

ENSAIA-UL educational programmes

Key numbers

INITIAL EDUCATION
>60 000
Students
17.4% international students

BUDGET
630 million euro

HUMAN RESOURCES
3,900
Faculty
13,7% intl
3,000
Technical & Admin Staff



Founded in 1572
Merger of 4
former universities
in 2012

FACILITIES
54 locations
in Lorraine
900 000 m²
for **262** buildings

60 libraries

About 12000
students involved
in entrepreneurship
programs

RESEARCH
60 research centers
175 patent families
1,809 PhD students
14% international joint PhDs
1/3 of scientific
publications are co-written
with foreign scientists

Main education areas

- Science and Technology
- Graduate Schools of Engineering
- Undergraduates in Technology
- Health, Pharmacy, Odontology, Sport
- Law, Economy
- Management, Innovation
- Humanities and Social Sciences
- Arts, Literature, Languages
- Teacher training, Adult training (LLP)



48 entities:
faculties, schools
or institutes

Education to and through research

Diplomas:

Master, PhD (- Habilitation)



• In a Doctoral School

➤ Scientific training

and a Research Group

➤ Methodological, interdisciplinary education, preparation to professional activities

- 14% of joint PhDs out of ~1800 PhD candidates
- 46% of total are international PhD candidates
- 23% of total have a non-French Master degree (i.e. come directly from abroad)



HR EXCELLENCE IN RESEARCH



Entrepreneurial training

- | | |
|--------|---|
| #1 | • First entrepreneurial university in France (2015-2016-2017) |
| 12 000 | • Students informed
(+ 20 000 through social networks) |
| 287 | • Student entrepreneurs / year |
| 192 | • Initiatives |
| with | • Specific methods |

Learn to design, learn to combine
Learn to take risks
Learn to use networks



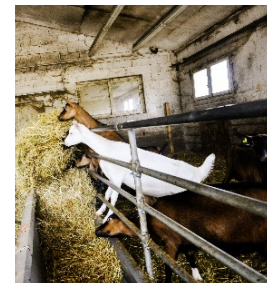
A European University



- French-German strategy
- First French university for European outgoing mobility
- 8 Erasmus Mundus Joint Master Degrees
- LUE Future Leader ERC Track
- H2020, MCSA...

