SNSA information

National and European programmes

SRS annual meeting in Stockholm, March 25−26, 2026

SNSA research team:
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Rymdstyrelsen
Swedish National Space Agency

Rymdstyrelsen
Swedish National Space Agency

Agenda

- Introduction
- National research programmes
- EU programmes – Horizon Europe
- ESA programmes
- Updates on new SNSA programmes

SNSA
National research programmes

- Outcome of 2025 calls
- 2026 calls
- New call for space exploration research projects

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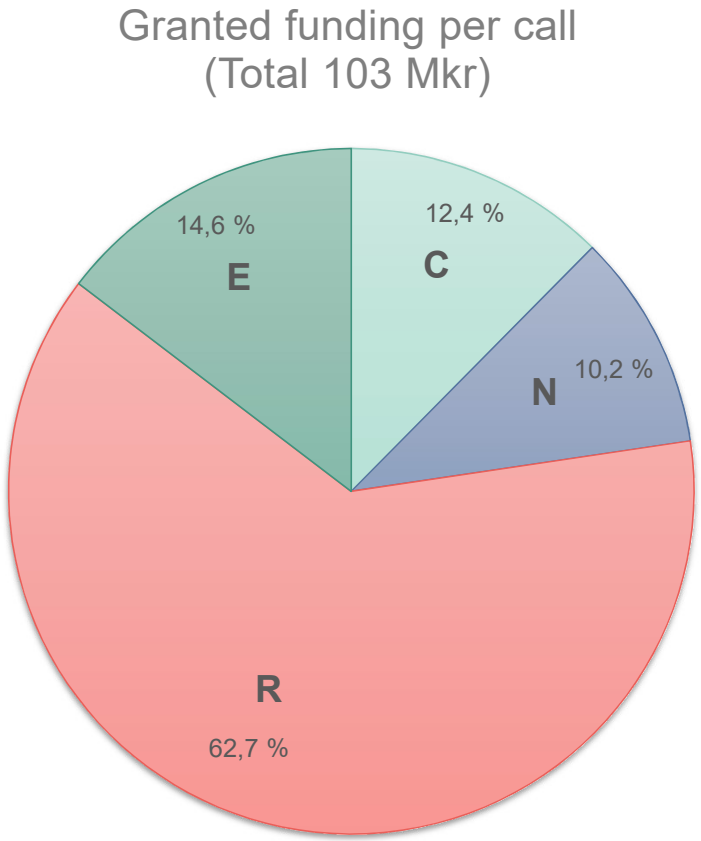
Outcome of 2025 calls

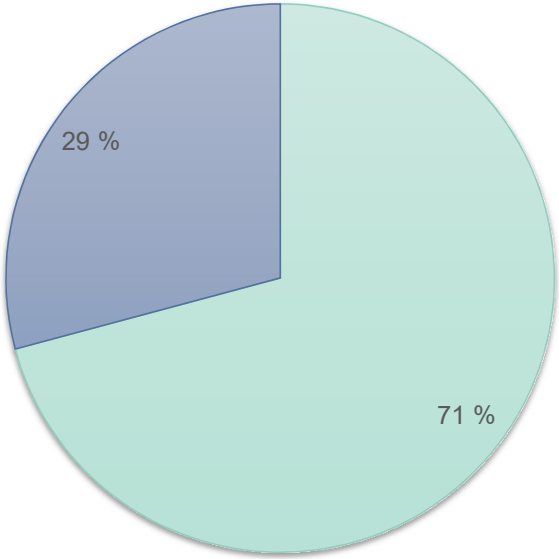
Call	Number of applications	Success rate (%)	Total budget (Mkr)
2025-R Research projects	70	18,5	64,7
2025-C Career support	20	15	12,8
2025-E Space exploration research projects	11	36	15,1
2025-N New contributions to international space missions	8	50	10,6

+ Call on invitation only (2025-INV): Prolongation of support to long-term projects with SNSA commitment – 7 projects – 43 Mkr



Outcome of 2025 open calls

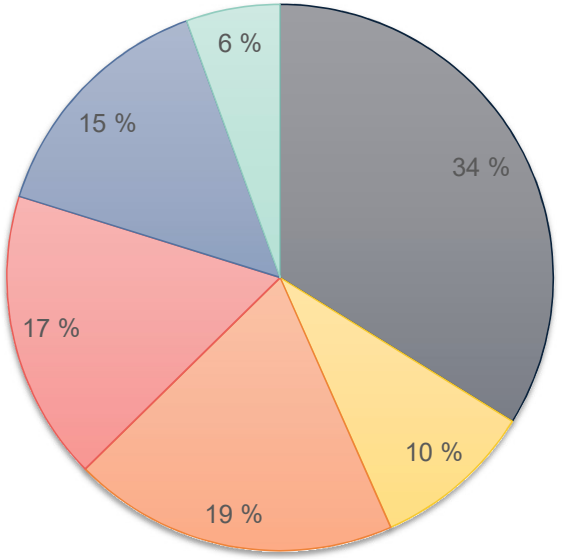
Share of projects by PI gender
(Total 24 projects)



