Thus spoke CÉCI Users

2017 CÉCI user satisfaction survey

anonymous survey Target: account holders

Span: June 16th to June
30th

3 emails to the mailing list

questions

How did you learn about us? Was it easy to create an account, to connect? In how many publications have you acknowledged the CÉCI? What do you need? (hardware/software/policy) What is your typical job? What would your dream job be? feedback

Ariel Lozano & Damien François | Summary of findings for the 2017 edition of the CÉCI user satisfaction survey. | Sep. 2017

86 responses

Out of approx. 490 users active from January 2017 to July 2017

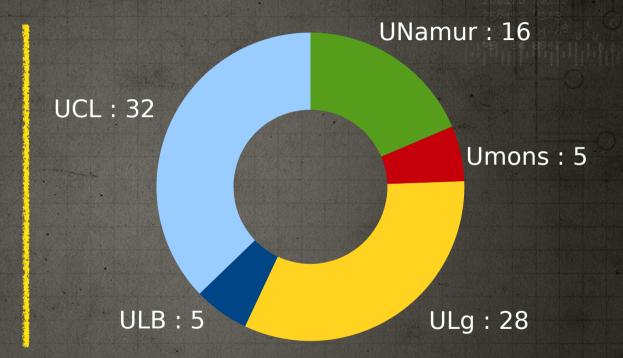
1/2 had already answered a previous CÉCI survey

83 responses

Out of approx. 470 users active from July 2015 to July 2016

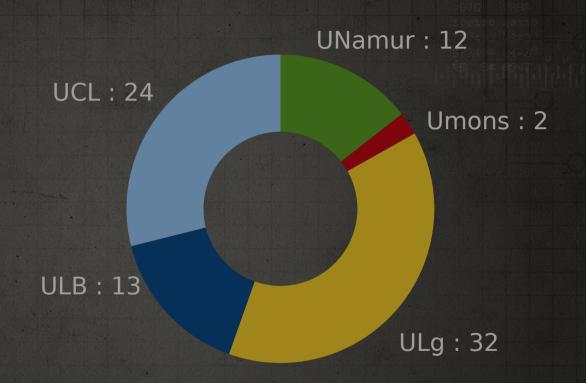
1/2 had already answered a previous CÉCI survey

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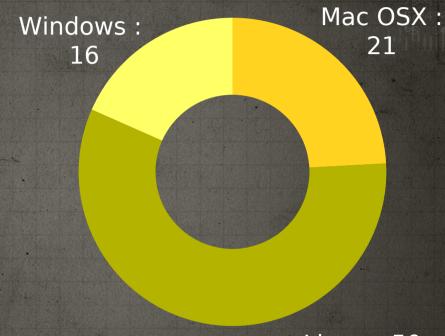


ASTYEAR

83 responses



Operating system



Linux: 50

Fields of application: fluid mechanics nuclear physics bioinformatics and modeling aerodynamics dynamics

celestial mechanics dynamics machine learning biology <u>b</u>iogeography organic photovoltaics oceanography meteorology

maging quantum chemistry environment climatology physics energy computational chemistry electromagnetism human genetics medical imaging

climatology neuroscience first-principles calculations complex systems

materials science

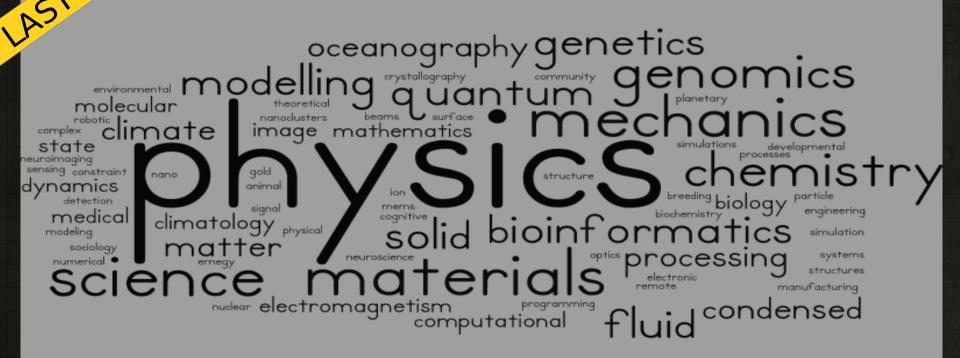
mathematical optimisation operations research fracture mechanics space sciences computational mechanics nanophysics palaeoclimatology and data assimilation atmospheric dynamics manufacturing optimization software finance

