Thus spoke CÉCI Users

2018 CÉCI user satisfaction survey

anonymous survey Target: account holders

Span: June 11th to June 28th

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 2018 edition of the CÉCI user satisfaction survey. | Sep. 2018

88 responses

Out of approx. **467 active users** from August 2017 to July 2018

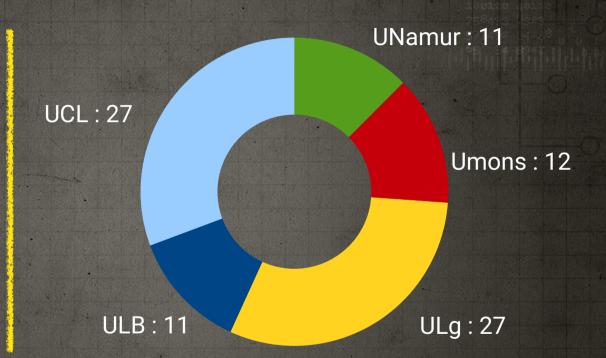
1/2 had already answered a previous CÉCI survey

86 responses

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

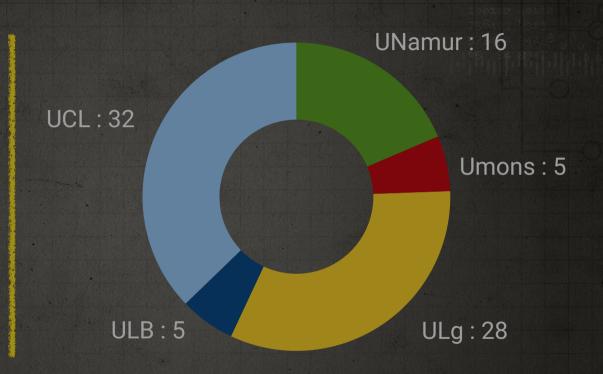
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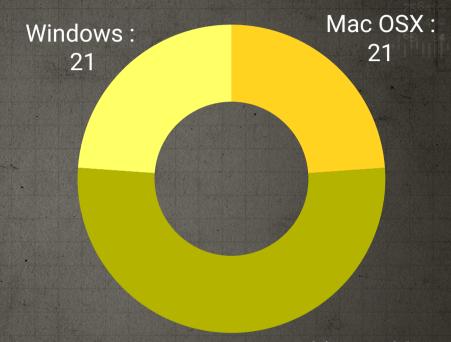


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86 responses



Operating system



Linux: 46

Fields of

application:

combinatorial optimization dynamical systems

astrophysics

high energy particle physics machine learning bioinformatics data science computational chemistry

nuclear physics atomic physics

materials science

climatology system admin geomatics oceanography

fluid mechanics image processing

dynamical systems statistics

environmental science computer science solid state physics graph theory

numeric solvers

manufacturing processes social network analysis

Field Fapplication: fluid mechanics nuclear physics bioinformatics and modeling aerodynamics celestial mechanics

dynamics machine learning biology biogeography organic photovoltaics oceanography meteorology

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

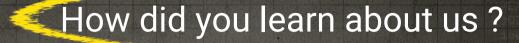
climatology neuroscience first-principles calculations complex systems

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



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What would your dream job be?

questions



find out about the CÉCI?



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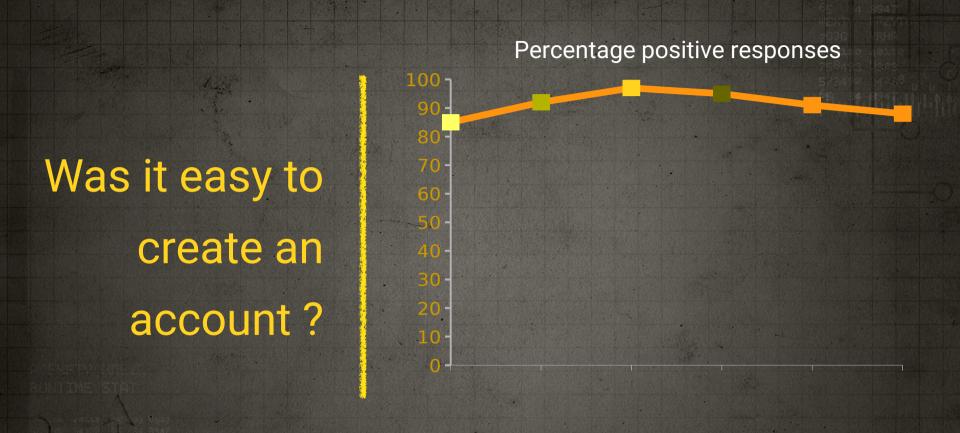
What would your dream job be?

questions

Was it easy to create an account?



