

## PGC and Lisa

### LISA: The Genetic Cluster Computer

- PGC data is stored on the Dutch LISA/Genetic Cluster Computer (GCC)
- The LISA cluster, is hosted by SurfSara; They are responsible for management of the cluster and also provide a helpdesk (<https://surfsara.nl/systems/lisa>)
- Usage is free for PGC members who are appropriately using LISA for PGC purposes, the PGC budget does not cover costs if a PGC member uses LISA 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 LISA cluster



Analysts are responsible for efficiently using the cluster!!!

- VU owns LISA with 2 other partners. 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](mailto:helpdesk@surfsara.nl) for all questions regarding the Lisa Server

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

<https://userinfo.surfsara.nl/systems/lisa/user-guide/creating-and-running-jobs#efficient>