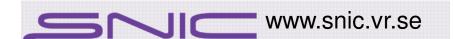


Welcome from the Local Organizers

Erwin Laure Director PDC-HPC





PDC & UPPMAX





- Two of the six HPC centers within the Swedish National Infrastructure for Computing (SNIC)
- PDC founded in 1990, Uppmax in 2003



UPPMAX latest procurements

Compute clusters



Kalkyl, Intel Xeon E5520, 2784 cores, IB,20 Tflops

Delivered in October 2009

SweGrid: Grad, Intel E5430, 512 cores
 Delivered in 2008

Data storage

Panasas parallel storage system, 660 TB
 Delivered in August 2009







Ekman

1268 AMD Shanghai nodes (10,144 cores), full bisection IB, 90 TF

Ferlin

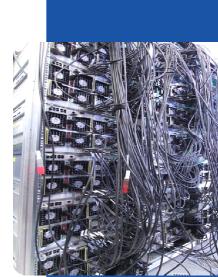
- 672 Intel Harpertown nodes (5,376 cores), Ethernet, 58 TF

SweGrid

 93 Intel Harpertown nodes (744 cores), Ethernet, 8 TF

Povel

- Prace prototype
- 180 AMD Istanbul nodes (4,320 cores), full bisection IB, 36 TF
- Cray XT6m (as of 07/10)
 - 464 AMD Magny Cours nodes (11,136 cores),
 SeaStar2, 93 TF
- Storage
 - Lustre, AFS, and IBM Tape system (3PB)



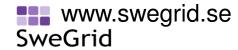
Major Projects





















Windows HPC Server 2008







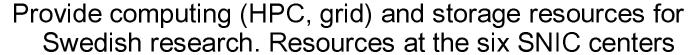




SNIC







Coordinate investments and competence

Allocate resources to users (SNAC committee)

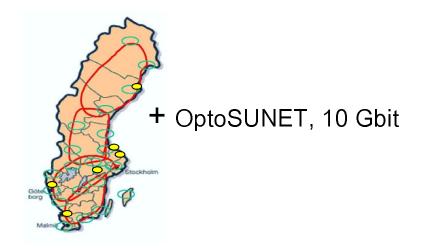
Fund and coordinate development projects

Be the national point of contact (NGI, ...) for large-scale international collaborations



SNIC 2010

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





PDC Center for High Performance Computing

- About 400 user groups (1-50 researchers each)
- SNIC budget 2010: 98 MSEK (10 MEUR)
 - Coordinates additional funding (LHCK, Foundations, ...)
- Hardware:
 - A few large-scale computing systems
 - Foundation-level computer systems and storage at all centers
 - SweGrid initiated 2003
 - SweStore initiated 2009

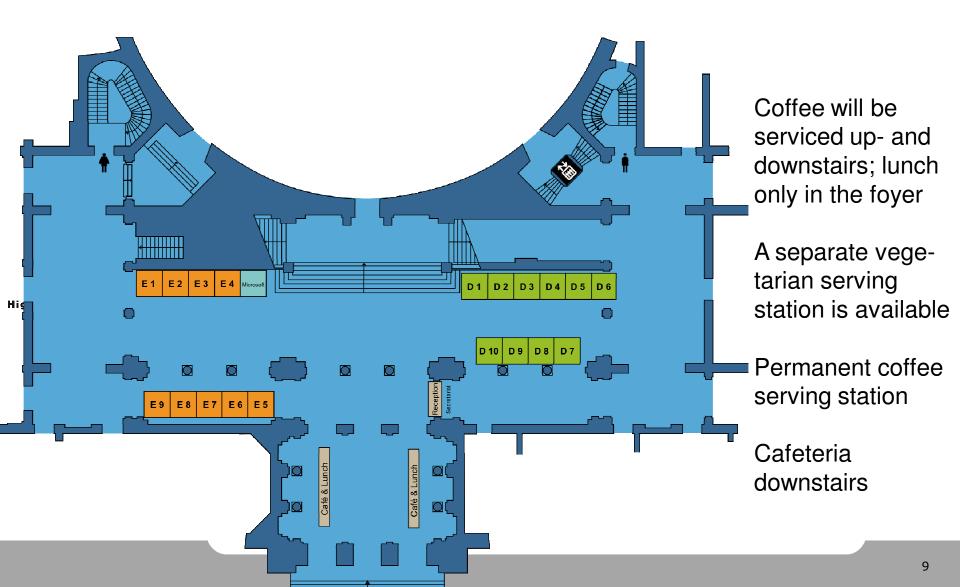
SNIC 2009, - 7



Logistic Information

PDC Center for High Performance Computing

Lunch and Coffee Breaks



Wireless





PDC Center for High Performance Computing

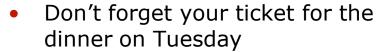
- If not possible use the login information contained in your registration pack
 - SSID: UpUnet-S
 - Login page: https://netlogon.student.uu.se
 - Use user group "Guest Identity"

Receptions and Dinner

Drink vouchers included in your registration pack

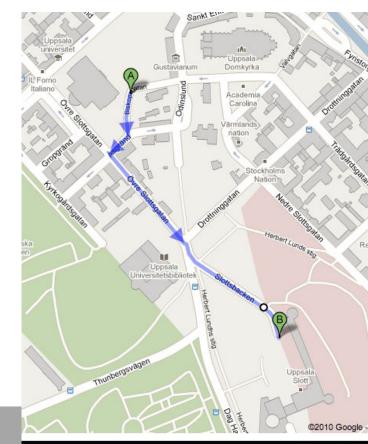
Additional drinks available using the cloud model (pay-per-

use)



- Dinner place is 10 minutes walk from University building
- No organized transport
 - If you need transport, please contact the registration desk





Other Information



High Performance Computing

- Please wear your badge all the time
- Building is open to other visitors as well
 - Don't leave things unattended
- Smoking is not allowed inside the building
- Restrooms are downstairs
- In case of fire meet outside the big stairs
- Best demo/poster ballot box at reception
- Book of abstract available at http://indicoprev.cern.ch/results/IndicoDr8H-1.zip

And finally (not that you will have time now but maybe after the User Forum ...)

- Stroll around Uppsala
- Visit the Linnaeus garden

 Visit the Cathedral and the anatomic theatre in the Gustavianum (down across the park in front of the cathedral)





Thanks to our Sponsors and Supporters





Reception support



Gala Dinner



