



ENIT – NATIONAL ENGINEERING SCHOOL OF TARBES



Cofinancé par
l'Union européenne

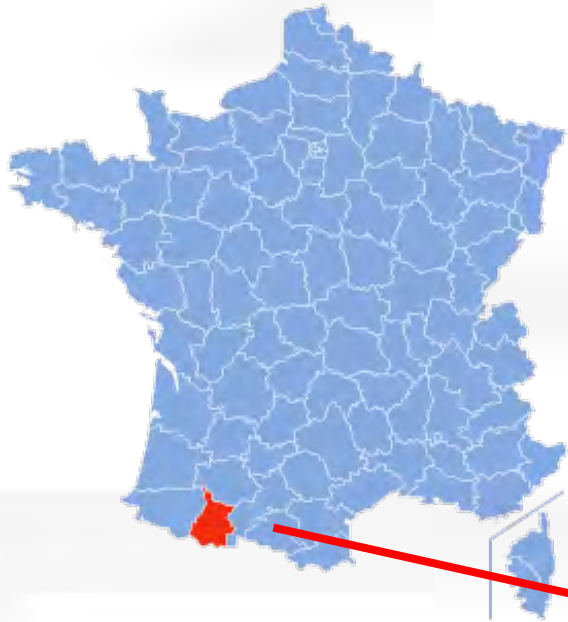


I. Tarbes' region in the South of France



1. At the foot of the Pyrenees
2. A city on a human scale
3. The region's benefits
4. Diverse activities

1. At the foot of the Pyrenees



2. A city on a human scale

- 43 800 inhabitants
- 6 000 students
- Rent a bike
- 15 km² > ride your bike everywhere



3. The region's benefits

- Easy reach city and low rents
- 1hr to the beach and ½ hr to the mountain
- 1h30 to Toulouse
- 15 min to Lourdes



CIRQUE DE
GAVARNIE



PIC DU
MIDI



LOURDES



TOULOUSE



BIARRITZ

4. Diverse activities



II. The ENIT

1. French higher Education institution
2. National Engineering school
3. University campus in an only place
4. Training course: divided in semesters
5. Detailed training course
6. The academic calendar
7. The organization of Enit



1. French higher Education institution

- Founded in 1963
- French higher Education institution “Grandes Ecoles”
- 5-year course (Master level)

