

## Environmental and Social Data Sheet

### Overview

Project Name:	BOLOGNA UNIVERSITY CAMPUS DEVELOPMENT
Project Number:	2017-0091
Country:	Italy
Project Description:	The project comprises the design, construction, renovation and equipping of a number of new and existing buildings within the University of Bologna's campuses in Bologna and across the Emilia-Romagna region. The campus development project is divided into a number of sub-projects with the aim of providing modern facilities for teaching, researching, learning and accommodation as well as improving the security and energy efficiency of the various campuses. The project will also include the conservation of a number of its historical and protected buildings.
EIA required:	Certain sub-projects could be subject to an EIA. If required by the competent authority, the Promoter shall make the full EIA document available to the EIB as a condition of disbursement.
Project included in Carbon Footprint Exercise:	no

### Environmental and Social Assessment

#### Environmental Assessment

The project concerns a defined programme of investments and interventions for the construction of new academic and student facilities as well as the modernisation and renovation of existing, some historic and protected, buildings across the University of Bologna's campuses in Bologna and the Emilia-Romagna region. Universities and research institutions of this kind are not specifically mentioned in the EIA Directive 2014/52/EU amending EU Directive 2011/92/EU, though the project is covered by Annex II of the Directive in relation to urban development. All projects are fully covered by an approved land use plan which can only be changed with a public consultation and the approval of the competent authority. The promoter confirmed that new construction works are being executed within its existing campuses on land currently or previously occupied. At the time of appraisal the promoter was seeking clarity on whether an EIA is needed for all the subprojects, however the design development for each sub-project is at different stages and this will progress as the project is implemented. If an EIA will be required by the competent authority, the promoter shall provide to the EIB, the full EIA document.

The region of Emilia-Romagna contains a number of Natura 2000 sites. The promoter's sub-projects contained in this project are neither located in a Natura 200 site nor immediately adjacent to one.

The promoter, the University of Bologna, is currently preparing the design for its new buildings. The promoter is focusing on high energy effectiveness for all of the new buildings

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within its campuses, including the application of the latest technologies for the design of the heating and ventilation, use of light and building façade to promote healthy learning environments. Although the promoter is keen to include energy efficiency measures in its building design none of the new constructions will meet the technical requirements as a near zero energy building (NZEB). However, the promoter is determined to take into consideration at the design phase the use of renewable energy in the widest possible range across all of its campuses.

The renovation projects will optimise the usability of the floor space in the buildings for academic, research, laboratory and administrative functionalities. Many of these buildings are historic and/or protected locally and their preservation is important for the cultural heritage of Bologna and the region. Moreover the renovation works will significantly improve the thermo-performance of the buildings through the replacement of the life-expired heating and ventilation installations, insulation and roof structure fabric as well as upgrading plant in the district heating system on its main campus in Bologna. These improvements are expected to significantly reduce energy consumption across the university's estate, however the savings has not been quantified as the design for many of these sub-projects has yet to be finished.

Two thematic based sub-projects will seek to address increasing building resilience to withstand future earthquakes, upgrading a number of existing buildings to ensure their compliance with new fire regulations and to make targeted energy efficiency improvements through the modernisation of heating and ventilation plant and improvement to building fabric.

## Conclusions and Recommendations

Overall, the renovation and refurbishment of the historic and protected buildings will improve the health, safety and accessibility for staff and students alike. Due to the use of new materials and technologies, the new and modernised buildings will increase the overall energy efficiency. By enabling a more efficient use of the existing buildings and the addition of the new university facilities, the University of Bologna, will be able to consolidate and optimise administrative and academic spaces and facilities contributing to the enhancement of research and learning environments at its institution.

The EIB will request a copy of the full EIA or satisfactory evidence from the Promoter that an EIA is not required as a condition to disbursement applicable to all the sub-projects. In addition the EIB will request that copies of the Energy Performance Certificates (EPC) or equivalent to be provided on completion of all of the new construction and renovation sub-projects.

In light of the above, the overall environmental and social rating of the project is therefore considered to be acceptable for the Bank's financing.