

Statement of Capability from iVEC

iVEC, 'The hub of advanced computing in Western Australia' is an unincorporated joint venture between Central TAFE, CSIRO, Curtin University of Technology, Murdoch University and The University of Western Australia and is charged with encouraging and energising research in and the uptake of high performance computing, visualisation and large scale data storage by researchers in Western Australia.

In 2006, iVEC secured its third tranche of funding from the State Government, securing \$1.95 million per annum until 2010. A major component of this funding was to ensure that iVEC purchased a petabyte scale data storage system and make it available to researchers via a range of technologies including the grid. We are currently finalising the procurement process.

Thus the first capability that iVEC can bring to ANDS is access to a large data storage system (although the tender is not yet finalised, the system will have at least 400 TB of tape on delivery and will be expandable to at least 1 PB solely through the purchase of additional tapes).

iVEC will be actively involved in putting in place mechanisms for both the moving of data between remote sites as well as federating data across remote sites. As such, we would be very willing to get involved in any national federation services.

The final area where iVEC believes it can make a substantial contribution to the mission of ANDS is in the area of outreach. iVEC has been tasked by the State Government to provide outreach to researchers in Western Australia in the areas of high performance computing, visualisation and large scale data storage and the e-Research services that both bind these together and make them more accessible. As well as providing these services to the iVEC Partners listed above, we also have an industry and government uptake program that is actively engaging with companies and government agencies and could provide services through ANDS to this wider audience. Thus iVEC believes it is well placed to provide a home in Western Australia for outreach personnel to be directed through ANDS processes.