

# SPACEFINLAND

SpaceFinland gives a look at Finnish space sector companies and research as well as the Finnish space administration

**Learn about Finland's space activities**

# The Space Business Forum

The Space Business Forum is a community of Finnish space operators that meets five times a year. The meetings cover current and future issues in space business and research; technology-related issues, and initiatives and frameworks for international cooperation within the European Space Agency (ESA), the EU and outside Europe. The main contribution of the meetings will be presentations by companies and research organizations, and in particular discussions and networking.

The Space Business Forum serves as an information-sharing platform for the entire Finnish space network. This includes the distribution of official documentation to space actors and, in particular, the communication of industry and research needs to space administrators and international actors.

Participation in the Space Business Forum is free of charge, but the Space Business Forum reserves the right to admit members.

**More information:** Tiina Nurmi/Business Finland - [tiina.nurmi\(at\)businessfinland.fi](mailto:tiina.nurmi@businessfinland.fi)

**Sign up for the mailing list:** [greta.neffling\(at\)businessfinland.fi](mailto:greta.neffling@businessfinland.fi)

## The dates for Space Business Forum events for 2024:

- Friday **8 March 2024**, 10:00-13:00
- Tuesday **16 April 2024**, 10:00-13:00
- Monday **17 June 2024**, 10:00-13:00
- Wednesday **25 September 2024**, 10:00-13:00
- Monday **2 December 2024**, 10:00-13:00

## Next event on 8 March 2024:

**Venue:** Team Finland House, address: Porkkalankatu 1, 00180 Helsinki (Ruoholahti)

[Agenda](#)

[Registration](#) 

## Previous events:

-  [Space Business Forum 22.11.2023](#)

# UN COPUOS MEETING IN VIENNA, AUSTRIA (1/2)

TEAM FINLAND'S SIDE EVENT AND NETWORKING RECEPTION – JUNE 19 AND 20, 2024

## Background:

The **UN Committee on the Peaceful Uses of Outer Space (COPUOS)** has recently grown to 102 Member States, steadily becoming an increasingly important forum to facilitate cooperation on global questions and challenges.

Sustainable use of outer space and sustainable growth of the space sector, particularly the New Space economy, are key priorities of the Finnish space policy. Through COPUOS, different stakeholders may contribute to achieving the sustainable development goals.



# UN COPUOS MEETING IN VIENNA, AUSTRIA (1/2)

TEAM FINLAND'S SIDE EVENT AND NETWORKING RECEPTION – JUNE 19 AND 20, 2024

- The 67th session of the Committee on the Peaceful Uses of Outer Space\* will take place from 19th till 28th of June at the Vienna International Center, in Austria.
  - TEAM FINLAND is organizing a networking reception at the Ambassador's residence in the evening of June 19th, 2024.
  - Additionally, TEAM FINLAND is looking for Finnish Space companies that are interested to present in the breakout area of the COPUOS meeting on June 20th.
- Duration is approx. 1 hr.
  - Multiple countries will present simultaneously.
  - Main goal is to showcase how Finnish Space know-how can contribute to sustainability and SDGs in general.



**FOR MORE INFORMATION YOU CAN  
REACH OUT TO...**

**Caroline Hettwer**  
**Senior Advisor –Export Promotion**  
**Business Finland, Germany**  
**Mobile: +49 175 9725 678**  
**[caroline.hettwer@businessfinland.fi](mailto:caroline.hettwer@businessfinland.fi)**



# Opportunities for Industry at Europe's Spaceport

The main themes of these opportunities will be the digital transformation (eg. 5G data network, CMMS, asset monitoring, etc.) and extraordinary maintenance operations (smart grid and HVAC, fire safety system REDI, STAR45 antenna renewal, etc.) of the Spaceport.

Further to the informative nature of the event:

- There will be a B2B element, where both online and in-person attendees will be able to connect with each other.
- There will be the opportunity to benefit from a training course on how to submit bids.
- Additionally, there will be the opportunity to participate in a guided tour of ESOC during the event.

