



INTERFACES FOR
AERONAUTICS ENERGY AND ENVIRONMENT

IntREE

GRADUATE SCHOOL

Working together towards sustainable innovation



WELCOME !



AN INNOVATIVE TEACHING PROGRAMME
IMMERSED IN RESEARCH & INNOVATION

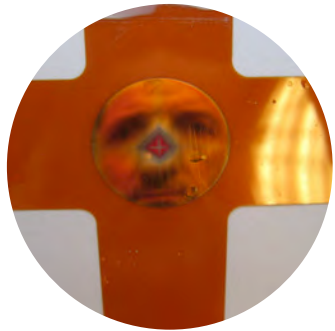
CONTACTS

IntREE Team



PR. PATRICIA PATRIER

Co-Director, Professor
& Head of Education



PR. PIERRE-OLIVIER RENAULT

Co-Director & Professor



EMMANUELLE LE BRUN

Project manager
05.49.36.22.61




JUSTINE PAIR

Physics department and IntREE's secretary
05.49.49.68.35



ZOÉ ETIEN

Communication manager
05.49.36.22.62 + 



EUR INTREE

eur.intree@univ-poitiers.fr

OPENNESS TO INTERDISCIPLINARITY

 IntREE offers you a master's degree + a research label

5 MASTERS

- Materials sciences 
- Energy, Fluids et Interfaces 
- Engineering mechanics 
- Green Chemistry, Catalysis & Environment 
- Advanced clay sciences / Minerals Materials 

2 LABS

IC²MP
Institut de Chimie des Milieux et Matériaux de Poitiers

P⁺
Institut Pprime
Recherche en physique
et ingénierie



RESEARCH LAB

Physics and Engineering Sciences

- fluids
- mechanics of materials
- mechanical engineering
- energetics



TÉCHNIQUES RESEARCH INSTITUTES

- 300 researchers
- 150 staff
- 250 PhD
- 50 Post-Doc



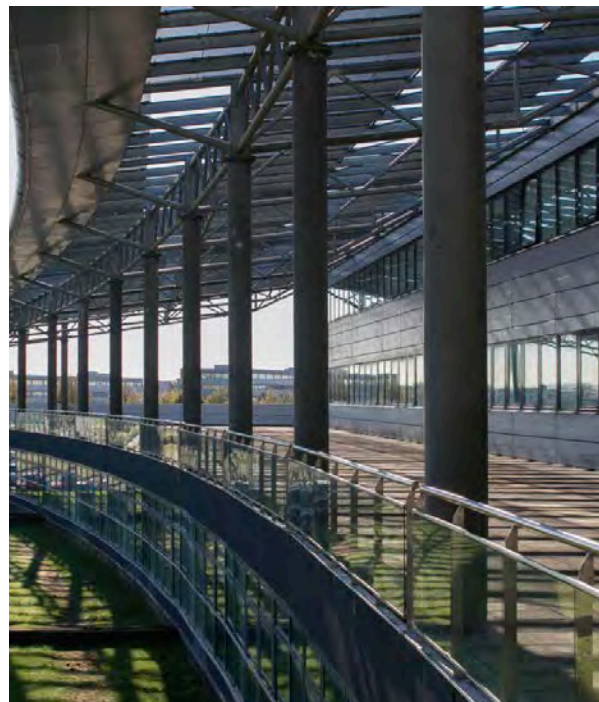
RESEARCH LAB

Chemistry and geosciences of the surface

Institute of Chemistry of Materials and Media of Poitiers



Institut de Chimie des Milieux et Matériaux de Poitiers



CAMPUSES

- 30 000 students
- 1600 researchers
- 1400 staff



Futuroscope site
CHASSENEUIL



Physical sciences
Mathematical sciences
Mechanical sciences
Computer sciences



EAST CAMPUS

POITIERS
City Center
IntREE Office



Fondamental & applied sciences
Social sciences
Law



Plan du Campus de Poitiers

Composantes pédagogiques

- A1 Faculté de Droit et sciences sociales
- A1 Faculté de Sciences économiques
- A3 Faculté de Lettres et langues
- A4 Faculté de Sciences humaines et arts / Géographie et psychologie
- A5 Maison des sciences de l'homme et de la société
- B1-B17 École nationale supérieure d'ingénieurs de Poitiers
- B2-B3- B5-B7- B8-B24- B27-B28- B30-B31- B35-B39 Faculté de Sciences fondamentales appliquées
- B20 Institut national supérieur du professorat et de l'éducation
- C6 Faculté de Sciences du sport
- C8- C16 Institut universitaire de technologie
- D1 Faculté de Médecine et pharmacie

Complexes sportifs

- B9 Gymnase universitaire
- C5 Halle des sports
- C7 Complexe sportif

Cités et résidences universitaires

- A9 Rés. Francine-Poitevin
- B10 Cité Rabelais
- B23 Rés. Francine-Poitevin
- C20 Cité Descartes
- C21 Rés. Jules-Caisso

Services aux étudiants

- A6 Maison des étudiants
- A7 Division vie étudiante [Crous]
- A8 Pôle des solidarités / Service handicap
- B12 POCCUS service social et culturel [Crous]
- B19 Maison des langues
- B21 Service i-médias (informatique et multimédia)
- B25 SAFIRE (Service d'accompagnement à la formation, l'insertion, la réussite et l'engagement), UP&Pro
- B32 CAP Vélo
- C4 Service de santé universitaire et service social
- C7 Service universitaire des activités physiques et sportives

Bibliothèques universitaires

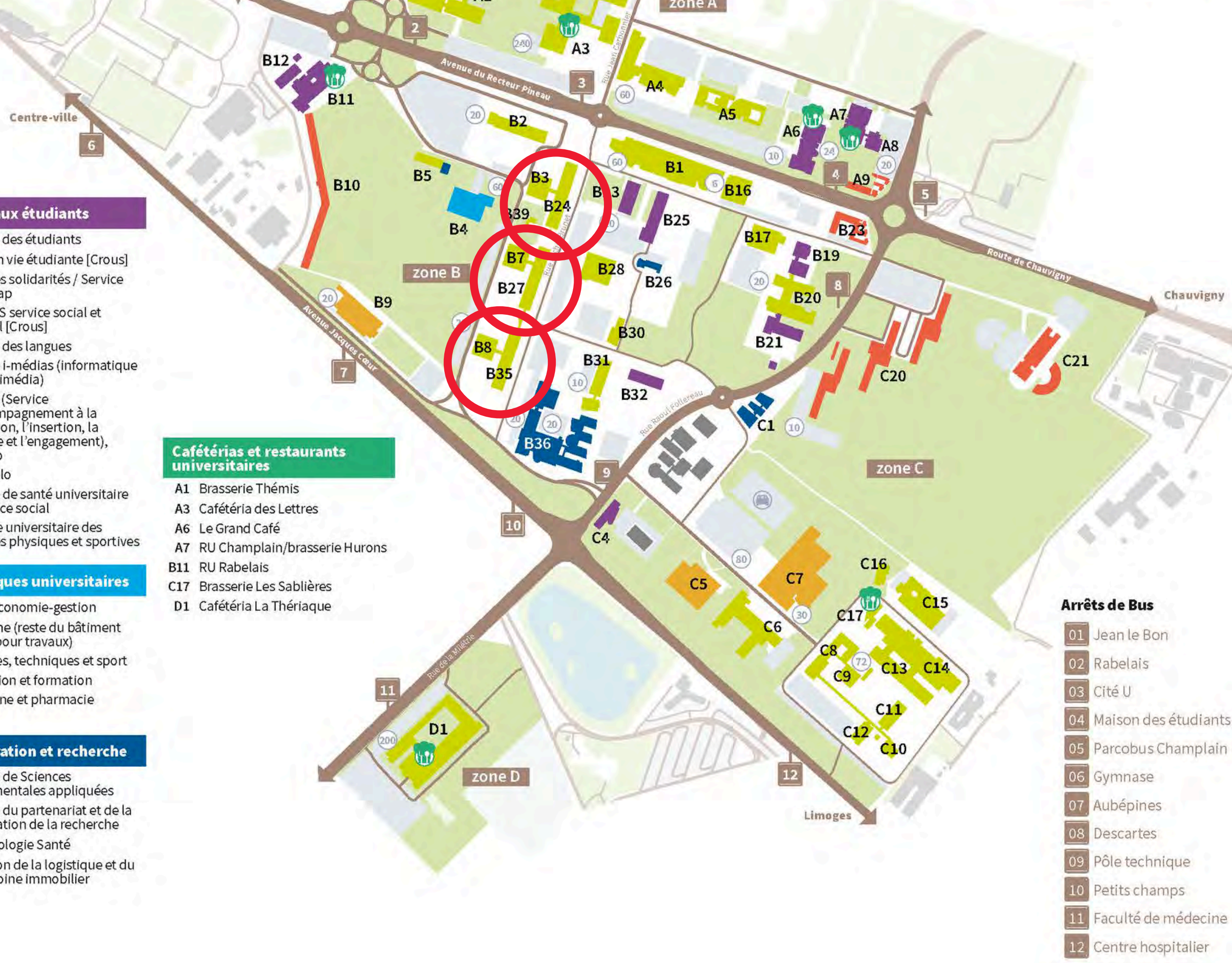
- A1 Droit-économie-gestion
- A2 La Ruche (reste du bâtiment fermé pour travaux)
- B4 Sciences, techniques et sport
- B20 Éducation et formation
- D1 Médecine et pharmacie

