

SNIC:s riktlinjer för sökande (SNIC 2018/35)

SNIC Guideline for Applicants and Administrators

Established 2022-07-12

The SNIC applicant guide covers requirements, obligations, and information for Principal Investigators applying for SNIC resources. It is also aimed at SNIC personnel handling SNIC Rounds in the SNIC user and project repository, SUPR, or managing information about SNIC Rounds and SNIC resources.

This guideline builds upon the recommendations of the Swedish Research Council (*Vetenskapsrådet*).

This document is maintained and updated as deemed necessary by the SNIC director.

The time to read this document is about 25 minutes.

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1 Information about SNIC

Information concerning SNIC Rounds is made available via the SNIC website, <https://www.snic.se>. The SNIC website provides detailed information about SNIC resources, SNIC Rounds, and how to apply for them. It also contains information about the SNIC National Allocation Committee, SNAC. Information about SNIC is also made available via SNIC consortium member websites.

Forms for project proposals are made available via SUPR, <https://supr.snic.se/>. Additional information about SNIC resources, and SNIC Rounds, can also be found there.

2 Nomenclature and definitions

- Principal Investigator**
A Principal Investigator is denoted as *PI* or *applicant* below. A PI is an individual primarily responsible for the preparation, conduct, and administration of a research grant, cooperative agreement, training or public service project, contract, or other sponsored project in compliance with applicable laws and regulations and institutional policy governing the conduct of sponsored research.
- Co-Principal Investigator or Co-Investigator**
Co-PIs/Co-Is are key personnel having responsibilities similar to a PI on research projects. While the PI is ultimately responsible for conducting a research project, the Co-PI/Co-I is also obligated to ensure the project complies with applicable laws and regulations and institutional policy governing the conduct of sponsored research.
- Member**
A member of a project is a Co-Investigator by another name.
- Proxy**
The duties of the PI can be carried out on behalf of the responsible PI by a proxy.
- SNIC User**
All researchers using SNIC resources are *SNIC users*.
- SNAC and SNAC wg**
The *SNIC National Allocation Committee*, SNAC, is a body within SNIC that independently is responsible for the scientific evaluation of proposals for access to SNIC resources and the assignment of allocations for SNIC LARGE.
The *SNAC Working Group* is a group of technical experts assisting SNAC, responsible for the technical feasibility evaluation of proposals and assists in the administration of projects.
- SUPR**
SNIC User and Project Repository, an online application database.
- Project storage**
Project storage is storage capacity allocated for projects where data is in the custody of and administrated by a PI. Project storage is separate from the users' personal storage regarding bookkeeping, allocation, or similar.
- Scratch storage**

Scratch storage is ephemeral storage used during a compute job and then erased. That is not considered project storage.

- **Personal storage**
All users of SNIC compute resources have a small personal storage space, where the user can store configuration files, et cetera. Personal storage is not considered project storage.
- **Core Hour**
CPU-based compute resource allocations typically comprise core hours, i.e. the use of one CPU core during one hour. Core hours are abbreviated *ch*, or commonly *kch* for a thousand core hours.
- **GPU Hour**
GPU-based compute resource allocations comprise GPU hours, i.e. the use of one GPU during one hour. To make different types of GPUs commensurable from an allocation perspective, they are typically asserted a cost where the use of an inexpensive GPU may actually correspond to one GPU hour per allocated GPU hour while more capable GPUs may cost more than one allocation GPU hour per wall clock hour of usage.
- **GiB, TiB, and GiB/TiB Hour**
Storage resource allocations comprise an amount of storage expressed in Gibibytes or Tebibytes. LUMI uses a system of TB hours, similar to GPU hours above. More capable storage partitions may cost more than one allocation TB hour per wall clock hour of usage, while less capable storage may cost less.
- **Coins**
A billing unit for SSC allocations to be used towards compute time or storage.

3 SNIC Rounds

SNIC resources are made available via *SNIC Rounds*. The quantity of capacity made available via the SNIC Rounds is determined through dialogue between the SNIC Director and SNIC resource providers annually or in conjunction with the commissioning of new SNIC resources. SUPR provides information about the resources and their limits. Members of the SNIC consortium providing information about SNIC Rounds via their websites are obliged to ensure that it is up to date.