91% yes



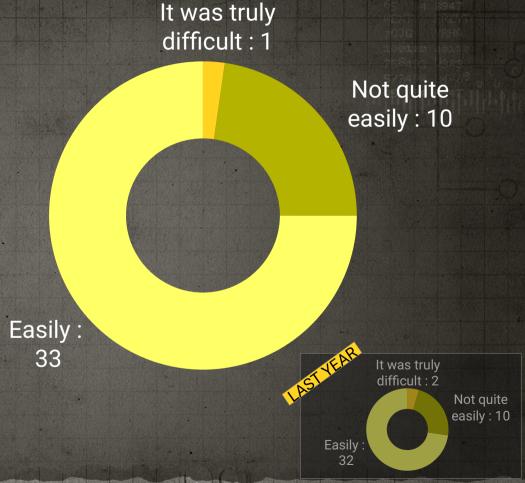
Was it easy connecting with SSH?



68% yes



Did you find help when needed?



Did you find help when needed?

Percentage who Easily found help

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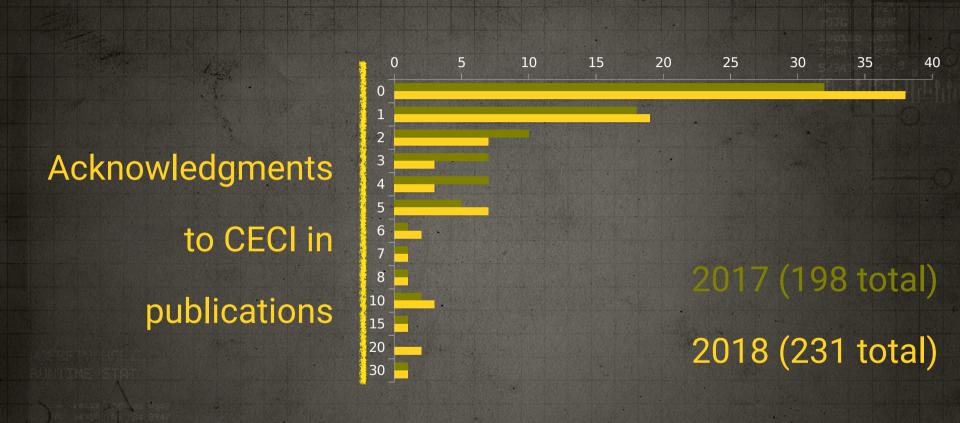
questions

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questions

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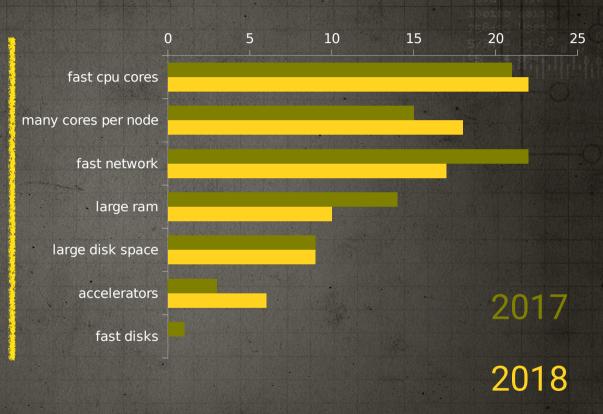
In how many publications have you acknowledged the CÉCI?