Administration et recherche

- B5 Faculté de Sciences fondamentales appliquées
- B26 Service du partenariat et de la valorisation de la recherche
- B36 Pôle Biologie Santé
- C1 Direction de la logistique et du patrimoine immobilier

Cafétérias et restaurants universitaires

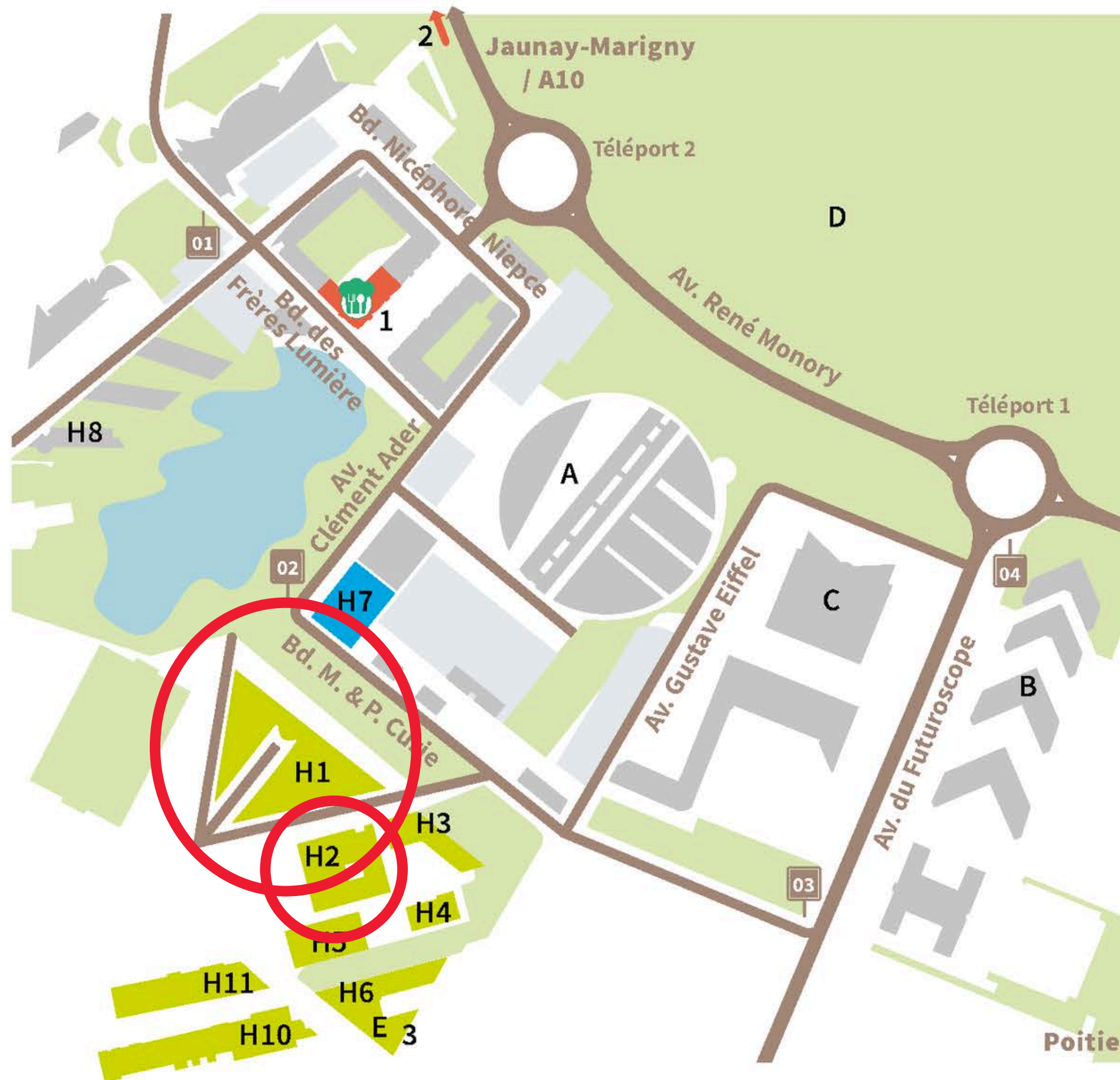
- A1 Brasserie Thémis
- A3 Cafétéria des Lettres
- A6 Le Grand Café
- A7 RU Champlain/brasserie Hurons
- B11 RU Rabelais
- C17 Brasserie Les Sablières
- D1 Cafétéria La Thériaque



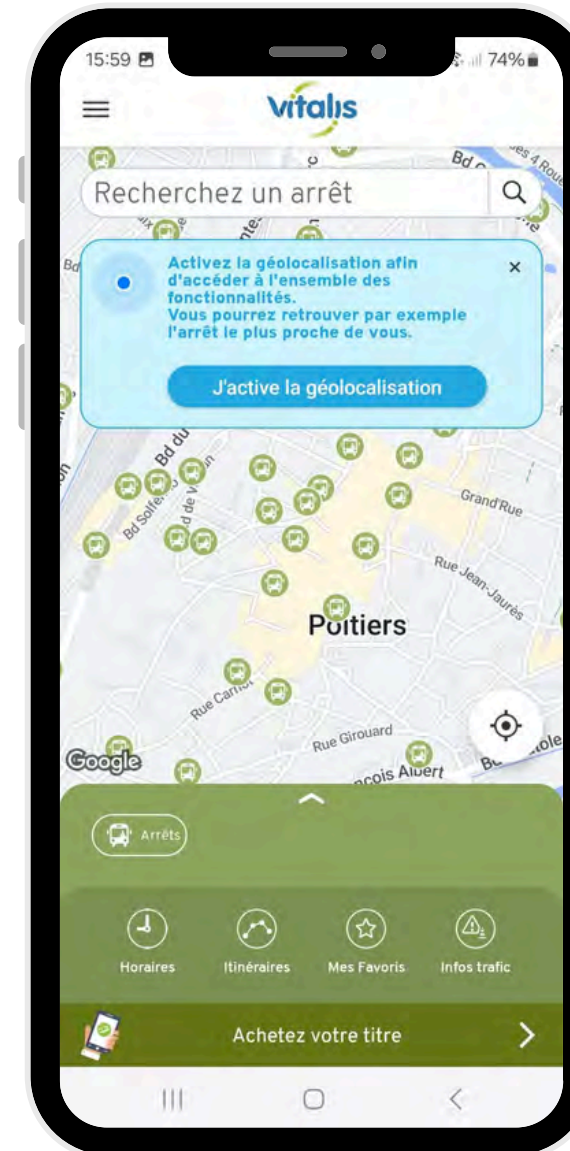
Arrêts de Bus

- 01 Jean le Bon
- 02 Rabelais
- 03 Cité U
- 04 Maison des étudiants
- 05 Parcobus Champlain
- 06 Gymnase
- 07 Aubépines
- 08 Descartes
- 09 Pôle technique
- 10 Petits champs
- 11 Faculté de médecine
- 12 Centre hospitalier

Futuroscope



DOWNLOAD VITALIS, THE CITY BUS APPLICATION.