All rounds referred to in this document may not be available at all times. You may also find Rounds in SUPR that are not available to the general SNIC user, e.g. for resources dedicated to a certain e-infrastructure.

3.1 SNIC Small Compute/Storage, SENS Small, and SSC

These are annual SNIC Rounds through which resources are made available continuously in SUPR.

3.1.1 Allocation period

The allocation period is limited to one year.

3.1.2 Review

Proposals are subject to technical review performed by a SNAC wg representative. Review instructions are available via the SNIC Scientific and Technical review guide (SNIC 2018/34).

Reviews are taking place continually, typically once a week.

3.2 SNIC Medium Compute/Storage and SENS Medium

These are annual SNIC Rounds through which resources are made available continuously in SUPR.

The total permissible size of all Medium allocations granted to you amounts to 150% of the Medium resource limits. E.g., 80% of the maximum amount of a Medium allocation for one resource and 70% for another.

3.2.1 Allocation period

The allocation period is limited to one year.

3.2.2 Review

Proposals are subject to technical review by a SNAC wg representative. Review instructions are obtainable via the SNIC Scientific and Technical review guide (SNIC 2018/34).

Proposals may include several SNIC resources, located at more than one SNIC resource provider.

It is not allowed for SNIC users to simultaneously be allocated SNIC resources within the SNIC Rounds SNIC Medium Compute and SNIC Large Compute, or SNIC Medium Storage and SNIC Large Storage. Any existing Medium Compute allocations terminates for users receiving a Large Compute allocation, and likewise for Medium Storage/Large Storage.¹

The review process follows a monthly cycle, and proposals available to the reviewers by the 15th are given a decision during that month. The cut-off date for any addenda or corrigenda is the 20th. In conjunction with major holidays, the schedule may deviate.

3.3 SNIC Large Compute/Storage and SENS Large

SNIC resources are being made available biannually via these SNIC Rounds in SUPR. The allocation rounds are open for proposals for a limited time.

3.3.1 Allocation period

The allocation period is typically limited to one year, or less in specific cases².

3.3.2 Review

Proposals are subject to scientific and technical review. SNAC and external evaluators handle the scientific review, while SNAC wg handles the technical review. Review instructions are available via the SNIC Scientific and Technical review guide (SNIC 2018/34).

¹ In the rare case that a PI is leading a major research group in one scientific discipline and concurrently conducts other research in another, SNAC may allow an exception to this principle.

² Please refer to SNIC Guidelines for Scientific and Technical Review (SNIC 2018/34) for more information.

Proposals may include several SNIC resources located at more than one SNIC resource provider.

It is not allowed for users to simultaneously be allocated SNIC resources within the SNIC Rounds SNIC Medium Compute and SNIC Large Compute, or SNIC Medium Storage and SNIC Large Storage. Any existing Medium Compute allocations terminates for users receiving a Large Compute allocation, and likewise for Medium Storage/Large Storage.

After the allocations round is closed for proposals, the review process commences. The review guide defines that process.

3.4 LUMI Sweden

The Swedish share of LUMI is made available biannually via this SNIC Round in SUPR. The allocation rounds are open for proposals for a limited time.

These allocations use the LUMI project type *Regular Access*.

3.4.1 Allocation period

The allocation period is typically limited to one year, or less in specific cases.

3.4.2 Review

Proposals are subject to scientific and technical review. SNAC and external evaluators handle the scientific review, while SNAC wg handles the technical review. Review instructions are available via the SNIC Scientific and Technical review guide (SNIC 2018/34).

Users may simultaneously be allocated resources in this round and national SNIC resources within other SNIC rounds.

3.5 SNIC Dedicated User Support

SNIC offers dedicated user support to users of SNIC compute, cloud, and storage resources.

3.5.1 Allocation period

The scope of the support available can range from 16h up to several months.