quantum mechanics solid state physics

applied mathematics genetics computational physics theoretical electrocatalysis nanotechnology mesh generation chemistry

bioinformatics hep quantitative genetics

Fiel (ED) application:



questions

How did you learn about us?

Was it easy to create an account, to connect?

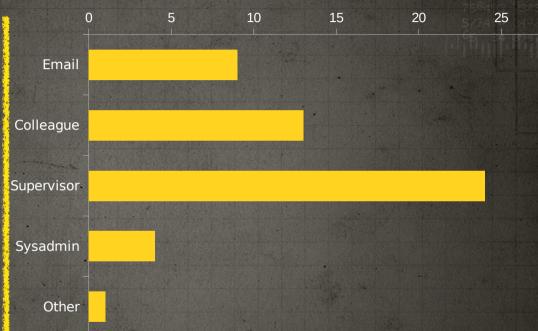
In how many publications have you acknowledged the CÉCI?

What do you need? (hardware/software/policy)

What is your typical job?

What would your dream job be?







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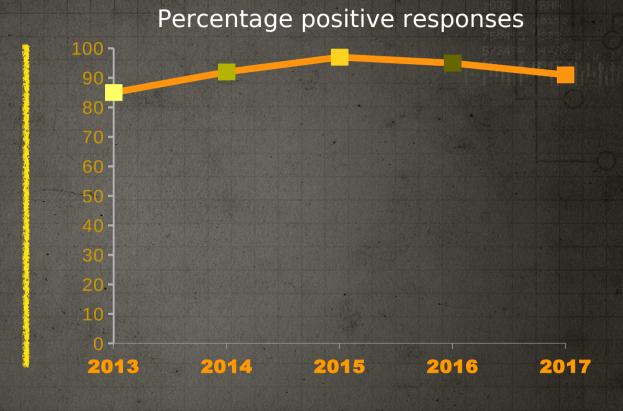
What is your typical job?

What would your dream job be?

Was it easy to create an account?



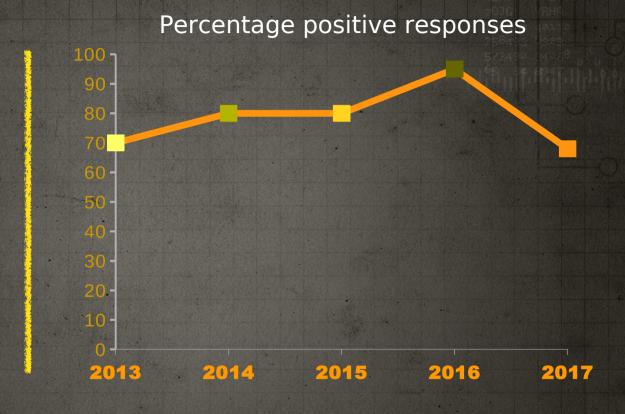
Was it easy to create an account?



Was it easy connecting with SSH?

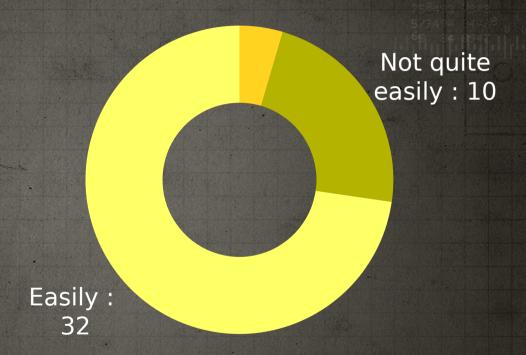


Was it easy connecting with SSH?