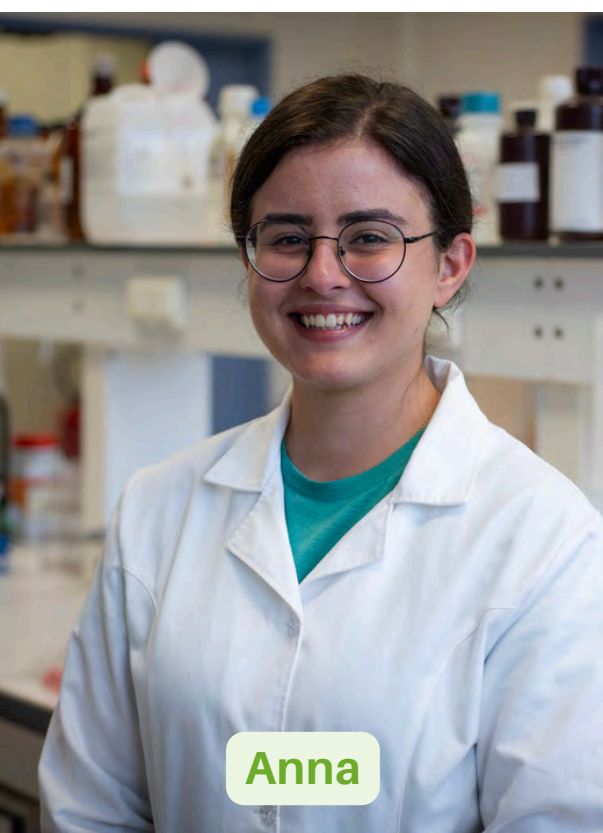
POITIERS

CHASSENEUIL



CLASS OF 2026 : 4TH PROMOTION

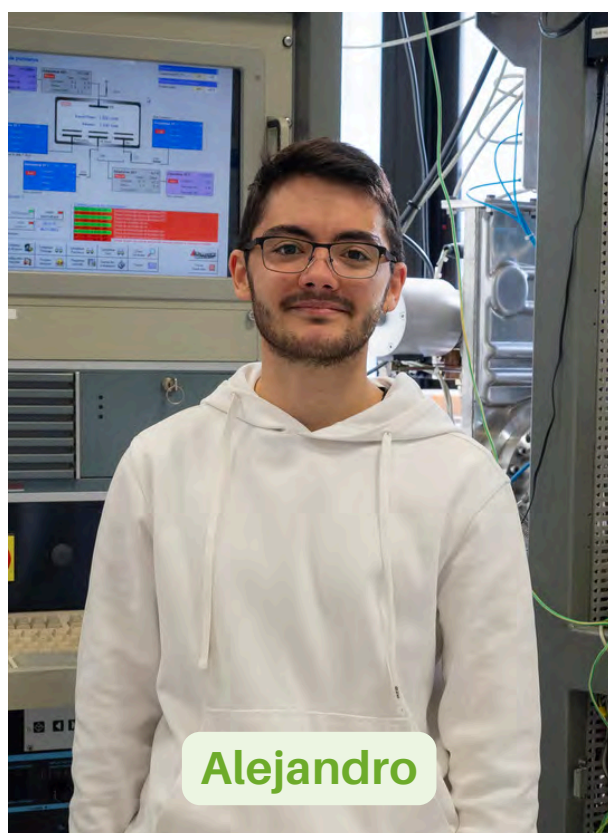
	M1	M2	
2020-2021	14		
2021-2022	19	14	Class of 2022
2022-2023	14	17	Class of 2023
2023-2024	21	12	Class of 2024
2024-2025	16	15	Class of 2025



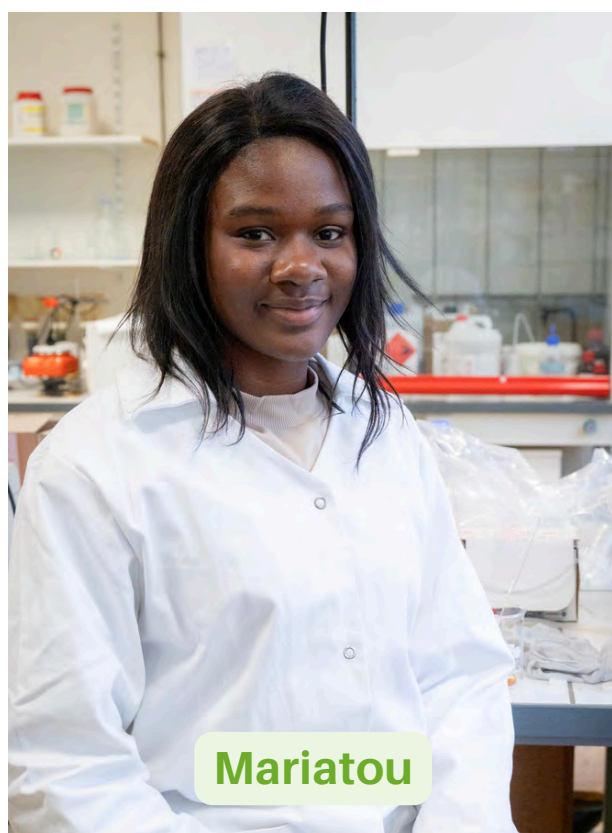
Anna



Flora



Alejandro



Mariatou



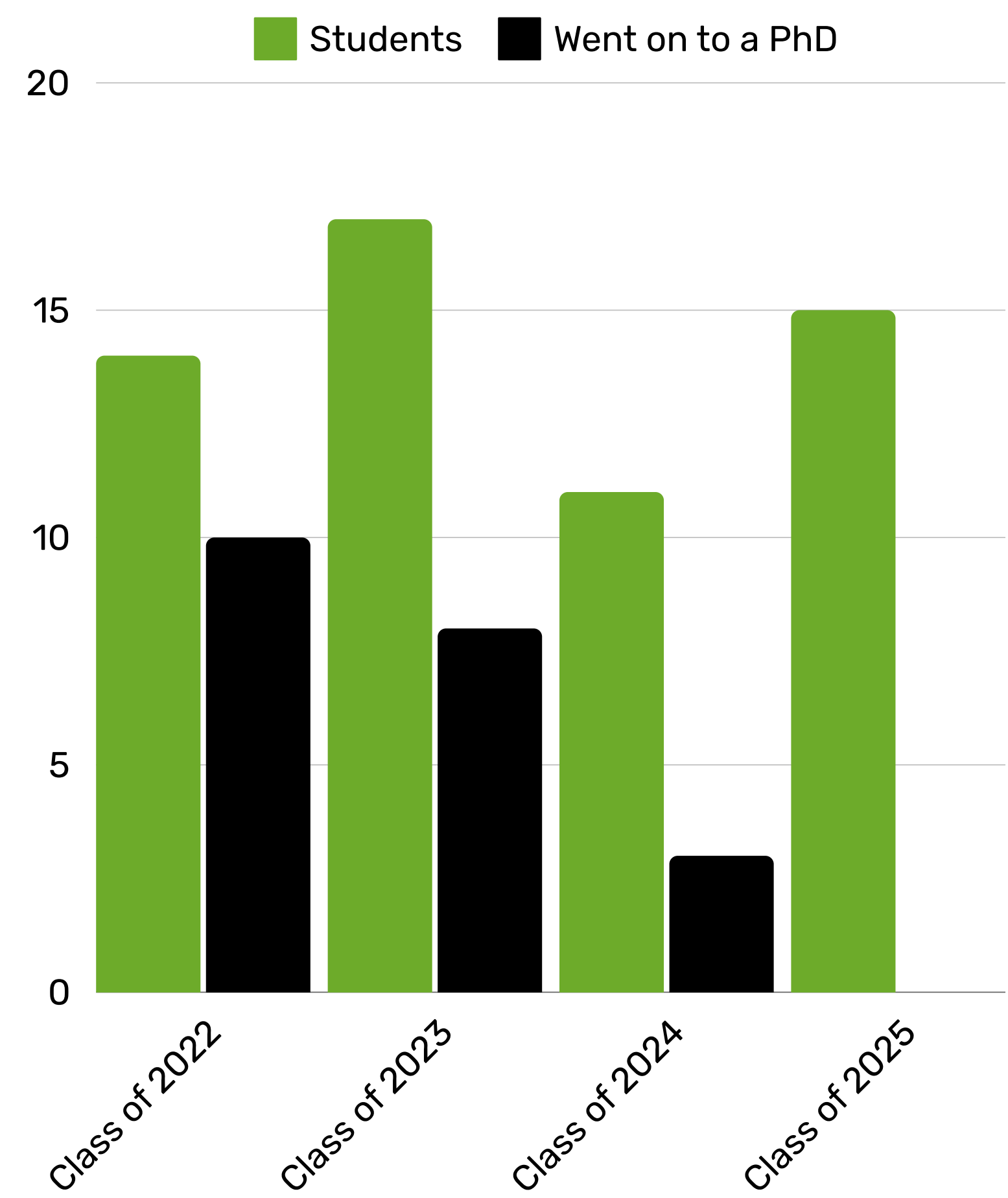
Daniel



Jemal

TRAINING TOWARDS RESEARCH

70% of the class of 2022 and **50%** of the class of 2023 went on to a PhD.



