



Application for Compute Time on the RWTH Compute Cluster Category: RWTH-Medium

Computer: BULL MPI

Application No.: 1240 Project extension: no

Application for computing time from 2017-07-01

to 2018-07-01

* Contact Information

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* Project Data *

Project period

Beginning: 2017-07-01 End: 2018-07-01

Project Title:

Nussvervielfältigung und Verhaltensmusteränderungen von mitteleuropäischen

Eichhörnchengruppen

Involved collaborators: 42

Keywords:

Nut, Squirrel

RWTH Fachbereich: 1

RWTH Fachgruppe: Biologie

Field of Research: 108-02 Secondary number(s): 203-04

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* Application Volume *

* and Technical Information *

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Compute time for the whole period (mio core-h): 0.2400000000000

Range of expected sizes of production jobs (number of cores)

minimal: 1 average: 12 maximal: 240

Range of expected duration of production job runs (hours elapsed time)

minimal: 1 average: 24 maximal: 120

Range of expected total memory usage of production jobs total job memory (GB)

 Do you plan to use specific Software Packages (ISV, OpenSource, Compilers)?

Open source Sw, MPI+OpenMP parallelisiert (Intel MPI + Intel Compiler) Eine Open Source OpenACC Bibliothek wird eingebunden (PGI Compiler nötig)

Are you using and / or further developing one or more own software packages?

Yes

If yes, which programming language(s) (C, C++, Fortran, others), do you use?

Fortran-2003

If yes, wich parallelization paradigm(s) (MPI, OpenMP, others), do you use?

MPI+OpenMP+OpenACC

Do you have any special IO requirements like parallel IO, large data transfers, etc.?

Have you or any member of you team applied for or received CPU time grants at other sites?

Remarks, special requirements, consultation needed, etc.:

Need additional 5TB of disk space in order to save the nut data

Project description in electronic form uploaded: yes (1 page)

Hereby the principal investigator of this project confirms that in publications arising from this project the computing time granted by RWTH Aachen University will be acknowledged using this phrase:

Simulations were performed with computing resources granted by RWTH Aachen University under project <ID of your project - will be communicated later> and electronic copies of these publications will be send by E-Mail to hpc-projects@itc.rwth-aachen.de.

The PI is also kindly requested to take part in reviewing other scientists' compute project proposals or otherwise to nominate a delegate who is able to thoroughly take part in the reviewing process.

Furthermore, short (1-2 pages) final or status reports for publication are due at the end of the computing project period.

Please be aware that all data stored in directories belonging to the compute project account will be deleted 8 months after the end of the project unless an extension has been approved.

Signature of Principal Investigator

27.6.2017

(Prof. Maximimilian Mustermann)

Please send this form to the IT Center by

Mail: RWTH Aachen University

IT Center

Seffenter Weg 23 52074 Aachen

Fax: 0241 80 22134

Please do not send us signed and scanned PDF forms by e-Mail.

For questions or problems with the electronic questionnaire, please contact the IT-ServiceDesk:

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E-Mail: servicedesk@itc.rwth-aachen.de