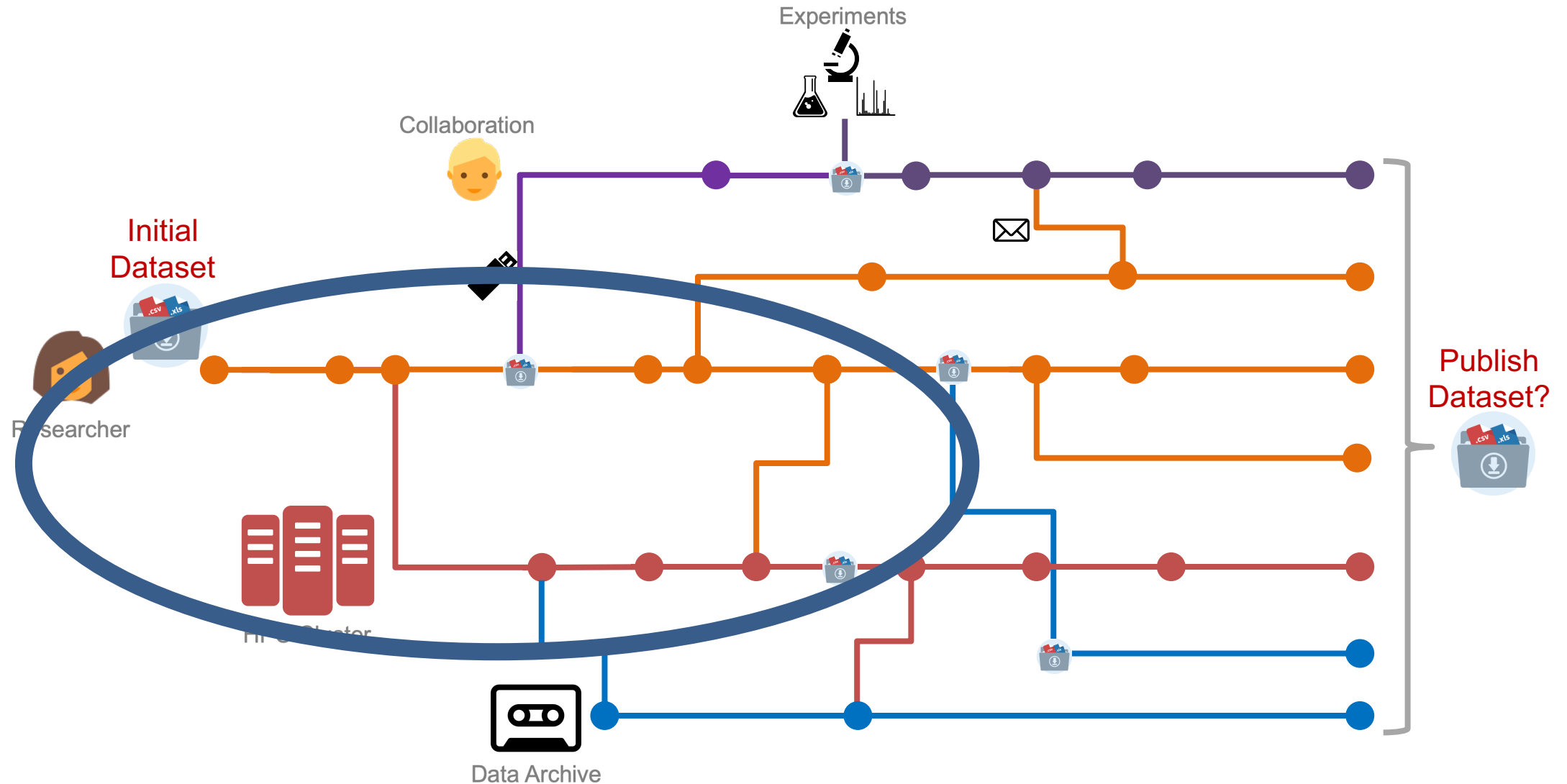
