Parallel computing ECDF/Condor

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Current possibilities

ANC Servers

- Small and busy

Condor

- Unreliable
- Inhomogeneous
- Big

Informatics cluster

- Restricted access and not so big

ECDF

- Recently busy but huge
- Very responsive support

How I use it

- I have large simulations that eat loads of memory (>1G) and run for long times (>10hours)
- I want to run the same simulation many times with different parameters

Using ECDF

- After you register you get your own home directory
 - Small tip: register with the DICE username
 - 1GB quota
 - If not enough move to /exports/work/informatics
- Submission hello world example:
 - qsub -l h_rt=H:M:S helloworld.sh

How I handle multiple jobs and parametrization (I)

How I handle multiple jobs and parametrization (II)

Some other tips

- Not enough memory?
 - qsub -pe "memory" 2 -l s_rt=20:0:0 -R y helloworld.sh
- Delete all running jobs
 - qdel -u username