April 16th & 17th 2024

- hybrid: both online and in-person at the European Space Operations Centre (ESOC), in Darmstadt
- pre-register to both the following addresses: CIC [Cornelius.Zund@esa.int](mailto:Cornelius.Zund@esa.int) and STS [Enrico.Possamai@esa.int](mailto:Enrico.Possamai@esa.int)

# SPACE BUSINESS FORUM

**ESA Industrial Policy Committee**, Tiina Nurmi, Business Finland

## **#346 IPC Meeting 13.-14.3.2024 AGENDA**

ESA\_IPC\_OJ\_346\_EN

Selected documents have been uploaded in

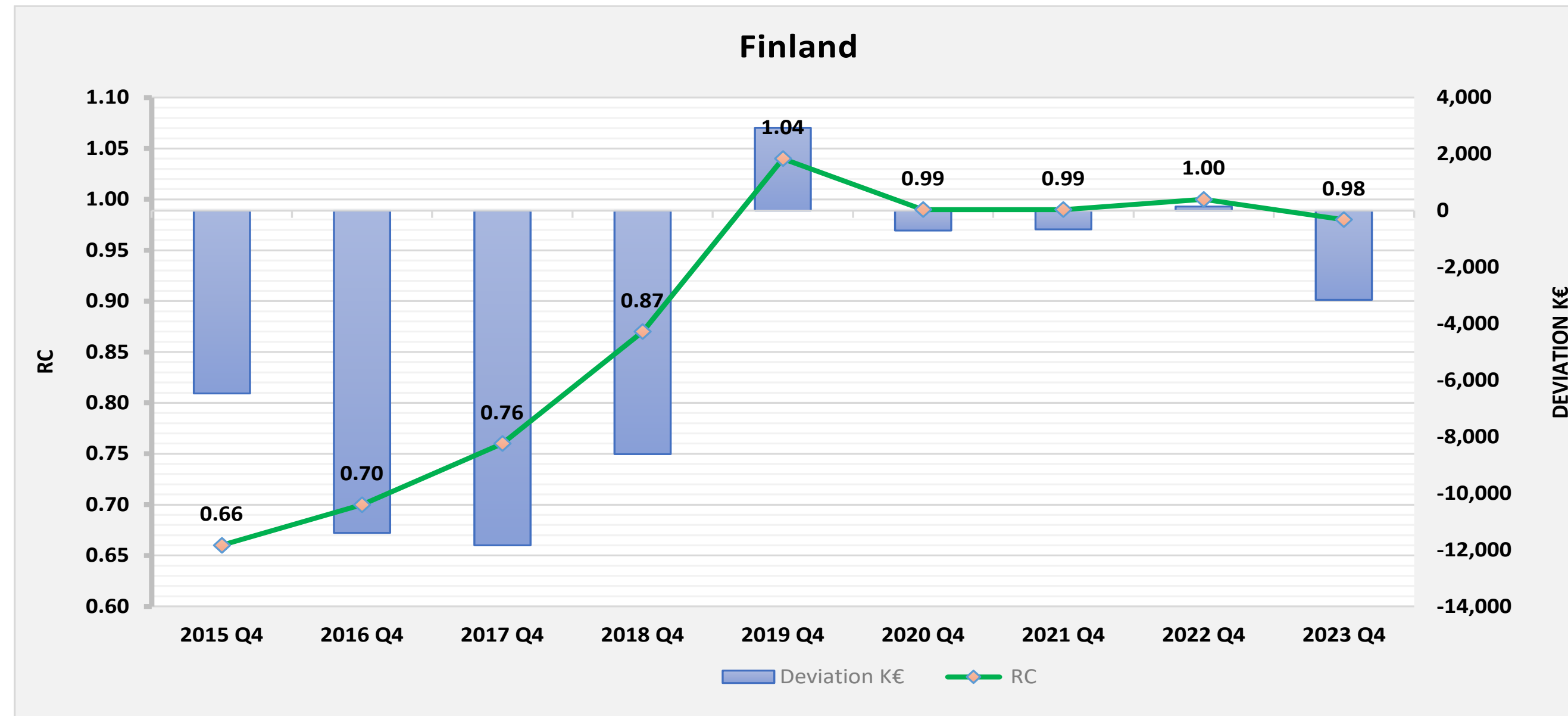
- “Avaruusdokumentit” folder ” Space Business Forum 8.3.2024”.
- ESA  $\Phi$ -lab Information Day for Finland 07.02.2024
- IPC #345 Meeting 31.01.2024

Public access to documents is restricted in accordance with ESA rules.

You can get the right to read them by requesting it from Tiina Nurmi ([tiina.nurmi@businessfinland.fi](mailto:tiina.nurmi@businessfinland.fi)).