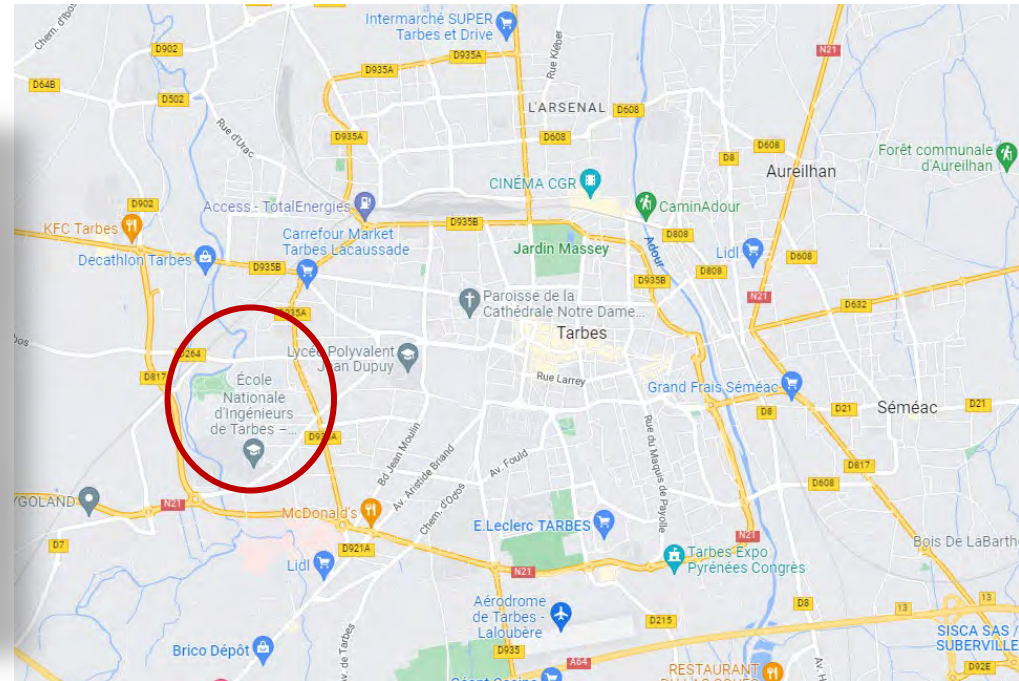


2. National Engineering school

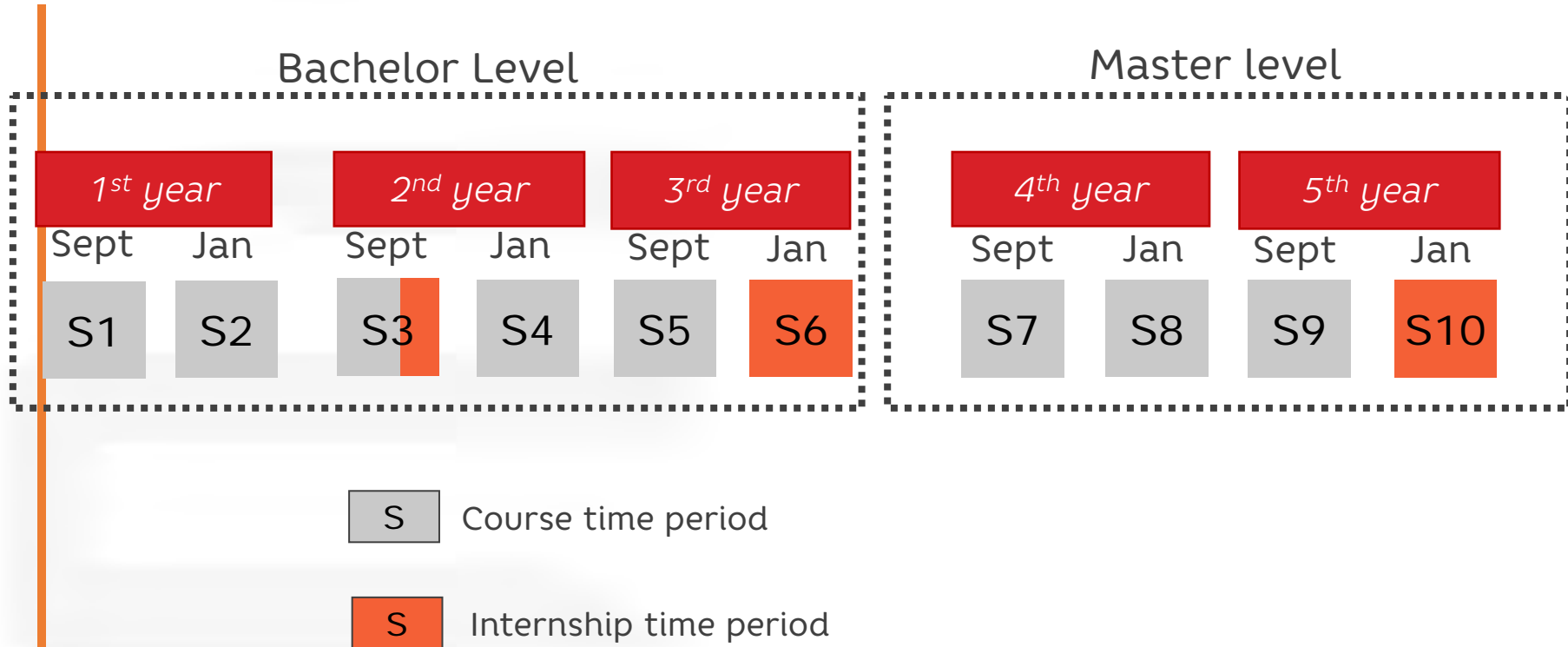
- Member of Toulouse INP
- Generalist engineer's degree
- 3 mandatory internships= 12 months
- 4 ENI schools in France



3. University campus in an only place



4. Training course: divided in semesters



5. Detailed training course

S7 - S8 - S9 (French class)

