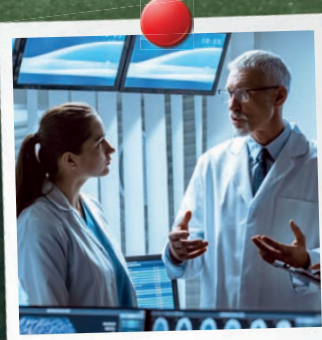


HIGHER
EDUCATION,
RESEARCH &
INNOVATION
REGIONAL
STRATEGY
2020-2030

3 ambitions



*Help them succeed
in their studies*



*Stimulate
our talents*



*Increase
territorial impact*



Editorial



Since the NOTRe law of 2015, the powers exercised by the different local authorities and the state have changed. The Grand Est Region is increasing its legitimacy in managing territorial policies in higher education, research and innovation (ESRI).

On 9 July 2020, the Regional Council adopted the **Regional Strategy for Higher Education, Research and Innovation (SRESRI), developed in tandem with the other regional schemes.**

The Grand Est Region put together this strategy through **extensive consultation, based on meetings and conversations and drawing on a report featuring 70 proposals** which I had entrusted in 2019 to the former member of parliament for Meurthe-et-Moselle and the former president of the Parliamentary Office for Scientific and Technological Assessment, Jean-Yves Le Déaut.

These proposals and consultations cemented our desire to focus our efforts on two ambitions.

The first is to **nurture and develop the academic and scientific excellence of our establishments**, demonstrating an increased capacity for innovation to the advantage of our companies.

The second is to **develop a cohesive and attractive education offer** that reflects both the specificities of our area and the requirements of our companies.

For the region, higher education, research and innovation are an **essential factor in the dynamism and influence of our area and our economy.**

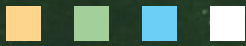
The public health, economic and social crisis we are living through has made the Grand Est Region all the more determined to take concrete action to benefit the area. This is the challenge of the Business Act Grand Est, an economic stimulus and recovery plan adopted in July 2020.

Backed by stakeholders in the ecosystem, the SRESRI is becoming an implementation factor to help transform the area. Because young people are the future of our area and our companies, it is essential to provide them with the tools and means to learn and to innovate in order to restore hope in these times that are so difficult for us all.

By 2030, these ambitions should translate into three relatively simple objectives: **increase the number of students by 20%, increase the proportion of higher education graduates by 50% among those aged 30-34 and double private R&D expenditure.**

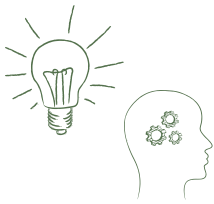
Now that we have explained "why", let us show you "how" with this brochure.

The President of the Grand Est Region



HIGHER EDUCATION AND RESEARCH IN THE GRAND EST: A FEW POINTS OF REFERENCE

Research and Innovation



1

Domestic Expenditure on Research and Development (DIRDE):

- €2.1Bn in 2017
- 1.36% of regional GDP (5.62 in Baden-Württemberg/1.27 in Luxembourg/2.41 in Rhineland-Palatinate/2.67 in Wallonia/1.75 in Saarland)
- 9th in France

2

Domestic Expenditure on Research and Development by administrations:

- 1 Bn per year
- 0.63% of regional GDP
- 6th in France

3

Domestic Expenditure on Research and Development by companies:

- 0.73% of regional GDP vs. 1.44% national
- 11th in France

4

- **11 000 researchers**, 5,000 of them in the private sector.