Male Female

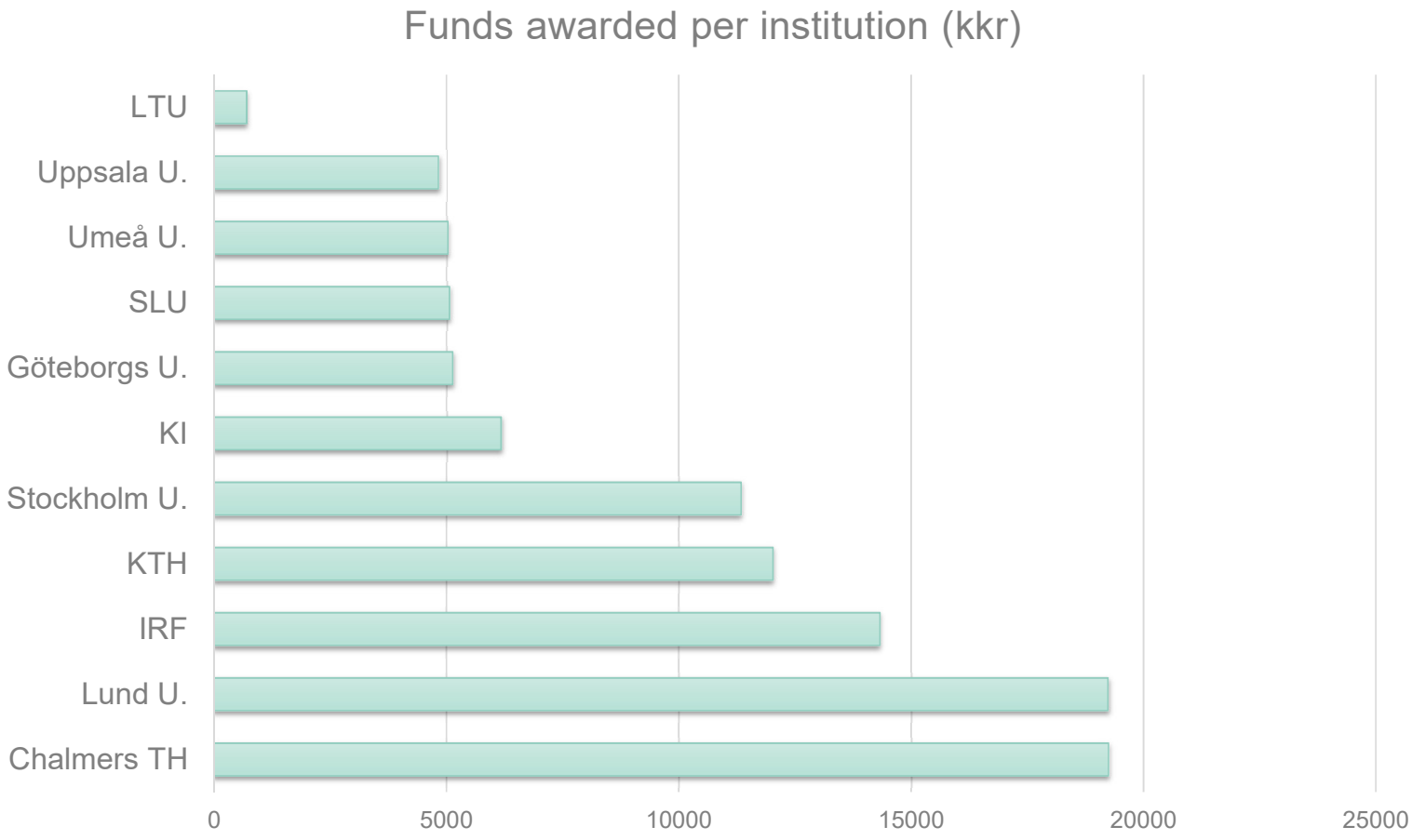
Success rate:	21%	24%

Funds awarded per field
(Total 103 Mkr)

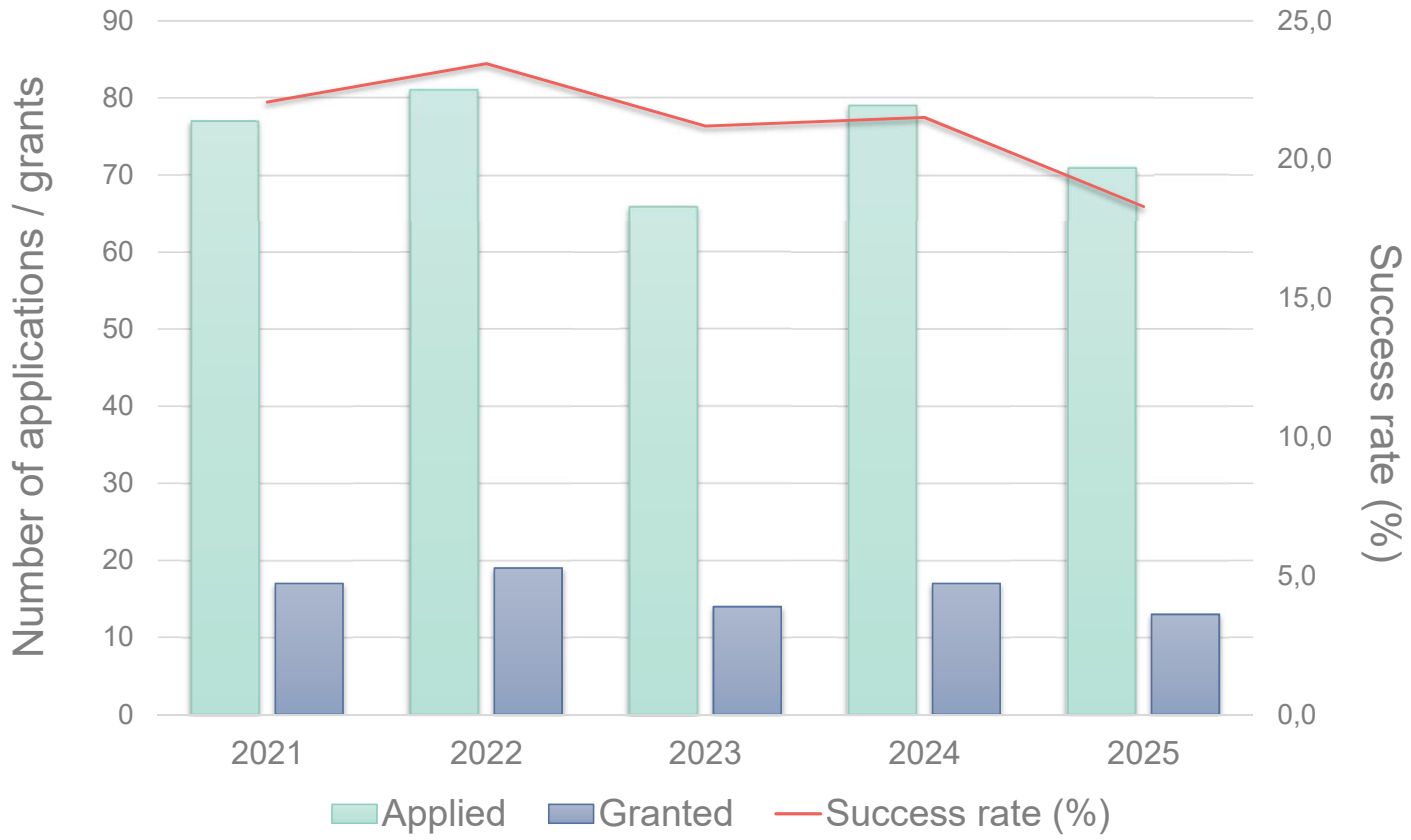


Earth observation
Atmospheric science
Astronomy
Space plasma
Space physiology and microgravity
Solar system