2-YEAR MASTER

2 years of innovative pedagogy

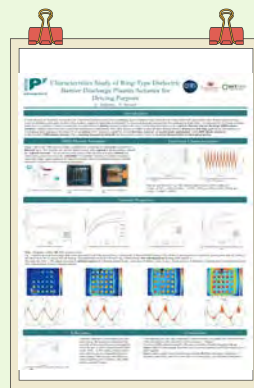
= 120 ECTS



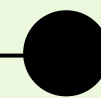
1ST SEMESTER

Research Project

2 days a week in the lab



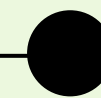
Poster
presentation



2ND SEMESTER

Internship

*3 to 5 months +
Abroad possible*



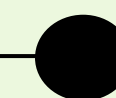
3RD SEMESTER

Practicum

2 weeks



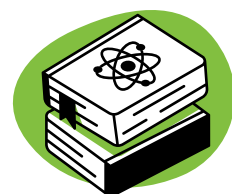
Video
presentation



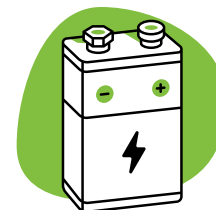
4TH SEMESTER

Internship

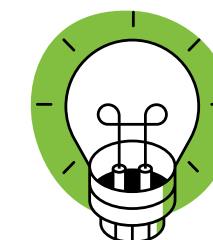
*The whole semester +
Abroad possible*



Opening courses
in English



Soft skills : management,
English, communication,
data management

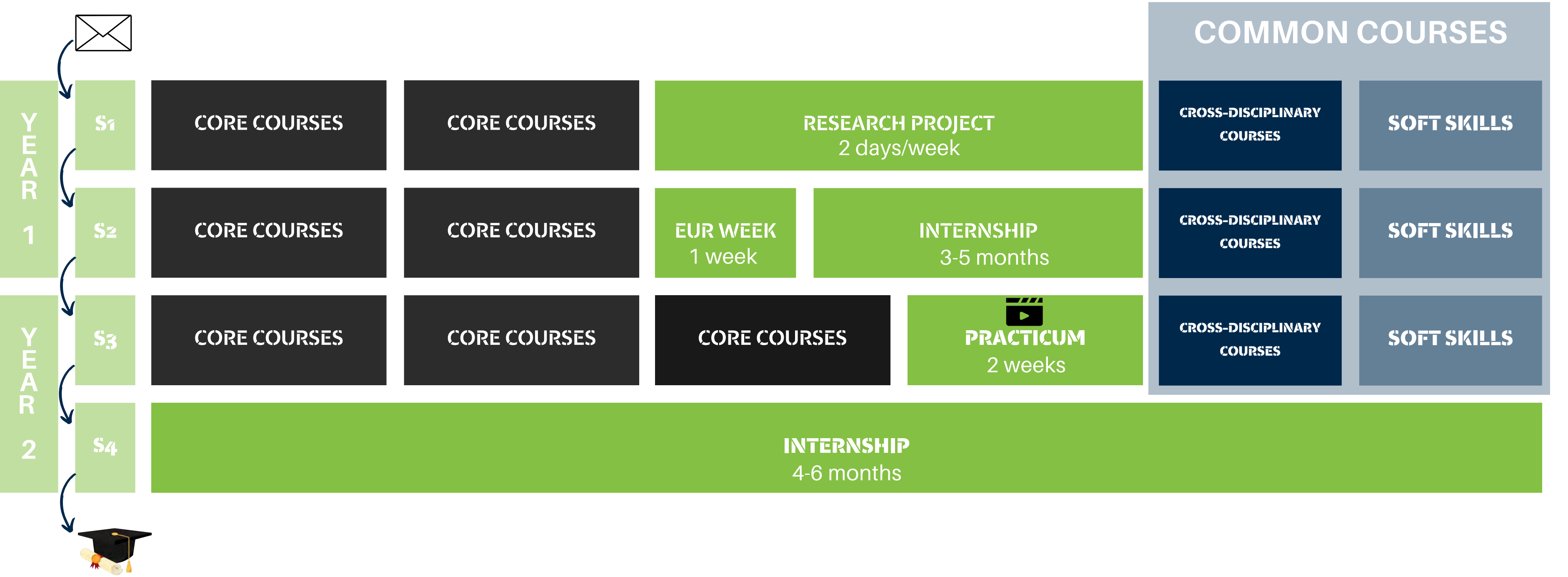


Small
work groups



International
mobility encouraged

MASTER'S STRUCTURE



MASTER'S STRUCTURE

YEAR
1

S1

CORE COURSES

CORE COURSES

RESEARCH PROJECT
2 days/week

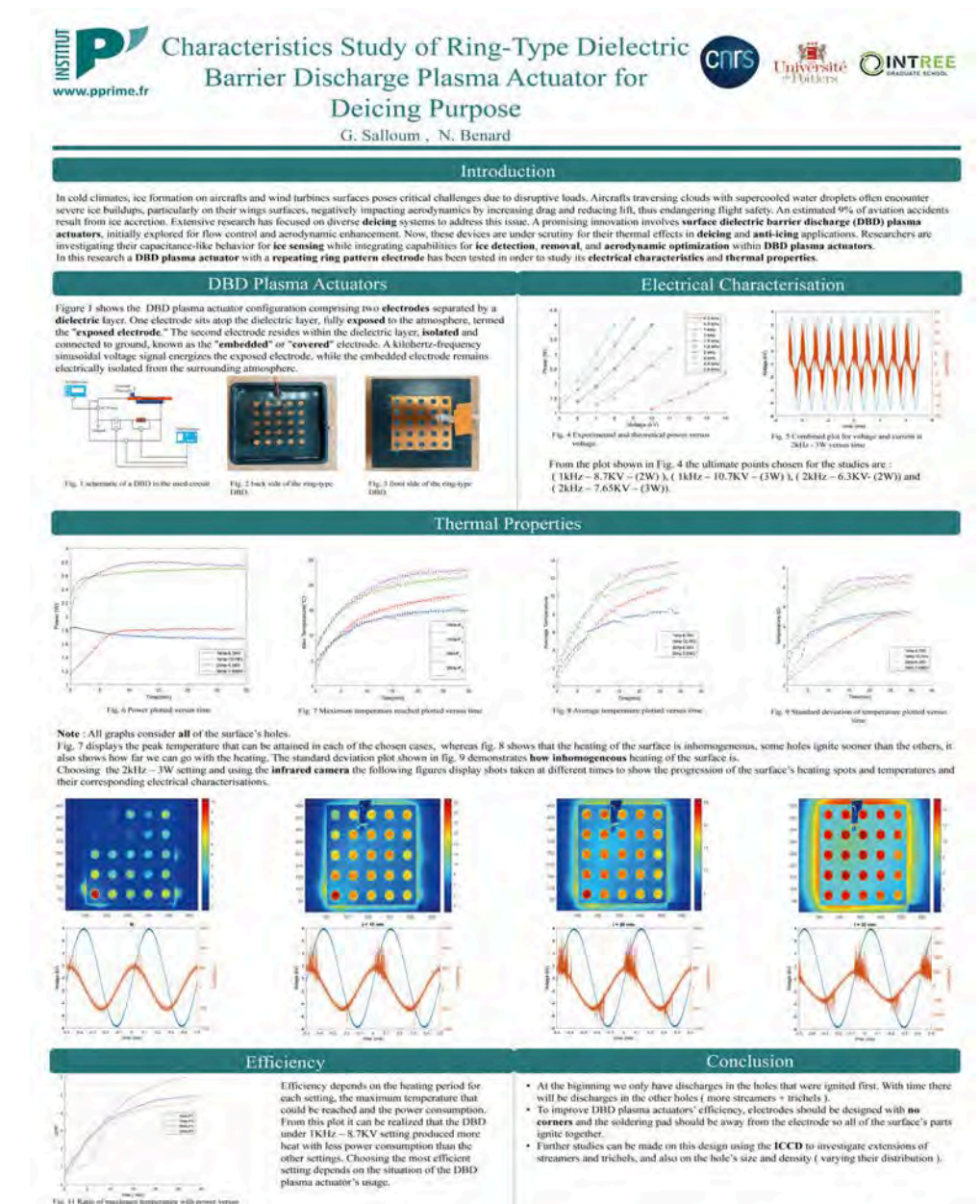
COMMON COURSES

CROSS-DISCIPLINARY
COURSES

SOFT SKILLS

YEAR 1 - S1 : RESEARCH PROJECT

- In your field (physics, chemistry, etc.)
- Poster presentation to a jury (beginning of January)
- Grant : €550 (received after the poster presentation)



