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SNIC

A new beginning





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SNIC

Swedish national infrastructure for large scale computing and storage

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SNIC

Swedish National Infrastructure for Computing

SNIC is responsible for supporting the best Swedish research with large-scale resources for computing and storage.





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Swedish National Infrastructure for Computing

SNIC provides the e-infrastructure for your e-science.

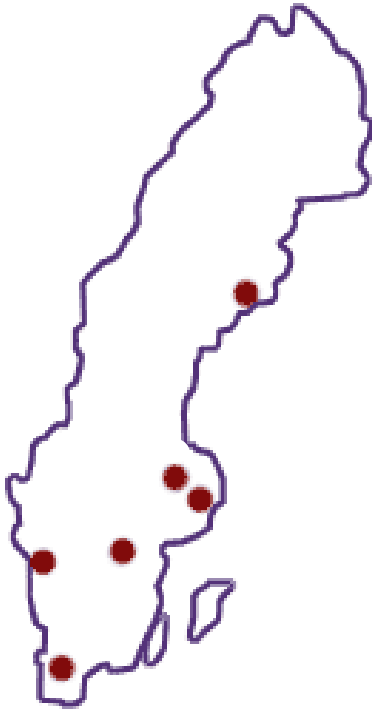




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Outline

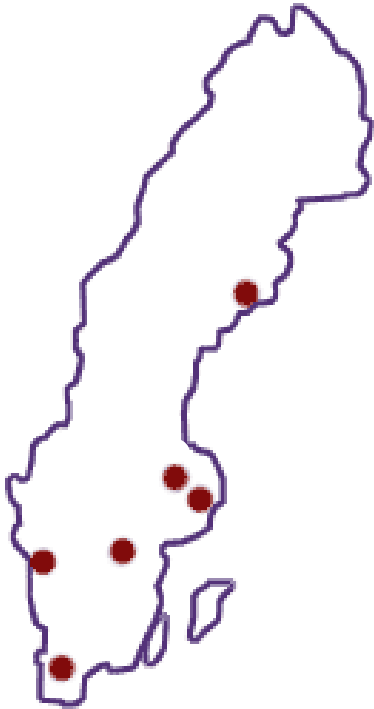
- Mission and responsibilities
- Resources and collaborations
- SNIC after 2017



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The mission of SNIC is to

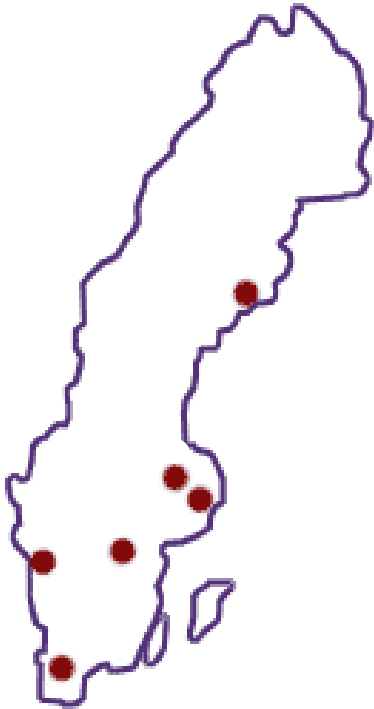
- provide a balanced and cost-efficient set of resources and user support for large scale computation and data storage
- meet the needs of researchers in Swedish academia from all scientific disciplines
- make resources available through open application procedures such that the best Swedish research is supported



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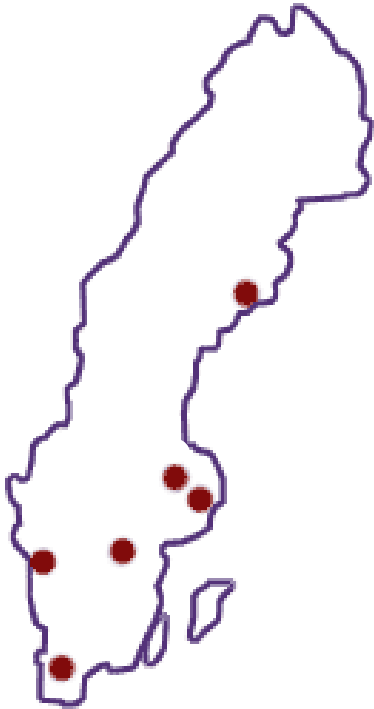
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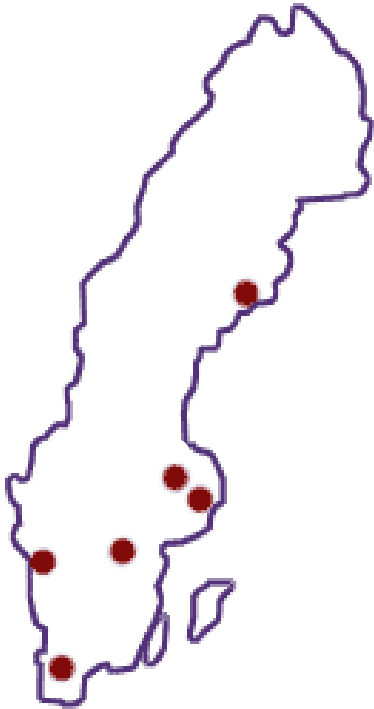
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- SNIC is funded by the Swedish Research Council (Vetenskapsrådet, VR) and six partner Universities
- It is the second largest national infrastructure (after Max IV)
- VR funds with 120 MSEK/year
- Partner universities co-funds with ca 50 MSEK/year
- Uppsala University is host for SNIC since 2012
- The SNIC-office consists of a Director, three coordinators and a financial administrator