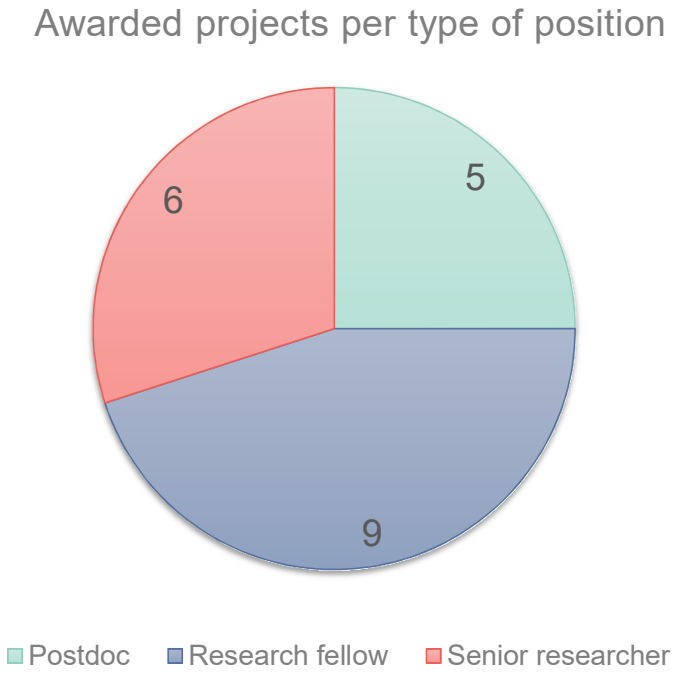
Outcome of 2025 open calls

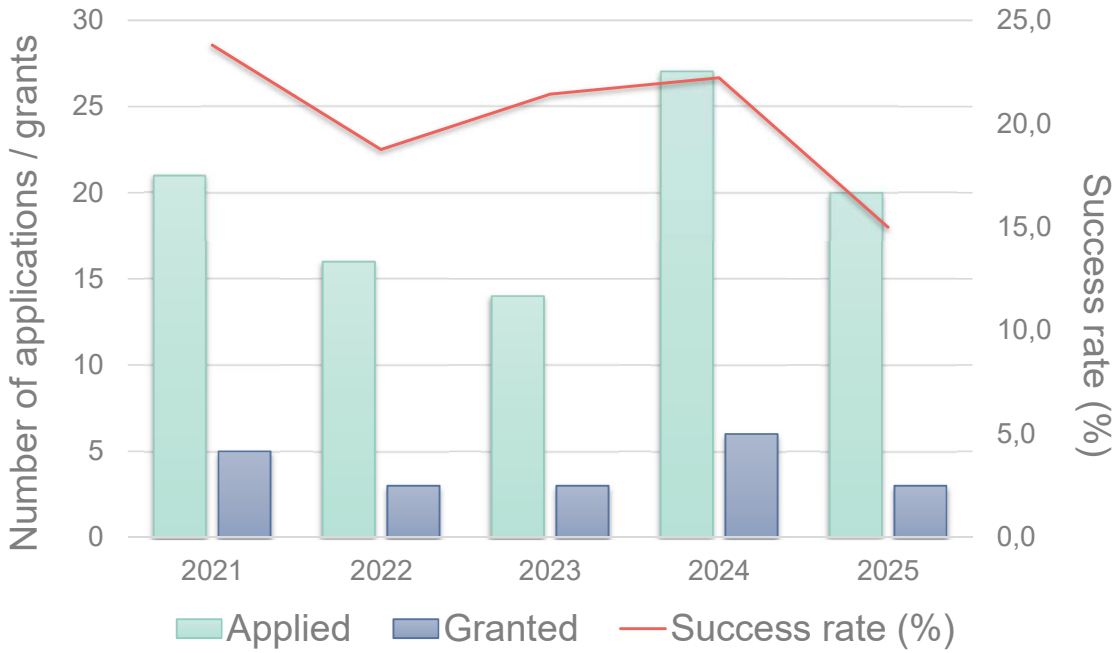


Research projects
R call, 2021-2025



Career support
C call, 2021-2025





45% of female PIs

New contributions to international space missions (2025-N)

PI	Field	Project	Institution	Timeframe
Yuri Khotyaintsev	Space plasma	Data Calibration, Processing and Operations for MMS/SDP	IRF	2026
Lars Ulander	Earth observation	Algorithm development and calibration/validation of the BIOMASS AGB product	Chalmers	2026-2029
Rüdiger Haas	Earth observation	VLBI with ESA´s Genesis satellite	Chalmers	2026-2028
Axel Hagermann	Solar system	CALICO+ study phases 0 & A	LTU	2026

2026 Calls

Call	Status	Deadline
2026-R Research projects	open	May 13
2026-E Space exploration research projects	open	May 13
2026-C Career support	open	May 5
2026-N New contributions to international space missions	open	April 16
2026-BR Balloon and rocket experiments launched from Esrange	TBD pending on available budget	
Support for travel and events	Continuously open	

Space Exploration Call – 2026-E

Kristine Dannenberg

Head of Space Exploration and Access to Space

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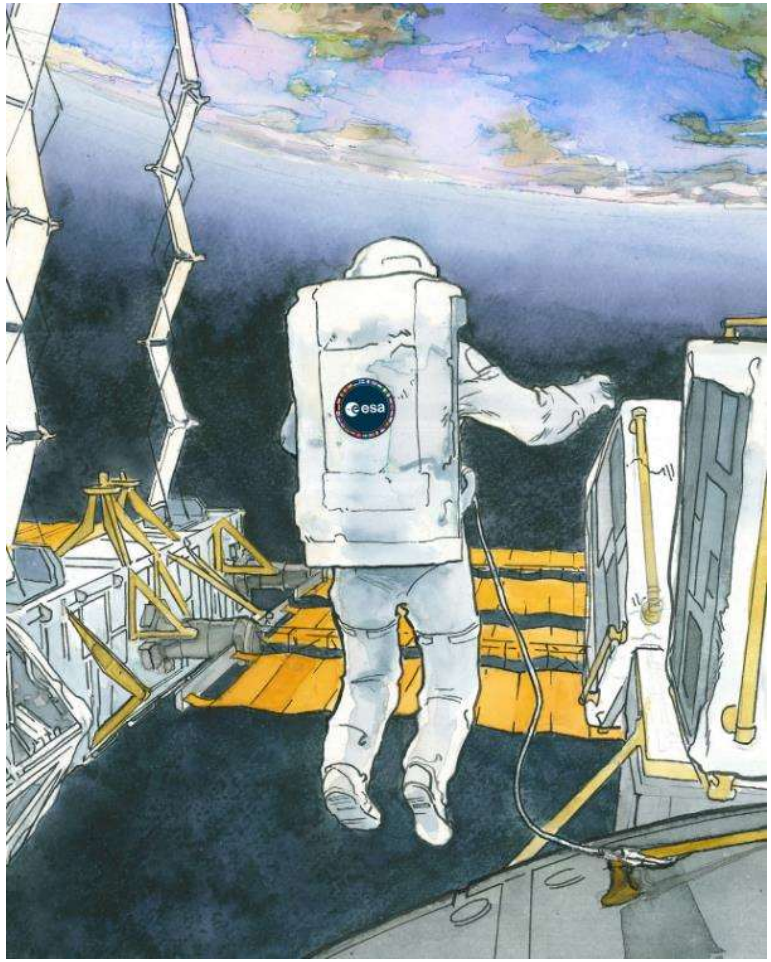
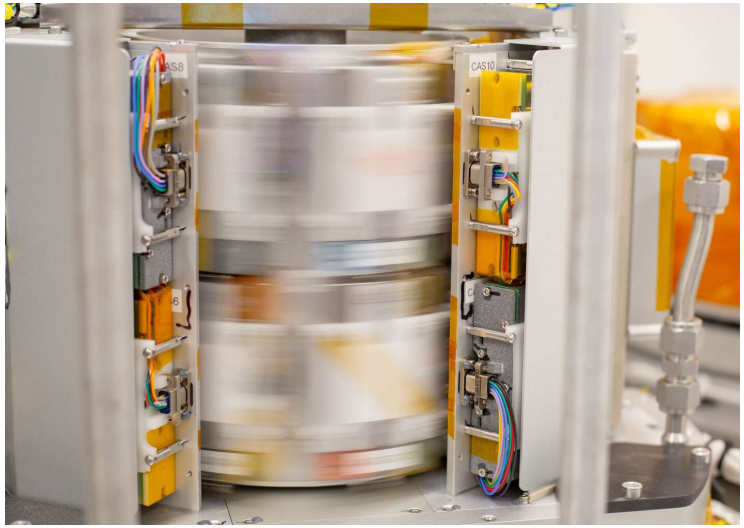
New exploration call introduced in 2025