It was truly difficult : 2

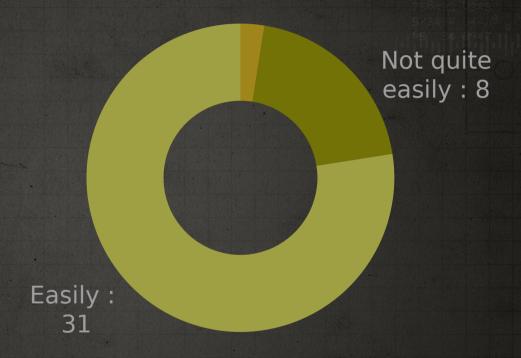
Did you find help when needed?



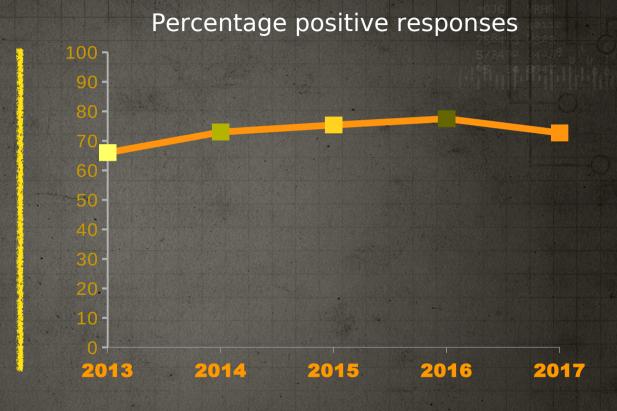
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Did you find help when needed?

It was truly difficult: 1

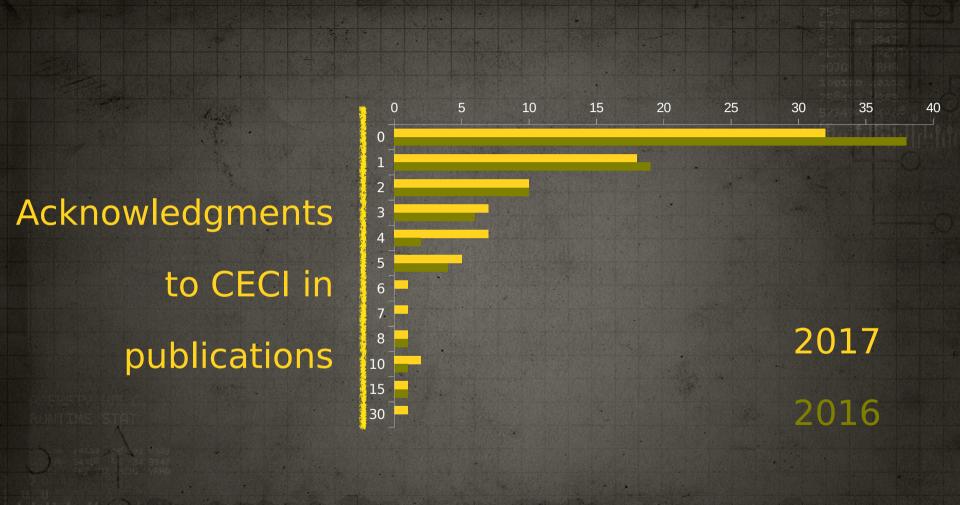






questions

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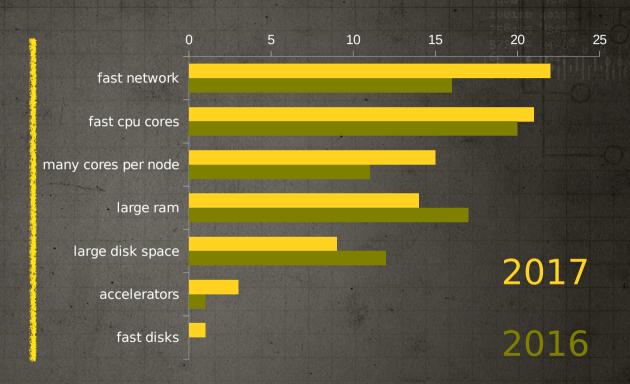
In how many publications have you acknowledged the CÉCI?