3.5.2 Review

Allocations beyond 100h are subject to technical and scientific evaluation.

4 Ethical guidelines

The SNIC user is responsible for ensuring that research conducted at SNIC resources adheres to Swedish legislation, as demanded by the SNIC User Agreement (Dnr: SNIC 2018/25).

Ethical issues might have been raised by the research project. It is the responsibility of the PI to address these issues and to provide a justification for why the research should be carried out. Some research may only be perpetrated if it has passed an ethical review. Research involving humans needs a permit from the Swedish Ethical Review Authority to protect human beings—physically and mentally—and their integrity. Research involving animals needs permission from an animal ethics committee. Depending on the type of research, other permits may be necessary. When you apply for SNIC resources, you are responsible for ensuring that you have the permissions and approvals required for that research.

When you conduct research, you must ensure that the project follows good research practices at all times.

5 Eligible grant administrating organisations

The Swedish National Infrastructure for Computing, SNIC, is a national research infrastructure that provides large-scale, high-performance computing resources, storage capacity, and national user-support for researchers affiliated with Swedish Higher Educational Institutions, HEI:s. Universities, university colleges, and other Swedish authorities with research assignments are part of the HEI concept.

Other public organisations may also be eligible, e.g. by governmental decision. Some basic requirements for organisations are that they must:

- Be a legal entity with a Swedish corporate registration number³
- Perform research, which means carrying out documented research activities and fulfilling the general conditions for research grants
- Guarantee academic freedom within the assignment
- Ensure that the results are openly accessible to other researchers, companies, and the general public
- Not conduct any economic activity.

To apply for SNIC resources, researchers affiliated with organisations approved by the Swedish Research Council, and marked as such in *Prisma*⁴, are eligible.

6 Commercial interests

SNIC users may not have known commercial connections conflicting with the required objectivity, independence, and openness. If any commercial relations, in lieu of SNIC terms and conditions, are at hand, the user, or the grant administrator, should inform SNIC immediately.

SNIC users are liable to declare in writing commercial interests or connections that may influence project proposals or approved projects in entirety or part to enable review and assessment of the compatibility of those with the requirements regarding objectivity, independence, and openness. The SNIC director performs this type of review and assessment.

7 Public access

Proposals for SNIC projects and approved SNIC projects are public documents. SNIC users intending to apply for patents should note that SNIC proposals cannot be held confidential. Information about approved projects is made available via the SNIC website. Sensitive personal information is not published. Research results obtained by using SNIC resources should be made publicly available. SNIC users are liable for following SNIC demands on objectivity, independence, and openness, as specified above.

³ There might be rare exceptions due to governing documents or agreements.

⁴ The application and case management system provided by the Swedish Research Council.

8 Qualification requirements

Generally, the applicant must fulfil the following qualification requirements to be eligible for allocations within each respective SNIC Round.

In line with the practice used by the Swedish Research Council, applicants from artistic fields need only possess a high level of scientific expertise and must not necessarily have obtained a doctorate to qualify.

8.1 Large Compute/Storage, SENS Large

The applicant must be at least on the level of an assistant professor at an eligible institution to qualify for allocation. Additionally, the applicant must have experience using resources at least on the level of SNIC Medium or comparable resources abroad.

8.2 Medium Compute/Storage and SENS Medium

The applicant must be at least on the level of an assistant professor at an eligible institution to qualify for allocation.

8.3 Small Compute/Storage, SENS Small, and SSC

The applicant must be at least on the level of a doctoral student at an eligible institution to qualify for allocation.

8.4 LUMI Sweden

The applicant must be at least on the level of an assistant professor at an eligible institution to qualify for allocation. Additionally, the applicant must have experience using SNIC resources at least at the LARGE level, PRACE, or similar.

9 Resources

SNIC makes several compute and storage resources available aimed at different usage scenarios.

9.1 Compute resources

Please refer to the SNIC homepage, <https://snic.se/>, for further details.

9.1.1 Alvis

Alvis is a resource intended for research in and research using Artificial Intelligence and Machine Learning methods. The system is based on NVIDIA GPUs and accompanying high-performance storage. Several different types of nodes comprise Alvis, aimed at differing use cases.

