

Luxembourg, 11/12/2025

Environmental and Social Completion Sheet (ESCS)¹

Overview

Project Name:	CARBIOS PET BIO-RECYCLING DEMO PLANT (EDP)
Project Number:	2020-0648
Country:	France
Project Description:	The project consists of the construction and operation of an enzymatic recycling demonstration plant for PET plastics and polyester fibres and a production unit of biodegradable additives for bioplastics. The project is located in France.

Summary of Environmental and Social Assessment at Completion

EIB notes the following Environmental and Social performance and key outcomes at Project Completion.

The promoter has completed the project broadly in line with the original scope. This included construction of a demonstration plant for the enzymatic recycling of PET plastics and polyester fibres as well as activities supporting biodegradable additives for bioplastics.

An Environmental Impact Assessment (EIA) was not required under the EIA Directive 2011/92/EU (as amended by Directive 2014/52/EU). The project is classified under Annex II, and in accordance with Article 122-2 of the French Code de l'Environnement, the plant's size means it is not subject to an EIA and does not require an ICPE declaration.

The project contributed to increased local employment, particularly through the demonstration plant. Carbios and its subsidiary Carbiolice grew their workforce steadily from 2021 to 2024. In early 2025, Carbios announced a major restructuring plan affecting approximately 40% of its workforce.

Carbios is using the demonstration plant to test environmental improvements in its PET recycling process. A reverse osmosis system was installed in 2024, improving wastewater treatment efficiency. In 2025, the company began testing a water reuse solution that could reduce overall water consumption by up to 60% once fully implemented. Carbios is also exploring sustainable solutions for managing sodium sulphate which is generated as a by-product to further enhance its environmental performance.

The social assessment is considered to be positive in terms of jobs creation and environmental improvements.

Summary opinion of Environmental and Social aspects at completion:

EIB is of the opinion based on reports from the promoter at completion that the Project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal

¹ The template is for ILs and FLs