What do you need? (hardware/software/policy)

What is your typical job?

What would your dream job be?

What is the most important piece of hardware you need?



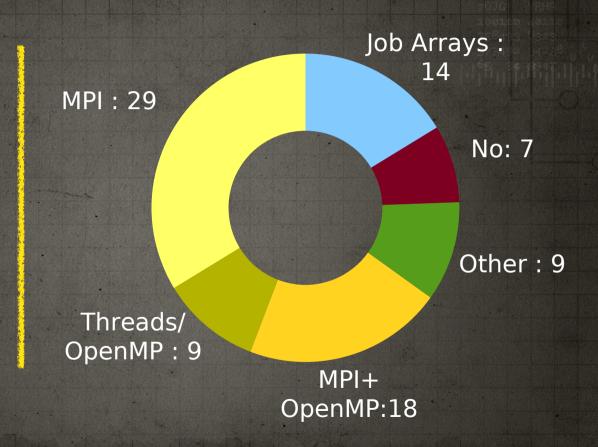
Software used

matlab debuggers gromacs star aligner iulia pgi compiler abctoolbox g++ ferret abinit hdf5 molpro amber gmsh perl anaconda roms mosel fhi-aims clang/llvm cplex matplotlib abipy xcrysden mpi swig tophat bowtie madgraph gaussian intel compilers slim intel mpi slim intel mpi snap stacks bash ■ vim getdp lammps bioinformatics tools java octave netcdf pandas singularity
java octave netcdf pandas compilers
cdo ddeels mirdeep2 dalton16 otb compilers
cdo gurobi pydata petsc scipy namd quantum espresso bash shell ncview rmats mongodb numpy **V**2 turbomole abagus siesta fftw paraview yambo abinit gaussview gfortran crystal14

questions

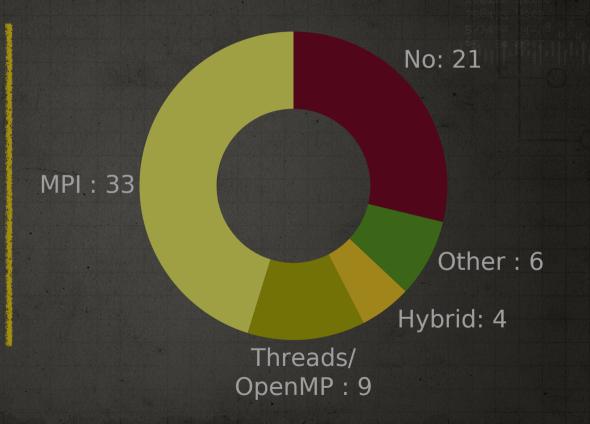
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Parallel job?



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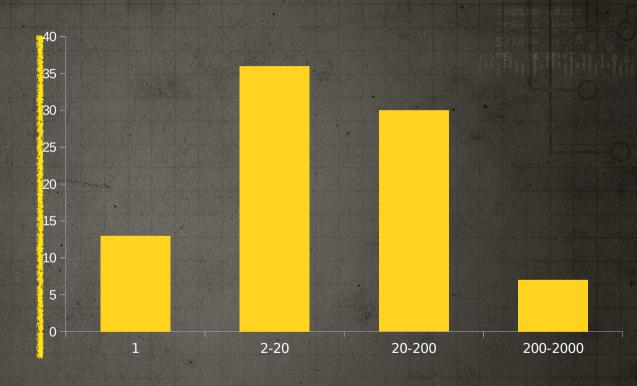
Parallel job?