# GEOGRAPHICAL DISTRIBUTION OF CONTRACTS Q4/2022



New Domains Set Q3/Q4-2020

	2015 Q4	2016 Q4	2017 Q4	2018 Q4	2019 Q4	2020 Q4	2021 Q4	2022 Q4	2023 Q4
<b>MANDATORY PROGRAMMES AND ACTIVITIES</b>	0.34	0.41	0.49	0.77	1.02	0.99	0.95	0.91	0.88
EARTH OBSERVATION	0.65	0.94	0.91	0.88	1.05	1.00	1.03	1.01	1.02
SPACE TRANSPORTATION	0.00	0.20	0.56	0.37	1.09	1.09	1.12	1.04	0.92
HUMAN AND ROBOTIC EXPLORATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.42
TELECOMMUNICATIONS	0.86	0.82	1.15	1.04	1.01	1.00	1.00	1.01	1.02
SPACE SAFETY						0.62	0.73	2.07	1.52
OTHER PROGRAMMES AND ACTIVITIES	1.66	1.06	1.11	1.08	1.06	1.10	1.11	1.07	1.06
<b>MANDATORY PROGRAMMES AND ACTIVITIES</b>									
BASIC ACTIVITIES	1.03	0.88	0.97	1.10	1.23	1.33	1.28	1.28	1.26
SCIENTIFIC PROGRAMME	0.04	0.28	0.33	0.65	0.84	0.78	0.74	0.70	0.74

# IPC #346

## 4. Industrial and technology policy issues

4.6 Conclusions of the 2nd Cycle 2023 Harmonisation Meetings

ESA/IPC(2024)32

(D)



Chemical  
Propulsion -  
Components



Photonics



Big Data from  
Space



System  
Modelling and  
Simulation  
Tools

The Roadmaps (RMs) and Technology Harmonisation Dossiers (THDs) have been updated, as appropriate, following the Roadmap Meetings to reflect discussions and agreements. Roadmaps proposed for the next 3 to 6 years.

# IPC #346

## 4. Industrial and technology policy issues

- |      |   |                 |     |
|------|---|-----------------|-----|
| 4.12 | Revision of the Procurement Regulations   | ESA/IPC(2024)36 | (C) |
|      | <ul style="list-style-type: none"><li>• evolution of innovative methods of tendering and contracting</li><li>• more flexibility and autonomy for the Executive to plan tender actions, with the goal to reduce Time-to-Contract</li><li>• 172 pages</li></ul>   |                 |     |
| 4.14 | Implementing Life Cycle Thinking and Eco-Design in ESA Space Projects   | ESA/IPC(2024)38 | (C) |
|      | <ul style="list-style-type: none"><li>• From 2024 onwards, European companies will have to reinforce their reporting requirements over Corporate Social Responsibility (CSR) in terms of acuity, standards, and content reporting on their core business activities but also on cross-cutting activities along the value chain.</li></ul> |                 |     |
| 4.15 | Zero Debris Approach: Implementation  | ESA/IPC(2024)39 | (I) |
|      | <ul style="list-style-type: none"><li>• a new paradigm for space activities based on a zero debris</li><li>• long-term sustainability of space activities</li></ul>   |                 |     |

# IPC #346

## 5. Procurement matters

### 5.1 Directorate of Technology, Engineering & Quality – D/TEC

#### Work Plans/Procurement Plans

- 5.1.1 GSTP ELEMENT 1 “DEVELOP” WORK PLAN/PROCUREMENT PLAN ESA/IPC(2024)61,add.1 (D)
- 5.1.2 GSTP ELEMENT 1 “DEVELOP” WORK PLAN/PROCUREMENT PLAN - SPECIFIC AREA: CYBERSECURITY ESA/IPC(2024)61,add.2 (D)

#### Procurement Proposals

- 5.1.3 GSTP ELEMENT 2 “MAKE” PROCUREMENT PROPOSALS ESA/IPC(2024)62,add.1 (D)
- 5.1.4 RF Interference Monitoring for Space Missions ESA/IPC(2024)40 (D)

# IPC #346

## 5. Procurement matters

### 5.5 Directorate of Science – D/SCI Procurement Proposals

5.5.2	Procurement of the Constellation Acquisition System (CAS) for the LISA programme	ESA/IPC(2024)1,add.31,cor.1	(D)
5.5.3	Procurement of the Micro Propulsion Assembly (MPA) for the LISA programme	ESA/IPC(2024)1,add.32	(D)
5.5.4	Design, Development and Support to Launch and Post Launch Operations (Phase B2/C/D/E1) of the LISA Spacecraft	ESA/IPC(2024)1,add.33	(D)
5.7.2	Grouped Contract Proposal to place parallel contracts - Phase B/C/D/E/F of a Positioning, Navigation and Timing (PNT) In-Orbit Services Demonstration in Low Earth Orbit	ESA/IPC(2024)58	(D)

