

# INSTRUCTIONS TO CALL 2024-R

## Open call to researchers in Sweden to apply for funding for Space Research, including Earth Observation Research

### SCHEDULE

**Release:** Prisma will open planned no later than March 15, 2024.

**Deadline:** Applications must be submitted no later than **May 22, 2024, at 14:00**.

**Decision:** Grant decisions are expected before the end of the year 2024.

**Period:** Grants can be up to four years.

### PURPOSE OF THE CALL

The Swedish National Space Agency (SNSA, *Rymdstyrelsen*) intends to support research projects in **all areas of science** that concern, in a concrete way, scientific analysis of measurements from:

- space-borne platforms like satellites (including the International Space Station and Earth Observation satellites, e.g. within the Copernicus Programme), planetary probes, planetary rovers, etc.,
- sounding rockets and high-altitude balloons,
- ESA-selected ground-based and airborne science projects, e.g., bedrest and parabolic flights.

An application must fulfill the purpose described above to be evaluated for funding. It must therefore explicitly specify the data sets to be utilised, their sources, availability (in time), and authorised access.

Educational activities are not covered by the current call. Furthermore, we refer to Call 2024-N for projects focused on hardware and software contributions and operation of international research missions, and satellite calibration and validation activities.

The call is limited to projects that will give meaningful scientific results within a research grant of maximum four years. Proposals may also include requests for full support to a doctoral student position. For more information, see Appendix D.

Applicants who are uncertain if their projects fit the purpose and rules of this call are advised to contact SNSA staff.

## Funding level

There is no strict limit on the maximum amount of support that can be applied for in this call. You can therefore apply for the necessary funding for your project, on condition that your budget is carefully justified. The budget for previously awarded grants, available on the SNSA website, can provide guidance on what level of funding is considered reasonable and affordable.

## ENCLOSURES

An enclosure with the project description must be uploaded to the Prisma system (in PDF format). You may optionally also include an enclosure with letters of information. The minimum font size for bulk text in the enclosures is **12 p**. You will find the maximum number of pages and pdf sizes of each enclosure in Prisma. Further instructions are described in the following two sections.

### Project Description

**(mandatory enclosure)**

It is mandatory to use the appropriate template from the home page of the call. See <https://www.rymdstyrelsen.se/forskning/utlysningar/aktiva-utlysningar/2024-R/>.

Make sure that you include clear answers to all questions in the section “Criteria for evaluation” (see below).

### Letters of Information

**(optional enclosure)**

You may only include the following types of letters:

- Letters informing about resources and allocations made available to the project. Examples: Laboratory resources at your university and data availability from an international space mission.
- Letters of commitment from international collaborators, confirming their participation in the project, should it be awarded funding. (For important international collaborators who do not have a Prisma account)

Note that it is not allowed to include any appraisal of the applicants or of the proposed project in the letters.

## CRITERIA FOR EVALUATION

The following evaluation questions are provided to the reviewers in the evaluation process:

- Please judge the scientific quality, novelty and rationale, and the importance of the project internationally and for Swedish society, including both pure science and applied science aspects. How does the project relate to similar, on-going, or planned research internationally?
- Please assess the goals, project plan, implementation method, and work packages. Do you find deficiencies? Is the proposed methodology good and the schedule realistic?

- Please judge the suitability of the proposing team to carry out the described work. How is the experience of the team and its scientific and technical capacity? How is the quality of the publication record from past projects? Are laboratory resources adequate? Is there potential of the project to promote women in research?
- Please assess how well the needs for utilisation of data from space or experiments in space are justified.
- Please judge how well cost estimates and the financial planning are described and if they are realistic and well-justified. Are there hidden costs? Is the extent of the project in years justified?
- If support of a PhD student position is applied for, please assess the suitability of the proposed work for a PhD student. Please also assess the credibility of the planning and the quality of the supervisor(s).

The final research programme of SNSA will mainly be based on the above criteria, combined with the following programmatic considerations:

- Budgetary constraints.
- To what degree is the realisation of the proposed project a result of previously made investments by the applying team and by SNSA in a space mission?  
This may include contributions to the design or manufacturing of a scientific instrument, analyses or specifications of required instrument capabilities or instrument design, software development for data simulation or data acquisition, consortium management, method development for e.g. Earth Observation mission, Cal/Val activities, etc..
- Strategic and policy considerations.
- Potential of the project to increase the number of women active in space-research.
- Extent to which the applicants have delivered mandatory reporting of previous projects funded by SNSA. Moreover, the lack of high-quality publication of results from grants previously funded by SNSA is not in favour of a new grant.
- Urgency of the proposed work.

## **PRISMA**

The Prisma system (<https://prisma.research.se/>) is mandatory for the submission of applications, feedback, and grant administration. An active personal Prisma-account is therefore required. . More information is provided in Appendix G.