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

```
intel compilers
                 cplex ratip
          mpi
                           slim
                         redmd
                                  octave
      dictra
                gfortran crystal
       grasp98
              stacks abagus
                            gromacs paraview
        molcas
               prepro
gdal+otb
          gsl boost pandas jupyter vales2
                petsc atat
          falcon
                          meep vpm4x dalton
turbomole
      samtools netcdf ncview
      blast
                  matlab r s
                             star cdo
       lagamine mathematica
                               canu
           grasp cd-hit gaussian molpro
           allinea ddt
                           thermocalc
           gaussview
                     openfoam
              openmp
      Java
               xpress Vasp
                     grasp2k quantum espresso
              fort bowtie2
```

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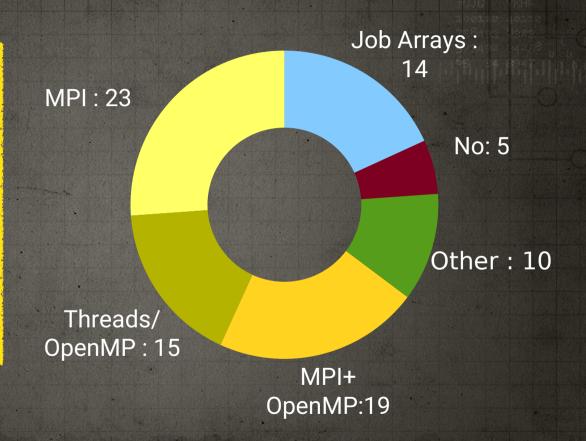
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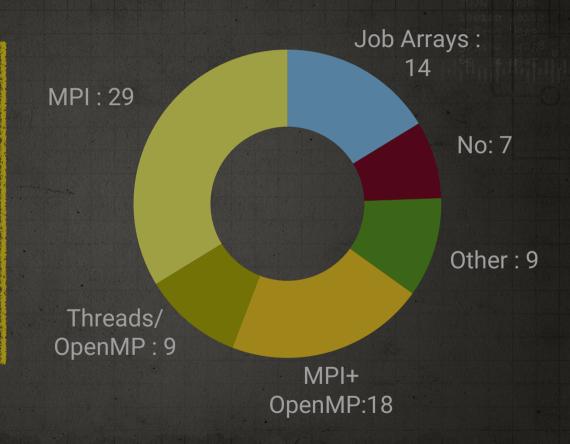
What would your dream job be?

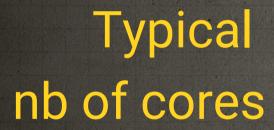
Parallel job?

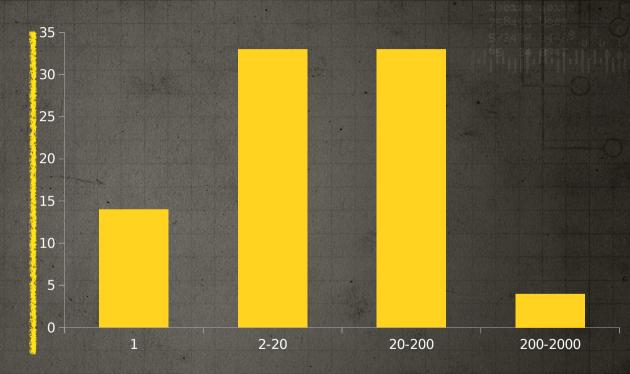


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Parallel job?