Ecole Nationale Supérieure d'Agronomie et des Industries Alimentaires

- Agriculture
- Food
- Biotechnology
- Environment



FOCUS



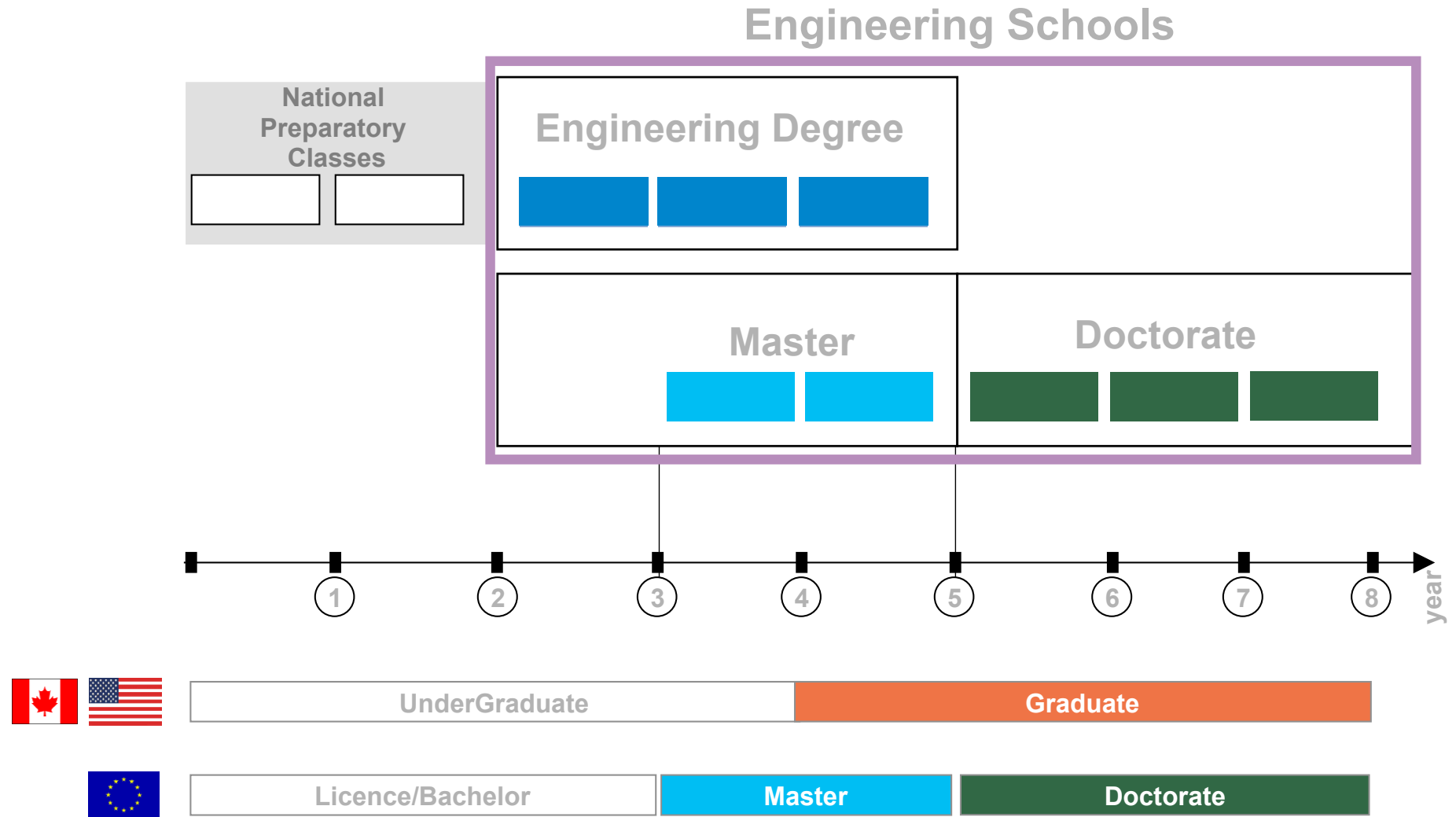
- 1893: Creation of the school of **Brewery**
- 1901 : Colonial **Agriculture** Institute of Nancy
- 1905: creation of the school of **Milk**
- 1948 : creation of the school of **Agronomy**
- 1971: 3 schools merge to yield ENSAIA in INPL
- 2012 : INPL merges with 3 regional universities
 - ➡ ENSAIA is part of the Lorraine-INP College
in the *Université de Lorraine*

ENSAIA TODAY



- 3 degrees (Graduate Master of Engineering) accredited by CTI (national accreditation comity for Engineering schools) with 3 specialities:
 - Agronomy
 - Food Industry
 - Food Production (apprenticeship)
- 600 students
- 170 awarded students /year
- 60 teaching/research staff
- 5 master degrees (parallel to the last year of MEng. degrees)
- 40 partnerships with foreign universities
- 5 research laboratories attached to National Research Centers (CNRS & INRA)
- National networks: CGE, CDEFI, GRGEL, Groupe INP
- International networks: L-INP, Agreenium Institute, n+i