Ariel Lozano & Damien François

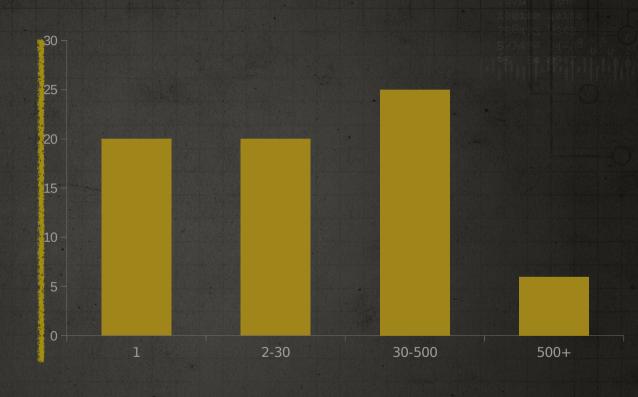
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Typical nb of cores

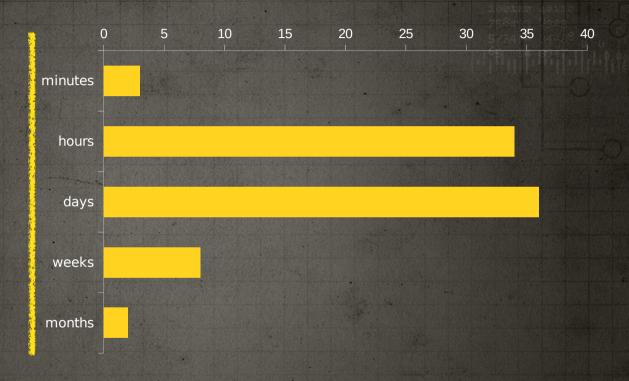


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Typical nb of cores

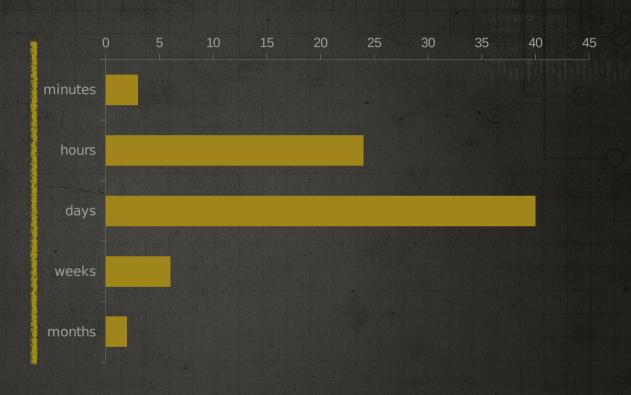


Typical job duration



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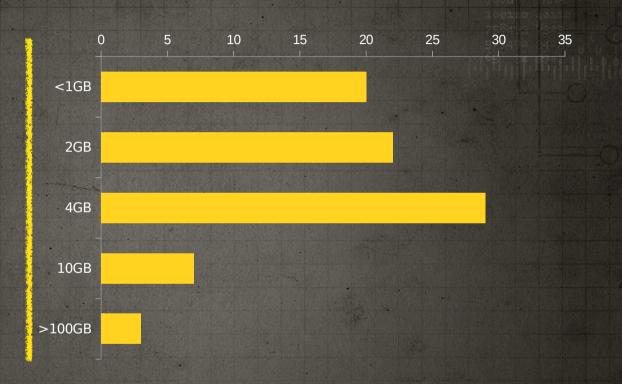
Typical job duration



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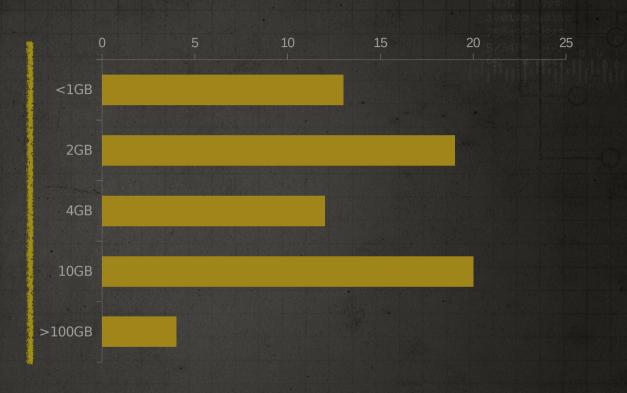
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Typical RAM / core