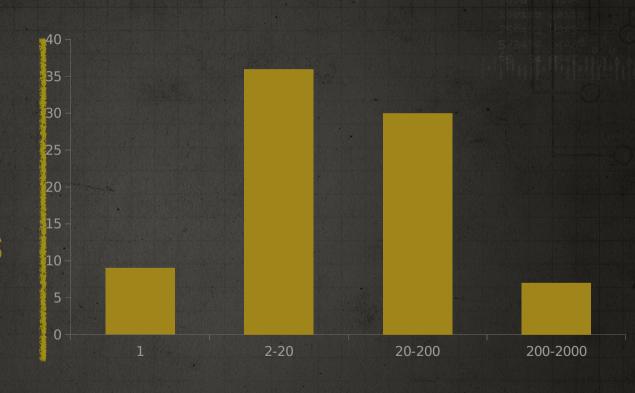




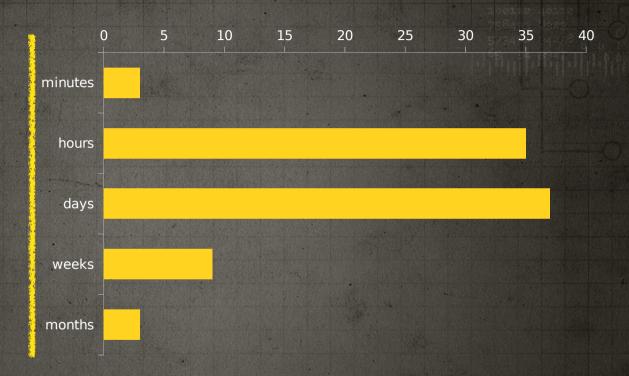


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Typical nb of cores

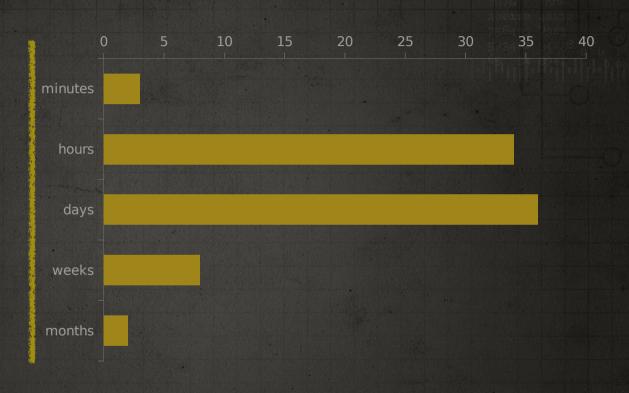


Typical job duration

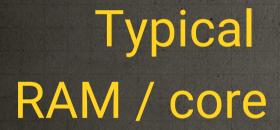


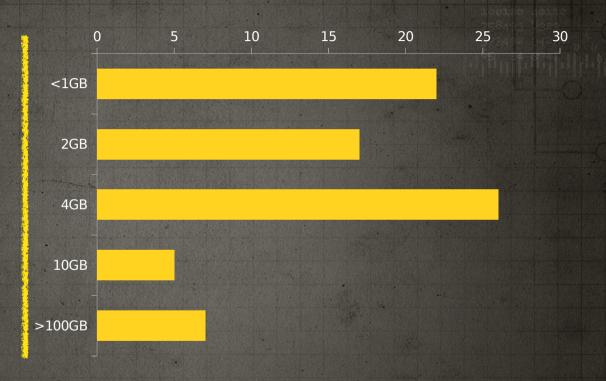
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Typical job duration



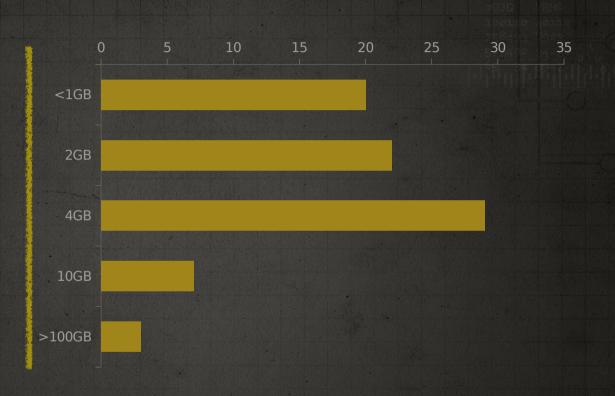
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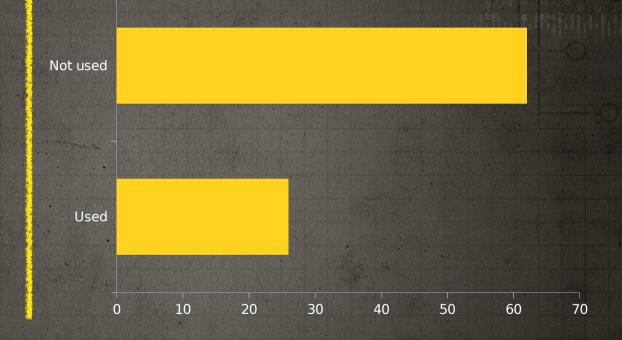
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Typical RAM / core



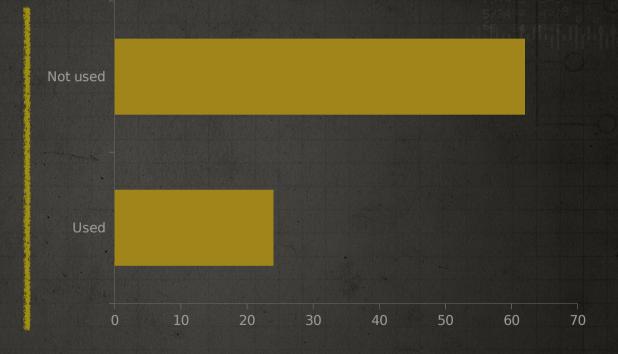
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Common Storage