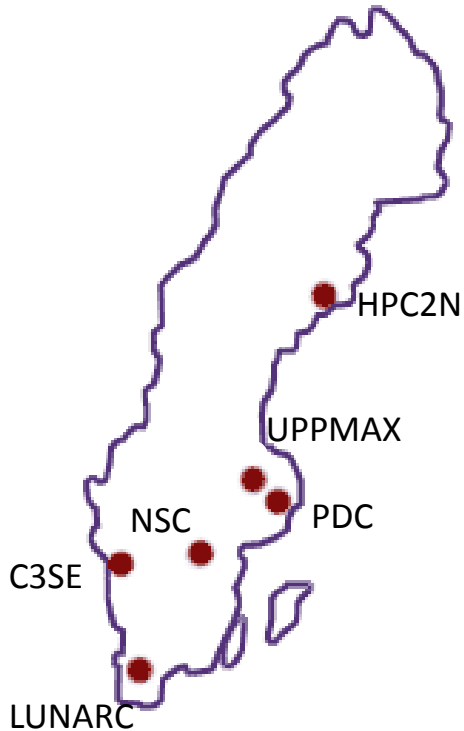
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SNIC projects and activities are carried out in collaboration with the six SNIC centra

- HPC2N (Umeå)
- UPPMAX (Uppsala)
- PDC (Stockholm)
- NSC (Linköping)
- C3SE (Göteborg)
- LUNARC (Lund)





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SNIC organisation

Common services

Backup, user support, project storage, IT-security, statistics, resource allocation , ...

SNIC Office
Uppsala

International collaborations

PRACE, EUDAT, NeIC,...

Research infrastructures

Max IV, SciLifeLab, Onsala



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Center

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PDC
KTH

NSC
Linköping

C3SE
Chalmers

LUNARC
Lund

Systems

Kebnekaise
11 900
kch/m

Tintin
1 583
kch/m

Beskow
18 700
kch/m

Triolith
17 510
kch/m

Hebbe
2 350
kch/m

Aurora
2 592
kch/m

New system
Jan 2017

New system
Nov 2017



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Resources

- SNIC funds e-infrastructure projects to ensure an efficient use of the computer resources: project handling portal, user support, application experts, IT-security, ...
- A compute and storage resource for handling of sensitive data (SNIC-Sens) is currently being set up
- SNIC provides short to medium long storage for active SNIC projects (Swestore)



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SNIC funding after 2017



SNIC funding after 2017

- The current funding for SNIC ends in December 2017
- VR has decided that SNIC should apply in special order
- The application procedure is led by Uppsala University together with URFI (Universitetens Råd för Forskningens Infrastruktur) with representatives from the largest Swedish Universities
- There should be a consortium of at least three universities, co-funding SNIC with at least 50 % of the total budget
- VR will co-fund with 50 % but not more than today (ca 120 Mkr)



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SNIC funding after 2017

- The application should contain an strategic plan and a budget for 2018 – 2022
- It should be based on the users need and the scientific quality of their research such that the best Swedish research is supported
- SNIC should be able to meet new user patterns and needs
- SNIC should have a national focus



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SNIC application Timeline

Needs of
Swedish research
Sep 15 2016

Focus and scope
Prioritization
Co-funding
Nov 15 2016

Organisation
Budget
Implementation
March 15 2017

Q3 2016

Q4 2016

Q1 2017

Q2 2017

Q3 2017

Q4 2017

Hearing
Oct 25 2016

RFI meeting
Dec 2016

International
review
Sep 2017

Decision
Nov 2017



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The future SNIC

- The scope and objective of the future SNIC will be discussed during October and November
- There will be a VR-hearing on October 25 in Lund, in connection with the SNIC User Forum
www.lunarc.lu.se/snic-user-forum-2016/
- It is important to have a close dialogue with the e-science community in this process



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How should SNIC best provide the e-infrastructure you need for your e-science?