Prerequisite

French B1 + English B1
Validated bachelor degree

Commun core
24 ECTS
350 h

Mecanics

Production

Conception

Industrial
engineering

Science and material
engineering

Electrical
engineering

Automatics and
systems

Industrial IT

Communication
Languages

Economics and social
sciences

5 options
6 ECTS
100 h

Mecanical
engineering

Material engineering

Construction and
public works

Industrial
engineering

Integrated Systems
Design

Formation initiale sous statut étudiant (FISE)

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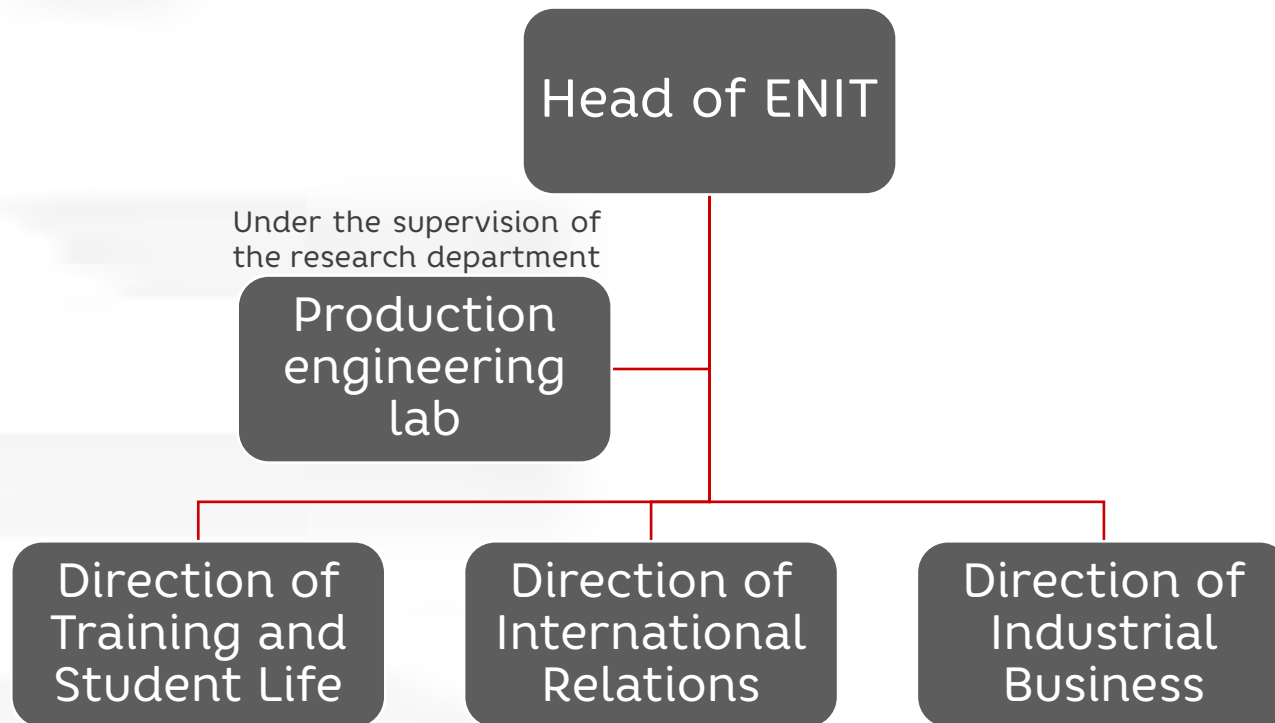
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1. *curva de semestres*.