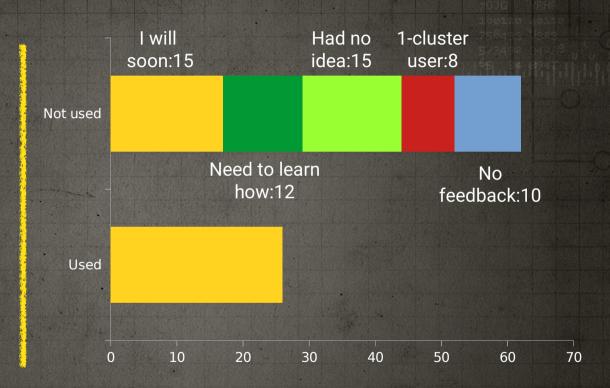
LASINEAR

Common Storage



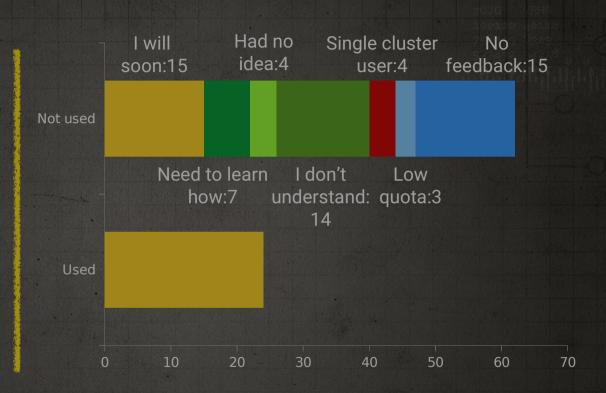
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Common Storage



ASINEAR

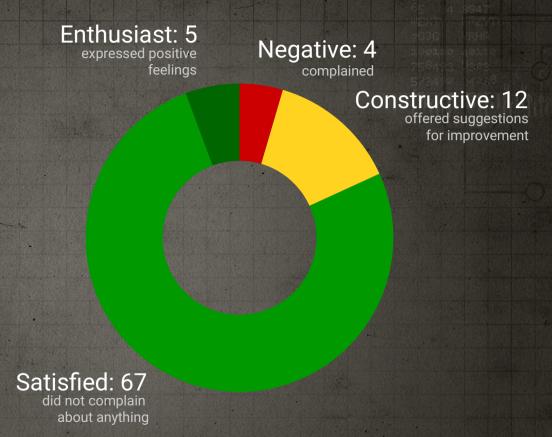
Common Storage

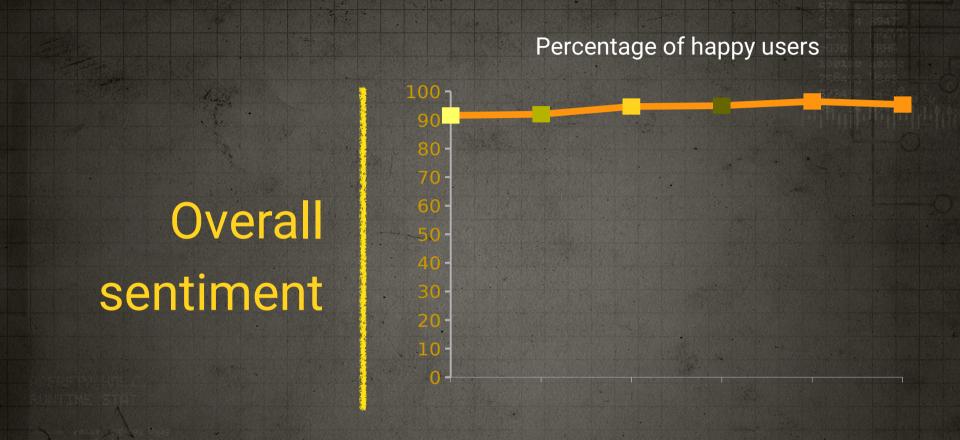


Dream job

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

Overall sentiment





Detailed response

http://www.ceci-hpc.be/survey2018.html