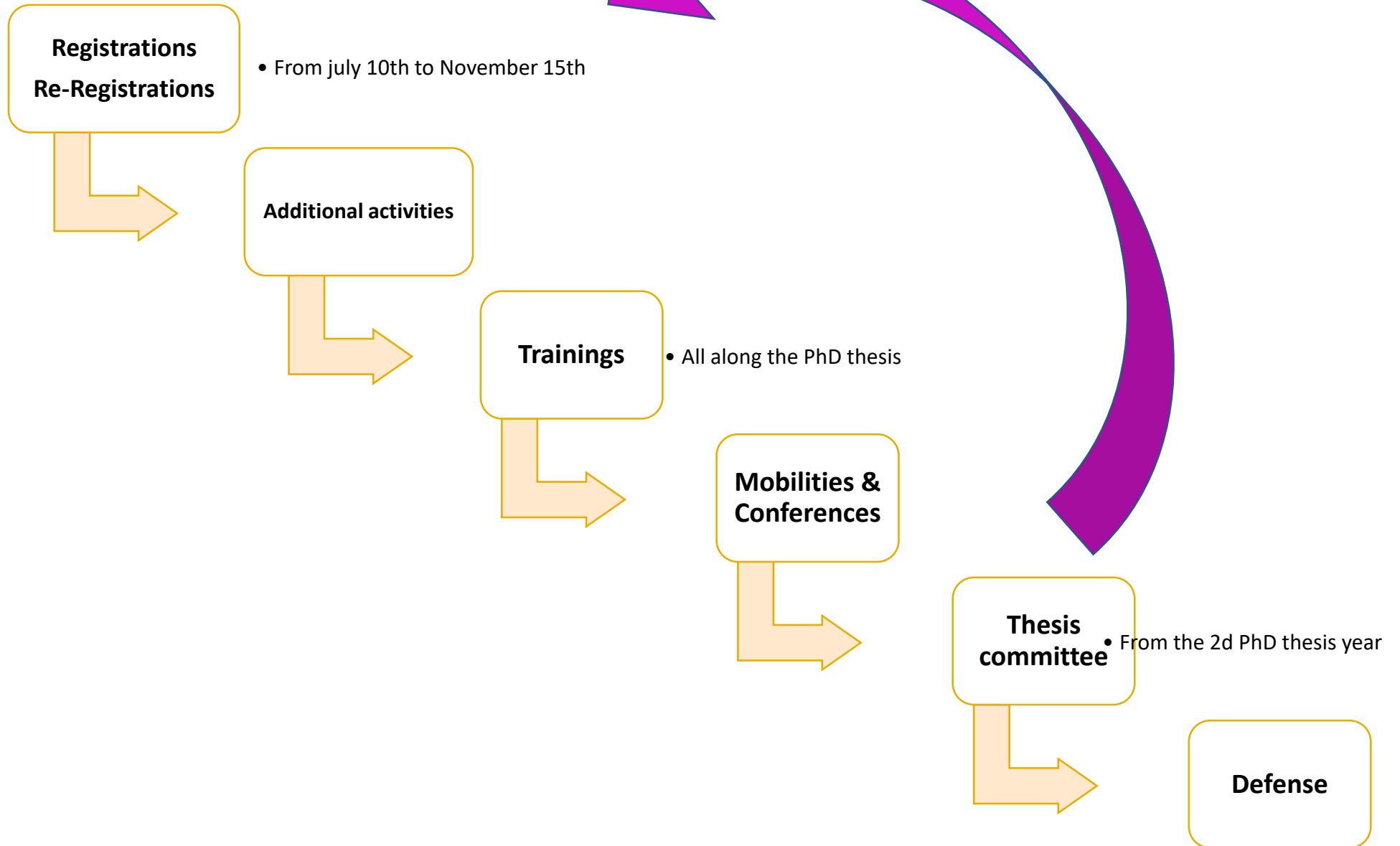
# 1. THE THESIS PROJECT

**RESEARCH  
PROJECT**

**PROFESSIONAL  
PROJECT**



## 2.The key steps of the PhD thesis



## 2.1 The key steps of the PhD thesis

### Registration

**In 2<sup>d</sup> or 3<sup>rd</sup> year : july to october 15<sup>th</sup>**

Doctoral contract : before september 15<sup>th</sup>

Other : before october 15<sup>th</sup>

**4<sup>th</sup> year or more (not recommended) : before october 15<sup>th</sup>**

### Thesis committee

**Mid-term committee : - before july 31<sup>th</sup> of the 2d year (required for registration in the 3rd year)**  
**- to be organized by the thesis supervisor**