7. The ENIT organization

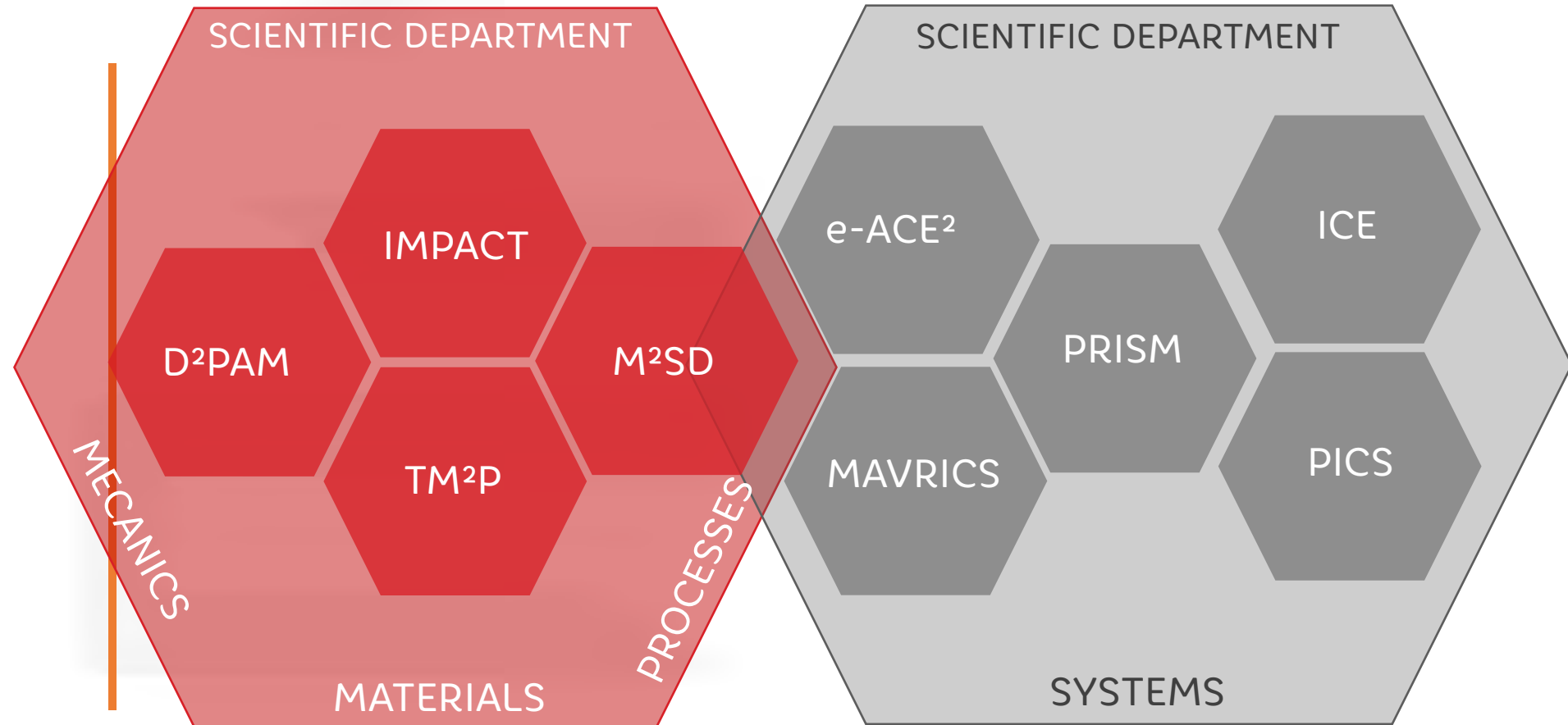


III. Research and technology transfer



1. Production engineering lab
2. Material ressources
3. Direction of Industrial Business
4. Scientific platforms

1. Production engineering laboratory



Research group “Materials”

□ D²PAM

- New Design Process Sustainability Links in Additive Manufacturing
 - L. ARNAUD , M. BAILI

□ TM²P

- Tribology, Materials & Process Mechanics
 - G. DESSEIN, K. DELBE

□ M²SD

- Metallurgy Mechanical Structures and Damage
 - H. WELEMANE, O. PANTALÉ

□ IMPACT

- Interfaces Materials, Polymers, Assemblies, Composites and Textiles
 - V. NASSIET, P. OUAGNE

Research group « Systems »

□ ICE

- Knowledge and Experience Engineering for the improvement of processes, systems and organisations
 - T. COUDERT, C. BÉLER

□ PICS

- Planning, Interoperability and Coordination for System Dynamics
 - H. KARRAY, T. VIDAL

□ PRiSM

- Prognosis & Risk Management for System Resilience
 - R. HOUÉ-NGOUNA, X. DESFORGES