Gracia's poster

MASTER'S STRUCTURE



YEAR 1 - S2 : **INTERNSHIP**

- 3-4 months starting from April 14 th
- In a company / laboratory / abroad
- Choice of internship from a list of subjects
- Discipline different from your own
- Grant for international internships
 - In France: €4,35/hour for a 35-hour contract
 - Abroad: €500/month + €1000 mobility allowance
- Internship report and oral defense at the end of June

EUR WEEK

- From 30th March 2025 to 05th April 2025.

FUNDAMENTAL COURSES

- Ethics, entrepreneurship, RMN, ...

OUTGOING MOBILITY

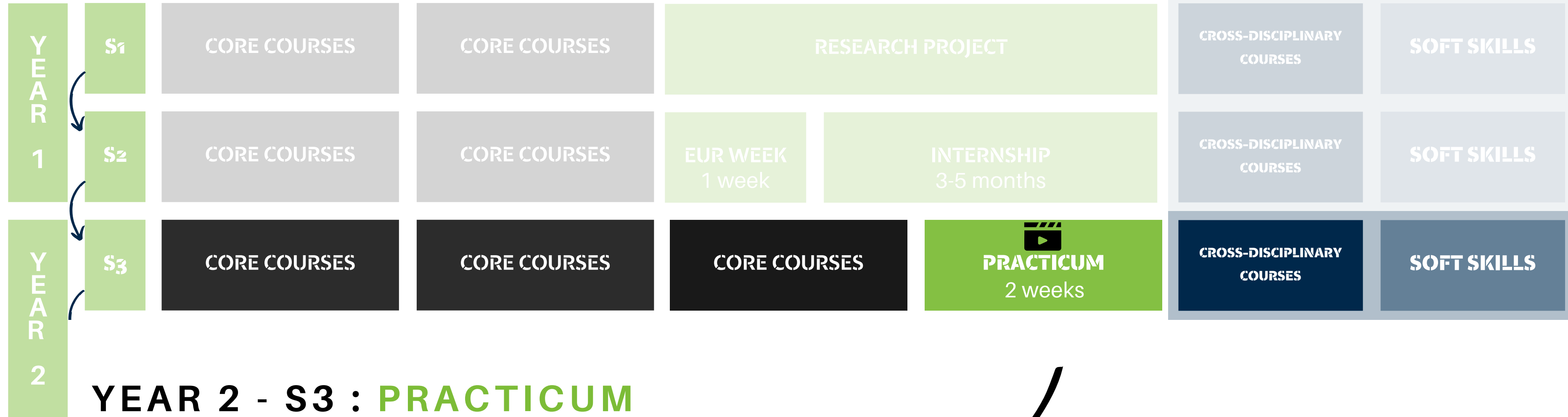
In the 1st year of the Master's programme, internships can be carried out abroad.

Here's where our students have gone:

- Class of 2023     
- Class of 2024      
- Class of 2025          



MASTER'S STRUCTURE



- 2 weeks
- A team of students from different Masters programmes
- Video presentation
- Organization : Zoé in support
- Grant : €300 (received after the presentation)



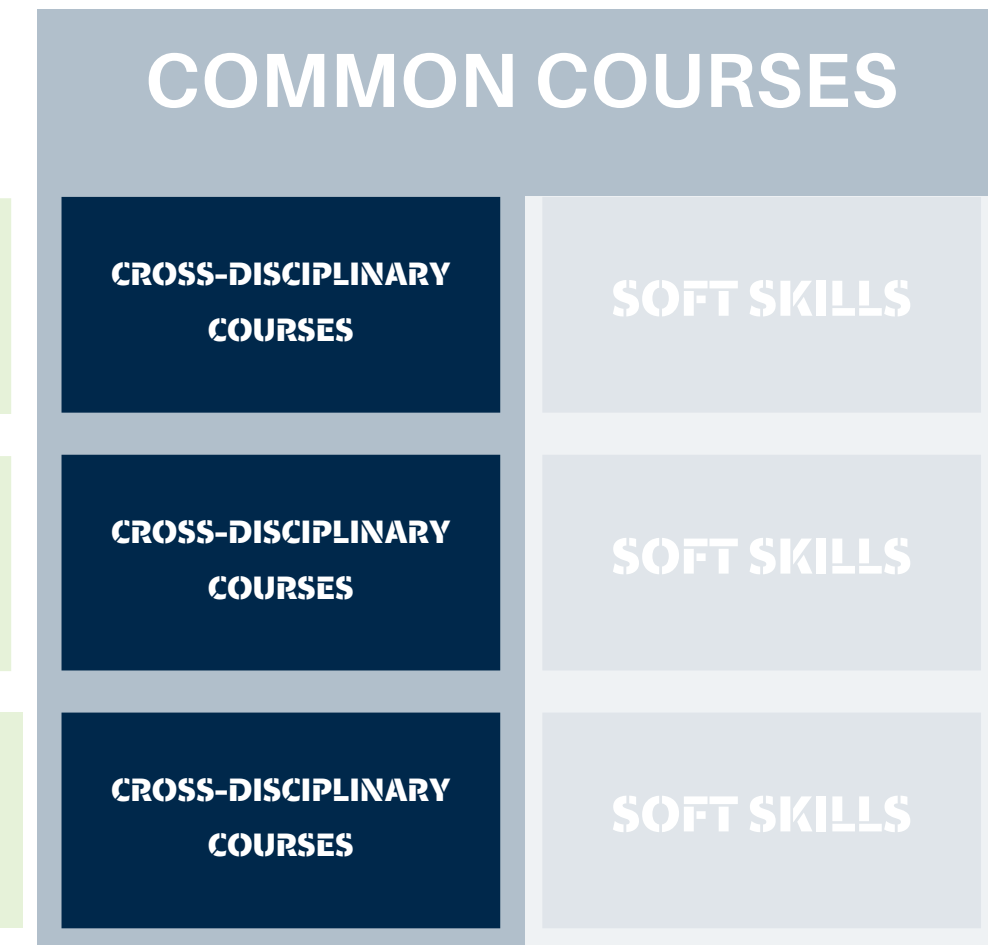
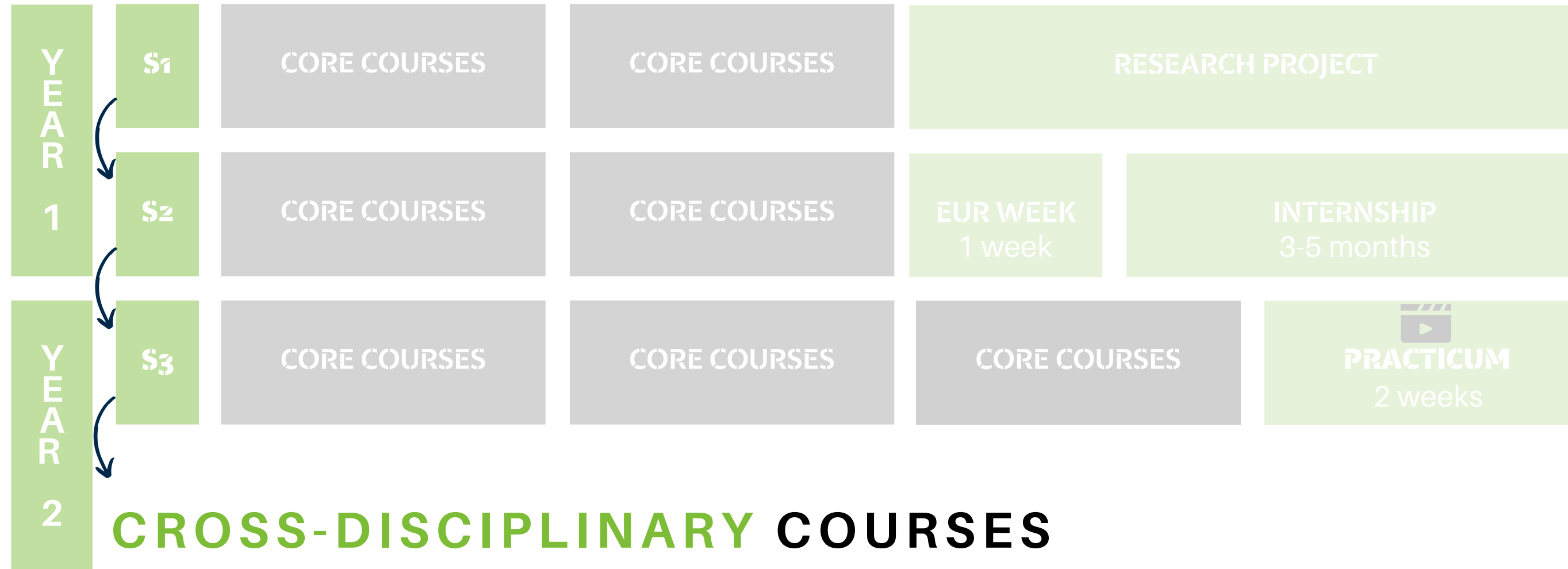
MASTER'S STRUCTURE