- Support to exploration projects – focusing on experiments selected by ESA or other space agencies (e.g. NASA, JAXA, etc.)
- Examples of research areas – space physiology, biology, physics and material science in microgravity/space environment
- Platforms – ISS, sounding rockets, relevant ground-based platforms, e.g. bed-rest, drop tower, and parabolic flights, including ground analogues



Outcome of 2025-E

- 11 proposals received
- 4 project selected – all related to ESA selected experiments
- ESA selection and high ranking – important boundary condition in this Call



Space exploration call 2026-E

- Very similar to Call 2025-E with slightly updated instructions, deadline May 13, 2026, at 14.00

ESA Exploration Science Newsletter: Link

EU programmes – Horizon Europe

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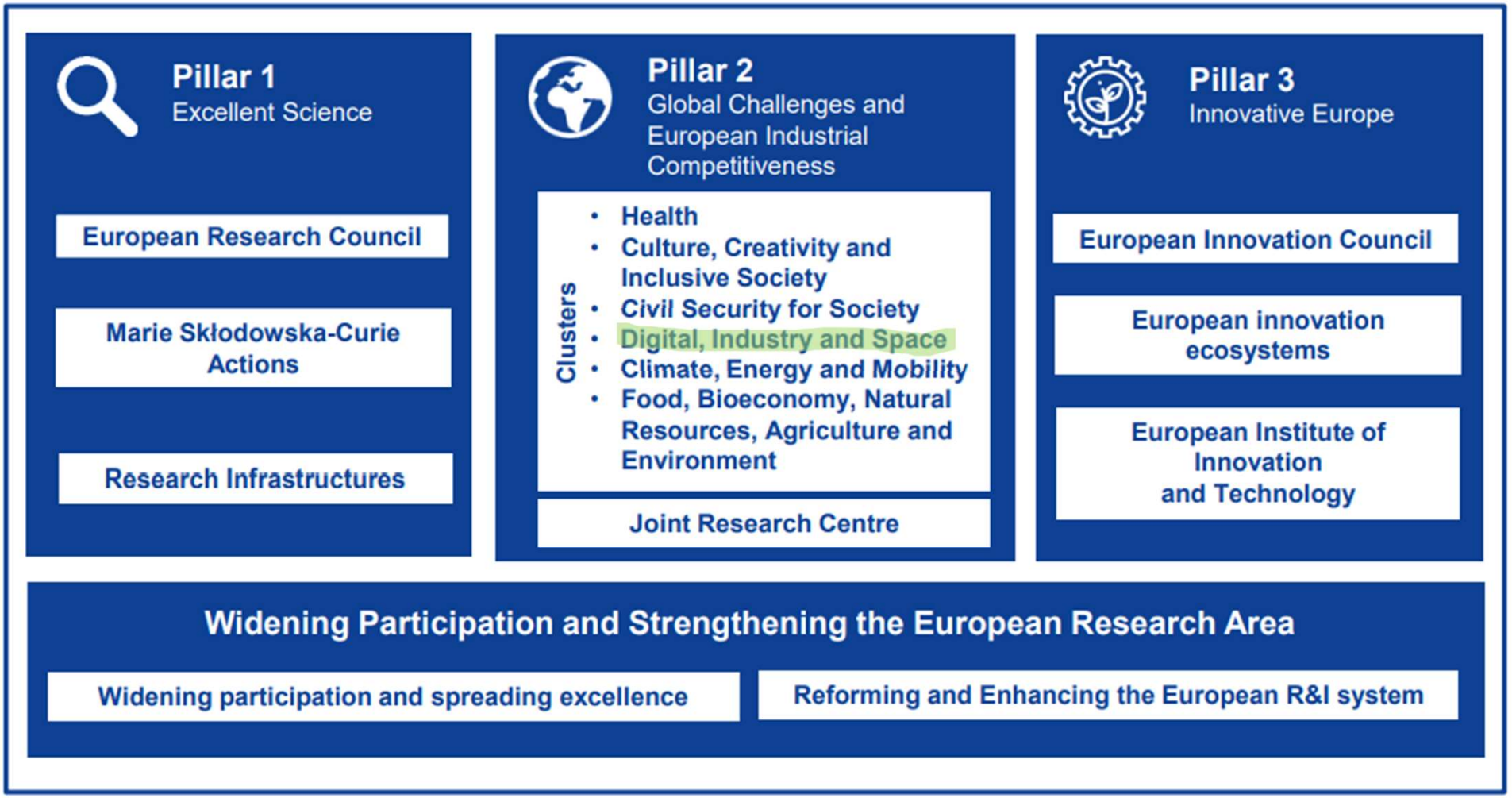
SNSA and Horizon Europe

- Space activities mainly within Cluster-4, "Digital, Industry and Space"
- Swedish delegates from the Government Offices, experts from Vinnova and the Swedish National Space Agency prepare and staff meetings
- A Swedish “reference group” with stakeholders from industry, academia and authorities for the entire cluster
- The group has a “space section”, more active participants welcome
- Contact persons at the Swedish National Space Agency:
  Kristine Dannenberg, expert in the programme committee
  Iris Lee Thomson, National Contact Point

Structure of the programme



Next Framework Programme (FP10)

Newsletters and other information

- Vinnova : Prenumerera på Vinnovas nyhetsbrev om Horisont Europa | Vinnova
- NCP-network COSMOS4HE: Homepage - Cosmos (ncp-space.net)
- StarsEU: Gateway to EU-funded Space Research and Innovation - Stars EU
- CASSINI Space Entrepreneurship initiative,
  Home | EU Agency for the Space Programme (cassini.eu)
- EU-related information is also included in the various newsletters by SNSA,
  Nyhetsbrev från Rymdstyrelsen - Rymdstyrelsen

Other useful news

VINNOVA
Sveriges innovationsmyndighet

- Vinnova´s planning grant to lead a consortium or participate to international call
  Planeringsbidrag inför en internationell ansökan 2026 | Vinnova
  (not limited to Horizon Europe)
- 300 000 – 500 000 SEK/grant
- Several cut-off dates in 2026

AI generated image

ESA programmes

- Outcome of CM25
- Science programme
- Exploration programme
- Earth Observation programmes

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ESA Council Meeting at Ministerial Level 2025 (CM25)

Bremen on 26–27 November 2025

Outcome of CM25

ESA Council Meeting at Ministerial Level

Decisions on ESA's direction and multi-year funding commitments

Total of **22.3 G€** committed (+17% in purchasing power compared to CM22)

- **Mandatory part** (cost shared by member states according to GNP)
- **Optional part** (each country decides on its own contribution to each programme)

ESA and Member States presented this as a strong political signal in favor of European autonomy, security, resilience, competitiveness and strategic relevance in space.