Higher education

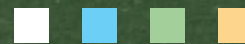


40.2% of higher education graduates
among those aged 30-34 (vs. 45.5% for mainland France)

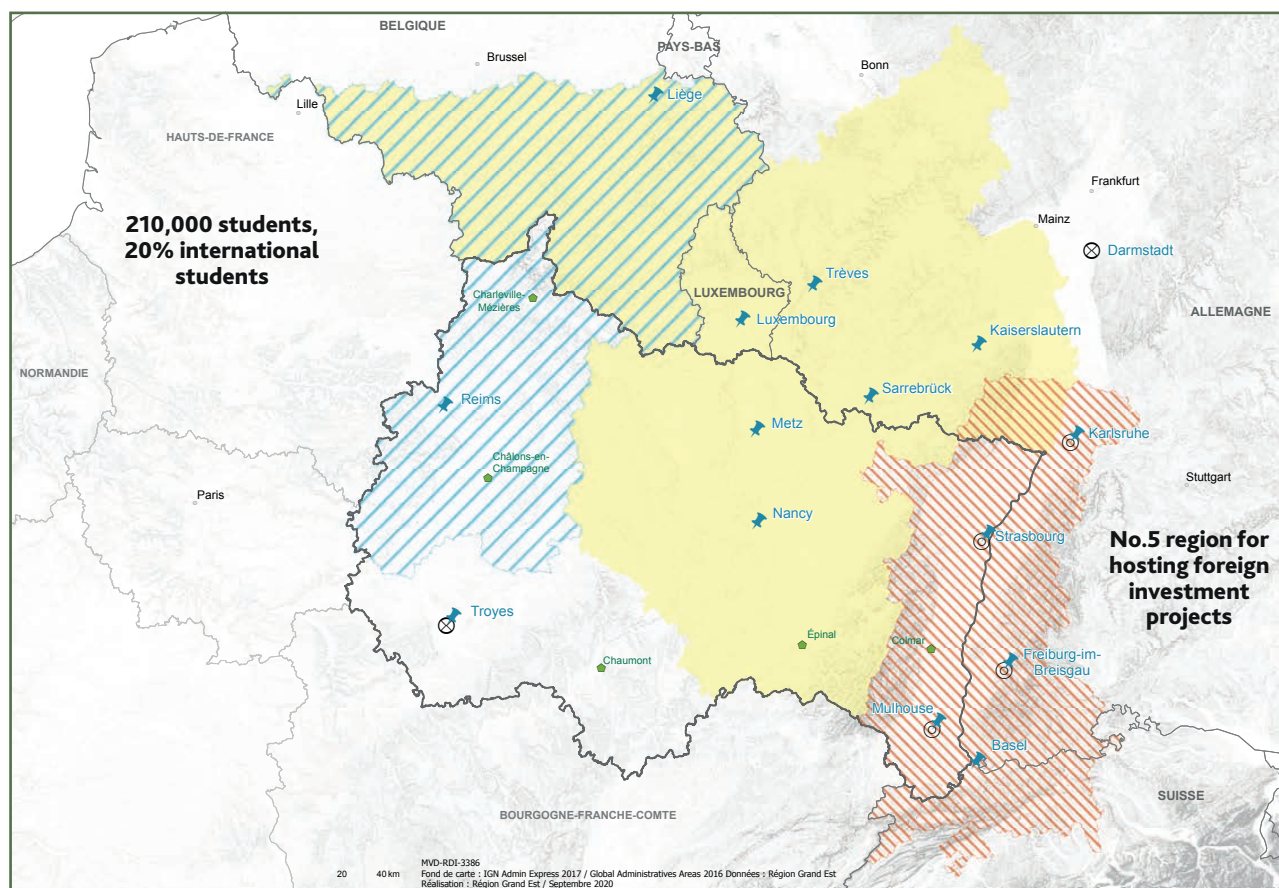
77% of those who pass the baccalaureate go on to
higher education (vs. 80% for the rest of the country)

Nearly **210, 000** students (or 8.1% of the national total)
5th largest number of students in France

20% international students



THE GRAND EST: AN ATTRACTIVE EUROPEAN REGION



Higher Education and Research (ESR)



Hub



Other establishment in Grand Est

European university



EPICUR : European Partnership for an Innovative Campus Unifying Regions

- Adam-Mickiewicz University, Poznan (Poland)
- University of Amsterdam (Netherlands)
- Aristotle University of Thessaloniki (Greece)
- Albert Ludwig University of Freiburg (Germany)
- University of Haute-Alsace (France)
- Karlsruhe Institute of Technology (Germany)
- University of Natural Resources and Life Sciences, Vienna (Austria)
- University of Strasbourg (France)