### 5.8 Directorate of Commercialisation, Industry and Competitiveness – D/CIC Information Item

5.8.1	ScaleUp Programme Annual Status Report 2023	ESA/IPC(2024)59	(I)
-------	---	-----------------	-----

# IPC #346

## 7. Information documents

7.4 Assessment of Space-Enabled Applications in the Automotive Sector

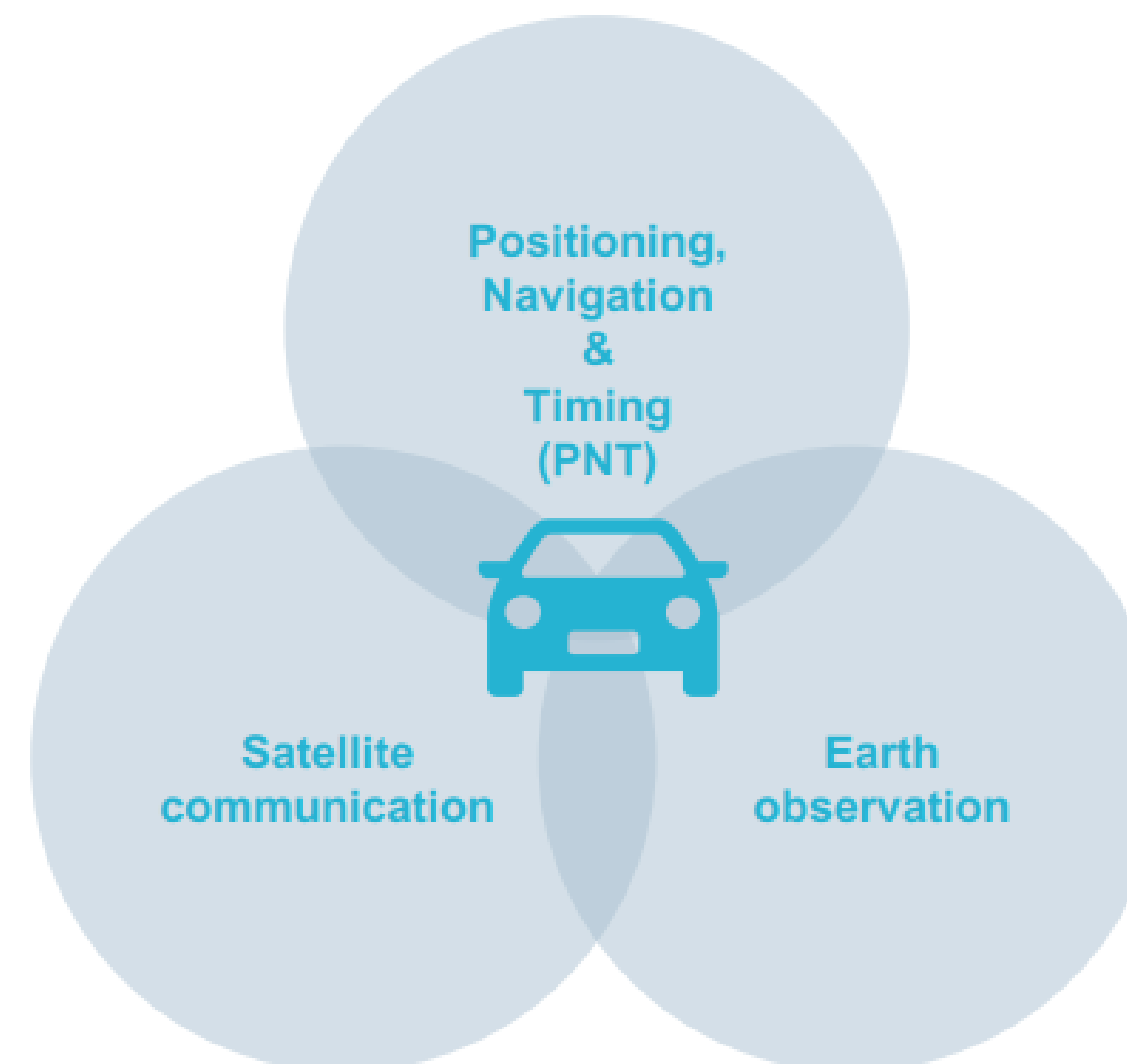
ESA/IPC(2024)72

### **Sat Com, EO and PNT** €153.9 bn

- Supply chain transparency & resilience
- Roadworks & forward collision warning
- Real-time traffic control
- Road health & infrastructure monitoring

### **Sat Com** €55.2 bn

- Backbone, secure communication & teleoperation
- Connecting people



### **Sat Com & PNT** €645.6 bn

- Auto pilot
- Auto pilot & teleoperation
- Dynamic insurance contract
- Vehicle health & condition-based maintenance
- Entertainment

### **Earth Observation & PNT** €68.9 bn

- Production network emissions footprint
- Productivity & competition monitoring
- ESG compliance

*Figure 4-15 Combining Capabilities across EO, PNT and Sat Com*

7.5 Deorbiting market study

ESA/IPC(2024)73

7.6 Anchor Tenancy study

ESA/IPC(2024)74