FRENCH ENGINEERING SCHOOLS & OTHER ACADEMIC SYSTEMS



ORGANIZATION OF ENSAIA

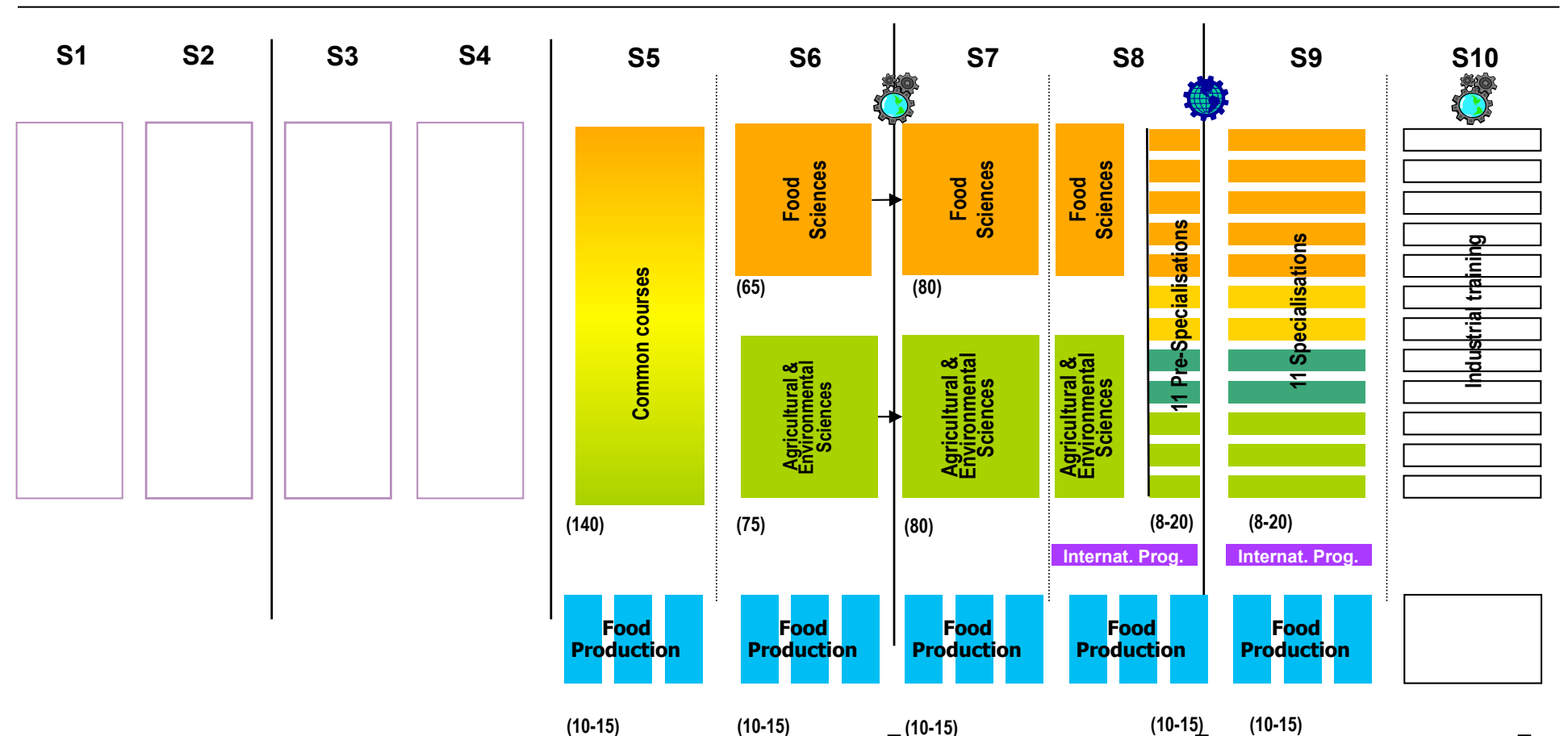
3-year engineering training

Preparatory Classes
(2 years in a *dedicated* university)

1st year at ENSAIA

2nd year at ENSAIA

3rd year at ENSAIA



Common courses

Agricultural & Environmental Sc.

Food Sc.