ESA Science Programme

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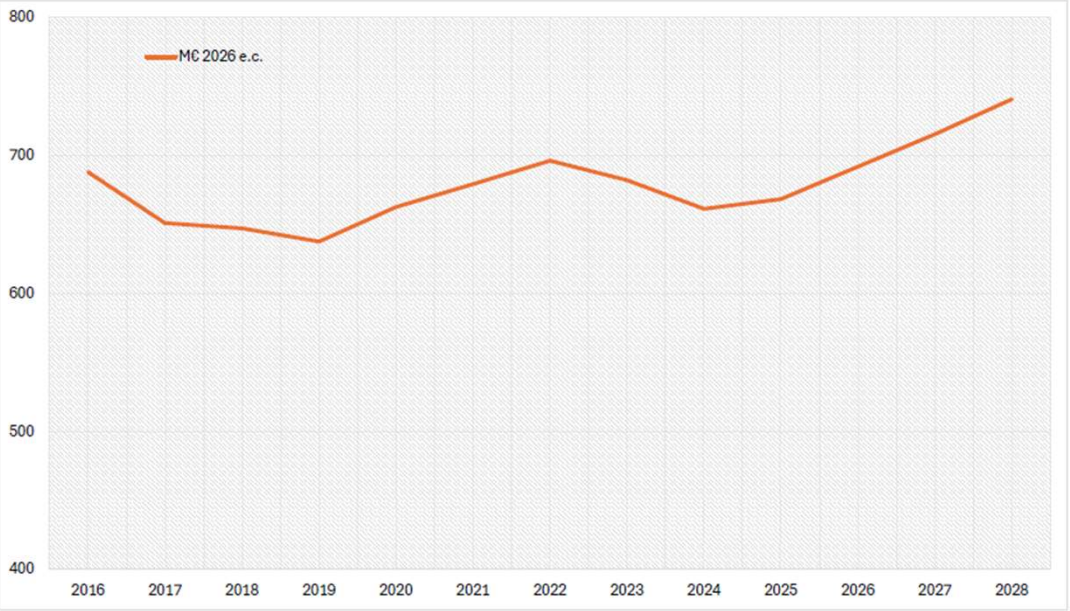
Funding of ESA Science

Source for diagram: ESA



CM22

Stagnating budget and loss of purchasing power due to high inflation

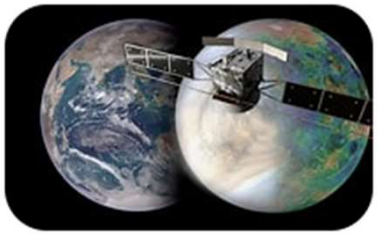
CM25

Very positive outcome: 3.5% annual increase above inflation during 2026−2029.

Based on CM25, a **Long Term Implementation Plan** is under development for endorsement in June. Member states have stressed the importance of **cadence, diversity and continuity**.

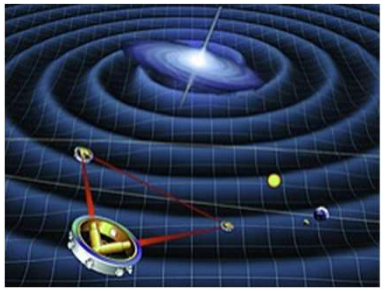
NASA budget situation – a challenge to ESA Science

Europe may have to take over tasks from NASA – Cost up to 700 M€



EnVision: Short-term problem requiring fast actions.

Likely scenario: ESA must invest in European Synthetic Aperture Radar.

