Title of your report

<<Catchy Title, e.g. Supersonic Symmetries in Black Holes>>

Research institution

<<Institute for Advanced Studies>>

Principal Investigator

<<Albert Einstein>>

Researchers

<<Erwin Schrödinger, Isaac Newton Jr.>>

Project partners

<<Institute for Practical Computation, LMU Munich>>

SuperMUC project ID(s) of the projects you report in this article

<<pr28fi, h0xyz, pr71ac>>

Please read this carefully!

Please use this file as template. This dummy report explains the structure of your report and what the reader should learn from it.

Introduction

Preferably, use LibreOffice or Word to modify this file. You can also use LaTeX to create a PDF – use two columns and a 9pt Arial font to create a layout similar to this template.

Please start with an introduction and reference to the website of your project [1]. If you have several SuperMUC projects: You can either write separate reports for each project, or you can combine them into one report.

The article should cover the topics and results of your work and is intended for interested readers who are not necessarily experts.

Please organize your report like this:

- Introduction
- Results and Methods
- On-going Research (or Outlook)
- References and Links

Please use a 9pt Arial font, alignment set to justified. Try to avoid subsections.

Results and Methods

Describe the **most important scientific and technical results** of your research in this section. Give a **description** of the **simulations** run on SuperMUC, especially the **technical** and **algorithmic methods**, **programming techniques**, as well as the **resources** needed for those computations. How many **CPU-hours** did you use in your project(s)? How many **cores** did you typically use per job? How many **files** were generated, what was the overall **storage** needed in SCRATCH and PROJECT?

Figures

Impressive images turn your report into an eye-catcher. A 3D-plot, for example, is visually much more appealing than an x/y plot. We encourage you to include many figures and pictures.

High resolution figures (300 dpi) are needed for printing: one-column wide pictures like Fig. 1 should have a width of >1,000 pixel, figures that span the entire page width should have >2,000 pixel (see Fig. 2). Please make sure that all figures are included in the final uploaded archive as **properly labeled, separate files** (e.g. figure1.jpg).

Align figures as text, filling a whole line. See the example of Fig. 1 - this is the preferred layout. Please make sure to provide meaningful figure captions. The preferred file format for images is PNG or high quality JPG (>1,000 pixel). Take care when using PS or EPS - you might run into problems with the bounding box.

Figure 1: Please use images to illustrate your work. We encourage you to include many Figures. Please align Figures like centered text, filling a whole line. One-column figures should have a width of >1,000 pixel! This example image shows hydrogen bonds in water, taken from wikipedia [2].

Using Symbols and Equations

Please use symbols or equations only if you really need them. Please keep in mind that the article is very short and is intended as an overview of your work for a general audience that are no experts in your field.

Tables

Table captions should be placed above the table and should be formatted with the document style “SuperMUC report Table caption”. See Table 1 for an example.

Table 1: Please place the caption above the table.

Example	Code 1	Code 2	Code 3
PFLOP/s	314	42	753
GByte/s	512	127	222

Figure 2: Please use info graphics and/or impressive images if possible. Figures wider than one column should have a width of >2,000 pixel! Example image showing the water cycle, taken from wikipedia [2].

Upload to LRZ

Please create a PDF of your report and pack all files (this document as doc or odt, individual figures as png or jpg, and the PDF) into one tar or zip archive. Please use the following naming scheme:

supermuc_report_<project-id(s)>.tgz, e.g.
supermuc_report_pr28fi_h0xyz_pr71ac.tgz

If your report covers more than one project, please include all project-ids in the filename. Upload the archive using this link (as type of document choose: "Other article (scientific paper, workshop proceedings, etc.)"): **https://www.lrz.de/services/compute/supermuc/upload-report**.

If you need help, please use this link:

http://www.lrz.de/services/compute/supermuc/contact_support/.

On-going Research / Outlook

Please provide HPC relevant information: How did SuperMUC help your research, what progress have you made since the installation of SuperMUC Phase 2, what new scientific questions could be addressed using the upcoming machine SuperMUC-NG?
What were the limitations you faced in your project?
What kind of obstacles did you overcome?
Do you already have plans for follow-up projects?

References and Links

Please use less than 5 references. The first reference should be a URL of the website of your project. Please use the "ACM Reference format" - details can be found in [3]. Abbreviations for journal names can be found in [4].

Example:
[1] www.black-hole-project.physik.lmu-muenchen.de
[2] wikipedia.org: water
[3] http://www.acm.org/publications/word_style/word-style-toc/
[4] http://library.caltech.edu/reference/abbreviations/

Please try to fit your report on two pages!