Training period

Abroad experience

(n) : size of the student cohort

SPECIALISATIONS



IN APPRENTICESHIP



COMPLEMENTARY MASTERS



ENVIRONMENTAL
SCIENCES
& ENGINEERING



AGRICULTURES &
TERRITORY
DEVELOPMENT



SUSTAINABLE
AGRICULTURAL
PRODUCTION



CROPS
PROTECTION



AGRO- AND
FOREST
ECOSYSTEMS



BIOTECHNOLOGIES



ACTIVITIES, PROJECTS
& INNOVATION MANAGEMENT



Masters
- Business Administration
- Corporate Economics
- Entrepreneurship



FOOD
FORMULATION



INDUSTRIAL
DEVELOPMENT



DAIRY PRODUCTS,
QUALITY CONTROL



SUPPLY
CHAIN
MANAGEMENT



PACKAGING



FOOD
PRODUCTION



INTERNATIONAL
PROGRAM



EXPORTS ENSA

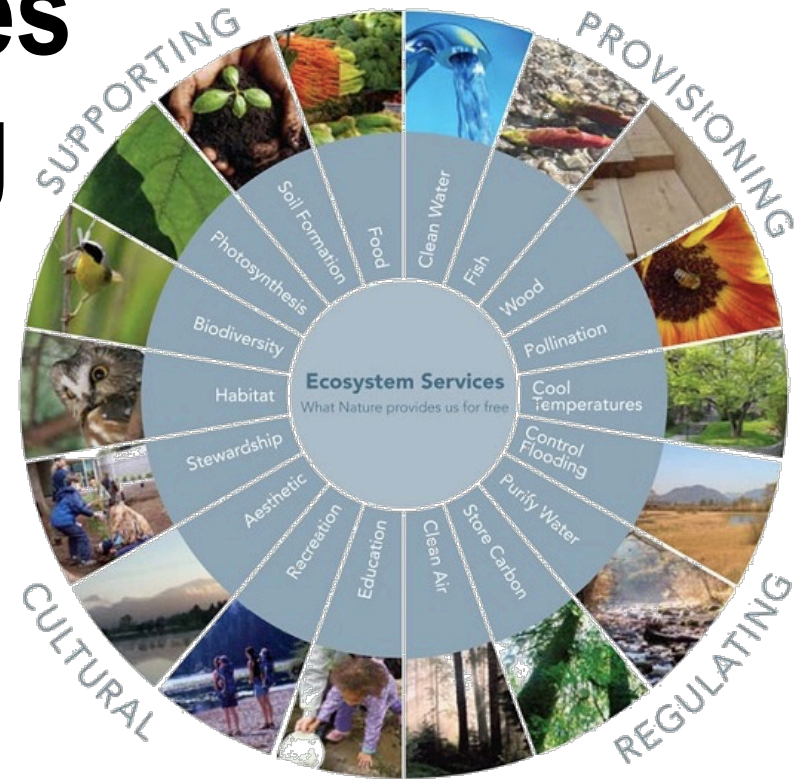


UNIVERSITÉ
DE LORRAINE



Environmental Sciences & Engineering Training

From knowledge to know-how



Co-funded by the
Erasmus+ Programme
of the European Union



building urban intelligent
living design solutions

What is SGE's training?

