

PGC and Snellius

Snellius

- PGC data is stored on the Dutch national supercomputer, Snellius
- Snellius is hosted by SurfSara; They are responsible for management of the cluster and also provide a helpdesk (<https://servicedesk.surf.nl/wiki/display/WIKI/SURF+User+Knowledge+Base>)
- Usage is free for PGC members who are appropriately using Snellius for PGC purposes, the PGC budget does not cover costs if a PGC member uses Snellius for non-PGC purposes
- The PGC follows a fair share policy: we are treated as a group: so if one user does heavy processing, the whole group will go down in priority, there is no single user priority system (i.e., it is a social community)
- Data obtained via PGC is **not allowed to be removed** from the Snellius cluster



Analysts are responsible for efficiently using the cluster!!!

- The PGC can use the whole cluster, but it MUST be used efficiently
 - Computing time is calculated per node (of 16 cores), not per actual processor time!
 - The system is set up that a job has exclusive access to the nodes. That means that you will be charged for all cores in the nodes that you reserved, even if your application just uses a single core.
 - You can check your account info and budget using the commands `accinfo` and `accuse`
- SurfSara provides an excellent helpdesk, contact them via helpdesk@surfsara.nl for all questions regarding the SnelliusServer

Prior to beginning your work on Snellius please review the following section of the SurfSara website which details how to run efficient jobs:

<https://servicedesk.surf.nl/wiki/display/WIKI/How+to+run+efficient+jobs>