□ e-ACE2

- Efficiency of Electrical Energy Conversion Systems
 - P.-E. VIDAL, S. BAFFREAU

□ MAVRICS

- Methodologies for the Design and Control of Mechatronic and Robotic Systems for Interaction
 - M. BENOUSAAD , P. FILLATREAU

2. Material ressources

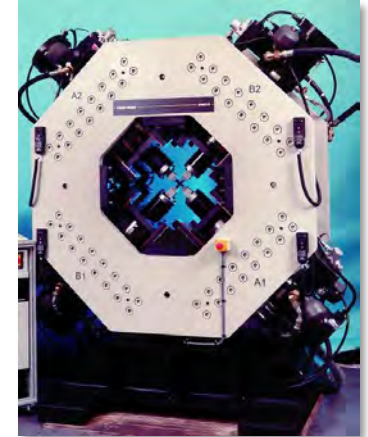
Positioning on research with an experimental component



Machining of difficult materials



Laser welding and cutting



Fatigue machine
bi-axial cruciform



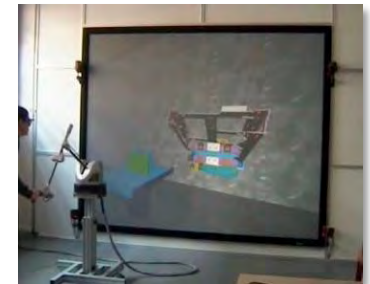
Environmental
Tribometer



Mobile
Manipulator



Analytical
microscopy



Virtual
Reality

3. Direction of Industrial Business

Embodies the link between training, research, partners and transfer to industry

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TRAINING

Orientation & professional insertion

- Internships, final study projects,
- Job,
- Company Forum & Professional Day,
- Industrial conferences,
- Council for Employment and Careers of Engineers

RESEARCH

Negotiation, setting up and monitoring of projects
Legal and financial aspects

- Research contracts,
- Collaborative projects,
- Cifre Contract (ANRT),
- Structuring projects.

PARTNERSHIPS

Develop our professional network

- Company agreements,
- Industrial and institutional network,
- Promotion of the ENIT towards the industry,
- Organization of events,
- Apprenticeship tax.

TECHNOLOGY TRANSFER

Promote our expertise

- Studies,
- Tests,
- Expertises,
- Valuation.

Technological platforms

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4. Scientific platforms

Transfer of scientific expertise to industry

3 internal Centers
of Resources and
Competences

3 shared R&T
technology platforms
supported by ENIT

1 Regional Center
of Innovation and
Technology Transfer



Engineering Center for
Mechanics, Materials
and Surfaces



Power Electronics
Research Platform



Bonding
processes



Decision and
Communication
Engineering for Business



Robotic machining,
finishing and
assembly, Friction stir
welding (FSW)



Center for Research
and Transfer in
Innovative Composites
CRTCI



Mutualized Structure
of Research in Additive
Manufacturing

IV. Direction of International Relations

1. The « Bienvenue en France » label
2. Mobility in French at ENIT
3. Mobility in English at ENIT
4. The DRI(M) TEAM
5. Our partners

1. The « Welcome to France » label



In November 2020, ENIT was awarded the "Welcome to France" label by Campus France and validated by an independent commission. It is awarded to institutions wishing to highlight their reception facilities. It is awarded for 4 years.

2. Mobility in French at ENIT

- Through the engineering curriculum in semester 1
- By admission on title
- As part of a single semester or double degree mobility
- As a free mover
- French B1