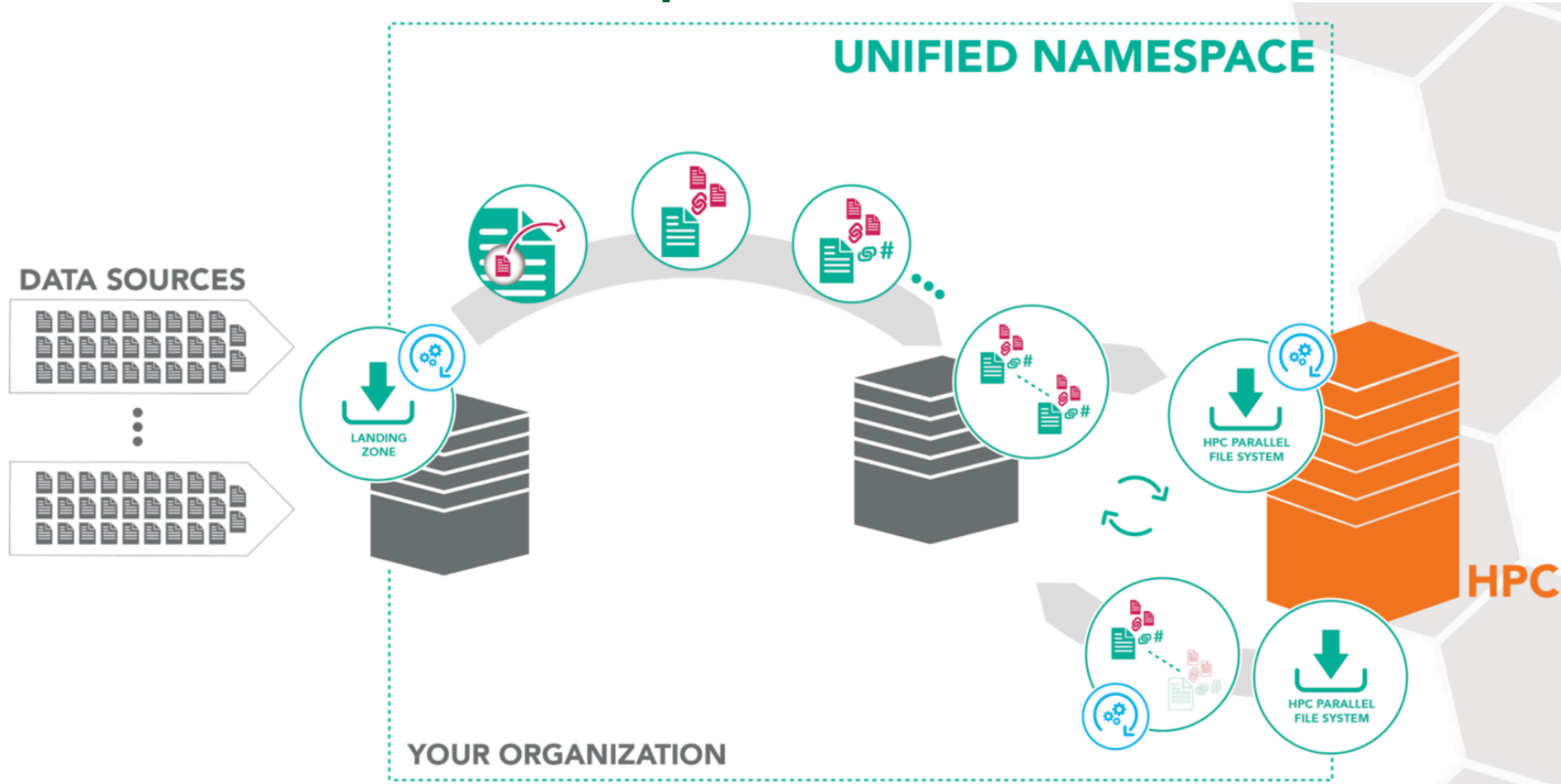