9.1.2 Dardel

Dardel is a general computational resource based on AMD EPYC processors. It has an accompanying Lustre storage system. In 2022, there will also be an accelerated partition based on AMD's upcoming Instinct GPU.

9.1.3 Kebnekaise

Kebnekaise is a general computational resource based on various Intel CPUs and a small number of NVIDIA GPUs. It has an accompanying Lustre file system. For jobs that require a large amount of memory, 20 nodes have 3TB of memory each.

9.1.4 LUMI

The Swedish part of LUMI is a general computational resource aimed at relatively larger projects in a Swedish context. LUMI and Dardel are of the same model.

9.1.5 Rackham

Rackham is a general computational resource focused on Life Science.

9.1.6 SNIC Science Cloud, SSC

SNIC Science Cloud is a large-scale, geographically distributed OpenStack-based cloud Infrastructure as a Service (IaaS), intended for Swedish academic research.

9.1.7 SNIC SENS (Bianca)

Bianca is a resource dedicated to research on sensitive data.

9.1.8 Tetralith

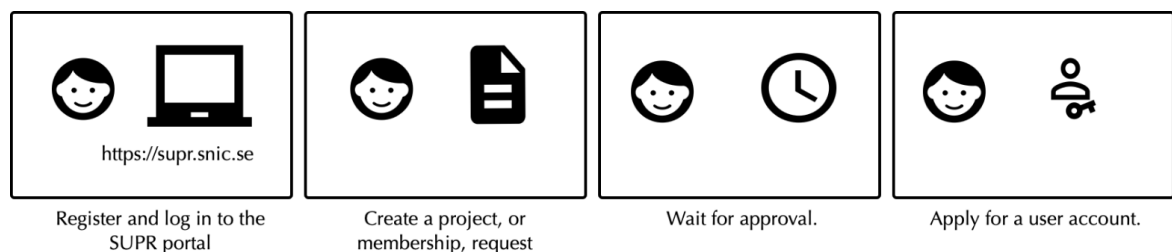
Tetralith is a general computational resource based on Intel Xeon processors, and it has an accompanying Spectrum Scale file system. Of the nodes, 170 have NVIDIA T4 GPUs.

9.2 Storage resources

Please refer to the SNIC homepage, <https://snic.se/>, for further details.

10 How to apply for access

SNIC uses an online application database, SUPR - SNIC User and Project Repository, to keep track of applications for compute time, storage capacity, or dedicated user support. The proposal should be filled out electronically via a form at <https://supr.snic.se/>.




An allocation comprises CPU hours (processor-core hours) per calendar month or project period, GPU hours per calendar month or project period, Tebabyte (TiB) of storage, TB hours, coins (a kind of billing unit), or hours of dedicated user support.

Due to differences between CPUs, one hour of computation may achieve more or less depending on the resource used. However, the differences are relatively minor and, from an allocation point of view, usually disregarded from.

The situation for GPUs is different, where the capacity span is significant. To reflect this GPU hours for dissimilar GPU models within a resource are charged as multiples of the hourly rate. The rate reflects the approximate cost ratio.

For LUMI, Flash storage, LUMI-F, is accounted at ten times the TB-hour rate, i.e. use of 1TB of Flash storage for an hour costs 10TB hours. Lustre storage, LUMI-P, is accounted for at the TB-hour rate. CEPH storage, LUMI-C, is accounted for at ½ the TB-hour rate, i.e. use of 1TB of CEPH storage for one hour costs 0,5TB hours. You may combine the three types of storage at your own discretion, as long as you stay within the amount granted to your project and do not exceed the quota for any storage type at any time. To make the costs of different LUMI partitions commensurable, 1TB-hour is assigned a cost of 1, one core-hour 2, and one GPU-hour 238.