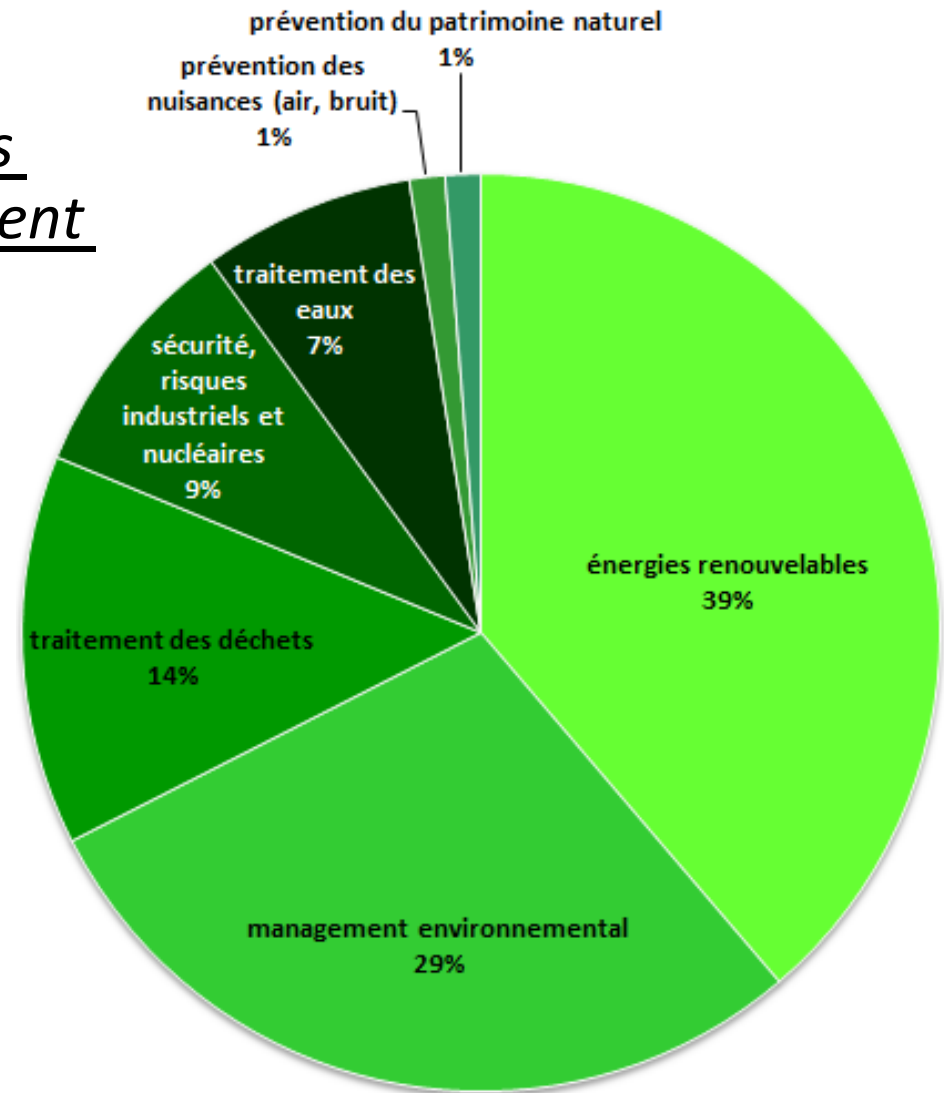
- This training have been existing for more than 20 years
- 15 to 25 students graduated every year
- 6 months in ENSAIA (lectures, project management, visits)
- 6 months of training period
- High supervision rate of all students