YEAR 2 - S4 : INTERNSHIP

- 5-6 months
- Company or laboratory-paid internship
- Report & Defense at the end of August

MASTER'S STRUCTURE



CROSS-DISCIPLINARY COURSES

S1

- E-matter Interactions
- Radiation matter interactions
- Numerical tools
- Surface chemistry
- Life cycle analysis

S2

- Spectroscopies at interfaces
- Heterogeneous catalysis
- Surface topography
- Electrical phenomena at inter.

S3

- Pore network analysis
- Rheology
- Environmental remediation 2
- Design of experiment
- Fun Mooc "open science"

<https://www.fun-mooc.fr/fr/cours/la-science-ouverte/>

MASTER'S STRUCTURE



SOFT SKILLS

- S1**
 - English
 - Communication
- S2**
 - Management
 - Environmental aspect assessment
- S3**
 - Data analysis
 - English

EVALUATION & ASSESSMENT PROCESS



CORE COURSES

- According to the associated-Master : 3/6 ECTS/unit

COMMON COURSES

- 3 ECTS cross disciplinary + 3 ECTS soft skills (no second session)

RESEARCH PROJECT

- Poster presentation : 12 ECTS
 - *The projects are proposed by the master's supervisor*

INTERNSHIP

- 1 mark (oral, written rapport, supervisor) : 12 ECTS
 - *The training projects are proposed by researchers via the website*
 - *EUR proposes you internships subjects*

EUR WEEK

- Compulsory attendance

• M1 (1ST YEAR)

EVALUATION & ASSESSMENT PROCESS



CORE COURSES

- According to the associated-Master : 3/6 ECTS/unit

COMMON COURSES

- 3 ECTS cross disciplinary+ 3 ECTS soft skills (no second session)

PRACTICUM

- Video 3 to 5 min max : 1 mark 6 ECTS
 - *The projects are proposed by the teaching committee*

INTERNSHIP

- 1 mark (oral, written rapport, supervisor) : 30 ECTS
 - *You have to find your internship by yourself, as in all masters programs*

• M2 (2ND YEAR)

EVALUATION & ASSESSMENT PROCESS

In France, grades are given on a scale of 0 to 20, 20 being the highest grade, an equivalent to Excellent or A+. Hence a 18 is reserved for the truly exceptional students, and grades typically range from 8 to 15, 15 being itself a remarkable achievement.

Hence, students across French universities should be compared based on their honors and their ranking within their class.



FRENCH GRADE	CAMPUS FRANCE EQUIVALENT
16 to 20 /20	A+
14 to 16 /20	A
12 to 14 /20	B
10 to 12 /20	C
8 to 10 /20	D
≤ 7 /20	F

STUDENT AGREEMENT

STUDENT AGREEMENT IN DUPLICATE

1. READ
2. SIGN ✍️
3. KEEP A COPY
4. GIVE BACK THE SECOND COPY

+ IMAGE RIGHTS ✍️

Any behaviour that does not comply with these rules may result in the loss of the financial support from the EUR (if awarded on acceptance)



DO & DON'T



DO

- Respond to emails or messages from the team
- Be transparent with the team
- Respect class schedules

REALLY DO !

- Register for an activity other than the university library
- Participate in student association activities
- Share with us if something is bothering you
- Be careful of internet scams (housing, dating, buying, selling, etc.)



DON'T

- Ignore emails from teachers and staff
- Hesitate to share your concerns with others
- Hesitate to ask the team a question

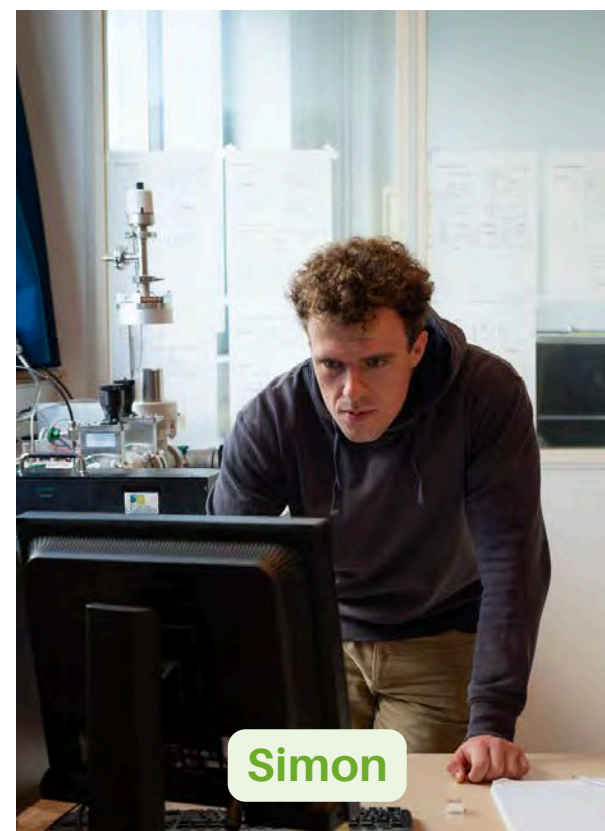
REALLY DON'T !

- Go to an appointment alone with lots of cash to buy a phone found on the Internet from people you don't know
- Carry lots of cash (50€ max)

STUDENT TESTIMONY

EXPERIENCES FROM PREVIOUS CLASSES

Testimonials, anecdotes, surprises, culture shocks
- the best of what others have experienced before you.



TEACHING SUPPORT

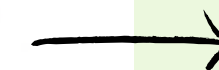
You are a student at IntREE:
You are an university student

Free pack Office:
use Microsoft 365 from ENT

YOUR TIMETABLE IS
UPDATED REGULARLY

Go to ENT-Université de Poitiers

ENT
Université de Poitiers
Environnement numérique de travail



Profitez dès à présent de vos services
numériques personnalisés.

Connectez-vous !