 *When applying for LUMI storage, please consider usage fluctuations. If your peak usage is, e.g., 1TB, it is unlikely that you will need 8 760 TB-hours in a year, corresponding to 1TB on average throughout the year.*

10.1 Apply for a project allocation on one or more SNIC resources


It is paramount that your application includes intended usage and the characteristics of the storage or compute resources and application programmes you intend to use. In case of doubt, consult SNIC Support or the SNIC Office for assistance regarding the choice of resources.


SNAC evaluates your applications.


The applicant should provide the mandatory information below. Additionally, the applicant may provide non-mandatory information using the proposal form.

For storage projects, the SNIC Policy for Project Storage (SNIC 2018/39) applies, as does the Guidelines for Deletion of Project Storage within SNIC (Dnr SNIC 2018/33).

At the discretion of the resource owner, a default project storage may be provisioned for compute allocations as a convenience. Please check the call text for details.

 *First-time users should opt for the first application option in SUPR, alternative 1, filling in the form from scratch. If you re-apply for SNIC resources, there is a second option, alternative 2, for your convenience, allowing you to clone an existing proposal to form the basis for the application.*

 *For recurring proposals, do not forget the activity report below.*

 *Requirements on a grey background are common to all rounds. Blue is specific for storage, salmon for AI, olive for SSC, rose for LUMI Sweden, and lavender for computing.*

10.1.1 Principal investigator information

The PI shall provide the mandatory information regarding the following items.

- a) Name
- b) E-mail
- c) Position
- d) Gender
- e) Department

- f) Organisation

10.1.2 Basic information

The applicant is required to submit information as stated at <https://supr.snic.se/>.

- a) **Project title**
Title of the proposed project.
- b) **Abstract**
A project abstract in English (max 500 words).

10.1.3 Resource usage

- a) Specify and describe the programmes to be used. Unless it is centre provided, specify how it is parallelised and how well and to what extent it scales for the problem sizes to be studied.

! *There is no formal requirement for the length of this description. For an established process using a well-known programme, less than 100 words may suffice, while it is typical to use a few hundred words otherwise. The aim is to convincingly describe how the research in your application can make efficient use of the requested resources.*

- b) Motivate answers to the system-specific questions asked per resource. That is, motivate your estimate of the typical and the maximal number of cores per job, the memory requirements, per core, per node, or aggregated as adequate for the particular resource and parallelisation scheme. Also, specify the amount and type of storage requested, i.e. fast ephemeral storage during job execution, short-term storage, and long-term/archival storage. Also, describe the intended data flow to use the different types of storage efficiently.
- c) Other specific programme and hardware requirements.

10.1.4 Affiliation

- a) Name of university, institute, or similar.

10.1.5 Classification

- a) Classify the project according to VR classification codes.

10.2 Large Compute/Storage and SENS Large

The following information is required, in addition to the information in common for all rounds:

- a) CV of the Principal Investigator, PI. **Maximum 2 pages.**
- b) Publication list of the principal investigator.

10.2.1 Specifically for Large Compute/SENS Large rounds, the following information must be provided by the applicant:

- a) SNIC Project Description. **Maximum of 5 pages.**
 - i. **Overview (½ page)**
Provide an abstract of the proposed research and computations.
 - ii. **Resource usage, codes, and performance (1½ pages)**
Describe how your applications can make efficient use of the requested

resources. Give numbers or indicate measures of scalability and performance (e.g. a graph of execution time versus the number of cores). Include usage records if you already have been granted time for this or a similar project in previous allocation rounds. If the requested time differs significantly from earlier allocations or used time, please explain the difference. Also, motivate if specific resources (such as large memory, GPUs, etc.) are requested.

iii. **Scientific challenges (2 pages)**

Describe how the proposed project relates to the state-of-the-art and has the potential to increase the knowledge within its scientific area and how it uses adequate computational methods to address scientific questions. Include a justification for the need for large-scale data/HPC.

iv. **Research group and management (1/2 page)**

Describe the whole research group that will work on the proposed project: name of members, HPC experience, position, and roles. Indicate how you will manage the allocated time within the group.

v. **References (1/2 page)**

Include a list of references for the project description.