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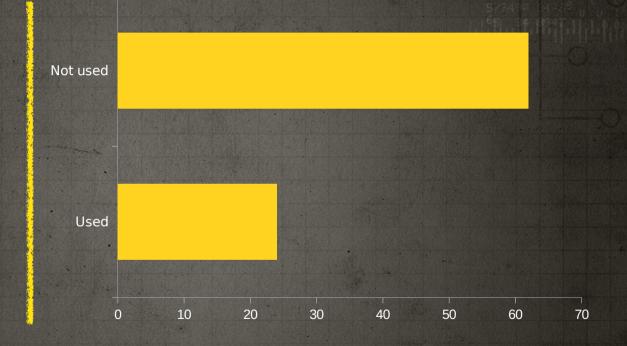
Typical RAM / core



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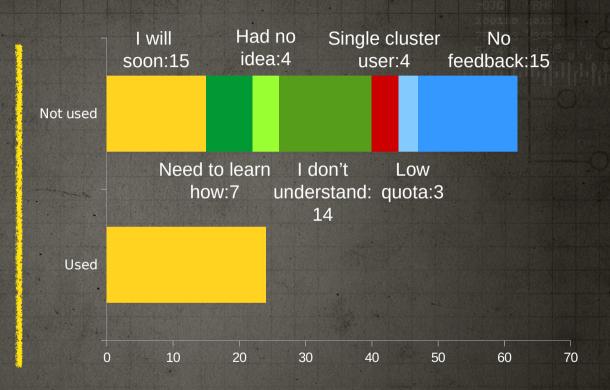
Common Storage



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Common Storage



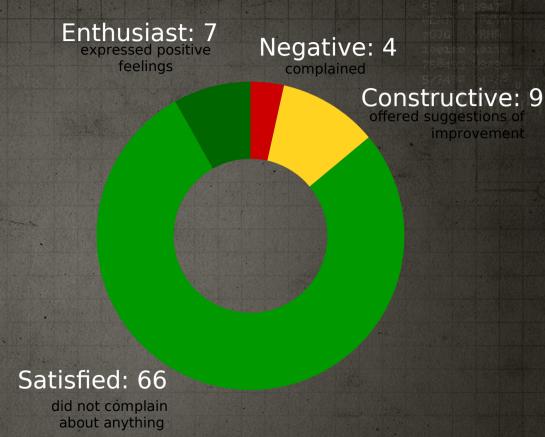
Dream job

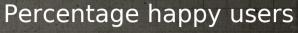
- •••• Less waiting
- •••• More CPUs
- •• Faster CPUs
- •• More jobs at once
- •••• Longer jobs
- •• Faster disks
- ••• More memory/core
- ••••• Satisfied

Dream job

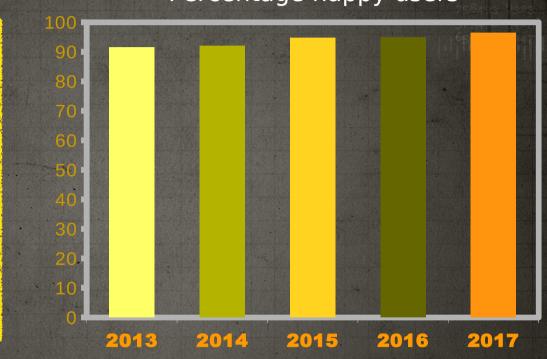
- •••• Less waiting
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- •••• More jobs at once
- •••• Longer jobs
- ••••• More disk space
- •••• More memory/core
- •••• Satisfied

Overall sentiment





Overall sentiment



Detailed response

http://www.cecihpc.be/ survey2017.html