




**PEFCR**  
FOR THE SPACE SECTOR



# PRODUCT ENVIRONMENTAL FOOTPRINT CATEGORY RULES (PEFCR) FOR THE SPACE SECTOR

Advancing Sustainable space Activities

The European Union commits to develop Product Environmental Footprint Category Rules (PEFCR) tailored to the space sector to enable space actors across the EU to substantiate environmental claims, and for helping them to improve their environmental performance, competitiveness, and resilience.

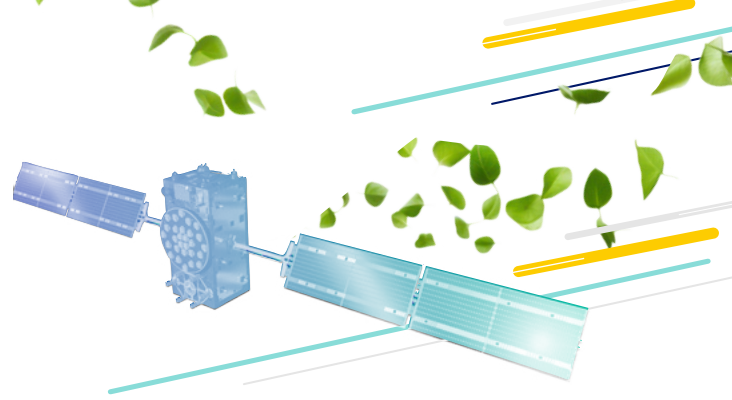
Today, there is no common agreement on space sector-specific rules concerning lifecycle-based assessment shared along the value chain, nor reference systems for space systems, space projects or space programmes. Therefore, a specific PEFCR for the space sector will be developed to **promote** the manufacturing and deployment of **environmental and sustainable space activities and products** and allow space actors to provide and access **reliable information in transparency**.

This work will follow the EU's recommended Product Environmental Footprint (PEF) and Organisation Environmental Footprint (EF) methods set out in EU Commission Recommendation 2021/2279.

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## THE ROLE OF PEFCR IN THE SPACE SECTOR

### Standardising Environmental Impact Assessments

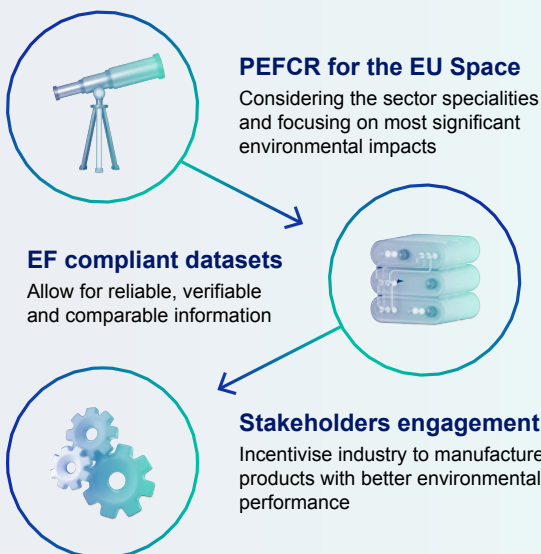
Several actors of the European space industry have worked on the life cycle environmental impact assessment of space activities during the last decade. Developing a PEFCR for the space sector offers a unified approach to assessing the environmental impact of space activities, crucial for comparing performance across complex supply chains and technologies. A space PEFCR will provide companies with a systematic method for evaluating the environmental footprint of their products, promote informed decision-making and encourage a market that prioritises sustainability.

### PROJECT OVERVIEW

The Space PEFCR initiative focuses on developing PEFCR and Environmental Footprint (EF) compliant datasets for the EU space sector, enabling tailored environmental assessments that address sector-specific needs.

#### Key Objectives:

- 1 Develop space-sector-specific PEFCR based on the EU Environmental Footprint (PEF) method.
- 2 Define and acquire EF-compliant datasets for reliability and comparability.
- 3 Engage stakeholders to promote environmental and sustainable products and services.



### STAKEHOLDER ENGAGEMENT AND OUTREACH

Engaging industry representatives and experts will be crucial for the development of a space PEFCR and for the successful implementation of this project. **Broad stakeholder engagement** will ensure the involvement of field experts in the technical development of the PEFCR, supporting studies and the dataset creation to reflect the stakeholder needs, and finally for the broad dissemination activities to inform about the benefits of the space PEFCR.

### PROJECT TIMELINE

**30 months**

September 6, 2024    March 5, 2027

### CONTACT

For more information about the PEFCR Space project, please contact us via [pefcr4space@vito.be](mailto:pefcr4space@vito.be)