Additionally, for applications including the SNIC resource Alvis, the following information must be provided by the applicant regarding that part:

- a) Describe the AI/ML tools and methods to be used.
- b) Motivate the resources requested.
- c) A list of data sets to be used, if any, should be included together with a description of how to use data during the project and a plan for how data produced during the project will be moved from the resource afterwards.

10.2.2 Specifically for Large Storage rounds, the following information must be provided by the applicant.

a) SNIC Project Description. **Maximum of 5 pages.**

i. **Overview (1/2 page)**

Provide an abstract of the proposed research, data origin, and planned analysis. If relevant, mention what compute projects are generating the data (SNIC projects, PRACE, etcetera).

ii. **Data Management Plan (1 1/2 pages)**

Describe how your applications can make efficient use of the requested resources. Motivate and provide concrete numbers related to size, generation rate, number of files, et cetera. Describe the data generation (codes, data type, etcetera) and transfers into and out of the system. Describe how data will be managed on the system, e.g., by using scratch or permanent storage. Describe how your project can efficiently balance the use of high-performance and lower-cost storage and how you will arrange your data flow to accommodate that.

Include usage records only if this project is not a direct continuation of a previous one or if you have not been granted time for a similar project in former allocation rounds.

Requests for specific resources (e.g., at a particular centre) should be motivated. If applicable, describe how data will be made publicly available following the end of the project.

iii. **Scientific challenges (2 pages)**

Describe how the proposed project relates to the state-of-the-art and how it has the potential to increase the knowledge within its scientific area, and how it uses adequate computational methods to address scientific questions. Include a justification for the need for large-scale data/HPC.

! *If this is a companion proposal to a SNIC Large Compute proposal applied for at the same time, just write See compute proposal.*

iv. **Research group and management (½ page)**

Describe the whole research group that will work in the proposed project: name of members, HPC experience, position, and roles. Indicate how you will manage the allocated time within the group.

! *If this is a companion proposal to a SNIC Large Compute proposal applied for at the same time, just write See compute proposal.*

v. **References (½ page)**

Include a list of references for the project description.

10.3 Medium Compute/Storage and SENS Medium

The following information is required, in addition to what is prevalent for all rounds:

10.3.1 Specifically for SNIC Medium Compute rounds

For applications including the SNIC resource Alvis, the following information must be provided by the applicant regarding that part:

- a) A description of the AI/ML tools and methods to be used.
- b) A motivation for the resources requested.
- c) A list of data sets to be used, if any, a description of how data will be used during the project, and a plan for how data produced during the project will be moved from the resource afterwards.

10.3.2 Specifically for SNIC Medium Storage rounds

- a) Technical description of data to be stored, including:
 - i. Estimated size (GiB).
 - ii. Estimated number of files (number).
 - iii. Time span (Months)
- b) Data management plan
 - i. A description of the type of data to be handled
 - ii. A description of data flows, including processing and tools.
 - iii. A description of how data will be taken care of at the end of the project when it may no longer occupy storage space on the storage resource applied for.

10.4 Small Compute/Storage, SENS Small, and SSC

The following information is required, in addition to the information in common for all rounds:

10.4.1 Specifically for SNIC Small Compute rounds

For applications including the SNIC resource Alvis, the following information must be provided by the applicant regarding that part:

- a) Describe the AI/ML tools and methods that will be used.
- b) Motivate the resources requested.
- c) A list of data sets to be used, if any, should be included together with a description of how data will be used during the project and a plan for how data produced during the project will be moved from the resource afterwards.

10.4.2 Specifically for SNIC Small Storage rounds

- a) Technical description of data to be stored, including:
 - i. Estimated size (GiB).
 - ii. Estimated number of files (number).
 - iii. Time span (Months)
- b) Data management plan
 - i. A description of the type of data to be handled
 - ii. A description of data flows, including processing and tools.
 - iii. A description of how data will be taken care of at the end of the project when it may no longer occupy storage space on the storage resource applied for.