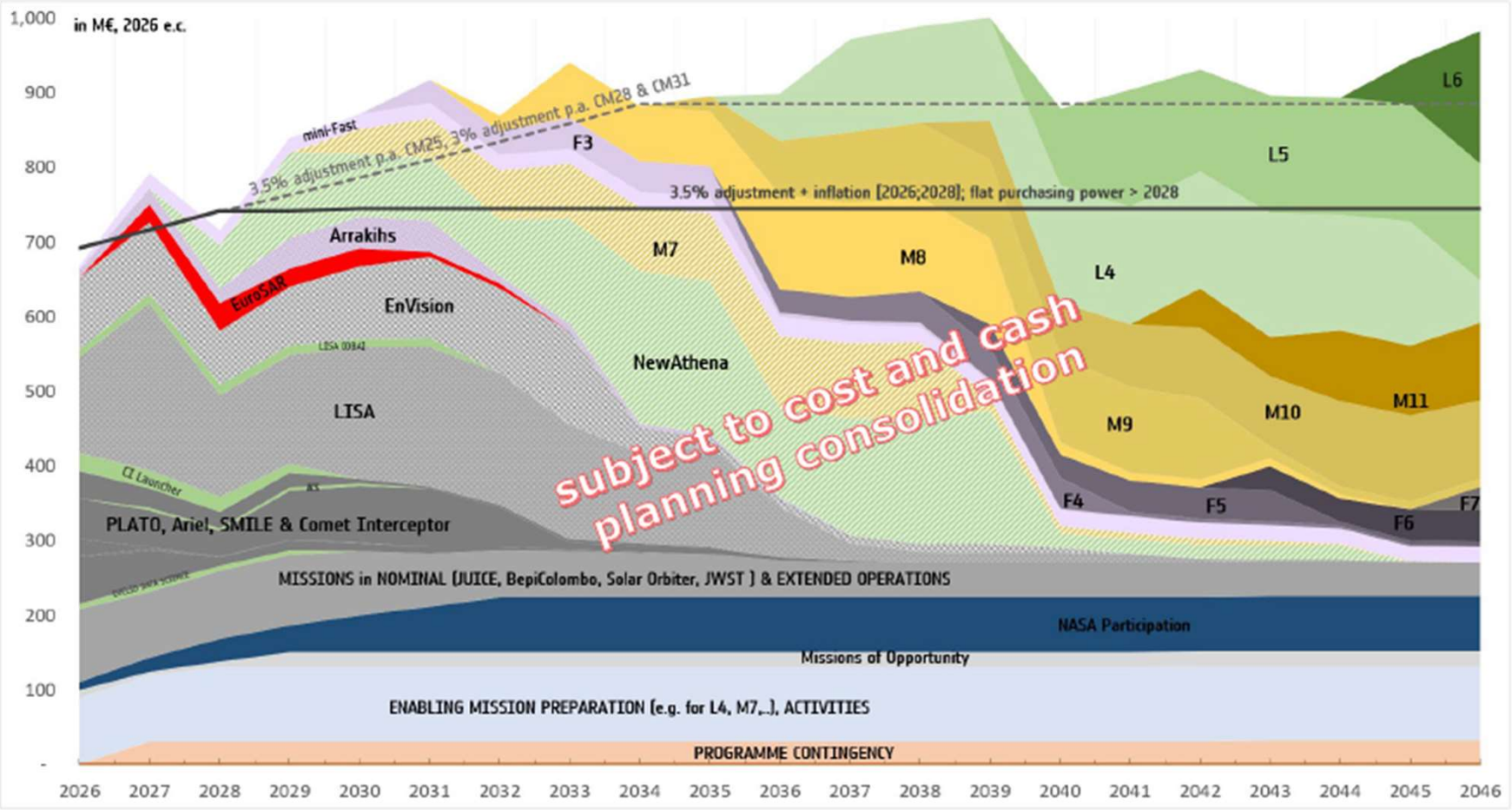


LISA: NASA is clearly interested in participation, but U.S. situation remains unclear. ESA has prepared for a European solution. If needed, the extra costs will be very high and increase the total cost far above 2 G€.

NewAthena: ESA prepares for adoption of the mission in mid-2027. Distribution of responsibilities must be clear by then.

ESA Science planning

Source for diagram: ESA

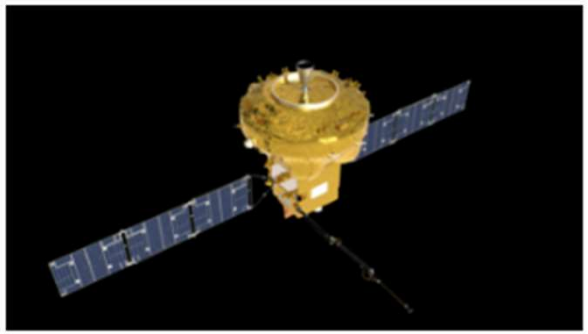


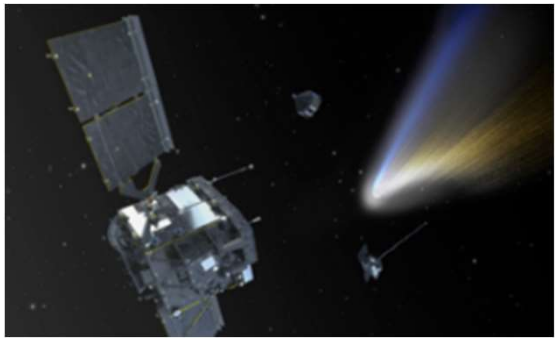
Near-term events of the ESA Science Programme

SMILE, launch on April 9 - Solar wind, magnetosphere, ionosphere

PLATO, launch early 2027 - Exoplanet observatory

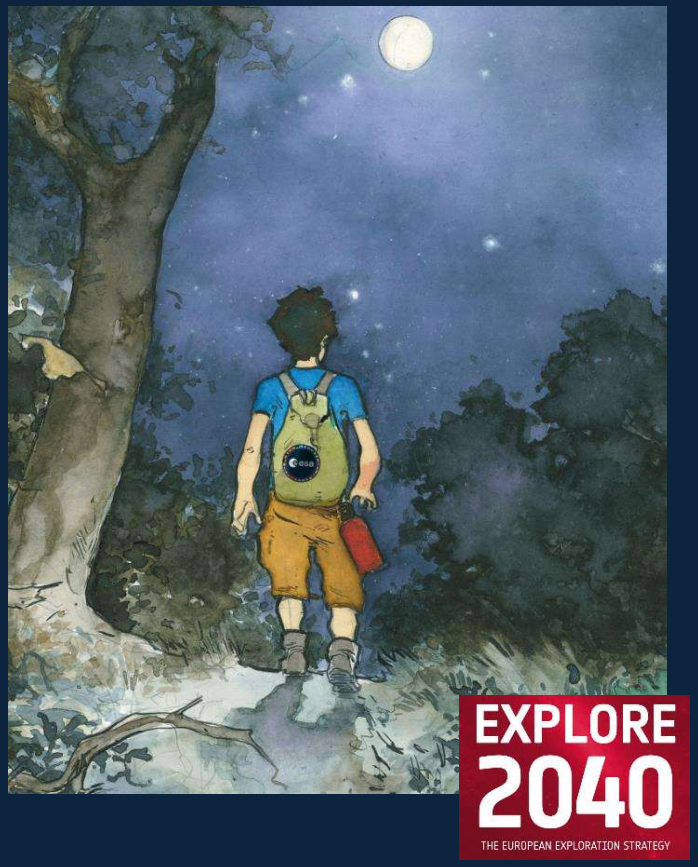
Comet Interceptor, launch 2028 de-coupled from Ariel - To chase a fresh comet





ESA Exploration Programme

Terra Novae, E3P



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ESA Exploration Programme – outcome of the ESA Ministerial meeting

€2.976 billion achieved, corresponding to ~80 % of the targeted envelope for E3P

Main domains and focus:

- Low Earth Orbit (LEO) – ISS, astronaut flights, LEO Cargo Return Service
- Moon: Argonaut, small missions, ESM/Orion, ~~Lunar Gateway~~
- Mars: Rosalind Franklin Mission (ExoMars)
- Exploration Science, including sounding rockets
- Expert - technology studies for future exploration

ESA Exploration Programme – Swedish contributions and opportunities

- SE contribution to E3P 19,5 M€ in total
  14 M€ to Exploration Science,
  5 M€ to Moon and 0,5 M€ to Low Earth Orbit
- Science opportunities not (necessarily) dependent on Swedish contributions to the Programme
- Various exploration science calls recently issued by ESA
- Examples:
  * Call for Inter-Disciplinary Scientists and Guest Investigators for the ExoMars Trace Gas Orbiter mission
  * Lunar return sample community survey
  * Request for Information – Venous thrombosis risk during spaceflight

ESA Earth Observation Programmes

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Swedish National Space Agency

