

# Shape a sustainable future: *engage with PEFCR for Space!*

# Green Transition is taking place!

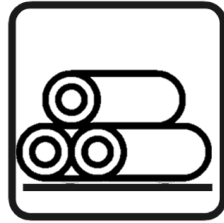
- EC (2021)9332 **Commission recommendation** on the **use of the Environmental Footprint methods** to measure and communicate the life cycle environmental performance of products
- **Transition Pathway for Aerospace ecosystem** (June 2024)
  - The transition pathway is a dynamic roadmap to support the green and digital transition of the aerospace ecosystem, as well as to improve its resilience and competitiveness. Includes **53 priority actions** divided into six building blocks, each representing one key aspect of the transition, **including “green transition”!**
- **“A clean Industrial Deal”** (2024-2029 EC Political Guidelines)
  - New Clean Industrial Deal;
  - Industrial Decarbonisation Accelerator Act
  - New Circular Economy Act
  - New Chemicals industry package
- **Future EU Space Law**
  - Cover three main pillars: Safety, Resilience & Sustainability



# Green transition of all the value chain of EU space



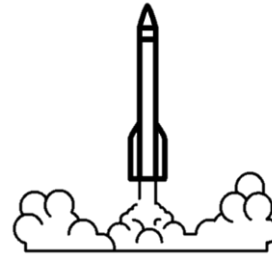
Raw Materials



Advanced materials & components



Design & Manufacturing



Final Assembly  
Lift-off



Use phase – data  
generation & storage



Post-mission  
disposal (space  
debris mitigation)

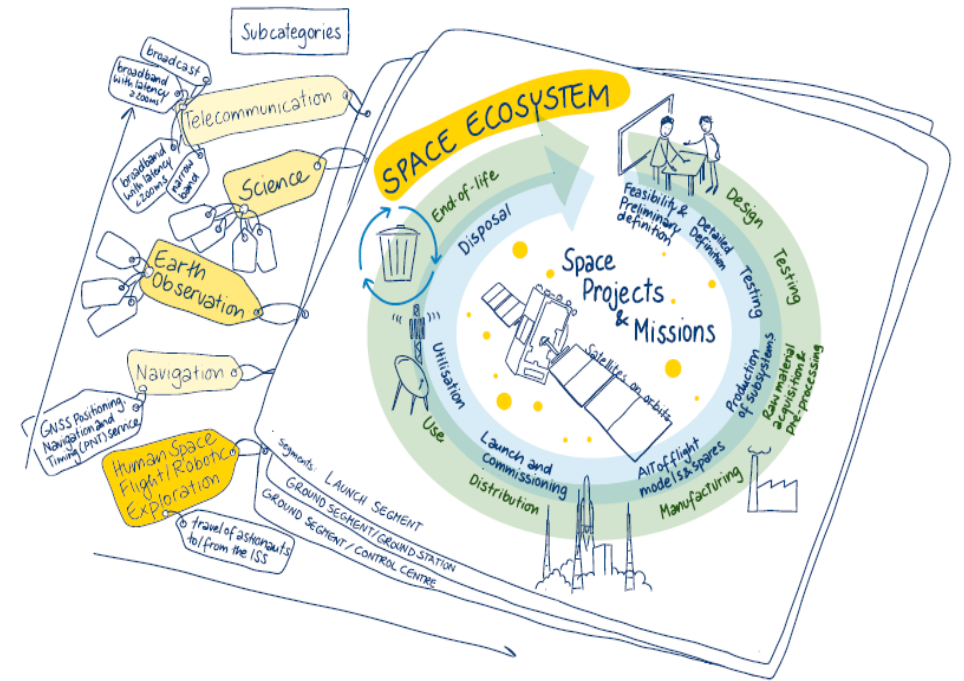
# Environmental LCA is not new in the space sector. However...

- there's **not a common standard LCA applicable to the space sector**
- EC **legally recognized schemes** (e.g. PEFCRs) will be more and more required in the frame of the **Green Deal** (eg. **Green claims, Access to Finance, R&D funding, EU Space programme...**)
- To succeed, there's the need for **better harmonisation of LCA practices across space sector**, access to robust inventory data (**allowing comparability**) and advanced impact assessment models.

