CÉCIUser Satisfaction Survey 2020

How the survey was conducted







Account holders

November 30th to December 21st

3 emails to the ceci-user mailing list

Who responded tothe survey

out of approx. 693 active users from August 2019 to December 2020

2019: 85 respondents 2018: 88 respondents

92 respondents

49 respondents

are responding to the survey for the first time



Affiliation

ULB 26%

> ULiège 26%



Operating system

MacOS 20%

> Linux 51%



soft matter physics forest ecology cognitive neuroscience astrophysics climatolog optimization statistical physics cryptography biophysics thermal physics neurosciences numeric solvers statistics nuclear physics particle physics medical physics image processing biorobotics Cea materials science fluid mechanics

computational chemistry machine learning mathematics computer science

What users

supervisor

email

sysadmin

peer

other

0

How users found out about CÉCI



10 20 30 40 50 % of respondents



How easy was it to create an account

Easy for 88% of the respondents

Evolution





How easy was it to connect with SSH

Easy for 75% of the respondents

Evolution





How easy was it to find help





none

How many publications with acknowledgments toCÉCI



% of the respondents

Most important piece of hardware fast CPU cores fast Network many cores/node disk space memory

accelerator

fast disk



discovardenovonetcdf homer motif precition tool darknet iqtree paraview cuda mcrmrtrix latex stacks openfoam gsl module gmsh tensorflow gatk cdooctave fftw r mbmdrgurobi hdf5 gsl schrodinger matlab abinit plink vcftools blas/lapack xpress gnuplot nusmv crystal singularity bowtie bwa aligner raxml rustc phylogeosim gromacs mpi

Softwares USed

Types of Job

Combination 17% Serial 4% Hybrid 26%



Typical number of cores



Typical job duration

minutes

hours

days

weeks

months

0





10

20

30

%

40

50



Typical memory per core

1 GB/core 2 GB/core 4 GB/core 10 GB/core 10 GB/node 100 GB/node I TB/node

2020		2019		2018	
5 10) 1.	5 2	0 2	5 3	0 (

0

%



Common storage

using the common storage



Dream job

More jobs at once Longer runtime More disk space More memory

Overall sentiment

Satisfied 64.1%

Detailed response

http://www.ceci-hpc.be/survey2020.html