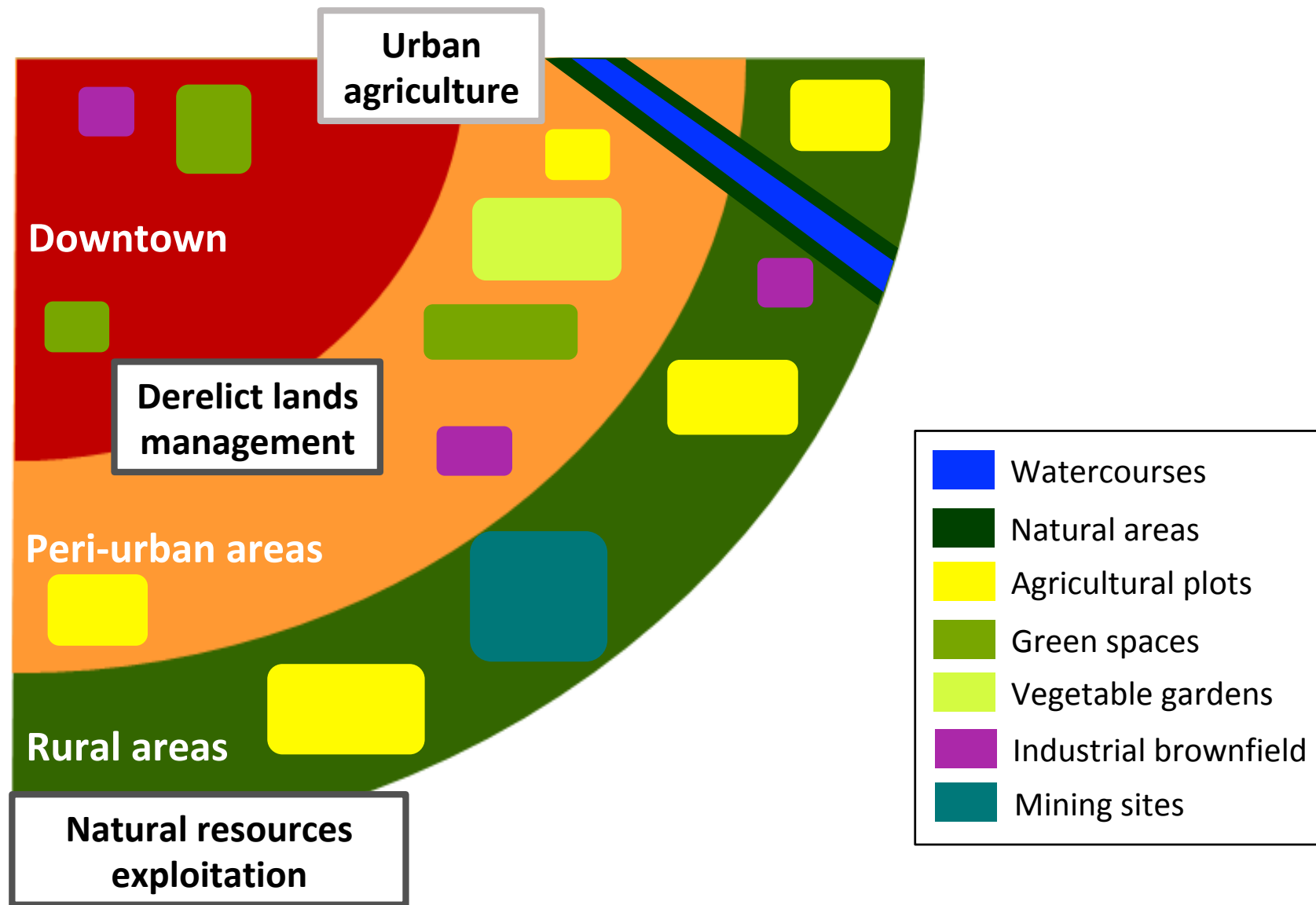
Employment of our graduated students

- Business areas:

- *Consultants in the areas of renewable energies, wastes management & water treatment*
- *Project manager in the areas of urban agronomy, decontamination*
- *Environmental manager*