**Credits : 2.5 ECTS**

**Committee members : - an external referee (designed by the thesis supervisor)**

**- one representative of the Doctoral School**

**+ supervisors and laboratory director**

#### • **Objectives:**

- To check on the progress and scientific quality of the thesis' work
- To ensure that the PhD thesis goes smoothly (supervising, work environment)
- To ensure the dissemination of the research results (articles, conferences)
- To discuss the professional project

## 2.2 The key steps of the PhD thesis

### □ Mid-term committee :

- **Before : The PhD student :**

- writes a report of about 20 pages (without supervisor's correction), sends it to the committee at least 10 days before the planned committee
- writes a work schedule for the 3rd year
- prepares a 30min oral presentation

- **Committee progress:**

- Oral defense + questions/comments
- Interview of the PhD student with the Doctoral School representative and the referee (without supervisors and lab director)
- Interview of the supervisors with the Doctoral School representative and the referee (without PhD student)
- Recommendations of the committee

## 2.3 The key steps of the PhD thesis

### □ All along the thesis:

- **Doctoral missions**
- **Training courses** (in or off-catalogue) → 5 disciplinary trainings in 2020-2021
- **Financial support from the Doctoral School for (to be discussed with supervisors and lab director)**
  - Conference participation
  - mobility in a foreign laboratory for experiments or analyses(Ordre de mission nécessaire)
- Call from the doctoral college for International mobilities (In/out Europe)/ Fullbright program
- **In case of difficulties/conflict:**  
The thesis committee can be convened / The head of Doctoral School can be contacted

### □ Thesis defense:

- Before December 31st of the 3<sup>rd</sup> year to prevent registration in 4<sup>th</sup> year
- The manuscript and jury/date of defense have to be deposited to the Doctoral School (via ADUM) **10 weeks before the date of defense.**
- **Qualifications : Defense before November 15th**

## 2.4 The key steps of the PhD thesis

### □ If the thesis defense is not planned before December 31th :

- **A thesis committee must be organized before September 30th : required for registration in the 4th year (before October 15th)**
  - same procedure as for mi-term committee (report, work schedule, oral presentation and interviews)

Simplified procedure in only two cases:

- The manuscript and the jury/date of defense will be deposited at the doctoral School (via ADUM) before December 31th
- The first registration of the PhD student occurred in the march-july period of the year
  - A form has to be filled with advices of the supervisor, referee and Doctoral School representative

### 3. ADDITIONAL ACTIVITIES

TEACHING

CONSULTING

VALORISATION

SCIENTIFIC  
DISSEMINATION

## 3.1 Doctoral missions

### ❖ Annual campaign of doctoral missions between may and september

Missions		Duration	Application Form
Teaching		between 60h and 64h	Teaching assignment
Non-teaching	expertise	32 days	Non- teaching assignment
	communication		
	IP exploitation		

