

## Environmental and Social Data Sheet

### Overview

Project Name:	Abengoa RDI II
Project Number:	2014-0587
Country:	Spain
Project Description:	The project concerns selected investments of the Promoter's RDI programme in areas of biotechnology/ chemical process development for advanced biorefineries, water treatment, advance power systems and renewable energy. The activities will predominantly be carried out in Spain between 2015 and 2018.
EIA required:	EIA might be required for some small components of the RDI investment program
Project included in Carbon Footprint Exercise <sup>1</sup> :	no
(details for projects included are provided in section: "EIB Carbon Footprint Exercise")	

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

The project concerns investment in research and development activities which are expected to be carried out mostly in existing, already authorized, R&D facilities that will not change their scope due to the project.

The proposed program foresees the construction of pilot/ demo plants which may potentially fall under Annex II of the EIA Directive 2011/92/EU. The impacts on the environment and on the sites of nature conservation are expected to be minimal.

A number of the proposed RDI projects, if successful, could lead to significant positive environmental benefits.

The following conditions need to be satisfied by the promoter:

- The proposed program foresees the construction of pilot/ demo plants which may potentially fall under Annex II of the EIA Directive 2011/92/EU, but this will only be confirmed upon final design. If any of these projects is screened in by the Competent Authority, an electronic copy of the EIA and the Non-Technical Summary must be provided to the Bank prior to start construction, along with confirmation that all mitigation measures will be implemented. A copy of the consents from the Competent Authority must be provided to the Bank prior to start of construction.

Taking into account the abovementioned conditions, the capacity of the promoter and the systems in place to manage environmental and social impacts and issues, the project is acceptable for the Bank's financing in environmental and social terms.

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<sup>1</sup> Only projects that meet the scope of the Pilot Exercise, as defined in the EIB draft Carbon Footprint Methodologies, are included, provided that estimated emissions exceed the methodology thresholds: above 100,000 tons CO<sub>2</sub>e/year absolute (gross) or 20,000 tons CO<sub>2</sub>e/year relative (net) – both increases and savings.

## **Environmental and Social Assessment**

### **Environmental Assessment**

The Promoter ensures compliance with all environmental and Health and Safety (H&S) regulations by implementing environmental and H&S management systems (which establish the compliance with regulations related to these issues) within all its subsidiaries. This requirement is carried out by applying internal mandatory standards of compliance which are applicable to all Promoter subsidiaries. The Promoter has a Health, Safety and Environment management system (MS) aligned with the ISO 14001 and OHSAS 18001 international standards.

### **Other Environmental and Social Aspects**

The RDI program on biotechnology includes activities that foresee the handling of genetically modified microorganisms (GMM) in contained environments (Enzymes Program). The use of GMM is regulated by the Council Directive 2009/41 EC and related national acquis (Real Decreto 191/2013, Real Decreto 178/2004 and law 9/2003). According to these regulations, the Promoter has the obligation to notify the competent Authority on the activities carried out, together with an assessment of the contained handling of GMM with respect to potential risks to human health and environment. This assessment shall result in the final classification of the contained uses in four risk classes and shall establish and commit to implement measures for the treatment of waste and effluents as well as all necessary safety measures. The promoter notified the Competent Authority (Consejería de Agricultura Pesca y Medio Ambiente of the Junta de Andalucía) which replied favorably. The activities are considered "confined use of genetically modified microorganisms". These microorganisms are classified as Biosafety Level 1 (BSL1), which are improbable to harm humans, animals, plants or the environment, and the activities were classified as Type 1, corresponding to "risk null or insignificant".

Some of the schemes under the project may use substances defined as toxic or hazardous according to Directive 67/548/EEC as amended. This applies in particular to heat transfer fluids and fossil fuels used in solar power subprojects. In those cases, the promoter complies with the above-mentioned directive.