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Public

Environmental and Social Data Sheet¹

Overview

Project Name:	CAMPUS POLYTECHNIQUE
Project Number:	2021-0624
Country:	FRANCE
Project Description:	The Project concerns the deep renovation and restructuring of Ecole Polytechnique's (EP) main educational building situated at the heart of its campus in Palaiseau, on the Saclay Plateau south of Paris, France. The Project also comprises the construction of a new laboratory building replacing obsolete facilities as well as the renovation and modernisation of EP's existing main laboratory building. In addition, the Project includes the relocation of several smaller buildings used by EP's technical services team to make space for a green area in line with the plateau's master plan.
EIA required:	no
Invest EU sustainability proofing required	yes
Project included in Carbon Footprint Exercise ² :	no

Environmental and Social Assessment

Environmental Assessment

The construction and/or renovation of universities and scientific institutions are covered by Annex II of the Directive in relation to urban development. Due to the continued use of the renovation and construction projects, the small size of the new constructions and the fact that the projects are all located outside an urban environment, the need for an EIA was not required by the relevant competent authority and the projects have been screened out.

¹ The information contained in the document reflects the requirement related to the environmental, social and climate information to be provided to Investment Committee as required by the Invest EU Regulation and it represents the equivalent of the information required in the template of the InvestEU sustainability proofing summary

² Only projects that meet the scope of the Carbon Footprint Exercise, as defined in the EIB Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: 20,000 tonnes CO₂e/year absolute (gross) or 20,000 tonnes CO₂e/year relative (net) – both increases and savings.



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The Promoter plans to replace prefabricated modules dating from the 70s and 80s, which consume a lot of energy, with new buildings that comply with current environmental regulations. These demolitions and reconstructions are part of a master plan covering the entire campus.

Consequently, these reconstructions are moved close to the existing locations in order to harmonise the urbanisation of the campus and to improve the safety of users.

New construction and renovations will aim to use the best available technology to achieve the energy performance necessary to comply with national NZEB requirements. The Project components will also seek to include renewable energy, most likely solar photovoltaic panels, possibly solar thermal panels and connections to the existing district heating system on the Campus where possible for space heating.

Each of these investments will aim to improve the energy performance of the buildings using the best available technology through a combination of improved heating, ventilation and cooling systems and the replacement of single glazing with better performing glazing.

The EIB will require the Promoter to provide a copy of the building permits for the new buildings when available and “Certificats de Performance Energétique” (CPE) and the completion of the works.

The Promoter has confirmed that the Project components are neither located in a Natura 2000 site nor in other designated or protected sites.

The Project has been assessed for Paris alignment and is considered to be aligned both against low carbon and resilience goals.

Finally, the Project will contribute substantially to the Bank’s objectives of Climate Action and Environmental Sustainability by supporting investments that contribute to reducing carbon emissions.

Climate Assessment

Renovation projects are major renovation projects and will significantly improve the energy performance of these buildings and fall under the definition of a large-scale renovation as defined in the Energy Performance of Buildings Directive 2010/31/EU. As all renovations are considered to be substantial renovations, the total investment cost of each element is considered to contribute to the mitigation objective of the climate action (energy efficiency). The laboratories project includes the demolition of obsolete and energy-intensive buildings and their replacement by new construction in compliance with the NZEB regulation.

The Project is expected to include climate change adaptation measures.

Based on the information provided by the Promoter, the emissions for renovations and new constructions are in the order of 14.26kgCO₂/m²/year. The Project scope concerns construction and renovation of approximately 50 936 m² in total, of which 5 000 is new construction. The new and refurbished buildings will all exceed the local regulations. Based on these assumptions, the absolute emissions of the project are expected to be in the order of 0.681 ktCO₂/annum and the relative emissions in the order of – 1.61 ktCO₂/annum. Both values are well below the 20°000tCO₂/year threshold of the Bank.



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EIB Paris Alignment for Counterparties (PATH) Framework

As a public sector entity, the counterparty is in scope but screened out of the PATH Framework because it is not a high emitting nor a highly vulnerable entity.

Social Assessment

The Project will provide additional facilities to modernise the teaching and learning environments and will also support increased research activity at the university and enable increased access for students to higher education, thus increasing the formation of human capital. These additional facilities will enable the beneficiary universities to expand generating additional employment and attract more students, high calibre staff and researchers and strengthen collaborations with commercial and industrial partners to smooth the transition into employment of their graduates.

EP has established concrete and measurable targets with regard to gender equality for students and staff. By 2026, EP aims to a) increase the share of women amongst its first-year students (bachelor, cycle ingénieur, master), from today 23% to 30%; b) increase the share of women among annual staff recruitments from today 23% to 40%; and c) increase the share of women in the organisation's management (with a focus on its conseil d'administration) from 28% to 40%. The targets are agreed with EP's line ministry as part of the "Contrat d'objectifs et de performance 2022-2026".

EP is continuously seeking to improve the safety of women and combat gender-based violence on its premises.

Conclusions and Recommendations

As the Project concerns construction and refurbishment works in an urban area within or close to the existing facilities, no significant impact is expected on the environment. Positive social and environmental outcomes are expected as a result of the Project, especially with respect to improved energy efficiency of the building estate and for a safer and healthier learning environment for students and teachers.

Sustainability proofing conclusion: the project is carried out in compliance with applicable national and EU environmental and social legislation. Based on the environment, climate and social (ECS) information and based on the review of the likely significant ECS risks and impacts and the mitigation measures and management systems in place, the project is deemed to have low residual ECS risks and impacts. No further sustainability proofing is required.

The Project will be subject to the Promoter's compliance with the following

- The Promoter shall provide the EIB with the Energy Performance Certificates of the sub-projects at the completion of the project.
- For buildings larger than 5,000 m², after completion, the resulting building is tested for air tightness and thermal integrity, and any deviation from the performance levels established at the design stage or defects in the building envelope should be reported to the bank. Alternatively, where robust and traceable quality control processes are in



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place during the construction process, those other options are acceptable as an alternative to thermal integrity testing.

With the proposed conditions in place, this Project is considered to be acceptable for Bank financing from an environmental and social perspective.