### ❖ Applications for teaching assignments outside the annual campaign

➡ Duration <60h = Demande d'autorisation de cumul => VACATIONS

### ❖ Applications for teaching assignments in another university

➡ Demande d'autorisation de cumul = vacations paid by the other institution



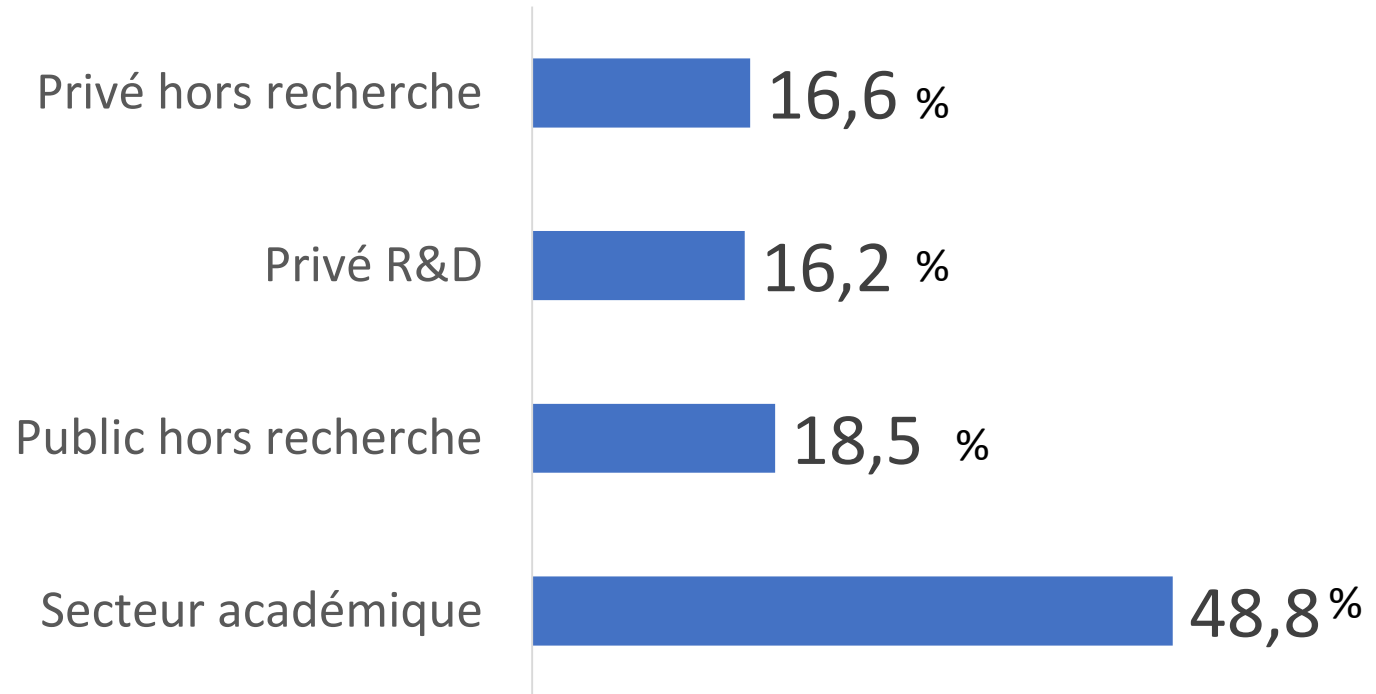
Contact : [missions.cumul@ml.u-cergy.fr](mailto:missions.cumul@ml.u-cergy.fr)



## 3. THE DOCTORAL TRAINING

## Professional integration of doctors

### Distribution of jobs 36 months after PhD defense (graduated 2014)



## DOCTORAL TRAINING

Disciplinary  
trainings

Mandatory trainings

Cross-disciplinary  
trainings

# 1. DISCIPLINARY TRAININGS

## 5 training courses in the catalogue

Microscopies : January, 25-28<sup>th</sup> 2021 (3.5 days)

Introduction to 3D printing : week of February, 15<sup>th</sup> 2021 (3 days)