# PEFCR on EU space activities

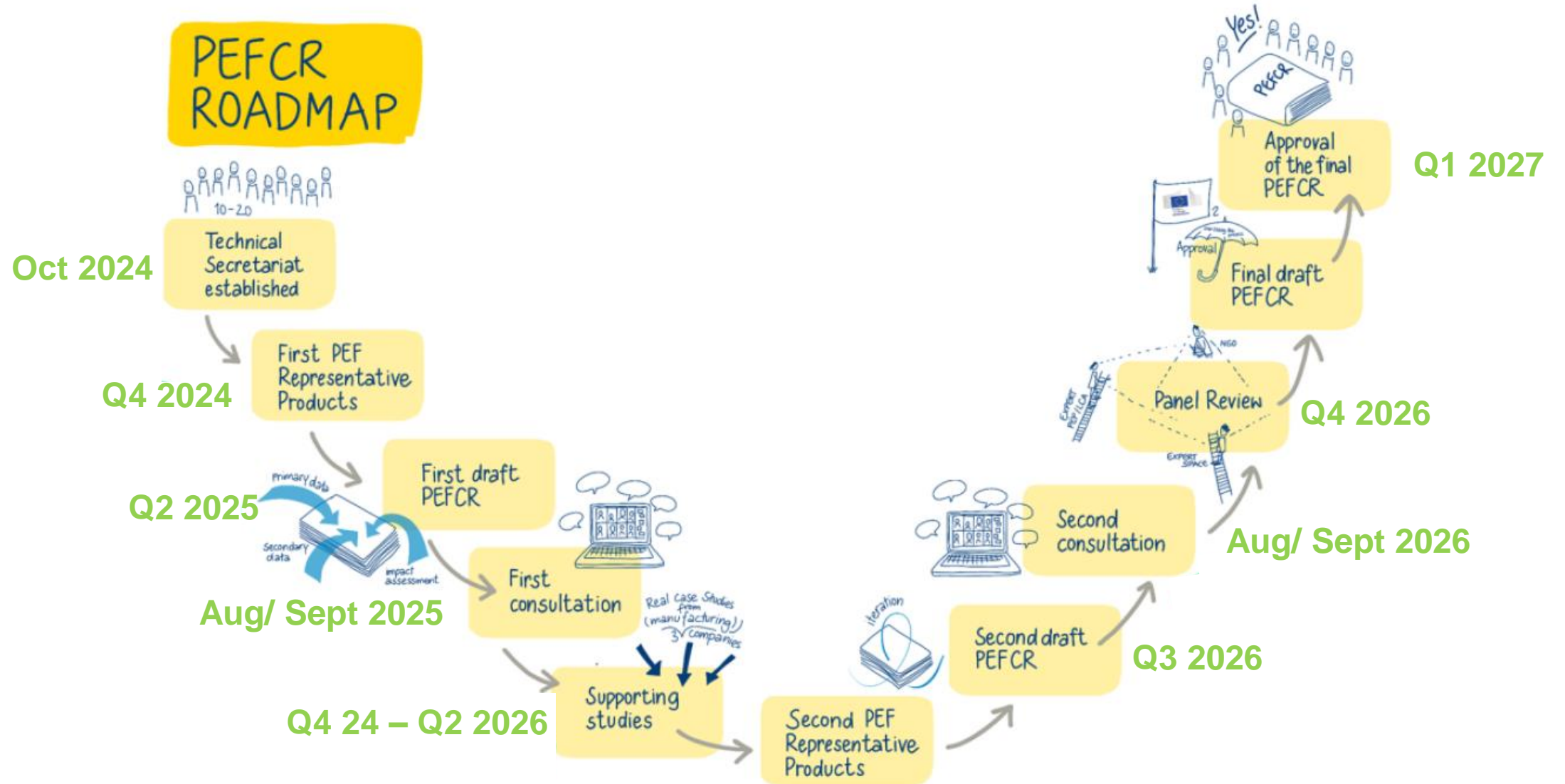
A **commonly accepted** LCA methodology on Space activities:

- Allow industry to follow the **same modelling rules**
- **Reduce the time and costs** for a LCA study
- Increase **comparability and transparency**



# PEFCR on EU space activities

## Indicative timeline



# Engage with a single or multiple roles

Express your interest in one or multiple roles, per order of preference

Technical  
Secretariat  
Member

External  
Reviewer -  
Chair

External  
Reviewer -  
Member

Data provider  
for Supporting  
Studies

Data Provider  
for Datasets

External  
Stakeholder

Scan me!!!



# Engage with PEFCR for Space – investment expect from you

## Technical Secretariat Member

- KO meeting: 24 October 24 (AM, online)
- Scoping workshop 1: 14 Nov 24 (AM, EC premises in Brussels)
- Scoping workshop 2: 10 Dec 24 (PM, EC premises in Brussels)
- TS meetings (mainly online):
  - Jan-July 2025 Monthly
  - Sept 25 – Feb 26: bi-monthly
- Working group meetings (mainly online):
  - Jan-May 2025: every 3 weeks
- **Indicative time investment: 16 days + 5 days per working group (Working groups will be organised related to different space activities.)**

### External Reviewer - Chair

- A total of around 40 working days, distributed upon the agreed timeline of 30 months.

### External Reviewer - Member

- A total of around 45 working days, distributed upon the agreed timeline of 30 months.

### Data provider for Supporting Studies

- The amount of effort depends on the PEFCR rules being developed.
- The data collection period: Oct-Nov 2025

### Data Provider for Datasets

- Data provision period: August -September 2025

### External Stakeholder

- No committed time investment



# PEFCR on EU space activities – how to engage?

- **Call for expression of interest** closes on 11 October 2024 18:00 (CET)
- **24 October morning**: technical secretariat first meeting (online)

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**THANK YOU!**

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