Eut + : European University of technology

- Technical University of Sofia (Bulgaria)
- Cyprus University of Technology (Cyprus)
- University of Technology of Troyes (France)
- Hochschule Darmstadt, University of Applied Sciences (Germany)
- Technological University Dublin (Ireland)
- Riga Technical University (Latvia)
- Technical University of Cluj-Napoca (Romania)
- Polytechnic University of Cartagena (Spain)

European network



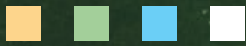
EUCOR: the European Campus of the Upper



Rhine UniGR: University of the Greater Region



Champagne-Ardenne Wallonia



REGIONAL PRIORITIES

2 development issues:

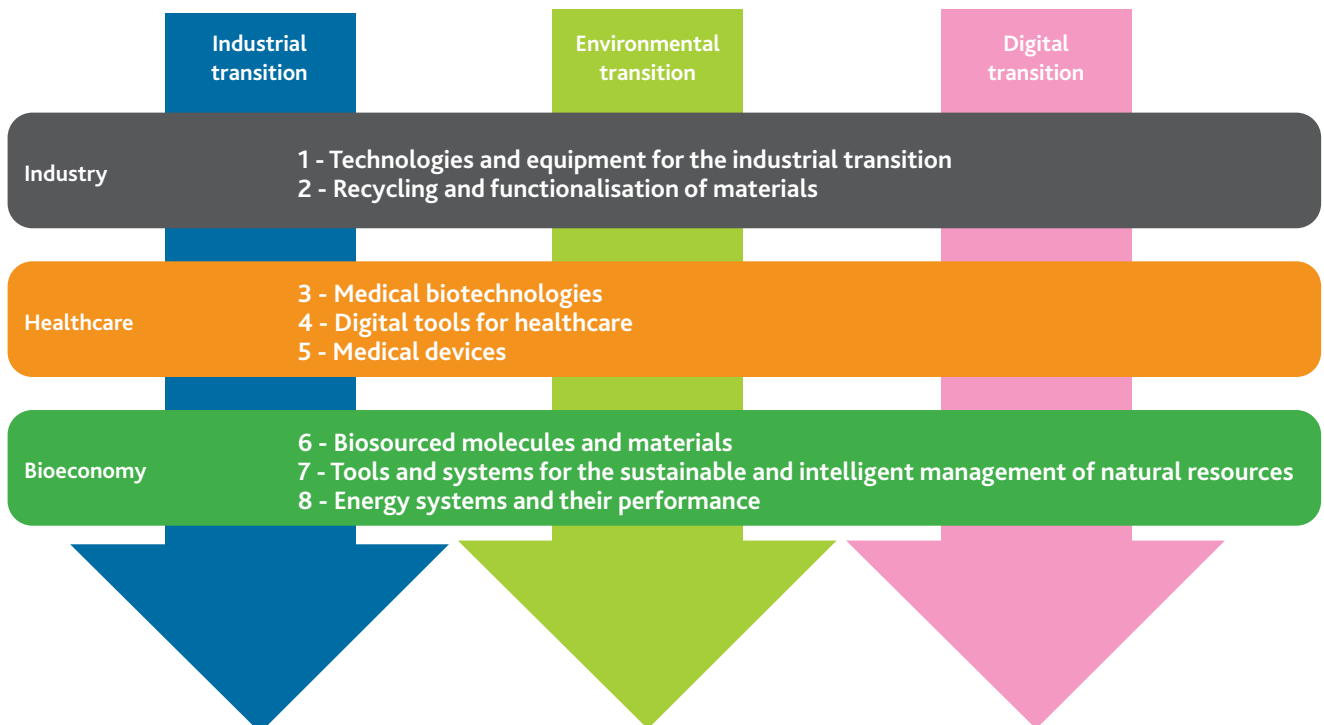
- Attracting high-level talent (researchers, students, entrepreneurs, etc.) to capitalise on and disseminate knowledge and promote their integration/employability on the job market.
- The transformation of research and skills into innovation to the benefit of regional companies in order to strengthen their competitiveness and turn future transitions into development opportunities.