10.5 LUMI Sweden

The following information is required, in addition to the information common for all rounds:

- a) CV of the Principal Investigator, PI. **Maximum of 2 pages.**
- b) A publication list of the principal investigator.
- c) A SNIC Project Description. **Maximum of 5 pages.**
As for *SNIC Large Compute* above.
If you apply for storage resources too, the Project Description should be amended by a *Data Management Plan (1½ pages)*, as for *SNIC Large storage* above.

Please notice that LUMI handles the allocation of GPU hours and storage differently from SNIC resources.

10.6 SNIC Dedicated User Support

Users with ongoing SNIC projects may apply for this support.

Submit your request for dedicated user support to application-support@snic.se.

Please provide the following information with your application:

- a) SNIC Project (SNIC YYYY/X-ZZZZ):
- b) Contact person
- c) Scientific domain
- d) Technical domain expertise needed, for example:

- i. programming or scripting language
 - ii. specific code or programs
 - iii. other relevant skillsets, e.g. cloud services, container-based deployment
- e) Description of task
 - i. Background
 - ii. What is/are the hoped-for concrete output(s)
 - iii. Why this is important for the group's scientific output using SNIC resources
 - iv. What are the expected benefits for the scientific community and users of SNIC resources at large?
 - v. Why cannot the group do this themselves, e.g. what skill, experience, or expertise is missing?
- f) What is your expectation of timeframe for the support?
 - i. Start (date)
 - ii. End (date)
 - iii. The estimated total amount of hours needed.

11 Decision

The decision regarding the application should be communicated with the PI and documented in SUPR.

For storage rounds SNAC may prematurely terminate, extend, or change the allocation within the limits of the round. For Small and Medium rounds, SNAC wg administrates any such changes after consultation with the PI. Such decisions shall be communicated with the PI and documented in SUPR.

SNIC reserves the right to grant a project allocation that differs from the request in the application. Requested allocations may be reduced in size or assigned to another resource. They may also be adjusted if they appear unreasonably large or the allocation size is not sufficiently motivated. A request may be merged with another request or existing allocation if the research activities (or groups) are the same or very similar.

Decisions by SNAC are final and cannot be appealed, e.g. to the SNIC Director.

12 An application that attains a positive evaluation receives a project allocation

Once an application is approved, a project will be established on the resources on which allocations are granted. The applicant will be responsible (PI) for this project and must oversee the usage of the allocated resources. The PI must specify and approve which users are allowed to use the project allocation. Those users are referred to as members or co-investigators. The PI must ensure that the allocation(s) is (are) used solely for the activities specified in the application approved. The project allocation is shared by all users connected to the project.

The use of SNIC resources is subject to the SNIC User Agreement (SNIC 2018/25). For certain resources, additional terms and conditions might apply. At the time of writing, this includes the Chalmers University of Technology, KTH Royal Institute of Technology, and LUMI.

The PI is kindly asked to inform the allocation body about affiliation changes.

12.1 Applying for an account on the resource(s) you are going to use

Once you know what allocation you will belong to, you are ready to apply for an account. The entire account request happens within the SUPR Portal. Follow the instructions below:

1. Sign up or log in to SUPR, <https://supr.snic.se>
2. The following personal information must be entered in SUPR for an account to be created:
 - a. Name
 - b. E-mail
 - c. Citizenship
 - d. Preferably Work Address
 - i. Postal address
 - ii. Postal code
 - iii. City
 - iv. Country
3. Become a member/PI of an active project.
4. Go to *Accounts* and select *Request an account at* [the location of your resource]
If that option is not available for the account at the location of your resource, you have to request membership for a project there.
 - a. Fill in one or several preferred usernames
 - b. Fill in Swedish personal number or date of birth
 - c. Select *Request account*
5. Information regarding account creation will be sent to the e-mail address provided.
6. Account information regarding username and password will be sent to you by paper-based mail.

Changes in SUPR are automatically applied to resources overnight.

12.2 LUMI User Registration

Please refer to the LUMI User Guide for more information.

