

## Environmental and Social Data Sheet

### Overview

Project Name:	BOCCONI NEW CAMPUS	
Project Number:	2014-0255	
Country:	Italy	
Project Description:	Construction of an extension of the Bocconi University Campus	
EIA required:	Under screening	
Project included in Carbon Footprint Exercise <sup>1</sup> :	no	

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

The Bocconi University campus is located in the central urban area of Milan (Italy). The new buildings will accommodate lecture halls for Master and Executive courses, academic and administrative offices, as well as a dormitory for students and visiting staff. In addition, the project will allow the University to reduce energy consumption by grouping some of their existing buildings into a state-of-the-art campus. The new premises will be served by an almost zero emission system based on renewable energy generated locally.

The project, as part of an urban development plan, falls under Annex II of the EIA directive 2011/92/EU. The screening decision of the local competent authority was not known at the time of the appraisal. Prior to disbursement, the promoter is required to submit to the Bank: (i) a valid building permit, (ii) the EIA screening decision by the competent authority, and, in case an EIA is required, (iii) the Non-Technical Summary (NTS) of the EIA report.

The buildings will utilise the most advanced insulation technologies combined with a smart heating system. The new constructions will exceed average standards of energy efficiency and will qualify for the platinum LEED certification. The new campus will be an almost zero emission system.

In the light of the above, the project is eligible for the Bank's financing as regards environmental considerations.

### Environmental Assessment

Bocconi University is a renowned private teaching and research institution established in 1902. Most of the existing university buildings were built after 1950. The university campus substantially expanded in 2006, covering over 25 hectares in the city centre of Milan. The project, located on the former site of the "Centrale del latte di Milano", will develop an additional 35 hectares of land that belongs to Bocconi University. The existing and new parts of the campus will be linked through a pedestrian area. Traffic will not be allowed on the campus, which is well connected to the city by public transport. The adjacent Alessandrina Ravizza Public Park is a green lung of about 38 hectares.

## **EIA**

The new campus project requires a “Permesso di Construire Convenzionato” (a permitting procedure as per “Circolare n.1/2007 Atti del Comune di Milano”), an ordinary urban law requirement. The Council Directive 2011/92/EU on Environmental Impact Assessment (EIA) does not specifically mention the construction of education facilities; however, the project, as part of an urban development plan, falls under Annex II of the Directive. The screening decision of the competent authority was not known at the time of the appraisal, and has been included in the finance contract as a loan disbursement condition.

The new campus will be situated on the former industrial area of the former “Centrale del latte”, which is a brownfield reclaimed land area. At the time of appraisal, there were no buildings on the land. The promoter expects to complete the land reclamation process before the end of 2014.

## **Energy Efficiency and renewable energy**

The campus is designed as an almost zero emission system. The buildings will utilise the most advanced insulation technologies combined with a smart heating and cooling system. The primary energy source for heating and cooling will be to utilise ground water at approximately 12° Celsius. Ground water will be extracted from an existing well. The water will pass through a simultaneous heating and cooling ground source heat pump to provide hot and chilled water at the correct temperatures to serve the buildings. A 645 kWp photovoltaic power generation system shall provide the electricity for the operation of the campus. The new constructions will exceed average standards of energy efficiency and will qualify for the platinum LEED certification.

## **CO<sub>2</sub> Emissions**

The anticipated carbon savings for the investment are estimated by the promoter to be about 6,700 tonnes of CO<sub>2</sub> per year. The savings are calculated against the emission factors listed in the Technical annex to the SEAP template.

## **Public Consultation and Stakeholder Engagement, where required**

Public consultation and stakeholder engagement are an integral part of the project development process. Neighbours of the new constructions are considered to bring value added to the project. For example, the Sport Centre (part of the project but not financed by EIB) shall be available to the public and generate revenues for the University. The local elementary school adjacent to the Public Alessandrina Ravizza Park shall benefit from a dedicated playground.