

Environmental and Social Data Sheet

Overview

Project Name:	<i>BOREALIS R&D RSFF</i>	
Project Number:	<i>20130187</i>	
Country:	<i>Austria, Finland, Sweden</i>	
Project Description:	<i>Financing of R&D activities in the field of advanced polymers and base chemicals.</i>	
EIA required:		no
Project included in Carbon Footprint Exercise ¹ :		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 investments in research and development that will be carried out in existing facilities without changing their already authorised scope. An Environmental Impact Assessment (EIA) is therefore not required by EIA Directive 2011/92/EU.

The project per se does not have any impact on the environment; however the project R&D activities partly targets the development of catalysts and energy efficiency improvements of industrial manufacturing processes to produce advanced polymers that will contribute to increased environmental and social sustainability. The project can therefore be classified as "acceptable with positive impacts".

Environmental and Social Assessment

Environmental Assessment

The project will be managed and carried out by the promoter's existing R&D staff in Austria (at the promoter innovation headquarters in Linz) and also in Finland (Porvoo) and Sweden (Stenungsund). All these sites are ISO 9001 and ISO 14001 certified as all the other facilities of the promoter in Europe. The project's R&D activities are a central part of the promoter's operations and will be embedded in the existing organisational and management structure. The operating procedures in place are in line with best industry standards.

The project focuses on the development of catalysts and energy efficiency improvements of industrial manufacturing processes to produce advanced polymers. It also targets the improvement of plastics' recyclability. If successful the project will contribute to increased environmental and social sustainability.

Other Environmental and Social Aspects

The promoter's operations involve highly flammable and dangerous substances; the sites where the project activities are located are all Seveso classified. The promoter has a strong safety culture and good operating and HSE (Health, Safety and Environment) procedures in place. Borealis HSE management system is in line with Responsible Care[®] (an initiative of the global chemical industry launched in 1985) that sets high HSE standards including guidelines for safe use & handling of products along the entire value chain. The excellent Total Recordable Injuries (TRI: number of total recordable injuries per million hours including contractors) of 1.5 achieved in 2012 matches the highest industrial standard. Borealis has also put in place two internal awards to further motivate employees to remain focused on HSE

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.

topics. In 2012 the investment specifically dedicated to HSE improvements amounted to EUR 31 m.

The promoter has a strong focus on energy saving. It has put in place a comprehensive environmental management plan with the target of achieving a 20% improvement in energy efficiency by 2020 compared to 1990. In 2012 the promoter obtained its first ISO 50001 (Energy management) certifications for two of its manufacturing sites (Piesteritz in Germany and Stenungsung in Sweden).

Borealis is in full compliance with the Global Product Strategy initiative of the European Community Regulation on Chemicals (Reach).