Mon Bureau / Planning des cours



Siméo & Alexis during their internship at the physics lab

WELCOME ENVELOPE

LIST OF DOCUMENTS

To obtain the bank transfer, please send all this documents to Justine Clerté & Emmanuelle Le Brun :

justine.clerte@univ-poitiers.fr

[cc emmanuelle.le.brun@univ-poitiers.fr](mailto:cc_emmanuelle.le.brun@univ-poitiers.fr)

- Bank document details - with the bank logo and Swift / IBAN
- ID card or passeport
- Student card or registration certificate
- Social insurance certificate
- Proof of civil insurance
- For international students : VISA or residence permit



CONTACTS

IntREE master's supervisors



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Materials science

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Green Chemistry, Catalysis & Environment

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PR. ERIC MOREAU

Energy, Fluids et Interfaces

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PR. PATRICIA PATRIER

Advanced clay sciences / Minerals Materials

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PR. VALÉRY VALLE

Engineering mechanics

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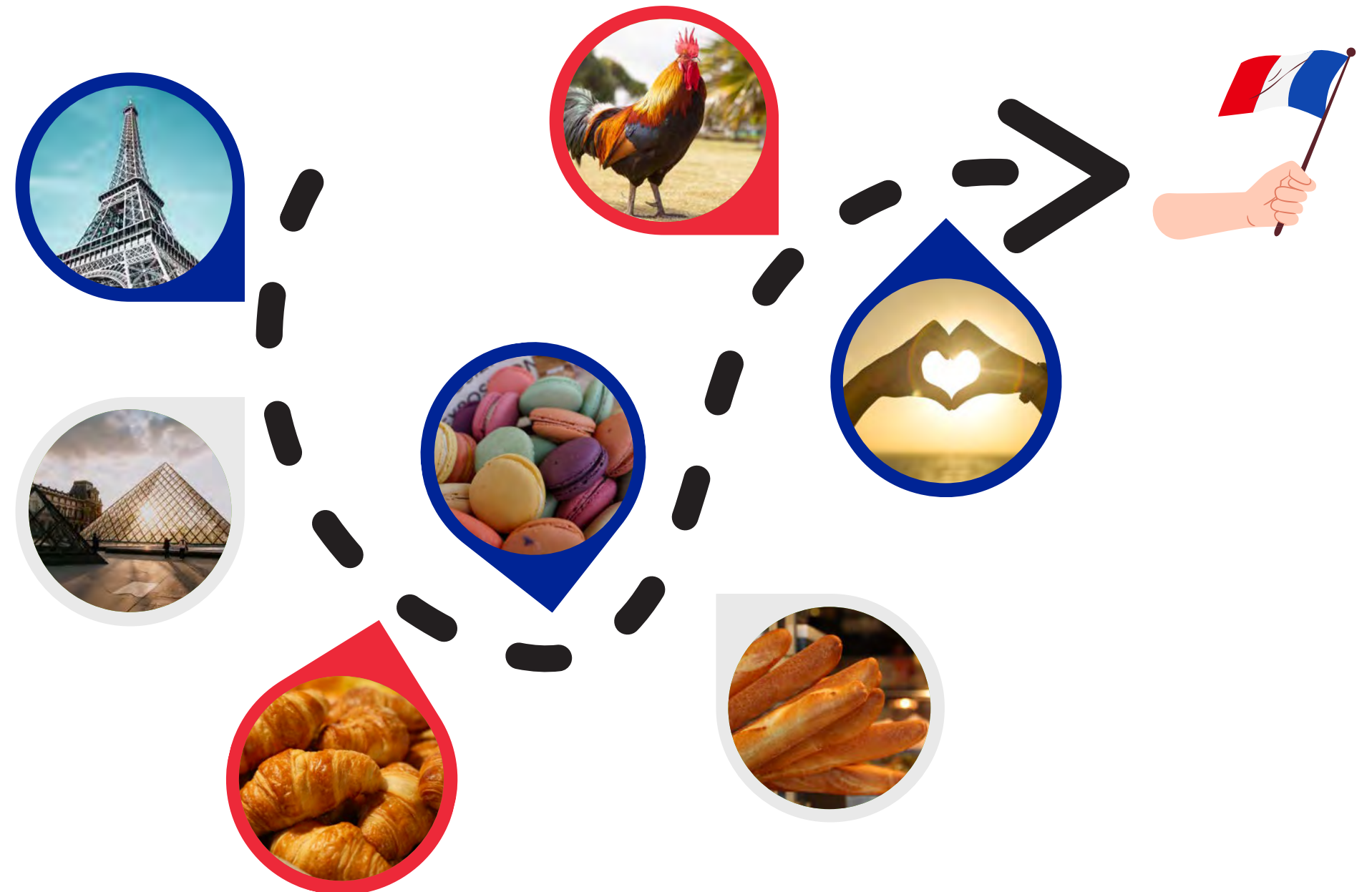


FRENCH LESSONS

- Free for IntREE students
- 20 sessions during the year
- Thursday, from 6:00 pm to 8:00 pm
- No exam !



- 1st class on Thursday 12th September
- On the Campus
- Building A then C (Lettres et Langues)
- *Room to be confirmed*