It is crucial to register your application well in advance as the Prisma system will automatically prevent registration of your application after the submission deadline. Prisma will provide you with early feedback on missing information required for registration. The system also allows you to unregister, edit and re-register an application before the deadline. For more information, see: <https://prismasupport.research.se/user-manual/researcher/apply-for-a-grant/register-application.html>

## **QUESTIONS AND CONTACT PERSONS**

For questions on this specific call, please contact:

- Kristell Pérot (08-40 90 77 72, [kristell.perot@snsa.se](mailto:kristell.perot@snsa.se))
- Vilgot Claesson (08-40 90 77 75, [vilgot.claesson@snsa.se](mailto:vilgot.claesson@snsa.se))
- Kristine Dannenberg (08-40 90 77 98, [kristine.dannenberg@snsa.se](mailto:kristine.dannenberg@snsa.se))
- Per Magnusson (08-40 90 77 92, [per.magnusson@snsa.se](mailto:per.magnusson@snsa.se))

However, please note that for technical questions on Prisma and general questions on SNSA calls contact details are found at the end of Appendix G.

## ***APPENDICES***

- **G** – General instructions

## Appendix G

# General Instructions

This appendix contains general rules and information concerning some calls within the Research Programme of the Swedish National Space Agency (SNSA, *Rymdstyrelsen*). It is appended to the specific instructions for calls to which it applies. In cases of conflicts between the rules, the specific rules of the call have precedence over the general rules of this document.

## APPLICATION PORTAL PRISMA

Please note that the organization where you are employed (or intends to be employed) must have an **organization account** in Prisma and be accepted by SNSA. If this is not the case, please make sure your employer submits an application to SNSA at least two weeks before the deadline (this is also done via the web site above).

Applicants must have a **personal account** within the system Prisma. For more information, see: <https://prisma.research.se/>.

For open calls, you find the applications forms on the above web portal under “APPLICATIONS AND GRANTS / Calls for proposals”. For invited calls, you receive a link to the call in the invitation from SNSA. Most calls require the uploading of bulk information in the PDF format into the application.

Please make sure to register the application in good time before the deadline applicable to the call.

For support and information on Prisma, see: <https://primasupport.research.se/>

## LANGUAGE

The applications can be written in Swedish or English. However, most members of the SNSA Science Advisory Committee and review panels do not understand Swedish and most external expert reviewers are drawn from the international research community. Thus, SNSA need to engage a translation service for applications received in Swedish. Applicants are advised to use **English** in the application to make sure that their intents are conveyed without such a translational interface.

However, please note that many calls require a project title in both languages and that a popular science summary in Swedish is required.

## **SPREAD OF INFORMATION**

For successful applicants who are granted funding, SNSA plans to make information on the grant available on the web (SNSA web site and/or other web pages, such as SweCRIS), including the following information:

- Funding organisation
- Project leader
- Affiliation
- Abstract (English) and popular summary (Swedish)
- Project duration
- Yearly funding level

## **WHO CAN APPLY?**

The applicant is required to be, or be eligible to become, affiliated to a university or research establishment in Sweden where the project work is to be carried out.

Research grants are issued only to researchers who have a doctoral degree. Applicants who do not have such a degree, but expect to receive it shortly, may nevertheless submit a research proposal. In this case, a copy of the doctoral certificate should reach SNSA by December 1 in the year of submission of the application.

SNSA can reject submitted proposals based purely on outstanding reports from previous grants to the applicant.

### **Other participants (*medverkande*)**

Additional staff (maximum six) standing behind the application and intending to work on the proposed project at a Swedish research establishment may also sign the application. These persons must also have a personal account in Prisma and CV information from their personal profile in Prisma will be included in the application. Please note that lack of a personal account, CV or inaction from an intended participant can prevent registration of the application in Prisma. Thus, plan in good time with signing participants.

In addition to the above, note that you may have any number of additional persons in your project team, without having them sign the application. Collaborators working abroad may be part of the team, without signing the proposal.

### **Funding to other research establishments**

In case part of the requested funding is intended to be used by team members at another research establishment in Sweden, then at least one researcher from that organization must

sign the proposal in Prisma. The two involved research establishments must be prepared to arrange the transfer of such funding between them.

### **Gender aspects**

The fraction of female researchers using space-based platforms is still rather small in Sweden. SNSA therefore encourages the scientific community to contribute towards more women getting involved. Without waiving quality requirements, SNSA will consider gender as one of several boundary conditions when evaluating applications within open calls.

### **Information in the CV**

Specific rules for what information can be included in the applicant's CV are imbedded in the Prisma system for each individual call.

## **BUDGET**

Under this heading in the Prisma forms you need to summarize the costs sought for the project from SNSA. The costs should be given in Swedish kronor. Please distribute the costs among the table headings as follows:

- **Salaries** (see special section below for more details)
  - Salaries
  - Social fees (*lönekostnadspåslag*)
- **Running Costs**
  - Instruments and equipment
  - Expendables
  - Computer costs, computing costs
  - Publication costs
  - External consultancy
  - Depreciation costs
  - Premises
- **Expenses - Travel**
  - Transportation of equipment and travel to project meetings
  - Conference travel to present results
- **Total Budget**
  - All the costs previously indicated are added automatically
  - Manually add indirect costs (see special section below for more details)
  - "Other costs", not to be financed by SNSA (optional information in most calls)

All costs must be specified and justified in the project description, in the chapter "Cost specification".

