



## Final project proposal

<b>Type</b>	Master
<b>Title</b>	<i>Green HPC</i>
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<b>Department / Group</b>	
HPGCC – FINKI super computing center.	
<b>Topic(s)</b>	
High performance computing, green computing	
<b>Project can start from</b>	01.4.2014
<b>Project duration</b>	4 months
<b>Short description</b>	
Power efficient computing is one of the current trends in computer engineering. This is especially important regarding HPC cluster that have huge power requirements. The idea of the project is to introduce metrics for the power efficient HPC and to measure some of the popular parallel algorithm and libraries with regard to this metrics	
<b>Results and assessment</b>	
Written report on the developed metrics, analysis and comparison of the most popular parallel algorithms and libraries with respect to this metrics, recommendation for greener usage of the HPC cluster. Final 30 minutes presentation.	
<b>Other (additional) information</b>	
<a href="http://hpgcc.finki.ukim.mk">http://hpgcc.finki.ukim.mk</a>	