

Luxembourg, 10 September 2024

**Public**

## Environmental and Social Data Sheet<sup>1</sup>

### Overview

Project Name:	SIOT (IEU TI)
Project Number:	2023-0613
Country:	Spain
Project Description:	The project relates to the final phases of development of a low earth orbit (LEO) nanosatellite constellation to provide IoT services for low bandwidth non-time-sensitive applications globally, notably in areas where terrestrial networks do not have coverage. The project will also include investments in a 4-satellite pilot constellation to test the system's full functionality end-to-end, and 40 additional satellites to validate the market-entry constellation launch and its operation at scale.
EIA required:	no
Invest EU sustainability proofing required	yes
Project included in Carbon Footprint Exercise <sup>2</sup> :	no

### Environmental and Social Assessment

#### Environmental Assessment

The project includes RDI activities, which will be carried out in existing premises already approved for these purposes and are not expected to have significant environmental impacts. The manufacturing and launch of a satellite constellation will be provided by specialised and experienced suppliers that are outside the project scope, using existing facilities not requiring additional construction, and are not expected to have significant environmental impacts either. The activities mentioned and covered by the project do not fall under Annexes I or II of the EIA Directive 2011/92/EU amended by the EU Directive 2014/52/EU.

No environmental impacts are expected during the operations phase either. At end of their life, the satellites will actively de-orbit using the on-board propulsion system and will disintegrate during the re-entry phase at around 80-100 km altitude as foreseen based on the materials used.

<sup>1</sup> The information contained in the document reflects the requirement related to the environmental, social and climate information to be provided to Investment Committee as required by the Invest EU Regulation and it represents the equivalent of the information required in the template of the InvestEU sustainability proofing summary

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



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The measures put in place by the promoter are in line with the latest IADC (Inter-Agency Space Debris Coordination Committee) Space Debris Mitigation Guidelines regarding post-mission disposal.

### **Climate Assessment**

The project is considered to be Paris aligned because i) it meets the low carbon criteria as set out in the Climate Bank Roadmap (Annex 2, Table H – RDI on ICT and ii) is assessed as not materially at risk from physical climate hazards.

### **EIB Paris Alignment for Counterparties (PATH) Framework**

The counterparty Sateliot is in scope and screened out of the PATH framework, because it is not considered high emitting or high vulnerability.

## **Conclusions and Recommendations**

The project consists of development and engineering activities as well as manufacturing and launch of a satellite constellation. All these activities will be carried out in existing premises already approved for these purposes without requiring new construction and are not expected to have any significant environmental and social impact.

Sustainability proofing conclusion: The project is carried out in compliance with applicable national and EU environmental and social legislation. Based on the environmental, climate and social information and based on the review of the likely significant environmental, climate and social risks and impacts and the mitigation measures and management systems in place, the project is deemed to have low residual environmental, climate and social risks and impacts. No further sustainability proofing is therefore required.

Considering the above, the project is acceptable for the Bank's financing in environmental and social terms.