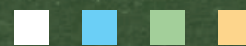
3 strategic priorities:

The SRESRI is focusing its resources on 3 transition priorities for the regional economy:

- **digital**
- **environmental**
- **industrial**

8 market-focused sectoral priorities (Smart Specialisation Strategies – S3):





2.5 BILLION EUROS OVER 10 YEARS FOR HIGHER EDUCATION, RESEARCH AND INNOVATION

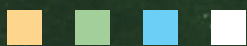
The Region will play a driving role and act as a catalyst by investing **€600M** over this period.

Every regional euro invested will generate an **€3**.

By 2030, the Grand Est Region has set itself the following objectives:

- regional DIRDE of **1.5%** of GDP (compared to 0.73% in 2017)
- **60%** of those aged 30-34 are higher education graduates (compared to 40.2% in 2016)
- **250,000** students in Grand Est establishments (compared to 210,000 in 2019)
- **90%** of students enrolling in higher education after the baccalaureate (77.13% in 2015)





3 AMBITIONS, 14 OBJECTIVES

AMBITION 1 - HELP STUDENTS TO SUCCEED: ENCOURAGE INCLUSIVITY, WELL-BEING AND ACCESSIBILITY TO ALL STUDENTS

The issue of qualification among the population is fundamental for the Grand Est insofar as the area has a low proportion of higher education graduates among those aged 30-34 (40.2% in 2016 compared to 45.5% for mainland France).

Objective 1: enhance the higher education offer in the Grand Est

→ Facilitate the choice of studies in line with their personal aspirations so they can quickly join the job market, in a context of developing professions

Objective 2: improve students' living standards during their studies

→ Help to remove obstacles in terms of access to healthcare, transport, food and accommodation so that they can concentrate on their studies

Objective 3: launch the University 4.0 programme for new forms of teaching

→ Following on from the "Lycée 4.0" programme, support higher education establishments in implementing new forms of distance learning in order to mitigate any unforeseen circumstances and include as many people as possible

Objective 4: promote the development of soft skills

→ Encourage students to increase their experience in order to develop life skills, which are as scrutinised and prized by employers as technical skills

Objective 5: increase understanding of actions carried out relating to student life

→ Along with stakeholders, build a partnership to identify student issues and closely monitor their needs



Focus on action 4: mobilise the LOJ'Toit Jeunes© platform network to benefit students

These platforms help young people to access accommodation. Encouraging them to take action now involves developing information campaigns, managing the network of professionals in areas under strain, considering how to develop the accommodation offer in areas under strain, and calling on partners in the region to help increase the accommodation offer and to secure backers and young people.



"The aim of regional stakeholders, in partnership with higher education, must be to improve students' living standards and health and facilitate access to sporting and cultural activities. Student life and its resultant commitment promotes social ties and inclusivity and helps to combat isolation and dropout rates and support them in their success."

Laurence CANTERI,
Vice-President of Academic Life at the University of Lorraine

AMBITION 2 - CREATE A STIMULATING SPACE FOR DEVELOPING OUR TALENTS

Given the unfavourable population dynamics (the Grand Est has 8.2% of 24-year-olds from the national territory but there has been a 9% drop in this population in the Grand Est), the region needs to reinforce the position – not only on a national level, but also in Europe and internationally – by attracting and keeping high-levels skills in the area, in partnership with existing infrastructures.