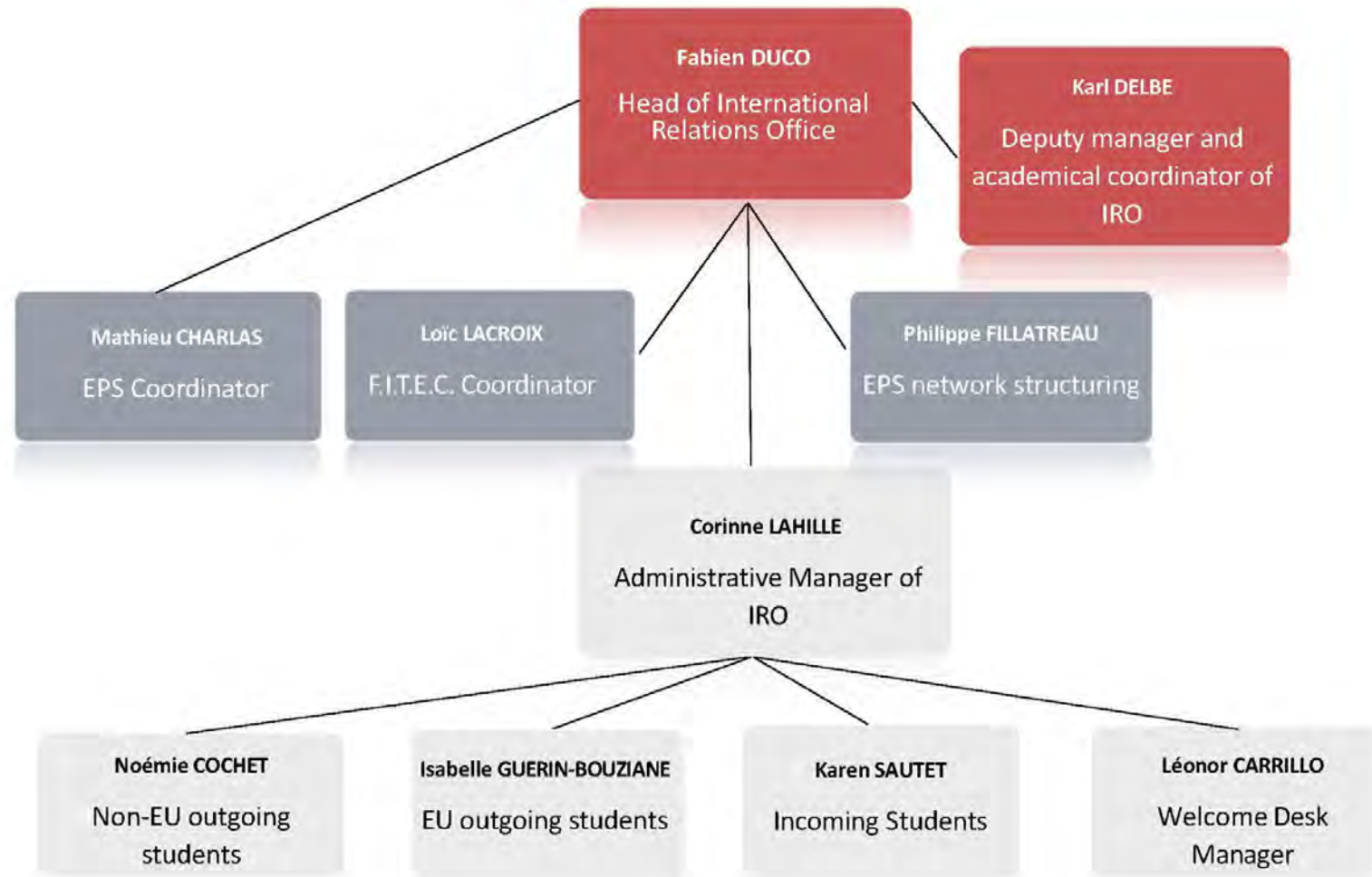
3. Mobility in English at ENIT

- In European Project Semester (EPS)
 - ✓ Industrial project in English between 3 - 4 students
 - ✓ The only French institution offering the EPS
 - ✓ Partnerships with 19 European universities
 - ✓ Prerequisites: English B2 - 120 ECTS validated
 - ✓ Calendar: Application deadline
 - > Fall semester: December 15
 - > Spring semester: May 15

3. Mobility in English at ENIT

- As part of a Semester of Research Initiation Project (SPIR)
 - ✓ Can be an end-of-studies project
 - ✓ Validated bachelor level (3 years of university studies)
- Within the framework of a Master Industry 4.0 degree
 - ✓ Master's degree in partnership with the University of Pau and Pays de l'Adour
 - ✓ B2 in English required
 - ✓ Bachelor's degree or equivalent

4. Our DRI(M) TEAM



5. Our partners



Cofinancé par
l'Union européenne



THANK YOU FOR YOUR ATTENTION

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