13 When your project ends

13.1 Reporting back to SNIC

The SNIC financiers require reporting on the use of SNIC resources and the output of granted SNIC projects. Thus, SNIC collects information from SNIC users regarding the items detailed below. SNIC users must, when called upon by SNIC, provide the information as required by SNIC, which contributes to the following reporting:

- a) Number of unique users who are academic researchers and others respectively.
- b) Requests for resources, compute as well as storage reported separately
 - i. Number of core/GPU hours, TB or TB hours, or coins.
 - ii. How does the number of requests and unique users changes per annum.
 - iii. Division of requests and unique users across different scientific disciplines (using three-digit SCB⁵ code).

⁵ Statistics Sweden

- iv. Division of requests and unique users across different HEI:s and grant administrators.
 - v. Fluctuations in the number of Principal Investigators being granted *SNIC Large Compute* allocations.
- c) Resources allocated.
- i. Amount of allocated core hours, TB, or TB-hours per annum.
 - ii. Change of allocated core hours, TB, or TB-hours year over year.
 - iii. Division of allocated core hours, TB, or TB-hours per scientific discipline (using three-digit SCB code).
 - iv. Change of allocated core hours, TB, or TB-hours across scientific disciplines (using three-digit SCB codes).
 - v. Division of allocated core hours, TB, or TB-hours across different HEI:s and grant administrators.
 - vi. Change of allocated core hours, TB, or TB-hours across different HEI:s and grant administrators.
- d) Number of female and male users, respectively, per HEI and primary classification of scientific discipline, and how these numbers change over the years.
- e) List of scientific publications (including theses and exams) and patents, based upon the use of SNIC resources.
- f) Approved grants (nationally and internationally) based upon the use of SNIC resources.

13.2 Activity report

Please note that providing an activity report is a mandatory requirement for all rounds. Write the activity report in a **maximum of 8 A4 pages**, set in 11pt or larger with a line spacing of at least 1.15 or similar. The disposition should follow the major topics listed here.

💡 *If you are applying for computing and storage at once, you may upload the same activity report for both proposals.*

💡 *The activity report does not necessarily have to use the maximum number of pages allowed, and, particularly for small allocations, it is expected to be significantly shorter.*

- a) **Summary**
The report must include an account of the major scientific achievements emanating from the use of the allocated SNIC resources, or comparable resources outside of Sweden,⁶ with the project description. If this is your first application for SNIC resources, but you have previously been using comparable resources abroad, please also provide allocation and usage statistics of those resources in the activity report.
- b) **Publication list**
The activity report must include a list of publications from the last two years of all publications that acknowledge the use of SNIC resources. You may encompass forthcoming or in-press publications.

⚠️ *Please note that publications that do not acknowledge the use of SNIC resources shall not be included in the activity report.*

⁶ Unlike the publications list, the period is not limited here.

- c) **Academic achievements**
The activity report must include achievements such as theses defended and graduate degrees completed.
- d) **E-infrastructure-related developments**
The activity report must include any developments related to programming, code optimisation, visualisation, data optimisation et cetera.
- e) **Grants and patents**
The activity report must include granted financial support or patents.

13.3 Storage projects

When a storage project ends, it no longer has the right to continue using SNIC storage resources.

The PI is informed, and the project storage area will be made less and less usable for 90 days, after which deletion may commence. To make room for new projects, we kindly ask you to remove your data as soon as possible.

This is regulated by the *Riktlinjer för radering av projektlagring inom SNIC* (SNIC 2018/33).

14 Acknowledgement of the use of SNIC resources

For research facilitated by SNIC resources, researchers must acknowledge the use of SNIC resources as determined by SNIC. During the review, neglect to follow SNIC guidelines regarding the acknowledgement of the use of SNIC resources should be taken into account.

SNIC should be acknowledged as follows:

The computations/ data handling/ [SIMILAR] were/was enabled by resources provided by the Swedish National Infrastructure for Computing (SNIC), partially funded by the Swedish Research Council through grant agreement no. 2018-05973.

If applicable, also add an acknowledgement for application support:

We thank [NAME] at SNIC for [his/her] assistance with [describe tasks such as porting, optimisation, etcetera, or more generally technical and implementation aspects], which was made possible through application support provided by SNIC.