Objective 6: promote mobility pathways for researchers from the Grand Est

→ Encourage the mobility of researchers from the Grand Est to develop their skills and create collaborative research dynamics

Objective 7: cement the appeal of local areas by reinforcing our research capacities

→ Support outstanding facilities and their associated research skills in order to cement our local scientific quality



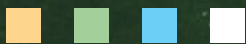
Focus on action 15: attract research skills and support integration policies

The region will support the necessary powers in backing these leading research infrastructures to conduct associated research projects. The tools put in place aim to strengthen dedicated teams to create skills hubs integrated into transition institutes and designed to enhance knowledge production.

The system targets PhD students, young researchers and high-level researchers and offers to support them in existing attractiveness programmes and/or projects relating to the regional and political themes of research

establishments, with a particular focus on the industrial, digital and environmental transitions identified as part of the Business Act Grand Est.





Objective 8: increase our international visibility

- Draw on European ESRI spaces to build and structure cross-border and international partnerships through European universities and research networks



Focus on action 17: support the structuring of thematic research networks

The region will support all initiatives seeking to create thematic networks with a European focus, as long as these approaches fall within the context of the 3 transition institutes or regional themes/issues.

Objective 10: create a Young Entrepreneurs regional pathway

- Support the entrepreneurial spirit of young people from the Grand Est by mobilising all existing stakeholders and tools in the area

Objective 11: facilitate understanding of major scientific and societal issues

- Professionalise stakeholders in scientific, technical and industrial culture, bring this culture closer to local areas, promote scientific skills through digital media

Objective 9: promote mobility pathways for researchers from the Grand Est

- Increase the influence of the area by showcasing the excellence of its research and education offer by highlighting remarkable courses and supporting large-scale events



"The socioeconomic wealth and strong dynamic of a region at the cutting edge of technology, based on structuring research projects, are key to attracting eminent researchers and form a springboard for the emergence of promising young scientists who are world leaders in the making. An interdisciplinary scientific landscape, as stimulating and innovative as possible, in the Grand Est is the ideal environment for the emergence of new scientific stars and technological revolutions."

Prof. Paolo Samori
Director of the Institute of Supramolecular Science and Engineering

AMBITION 3 - REINFORCE THE LOCAL IMPACT OF HIGHER EDUCATION, RESEARCH AND INNOVATION

To best plan for societal changes and enable local companies to benefit from the academic excellence of the Grand Est, the SRESRI is focusing its action on developing courses in line with the needs of regional companies and on promoting research and technology transfer. The investment of local companies currently represents 0.67% of GDP in R&D compared to a European objective of 2%.

Objective 12: develop skills directly suited to the needs of the regional economy

→ Draw on higher education establishments to meet the skills requirements of regional companies and structure themed education and training networks



Focus on action 27: support a 2021-2023 Grand Est Pact for Skills

This involves supporting projects initiated by higher education establishments which relate to courses linked to the skills requirements of companies. These projects should help higher education establishments to take root in the local economic fabric and promote solutions in terms of the skills required for the competitiveness of companies in the Grand Est, and should help attract talents and keep skills in the area.

Objective 13: accelerate the transformation of research into innovation

→ Encourage science jobs in local companies, incite them to seek out the expertise of research and transfer skills and draw on the work of Technology Transfer Acceleration Companies to promote the emergence of innovation projects



Focus on action 30: contribute to industry chairs developed with local companies

The region is supporting the implementation of industry chairs in partnership with three transition institutes in order to strengthen connections between academic research and companies by creating a high-level research environment. This regional support aims to pave the way for the launch of new, one-off chairs over 3 to 5 years in response to local issues.

Objective 14: structure the technology transfer offer to benefit companies

→ Identify and support the service offer of academic and transfer platforms and organise its dissemination among companies



"The higher education, research and innovation strategy of the Grand Est Region strongly promotes collaboration and synergies between establishments. As such, NEOMA Business School is working closely with other establishments in the region through joint research projects and educational partnerships. The creation of an ecosystem such as this promotes the development of expertise hubs and synergies with the region's economic stakeholders, for example relating to themes such as the bioeconomy or luxury goods sector."

Delphine MANCEAU,
Dean of NEOMA Business School

Find out more about the SRESRI
www.grandest.fr



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