Compute cluster Lisa

Data, what's the problem?



iRODS computation workflows



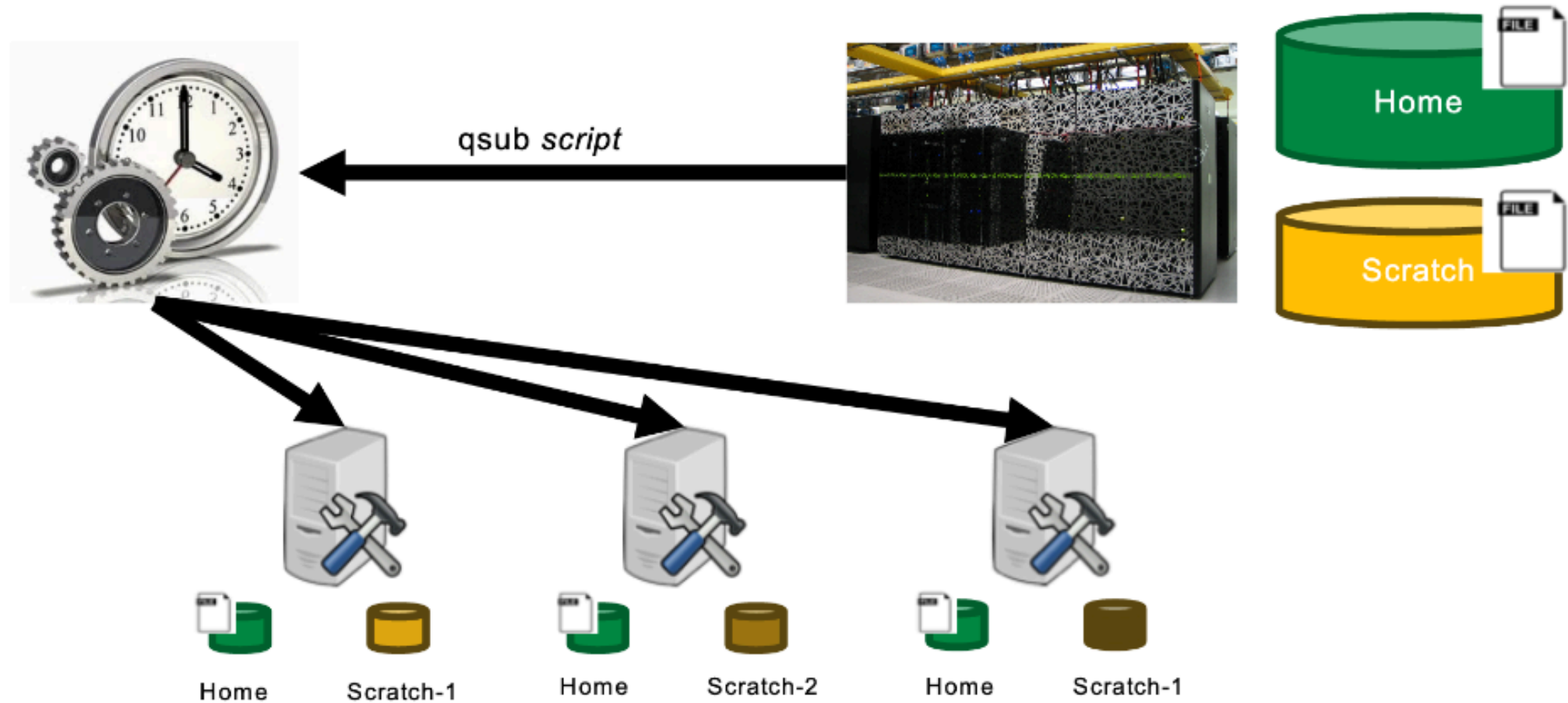
What, why, when Supercomputer?