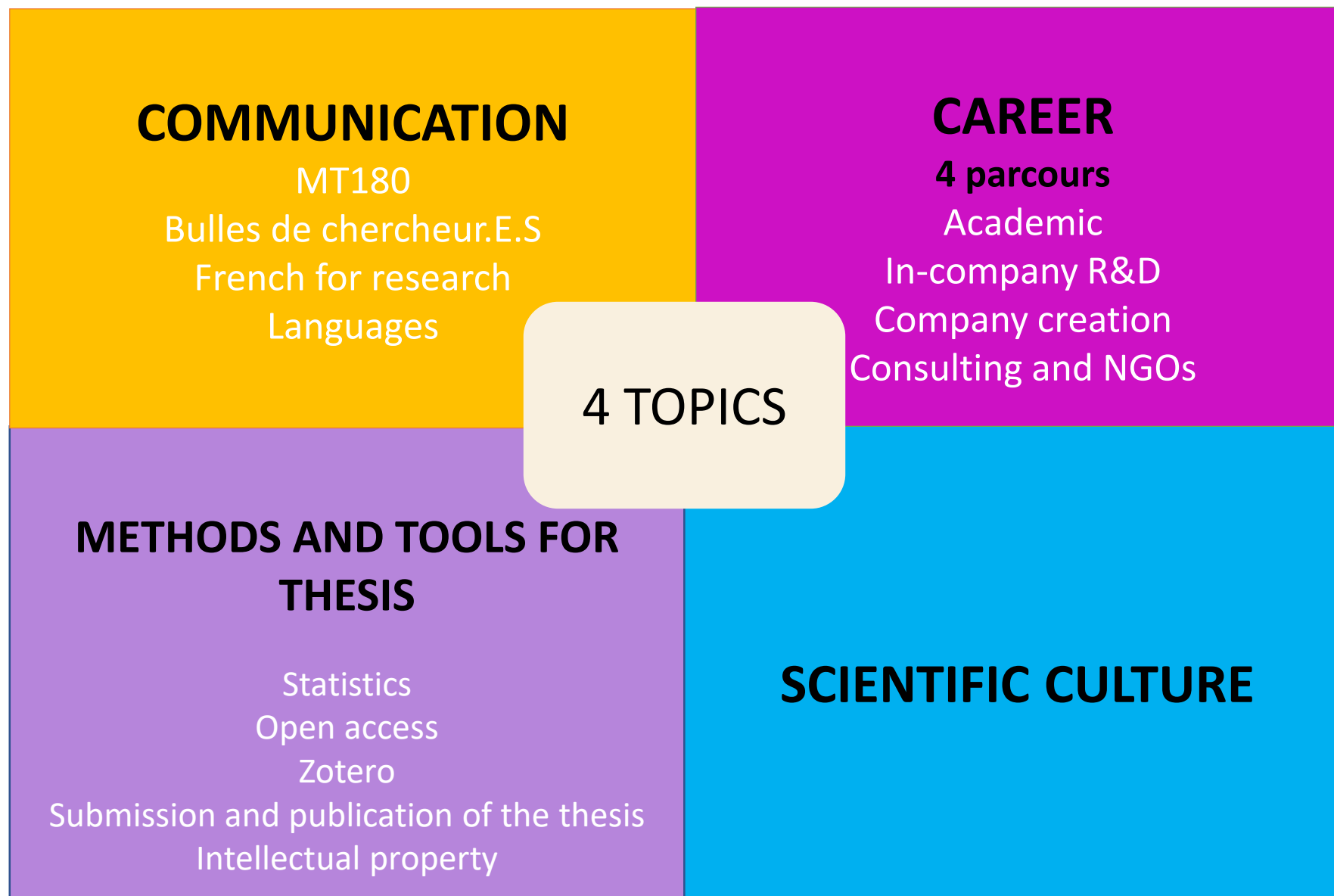
IR and Raman Spectroscopies : May, 3-4<sup>th</sup> 2021 (1.5 days)

Rheology of suspensions : April, 5<sup>th</sup> 2021 (1 day)

Basic elements in statistics for use in laboratory or panel analysis results :  
October-December, 2020 (13h, 6 courses)

