

Environmental and Social Data Sheet

Overview

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| Project Name: | TRENTO HIGH EDUCATION |
| Project Number: | 2013-0458 |
| Country: | Italy |
| Project Description: | The project concerns research, teaching, and support facilities, as well as expenses for R&D activities carried out by the University. |
| EIA required: | no |
| Project included in Carbon Footprint Exercise ¹ : | no |

Summary of Environmental and Social Assessment, including key issues and overall conclusion and recommendation

The University currently operates a number of academic buildings, laboratories as well as student residences. Council Directive 2011/92/EU on Environmental Impact Assessment (EIA) does not specifically mention education activities. However if the activities are part of an urban development, Annex II/III of the EIA Directive could apply. The University has confirmed that no environmental permits and no EIA is required for the type of projects that are undertaken.

Given however the fact that some of the projects are in preliminary design phase, if such approvals become required, the University will undertake to provide to the Bank all the relevant documentation including if applicable the Non-Technical Summaries.

Environmental and Social Assessment

Environmental Assessment

The project activities have the following major objectives: (i) the development of the necessary facilities to house the universities activities including where necessary the equipment (laboratories, data centre etc.); (ii) the improvement of the functional efficiency of the operations by reorganising the services, relocating and consolidating department activities that are spread in different buildings (iii) the improvement of facilities in terms of energy efficiency and also their update to new building fire and seismic requirements, and finally (iv) the modernisation of the technical infrastructure including the buildings' connectivity.

In terms of energy efficiency, the University is targeting an overall improvement of the order of 20% at minimum. The majority of the buildings will be constructed at high energy standards and the energy classes which are expected to be implemented in the different buildings are presented in the table below:

¹ Only projects that meet the scope of the Pilot Exercise, as defined in the EIB draft Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: above 100,000 tons CO₂e/year absolute (gross) or 20,000 tons CO₂e/year relative (net) – both increases and savings.

| N° | Destination | Energy Class |
|----|---|--------------|
| 1 | Department of Engineering – Requalification & refurbishment | High B+ |
| 2 | Department of Engineering – Engineering Library | |
| 2 | Department of Economics and Management | Medium |
| 3 | Rectory and Administrative services | Medium |
| 4 | Polo Scientifico – Block 0 _ Department of Mathematics | Medium |
| 5 | Polo Scientifico – Block 2 | High A |
| 6 | Ex- Tobacco Manufacturing (Lot 1) | High B+ |

| Global Primary Energy | |
|-----------------------|---|
| Class A | $\leq 11 \text{ kWh} / \text{m}^3 \text{ year}$ |
| Class B+ | $\leq 14 \text{ kWh} / \text{m}^3 \text{ year}$ |
| Class Medium (C+,C) | $\leq 34 \text{ kWh} / \text{m}^3 \text{ year}$ |

Historical Buildings

One of the sub-projects, Rectory and Administrative building (Palazzo Sargagna), concerns the refurbishment of a building that is included in the city's artistic and monumental heritage, being a site of historical and artistic interest. The design has been carried out in collaboration with the province in order to ensure that the requirements in terms of space and technological solutions respect the building's interior characteristics.

Public Consultation and Stakeholder Engagement

The Promoter will ensure compliance with national and European environmental and nature regulations and facilitate the access by the public to environmentally relevant information in accordance with the Bank's Transparency Policy.

Other Environmental and Social Aspects

About 9 % of the investment is dedicated to energy efficiency through the insulations reinforcement for projects that are going to be renovated. The University has adopted a "green" approach in all new construction projects, starting from the constructions where designs are based on the LEED sustainability standards (Leadership in Energy and Environmental Design), to management with related policies on procurement, waste management and cleaning.

The promoter uses animals for research testing where no acceptable alternative methods exist. All research projects are submitted for approval at the University's Ethics Committee which evaluates, approves and monitors human and animal testing projects. Specifically for the animal testing the Committee includes members with expertise on animal testing, neurophysiology, and neurosciences, including a veterinarian appointed on the recommendation of the Order of Veterinarians of the Province of Trento.

After the approval by the University's Ethics Committee, research projects are sent to the Ministry of Health for acknowledgement or, in specific cases defined by articles 8 and 9 of Legislative Decree 116/92, for a further ministerial approval. All research projects are monitored by the Ministry of Health.

The promoter acts in line with the Italian legislation regarding protection of animals used for scientific purposes. The relevant EU directive (Directive 2010/63/EU) is under the implementation process in Italy. The law voted by the Italian Parliament in July 2013 is more restrictive than the mentioned EU directive. The promoter is highly committed to apply the "3R" principle that consists in Replacing animal use by alternative methods when possible, Reducing the number of animals used as much as possible and Refining the testing methods to reduce animals' pain and distress.