## **Indirect costs**

Indirect costs must be computed using standard procedures of the administrating organisation (and the partner organisation, if applicable, without employing double overheads on the same direct costs). Please note that in the budget forms, only sought indirect costs should be included, not total indirect costs. If an organisation has a mandatory tabulation for computation of indirect costs (“full kostnadstäckning”), then please include it in the “Cost specification” chapter of the project description. However, those tables don’t free the applicants from the responsibility of specifying indirect costs in a correct way in the Prisma budget tables.

## **Salaries and social fees**

SNSA grants can be used by the administrating and participating organisations in Sweden for salaries and associated social fees for staff working on the project. The employment rules of the organisation apply. SNSA grants may also be used to hire external consultants with appropriate expertise for the research project.

In the budget of your application, you may include any type of staff costs essential to the needs of the proposed project, including secondment/”friköp”), Research Fellows, PostDocs, PhD students, Research Engineers, etc.

Clearly motivate each staff cost.

## **OTHER FUNDING**

Under the heading "Other funding" on the forms, if available, it is mandatory to include information on all awarded grants and submitted applications that overlap with or complement the current application.

For career applications and specifications to extend a career grant, it is also mandatory to include information on all awarded grants and submitted applications that include funding of the applicant.

## **AFTER SUBMISSION**

Applications are assessed by the SNSA Science Advisory Committee or a review panel, sometimes supplemented by external expert reviews and programmatic constraints by SNSA.



### **Additional information**

In case relevant information becomes available after the application deadline, applicants may inform SNSA (in English) to allow this new information to be taken into account. For example, information on new schedules for space missions or allocation of telescope time (please include proof) should be conveyed in this way. Please note that applicants are not allowed to use this avenue to improve their applications with information that should reasonably have been available at the submission deadline. Failure to inform SNSA with data of relevance to the assessment of the feasibility of the project may result in rejection of the proposal.

### **Decisions and feedback**

Most SNSA grant decisions are made in December. Grant tables are usually posted at <https://www.rymdstyrelsen.se/forskning/beviljade-bidrag/>. In order to receive timely information on grant decisions, please subscribe to the SNSA Newsletter for Researchers (see <https://www.rymdstyrelsen.se/om-rymdstyrelsen/nyhetsbrev/>). Information on the grant decision will also be distributed within the Prisma system, but usually somewhat later.

The principal applicants can expect feed-back on their applications through the Prisma system after the grant decision.

Receivers of grants must approve the terms and conditions (“godkännande av villkor”) in Prisma on time, in order to receive funding.

## **GRANTS**

### **Type and extent of support**

The research grants provide traditional research support, with funding at the disposal of a university entity or research institute (*medelsförvaltare*), in accordance with standard terms (*generella villkor*) of SNSA. The funding for a calendar year is normally provided as monthly instalments. Individual grants are normally limited to a maximum of 3-4 years, but SNSA can make longer-term commitments when appropriate.

### **Publication of results, data policy and open access**

SNSA adheres to the basic principle that results and data from public funded research must be made available on-line to other researchers and to the general public free of charge without unnecessary time delay. The objectives are to ensure that other scientists will be able to use data in the future for other projects and to bring more scientific value of investments as an evident part of the knowledge society. More information is provided in the standard grant terms.

## Reporting

Grant holders must report in Prisma in accordance with terms of the grant, which usually involves the following as a minimum:

- Financial Report (ekonomisk återrapportering), both yearly and at the end of the project.
- Scientific report (*Vetenskaplig återrapportering*) at the end of the project (grants related to agreed deliverables may require yearly reporting).

## STAY INFORMED

In order to receive timely information from SNSA on future calls and other relevant information, please register for our Newsletter for Researchers at:

<https://www.rymdstyrelsen.se/om-rymdstyrelsen/nyhetsbrev/>

## CONTACTS

In case of questions, please get in touch as follows:

- For technical questions about the **Prisma** application system, use contact in the menu at:
  - English: <https://primasupport.research.se/user-manual.html>
  - Swedish: <https://primasupport.research.se/>
- General questions about **SNSA research calls** for research:
  - [Vilgot.Claesson@snsa.se](mailto:Vilgot.Claesson@snsa.se)
  - [Kristine.Dannenberg@snsa.se](mailto:Kristine.Dannenberg@snsa.se)
  - [Per.Magnusson@snsa.se](mailto:Per.Magnusson@snsa.se)
  - [Kristell.Perot@snsa.se](mailto:Kristell.Perot@snsa.se)
- Questions on the **individual call**: See specific instructions for the call.