## 2. Individual training program

Catalogue : <http://www.collegedoctoral.u-cergy.fr/>

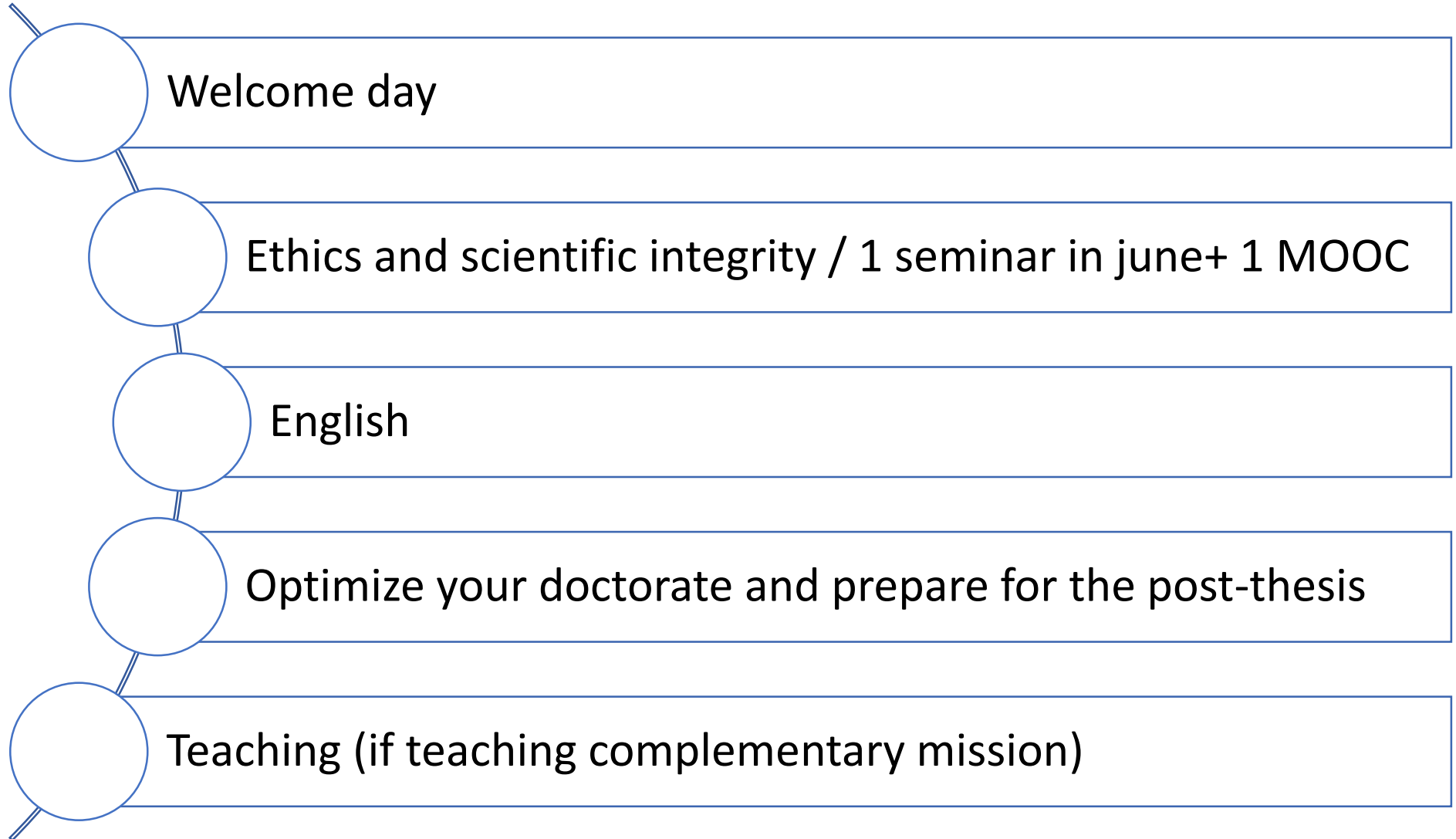




CERGY PARIS

UNIVERSITÉ

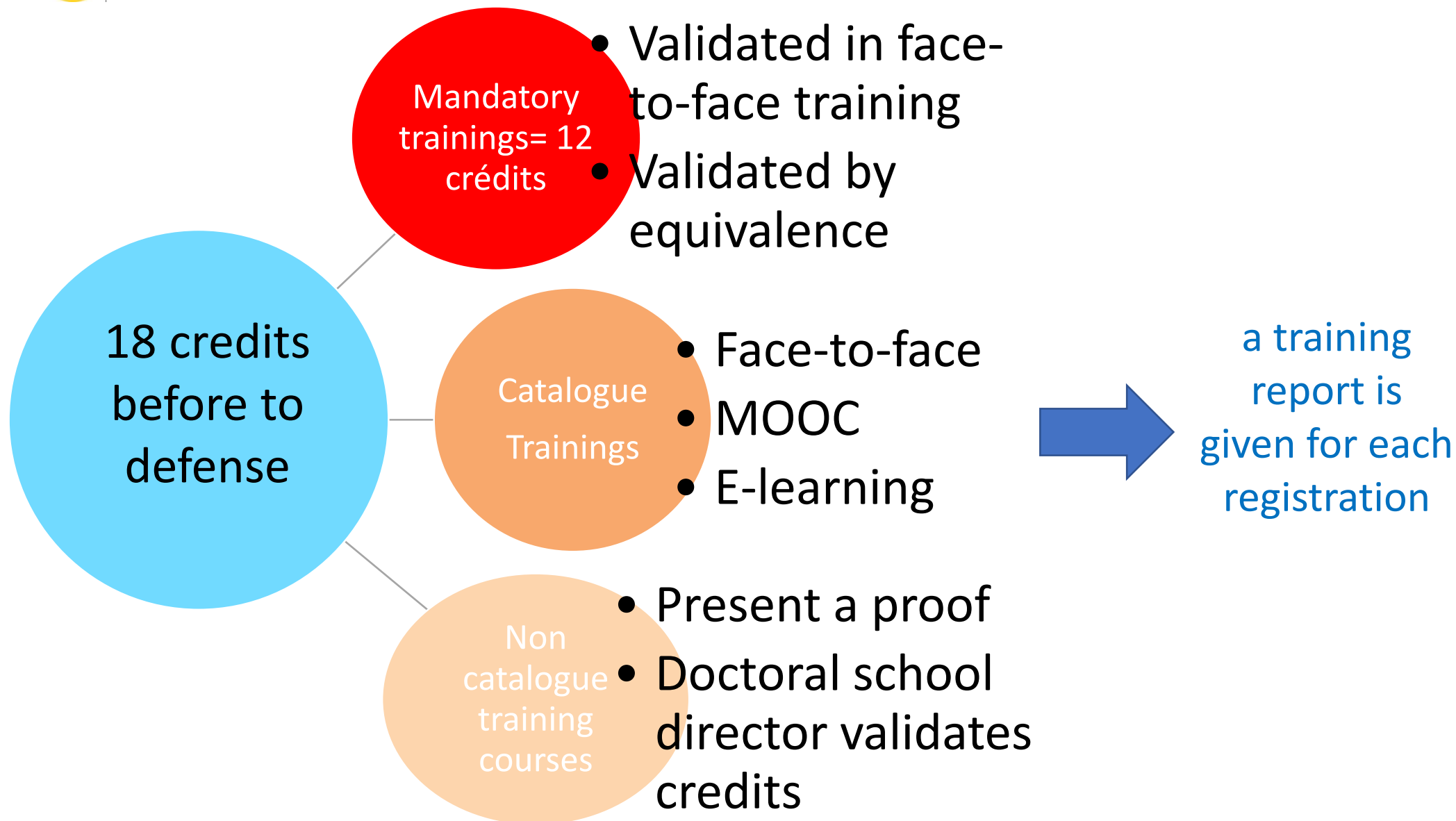
## Training: Mandatory training courses



## Mandatory trainings: To pursue your career



## Training: How to validate the credits





## EVENTS THROUGHOUT THE YEAR



Employment and Entrepreneurship  
Forum for doctors and PhD students  
**November 19th and 20th**

**Welcome SI DS day**  
16/11 morning



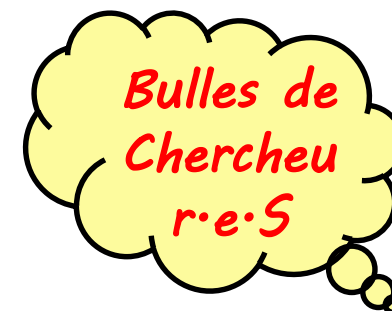
Seminar on Innovation and  
Corporate Social Responsibility  
**From may 17th to 21th 2021**



Seminar on entrepreneurship with Pepite  
and Normandie University  
**From november 17th to 20th**



National competition 2021  
**Preparation from december to march**



Training course on scientific  
mediation through comic  
strip  
**25,26,27 january 2021**

## 4. SERVICES TO GUIDE YOU

# Mobility / Library/ Euraxess

## International Mobility Funding

- Doctoral school
- Doctoral College
- EUTOPIA
- Fullbright

