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## High Performance Computing at Universidad de Costa Rica

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Computer Clusters have demonstrated to be a key tool in scientific research. New algorithms have been developed in several areas: bioinformatics, particle physics, nuclear physics, astrophysics, condensed matter, chemistry, engineering, economy, among many other fields. Over the last 10 years our university has been supporting research projects that need a lot of computer power to solve their problems. Nowadays, there are several computer clusters sparse over the campus that are close to their end of life. Each one was acquired for specific applications. Instead of replacing each one of the clusters, we have decided to build a Campus Cluster to serve all the scientific and academic staff, including students of course. This cluster is aimed to cover all the different necessities we could find, including GPU capabilities. We are expecting that this new Campus Cluster will be a key player in our research and also will allow us to make interesting collaborations in the Central America and the Caribbean region.

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