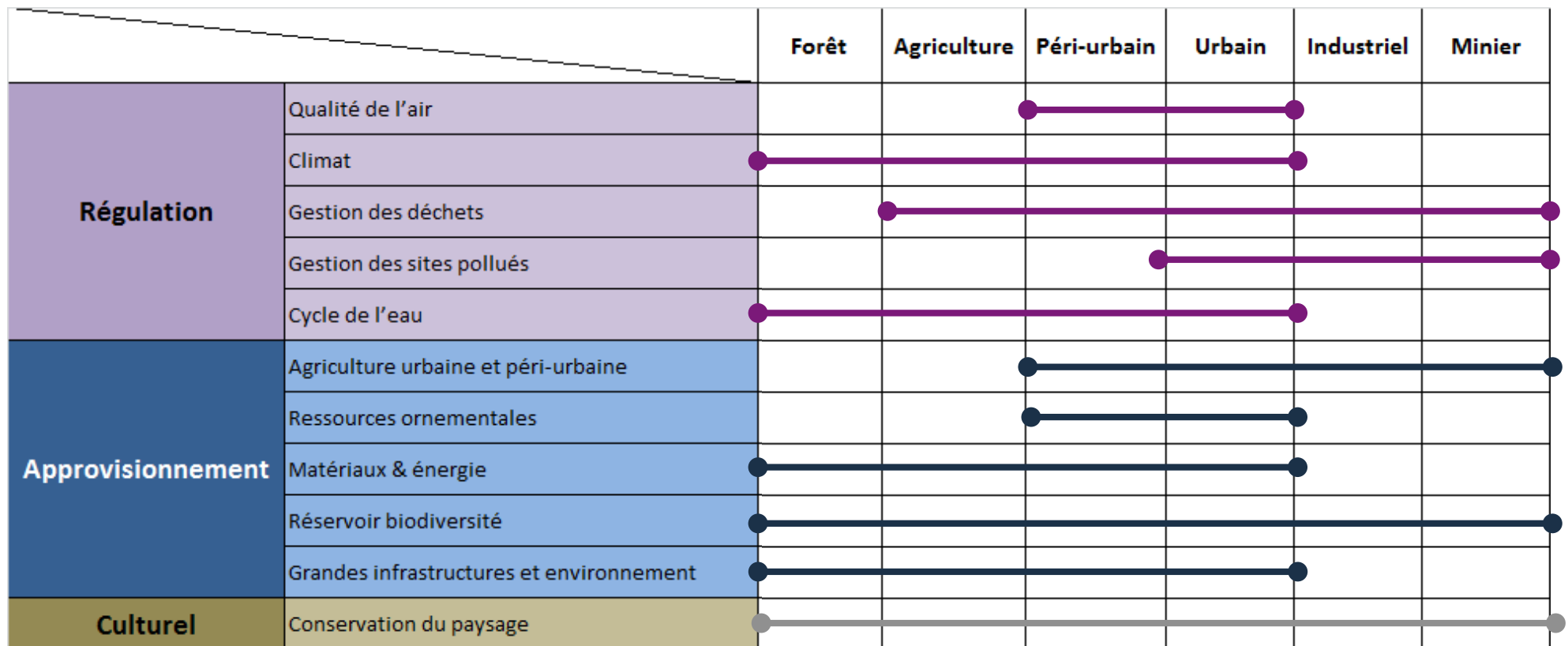


Program of the training



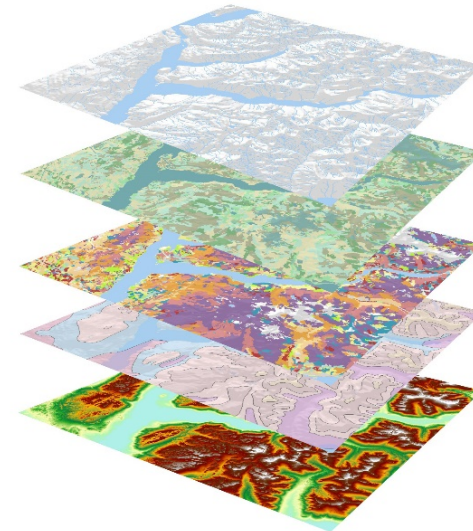
Program of the training

- Knowledge about ecosystem services across a gradient of anthropisation



Program of the training

- Knowledge about ecosystem services across a gradient of anthropisation
- « Engineer skills »:
 - Geographic Information System
 - Modelling and Decision Support System
 - Environmental Law
 - Communication
 - 2 Foreign Languages



Program of the training

- Project Management (examples from the past years):
 - Ni agromining in Albania (*ECONICK*)
 - Pollution and fertility diagnosis of a contaminated shoe-brownfield (*Fondation de France*)
 - Ecolabelling of Parc Verlaine (*Ville de Nancy*)
 - Design of an urban farm (*Ecole d'Architecture de Nancy*)
 - Carbon Balance of ENSAIA (*Université de Lorraine*)
 - Restoration of oligotrophic habitats (*Conservatoire d'Espaces Naturels de Lorraine*)

OUTGOING MOBILITY



PRACTICAL TRAINING



- 1st year
2-week placement in a farm
4-week placement as worker in the industry
 - 2nd year
13 week placement abroad
 - 3^{dr} year
6-month Engineer training period (final project)
- +
- Gap year
3-12 month training period between
2nd and 3rd year

1st FAIR SCHOOL



ENSAIA

1st academic institution in France
which has received the label

« **Fair University** »

Septembre 2017

- Fair Trade and Sustainable Development is a guideline of the programme: Short food supply chain, local products, control of environmental impacts of agriculture, Sustainable development and innovation
- Professional Projects on Fair Traders directory, on Fair Events,...
- SAIAMAP : Community-supported agriculture
- La KAL : 100% organic and local « toast »



on Facebook



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