Outcome of CM25 – Earth Observation

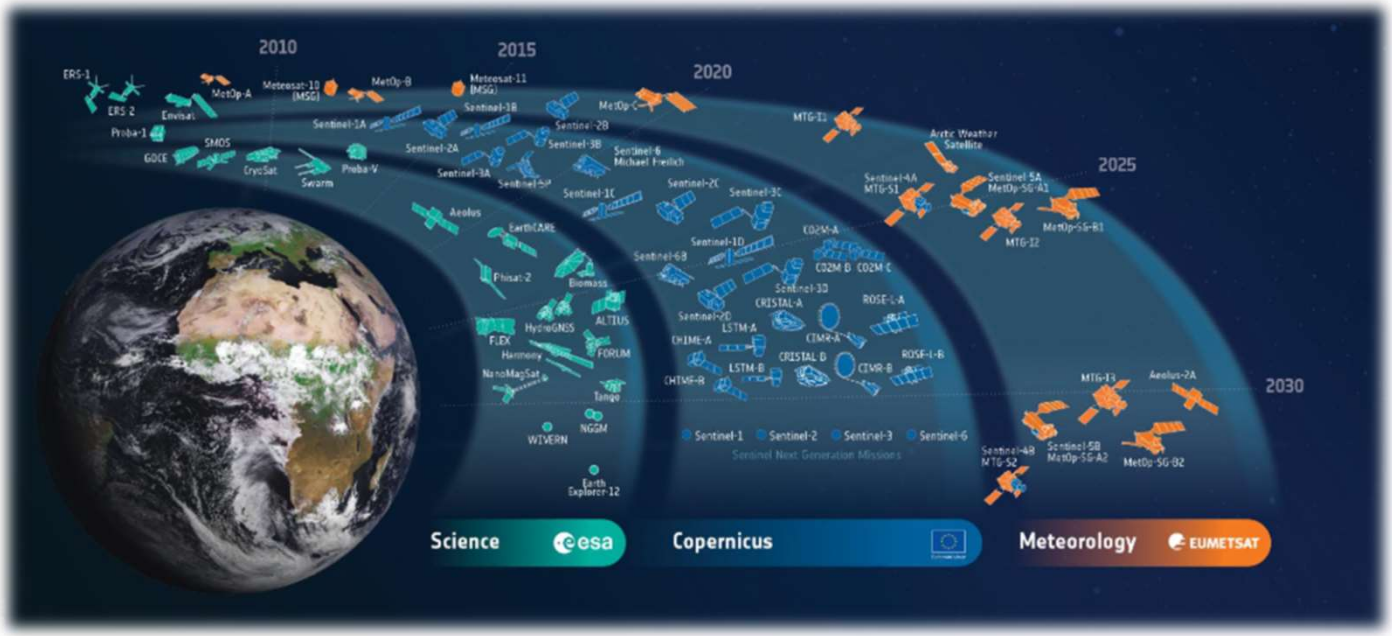
Total subscriptions: 3 455 M€

(15% of the total ESA budget, second largest optional programme),

Oversubscribed at 102%

→ **All projects are secured!**

Swedish contribution: 23 M€



FutureEO,
World-leading R&D programme in Earth Observation

- Includes future mission preparation studies, cutting-edge Earth system & climate science research studies.
- Highlights on Earth Explorers:
  - **BIOMASS** successfully launched in April 2025. Commissioning completed. **Data now open to all**.
  - **Earth Explorer 12**: 4 mission concepts in competition (CryoRad, ECO, Hydroterra+ and Keystone).

    User Consultation Meeting on 8-9 July: presentation of the Phase 0 achievements, opportunity for the scientific community to provide critical feedback.

    Decision on **selection of 2 mission concepts** expected shortly after the meeting.
  - **Launch of FLEX** planned in Q3 **2026**.
  - Call for **Earth Explorer 13** planned for Feb. **2027**.

Success of the Arctic Weather Satellite

- ESA mission initiated by Sweden.
- Launched in August 2024.
- Has demonstrated **exceptional scientific value**, with data already supporting numerical weather prediction and advancing climate research.
- EUMETSAT has now approved the **EPS-Sterna constellation: 20 satellites** will be built, based on the AWS prototype!

  → Will deliver **global, rapid revisit, long-term atmospheric observations.**

Opportunities for MAG membership

- **Mission Advisory Group** (MAG): ESA-appointed panel of scientists guiding the development of an EO mission.
- Opportunity to directly shape mission design, science outcomes, and to extend your international network.
- **3 MAG membership calls currently open**, until March 31:
  - Radar Observing System over Europe in L band (**ROSE-L**)
  - Copernicus Sentinel-1 Next Generation (**S1NG**) Mission
  - Next Generation Gravity Mission (**NGGM**)

More info:

- Subscribe to our newsletter for researchers to stay informed about similar opportunities in the future.

Update on new SNSA programmes

- Space data programme
- Dual use programme
- National satellite programme
- National doctoral school (already covered by Christer Fuglesang)

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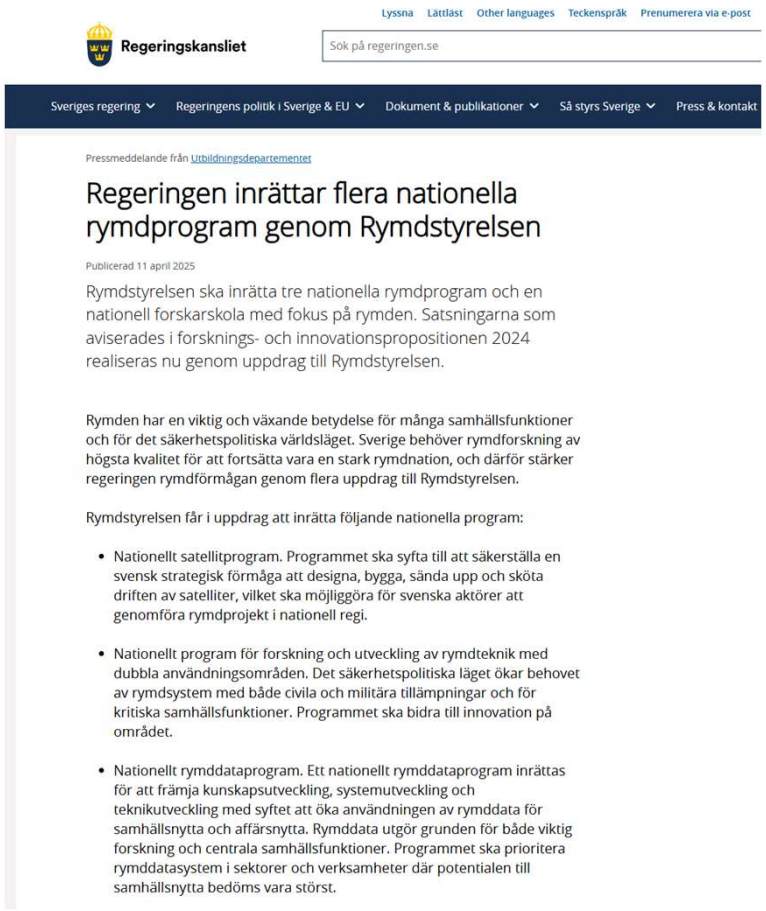

Lyssna Lättläst Other languages Teckenspråk Prenumerera via e-post

Regeringskansliet

Sök på regeringen.se

Sveriges regering | Regeringens politik i Sverige & EU | Dokument & publikationer | Så styrs Sverige | Press & kontakt

Pressmeddelande från Utbildningsdepartementet

Regeringen inrättar flera nationella rymdprogram genom Rymdstyrelsen

Publicerad 11 april 2025

Rymdstyrelsen ska inrätta tre nationella rymdprogram och en nationell forskarskola med fokus på rymden. Satsningarna som aviserades i forsknings- och innovationspropositionen 2024 realiseras nu genom uppdrag till Rymdstyrelsen.

