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Progress on The SADC Cyberinfrastructure Framework: Supporting Open Data and Open Science in the region

Wednesday, 6 December 2017 09:00 (45 minutes)

There is a convergence of data and compute intensive paradigms and a proliferation of research and projects in these areas and applications. There also is a global trend in developing distributed federated high performance data cyberinfrastructures and e-infrastructures to support to research, encourage collaborations and to facilitate data sharing for open science.

These cyberinfrastructures can also be used to share expensive instruments and resources including high performance computing (HPC), radio telescopes, genomics databases, electron scanning microscopes etc. through connected research networks. These efforts are typically aimed at accelerating research and discovery across domains and countries often reinforcing National, Regional or Continental objectives or geopolitical objectives such as integration.

Regionally, the Southern African Development Community (SADC) countries have engaged and developed a regional collaborative Cyberinfrastructure Framework. The vision is of:

An education, research and innovation environment that provides for human capital development and shared access to unique or distributed facilities to impact socioeconomic development in the SADC region and promote knowledge based economy.

HPC content

see attachment

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