EVENTS FOR OUR STUDENTS AND THE TEAM

ASSOCIATIVES
OUTINGS



All year long

WELCOME DAY



*September:
back-to-school*

INDUSTRIAL
PARTNER VISITS



Start of school year

SCIENCE CO'LAB



End of school year



AND MORE ! 😊

PROMOTING INTREE

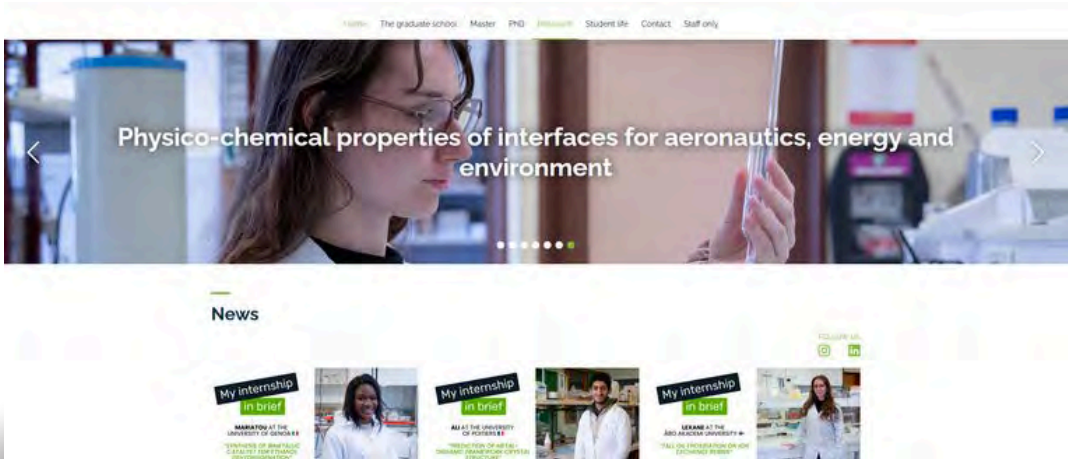
WITH YOU



Lab photoshoots

UPDATING SUPPORTS

Website
update



Graphic design

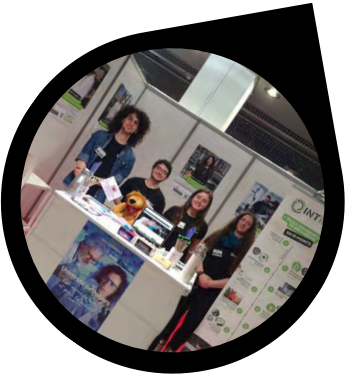
WHAT'S NEW

LinkedIn

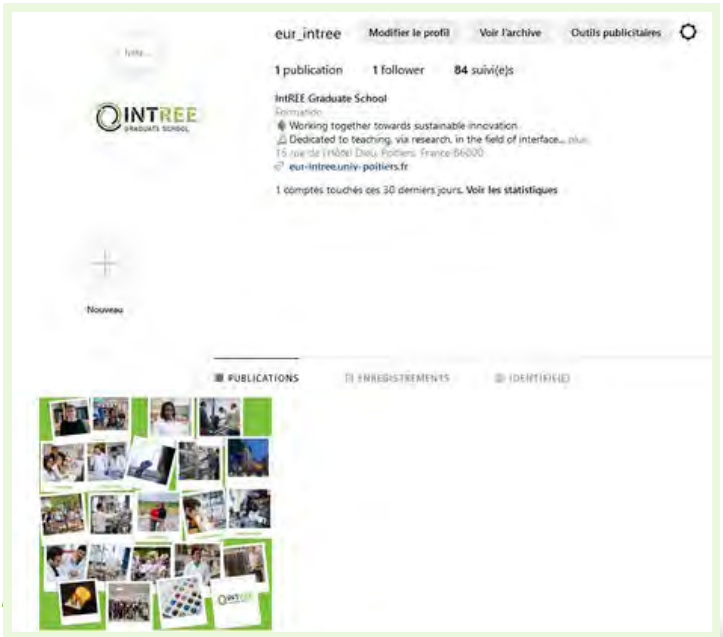


Presentation
of internships

Student
fair

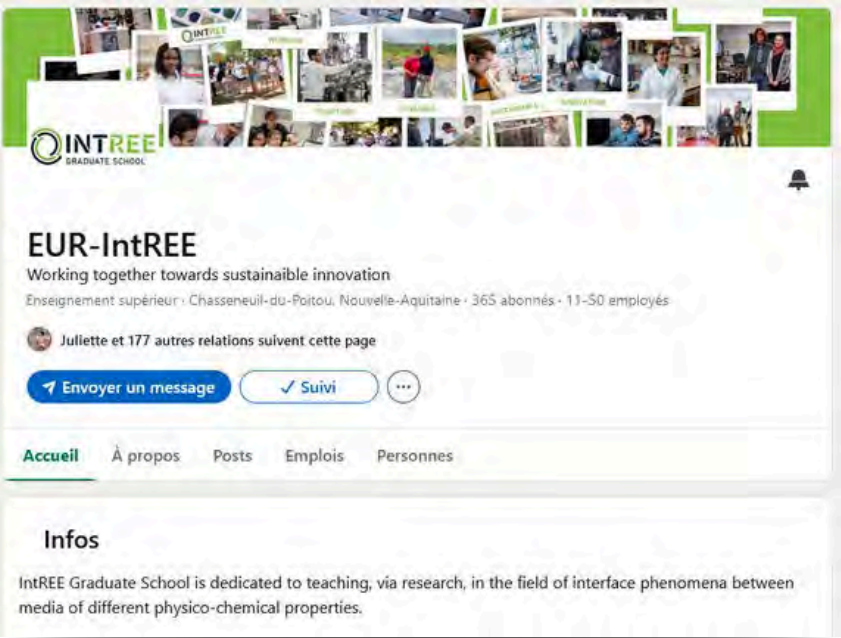


Instagram



FUTURE PROJECTS

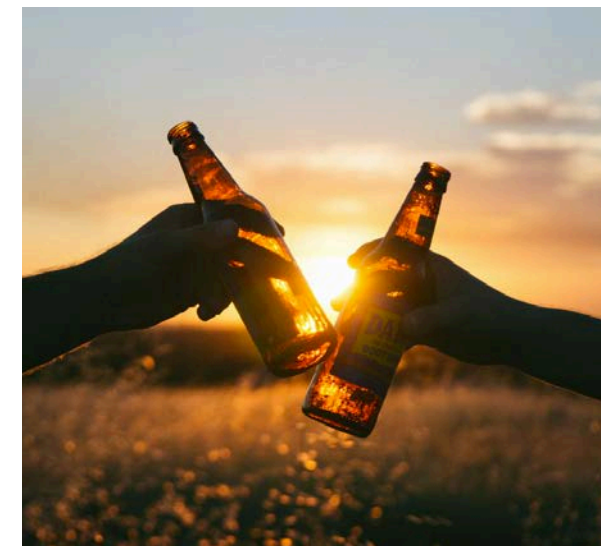
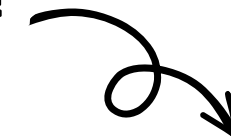
- Promoting research
 - Posters
 - Practicum video
 - Scientific collaborations



JOIN THE ASSOCIATION NOW !

JOIN US TO:

- Promote **exchanges** between the IntREE students
- **Help the newcomers** to adapt to their new life here
- And more !



The association's last trip to the Futuroscope

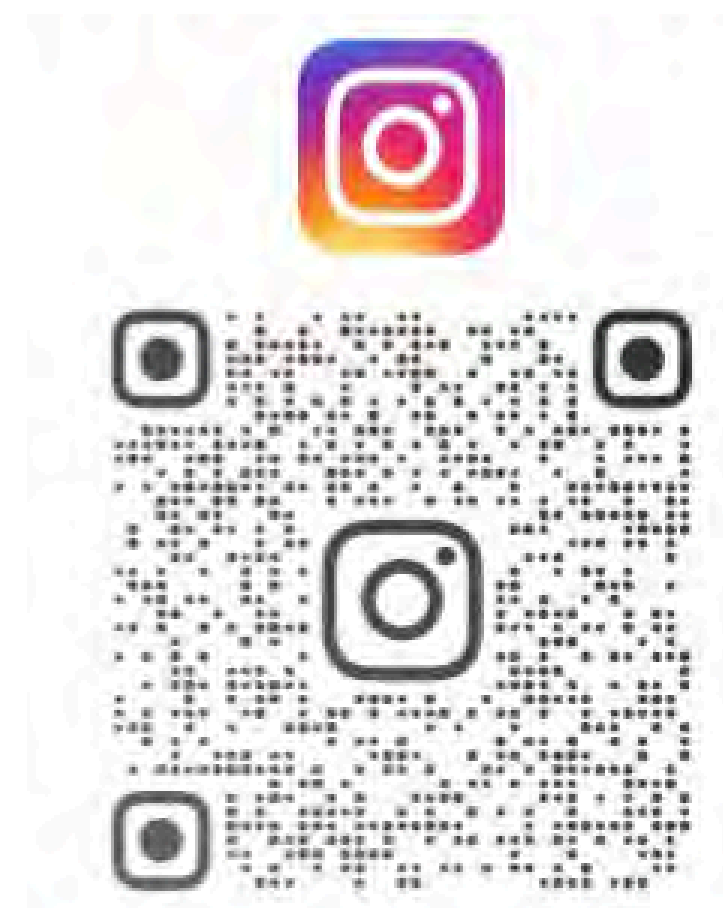


Color run of Poitiers | 14th september | 18:30



LET'S ORGANISE OUTINGS TOGETHER

- **Low** registration fee for the whole year
- The association is **funded by IntREE**
- **Ideas** are welcome
- **New board members** are wanted
- Most outings are **free** of charge

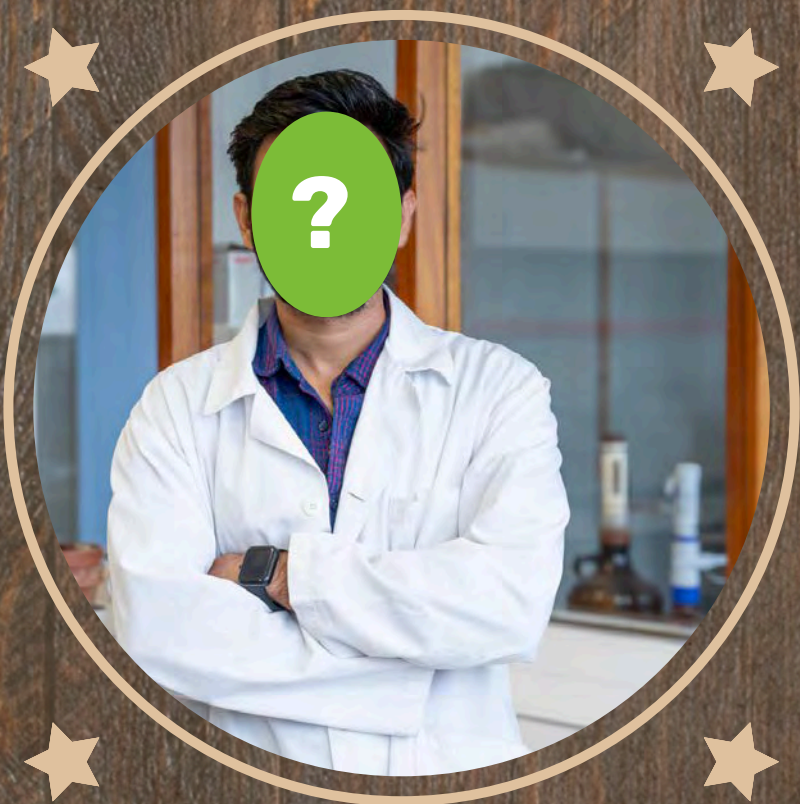


**GOOGLE FORM FOR
REGISTRATION**



WANTED

TO REPRESENT THE CLASS



A STUDENT
REPRESENTATIVE
and a deputy

for the IntREE
student association

JOIN THE ASSOCIATION

AND TAKE PART IN INTREE'S PEDAGOGICAL LIFE

- A student representative and a deputy (or **a duo**)
- **For 4 meetings a year** with the Pedagogic Committee (run by your teachers)

First purpose: to discuss and improve points with the teaching staff and the class.

Second purpose: to have an overview of the decisions discussed by the team.



IntREE
Student
Association



Pedagogic
committee

THANK YOU

FOR YOUR ATTENTION

