Ambition and objectives

The Sciences, Technology and Society PFR (STS) will group together multidisciplinary entities, based on science and technology and characterised by a strong link with the professional world. It will comprise the four IUTs (Lyon 1, Lyon 3, Saint-Étienne, Roanne), the Lyon 1 Mechanics department and the Lyon 3 Info-Com department.

The PFR will draw on its high-quality academic activity in its aim to respond to the societal challenges of tomorrow, within its field of excellence. Through the diversity of its internal entities, the PFR brings together a unique ecosystem, with a broad spectrum of disciplines, in science as well as in technology, humanities and social sciences.

The STS PFR will be responsible for training more than 10,000 students. It will offer each student a professionalising path at all levels of training. Its training courses will be divided into skill sets, at all levels.

The STS PFR will provide undergraduate (Bachelor’s), Master’s and doctoral training, as well as lifelong learning (FTLV), based on a pedagogy of autonomy. It will develop interdisciplinary technological research oriented towards innovation and will train students for employment, enabling them to understand the ways in which technology interacts with individuals and society, equipping them to evolve in a competitive global environment, with a view to sustainable development.

The strength of this innovative project also lies in the composition of its diverse community, which shares common values and ambitions, and a common vision of the evolution of higher education, with the objective of excellence in research and training in the various fields of competence. In terms of training, one of the key elements is to create an institute of technology (école supérieure de technologie), similar to the Swiss higher education institutes (hautes écoles supérieures).

To achieve its ambitions, the PFR will rely on approximately 300 professors, 300 lecturers and 250 administrative, technical and library staff.

Training

The STS PFR’s study programme will cover a wide range of disciplines based on the most recent scientific and technological advances, combined with a pedagogical approach that develops autonomy, a sense of responsibility and the acquisition of operational skills. It will place the student at the centre of the training provision, combining career plans and skills assessments to facilitate entry into professional life. The PFR will draw on its rich collaborations with the socio-economic world and a network of participants, partners and former students in all sectors.

From 2020, the structure of the PFR’s study programme will mean that it is possible to cross over to other Target University PFRs and to develop collaborations. The STS PFR’s undergraduate study programme will contribute to the emergence of the Lyon Institute of Technology (École supérieure de technologie de Lyon).
The Master’s courses offered by the STS PFR will be developed in collaboration with socio-economic circles, mainly in apprenticeship and work-study programmes. These courses will aim to produce graduate students with high employability, while at the same time providing access to the international arena by building exchange and joint-degree relationships with other international universities, particularly in Europe.

These training courses will be based on technological and societal research at the highest level, within their fields of excellence and expertise. They are primarily designed for the best graduates from undergraduate technological courses.

**Lyon Institute of Technology (École supérieure de technologie de Lyon, “EST de Lyon”)**

The mission of the EST de Lyon will be to develop the professionalisation of Bachelor’s courses, in particular through work-study programmes and in conjunction with the EU1C. The EST de Lyon will build its training courses jointly with the professional branches, particularly in priority sectors, with a strong involvement of the site’s professions in all campus projects.

It will develop links between professionals and trainers in order to ensure that teaching is coherent and continually updated.

Its modularised degrees backed by a skills reference framework make it possible to maintain transition points with lifelong learning.

The EST de Lyon will contribute to the Target University’s post-baccalaureate orientation schemes and the construction of transition points.

The four IUTs (University Institutes of Technology) will be responsible for developing the EST de Lyon. One of the IUT directors will be responsible for managing the EST de Lyon.

**An international-facing PFR**

The PFR will build on ongoing international activity, based on a large number of existing partnerships (Erasmus, etc.), and on a high level of mobility, including several international training courses delivered entirely in English. The objective is to join forces to:

- Develop the number of incoming and outgoing partnerships, both for students and staff, in order to increase cultural diversity;
- Develop an attractive study programme, entirely in English, based on the model of certain degrees already offered within the PFR; and
- To develop off-site training courses and joint-degree mechanisms.

**Research and innovation**

In terms of research, the STS PFR will be structured into research themes to respond to societal challenges. The themes will be shared and managed by the PFR’s research department and by the various research laboratories affiliated to the PFR (primary or secondary affiliation).

A proactive policy for attracting new professors will be developed.

The PFR will provide research units with its technological platforms and specific resources to address university/company technology transfer issues.

The STS PFR’s research will be grouped around a general theme focused on technological and societal challenges. This theme is “industries of the future”: industry 4.0, digital technology and its
applications in science and technology, science and technology for health, sustainable cities, information-communication and society.

In order to build an ecosystem conducive to collaborative work for innovation, the STS PFR will contribute to the Target University’s innovation and entrepreneurship policy. In particular, it will provide access to its many educational and technological platforms.

### Resources

In addition to the resources generated by its academic activities, its promotional activities and the strong financial support of the socio-economic world, the STS PFR will receive financial and human resources allocated by the Target University within the framework of a multiyear COM. These resources will be used to support the PFR’s three fundamental missions.

Driven by a strong ambition to innovate, both in pedagogy and research, the PFR will devote a significant part of its own resources, in addition to recurring resources, to developing original, structuring and unifying projects in the areas of its expertise. This policy will be driven by the collaboration and international openness of the PFR’s training and research activities.

### Governance

The PFR’s organisation will be based on collegial management, sharing best practices and strengths and integrating individual specificities; a management committee, representing all of the PFR’s entities (training/research); a PFR board, the deliberative body, including designated socio-economic partners; and the PFR’s internal regulations, which will depend on the authority defined centrally and the PFR’s degree of autonomy.

#### PFR management

The PFR director will be appointed by the president of the Target University, after consultation with the PFR. He will be a member of the Target University’s COMEX.

#### PFR board

The board will be the PFR’s decision-making body. It will be comprised of a maximum of 40 members, including elected faculty member representatives; elected student representatives; elected BIATSS staff representatives; and at least 25% outside members (from the regional socio-economic environment).

#### Management team

The PFR will be headed by a director, assisted by a management team that will include the deputy director in charge of research, the deputy director in charge of training and the PFR’s administrative director.

#### Management committee

The PFR will have a management committee, which will include, in addition to the management team, a representative of each of the PFR’s internal structures, the PFR’s student representative, the PFR’s staff representative, project managers and the PFR’s department heads.
**Research commission (CR)**

The research commission will be responsible for distributing the resources allocated by the Target University under the terms of the COM and for the PFR's own resources, mobilised to support its research activities. To do this, it will rely on an office that includes the director, the deputy director in charge of research and the directors (or their representative) of the research laboratories whose primary affiliation is with the PFR. The directors of research units with a secondary affiliation to the PFR may also be invited to research commission meetings.

**University Training and Campus Life Commission (Commission formation universitaire et vie des campus, CFUVC)**

The University Training and Campus Life Commission (which acts as the PFR’s training commission) will be responsible for ensuring compliance with the training guidelines defined by the Target University. It will organise training within the PFR, monitor the various indicators and allocate resources. It will examine and give its opinion on new training courses, on initiatives for innovative, new pedagogical practices, and on student or staff projects concerning campus life.

It will include the director, the deputy director in charge of training, the various project managers by type of training, and elected teaching staff and students.

**Links with other PFRs**

Because of its wide range of subject areas, the STS PFR will have many connections with the other PFRs. These interchanges may be based on structures or commissions dedicated to training and research, and shared between PFRs. Another possibility would be for the deputy research directors of the partner PFRs to be closely associated with the PFR's research commission, on a reciprocal basis, by being stakeholders.