

Public

Environmental and Social Data Sheet

Overview

Project Name:	SICOYA (EGFF)
Project Number:	2018-0842
Country:	Germany
Project Description:	Sicoya is a start-up producing optical communication devices (transceivers), to be used mainly in next generation data centres. The project relates to the RDI and manufacturing of such products based on the innovative silicon photonics technology that co-integrates ultra-small electronic and photonic (light based) structures on one single chip.
EIA required:	No

Project included in Carbon Footprint Exercise¹: No

(details for projects included are provided in section: "EIB Carbon Footprint Exercise")

Environmental and Social Assessment

Environmental Assessment

Semiconductor manufacturing facilities and RDI for semiconductors are not specifically covered by Annexes I & II of EU Directive 2014/52/EU amending the EIA Directive 2011/92/EU, and therefore not subject to mandatory environmental impact assessment. The proposed RDI activities will take place mainly inside buildings at existing RDI or manufacturing facilities already being used for similar activities, and are not expected to have a significant environmental impact on the surroundings.

Other Environmental and Social Aspects

One of the potential key advantages of the Silicon Photonics Technology is its reduced energy consumption. The successful application of the promoter's products as a result of the project will therefore be an increase in the energy efficiency of electronic communication equipment, mainly used in data centres.

¹ Only projects that meet the scope of the Carbon Footprint Exercise, as defined in the EIB draft Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: 20 000 tonnes CO₂e/year absolute (gross) or 20 000 tonnes CO₂e/year relative (net) – both increases and savings.

Luxembourg, 15 June 2019

Conclusions and Recommendations

Semiconductor manufacturing facilities and RDI for semiconductors are not specifically covered by Annexes I & II of EU Directive 2014/52/EU amending the EIA Directive 2011/92/EU, and therefore not subject to mandatory environmental impact assessment.

The products resulting from the projects RDI activities will potentially induce energy efficiency gains in their area of application.

Overall, the project is therefore eligible for EIB financing in environmental terms.

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