## University Library Research support service

- Scientific publication
- Trainings
- Open access

Contact : [recherche.bu@ml.u-cergy.fr](mailto:recherche.bu@ml.u-cergy.fr)

Website: <https://www.u-cergy.fr/fr/bibliotheque/services/service-d-appui-a-la-recherche.html>



- Visa
- Residence permit
- Work permit
- Admin guidance

<https://access.ciup.fr>

# Health / Social/ Handicap

University  
Department of  
Preventive  
Medicine and  
Health Promotion

Docteur Desclaves

[florence.desclaves@u-cergy.fr](mailto:florence.desclaves@u-cergy.fr)

01.34.25.60.78

Student reception  
service  
Handicapped SAEH

Contact : 01.34.25.61.38/61.31

[handicap@ml.u-cergy.fr](mailto:handicap@ml.u-cergy.fr)

## Social service of Crous

Tour des Chênes, office 410  
Appointment only

[cery@crous-versailles.fr](mailto:cery@crous-versailles.fr)

01 34 25 71 05

# Sport/Culture

## Cultural Development Service

Bureau 216 / Tour des chênes  
[culture@ml.u-cergy.fr](mailto:culture@ml.u-cergy.fr) – social media

SUAPS  
Sport  
service  
Under the  
bridge

LA DYNAMIQUE  
DU SERVICE DES SPORTS