Rymden har en viktig och växande betydelse för många samhällsfunktioner och för det säkerhetspolitiska världsläget. Sverige behöver rymdforskning av högsta kvalitet för att fortsätta vara en stark rymdnation, och därför stärker regeringen rymdförmågan genom flera uppdrag till Rymdstyrelsen.

Rymdstyrelsen får i uppdrag att inrätta följande nationella program:

- Nationellt satellitprogram. Programmet ska syfta till att säkerställa en svensk strategisk förmåga att designa, bygga, sända upp och sköta driften av satelliter, vilket ska möjliggöra för svenska aktörer att genomföra rymdprojekt i nationell regi.
- Nationellt program för forskning och utveckling av rymdteknik med dubbla användningsområden. Det säkerhetspolitiska läget ökar behovet av rymdsystem med både civila och militära tillämpningar och för kritiska samhällsfunktioner. Programmet ska bidra till innovation på området.
- Nationellt rymddataprogram. Ett nationellt rymddataprogram inrättas för att främja kunskapsutveckling, systemutveckling och teknikutveckling med syftet att öka användningen av rymddata för samhällsnytta och affärsnytta. Rymddata utgör grunden för både viktig forskning och centrala samhällsfunktioner. Programmet ska prioritera rymddatasystem i sektorer och verksamheter där potentialen till samhällsnytta bedöms vara störst.

A national space data program is established to promote knowledge development, system development, and technology development with the aim of increasing the use of space data for societal and business benefits.

The program will prioritize space data systems in sectors and activities where the potential for societal benefit is considered greatest.

Support for project design for spatial data processing

Purpose: To support activities that contribute to the development of projects focused on the value-adding use of space data, for example by:

- establishing new cross-sector and interdisciplinary collaborations that enable the use of space data;
- identifying new areas of collaboration where space data-based solutions can play an important role; and
- promoting the uptake and practical application of research developed using space data, or where space data constitutes a key component of the solution.

The constellation:
A consortium consisting of at least one public authority or academic institution, and at least one other party (academic institution, public authority, or company).

Main applicant:
A university, or public authority (including municipalities, regions and counties).

Roles within the consortium:
There must be one actor that serves as the potential end user.

Eligible costs:
Working time spent participating in the project.
Public authorities:100%
Researchers: 100%
Companies: in accordance with the rules on public funding

Timeline and Budget

26-feb-26 Utlysningen öppnar
24-april-26 Utlysningen stänger
01-maj-26 Besked om tilldelning
08-maj-26 Projektstart
16-maj-26 Fakturan skickas in till RS
16-nov-26 Projektavslut och slutrapporteringen

Budget: 5 Mkr total

Project: max 6 months /max 0,5 Mkr

Payout: 100% during 2026

AI for satellite data application

Purpose: To raise competence and strengthen collaboration that enables the use of AI to refine space data, with the goal of addressing relevant societal needs and challenges.

- Identify missing competence or collaboration needs required to use AI in the refinement of space data
- Create new cross-sectoral and interdisciplinary collaborations that enable the use of AI in the refinement of space data
- Define and carry out projects that address relevant needs through solutions based on space data and AI models

The constellation
A consortium with at least one public authority or academic institution, and at least one other actor (academic institution, public authority, or company).

Main applicant: Universities/university colleges or a public authority

Roles in the consortium:
There must be one actor that is the potential end user
There must be one actor with expertise in refining space data
There must be one actor that contributes AI expertise

What is funded:
Working time to participate in the project.
Public authorities: 100%
Researchers: 100%
Companies: according to the rules for public funding

What is expected *(items 1, 2, 3, and 4 are mandatory)*:
1) Identification and definition of the needs of the potential end user to be addressed through the use of space data
2) Identification of competence or collaboration needs required to develop solutions in which both AI and space data play a significant role
3) Definition and implementation of activities that help meet competence or collaboration needs within the project consortium
4) Definition of possible concepts in which both AI and space data play a central role, e.g. products, services, tools, and/or working methods based on satellite data
5) Development of one of the defined concepts
6) Testing and evaluation of the concept within the needs owner's operations
7) Implementation of the developed solution as a permanent part of the needs owner's way of working

Timeline and Budget

Open: mid April 2026
Closes: September 2026
Evaluation/granting/decision: October 2026

Budget: SEK 50 million

Project: maximum 2 years / maximum SEK 5 million

Disbursement:20% in 2026, 30% in 2027, 50% in 2028

SNSA:s Dual use programme

A programme for **advanced space technology**.

For **civilian, civil defense and military** applications that are **critical to society**.

Contact: fredrik.stenstrom@snsa.se

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Swedish National Space Agency

Calls and numbers

- Call 2025-1
  - 21 applications / 12 granted (20 Mkr/year and a total of 52 Mkr)
- Call 2026-1
  - 23 applications / on-going evaluation
- Call 2026-2
  - Opens 2026-09-14 / Closes 2027-02-11

National satellite programme of SNSA

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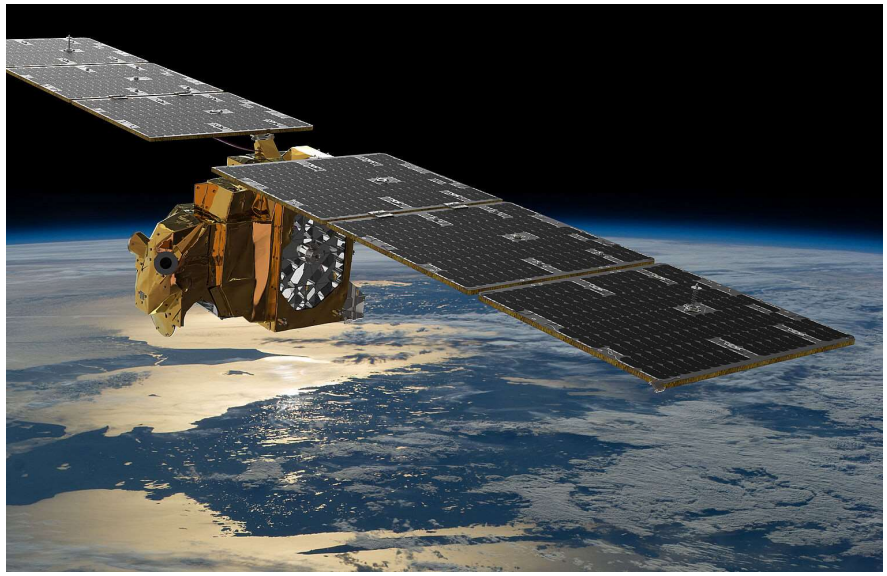
National satellite programme

- SNSA tasked to establish a Swedish national satellite programme with regular calls for cost-effective national satellite projects
- The aim of the programme –
  - to ensure the strategic ability to develop, build, launch and operate satellites from Sweden
  - to offer Swedish researchers, governmental agencies and industry the opportunity to carry out national satellite projects
- Status today – Swedish Defence Research Agency (FOI) carries our gap analysis,
  SNSA investigates possible SNSA-ESA agreement on implementation of the national satellite programme



Thank you!

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