- What is a super computer?
 - A fast computer
 - A large computer (memory/storage)
 - An expensive computer
- Why/when do you need a supercomputer?
 - If your task would take months/years on a normal PC
 - If your task requires more space (memory/storage) than available on your PC

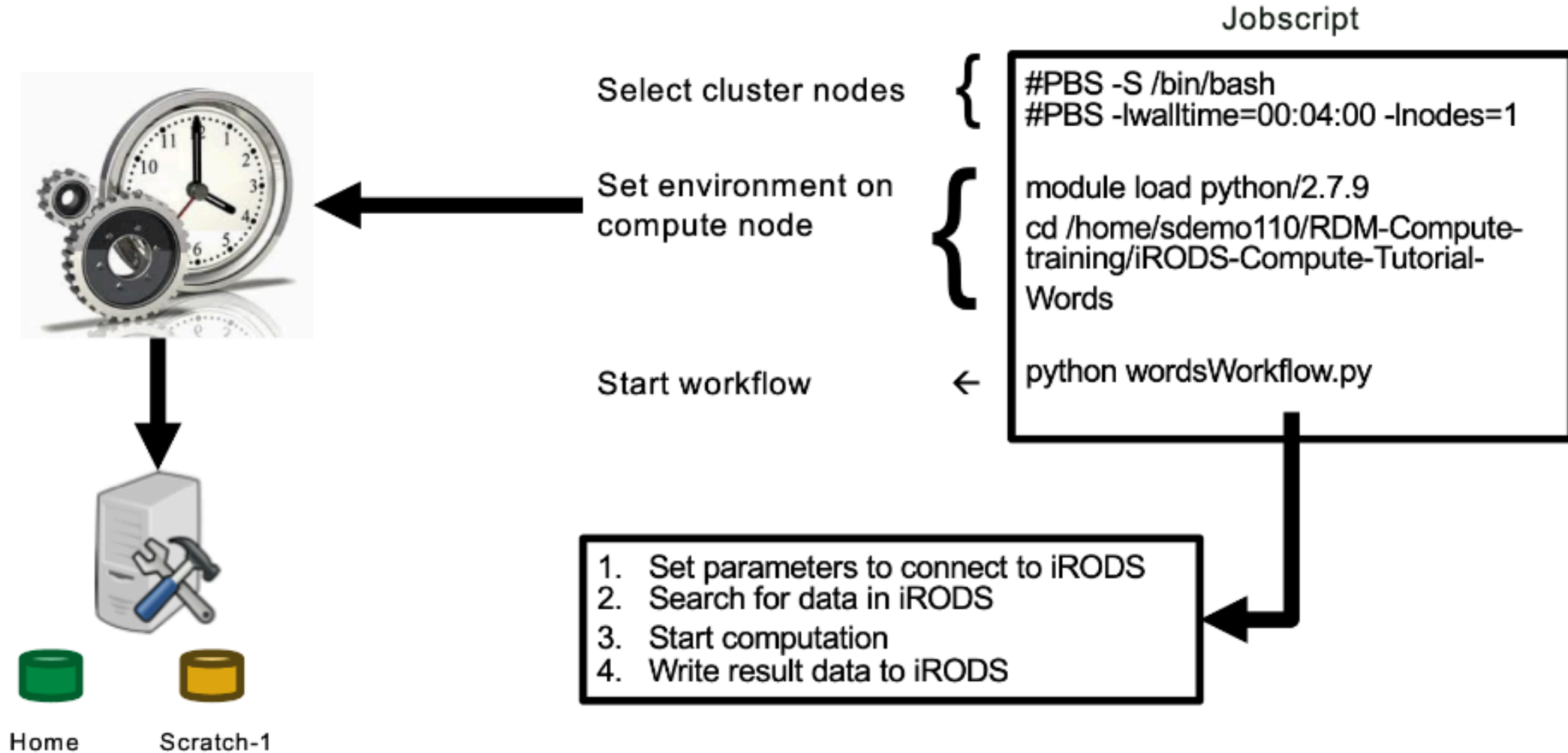
Compute clusters SURFsara

- SURFsara has Cartesius and Lisa computer clusters
- What is the difference?
 - Cartesius – Larger blocks (capability – fewer large scale jobs)
 - Lisa -- smaller blocks (capacity computing – more smaller scale jobs)
- Cartesius – expensive expensive
- Lisa – Cheaper, but still expensive

Lisa



Workflow 1 - Wordcount



Optional Workflow 2- ACES

