



western australian  
marine science institution

**Submission No. 011**

(Pawsey Centre)

Date: 09/04/2010

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8 April 2010

Committee Secretary  
Parliamentary Standing Committee on Public Works  
Department of House of Representatives  
PO Box 6021  
Parliament House  
CANBERRA ACT 2600

Dear Public Works Committee

**Re: The Pawsey High Performance Computing Centre for SKA Science, Kensington, Western Australia**

The Western Australian Marine Science Institution [WAMSI] is an unincorporated joint venture involving sixteen partner agencies in Western Australia from industry, governments, academia and NGOs put into place in 2006 to coordinate regional scale strategic marine science. As part of this initiative, we have teamed with iVEC and also Western Australian Satellite Technology Association [WASTAC] and more recently, Integrated Marine Observing System [IMOS] to further develop an industrial scale marine and coastal data management system for Western Australia.

This has now been picked up as part of the Australian Oceans Data Network as delivering a 'Regional best-practice' in this area.

The facilities at iVEC and the planned facilities as part of the Pawsey Centre for High Performance Computing are absolutely integral to the future expansion and development of the marine and coastal science domain in Western Australia, noting that WA incorporates one third of the nation's coastline and has a massive marine and coastal industry based around oil and gas and iron-ore assets.

We therefore commend strongly the development of the Pawsey High Performance Computing Centre for SKA Science as specified in the specification document noting that the facility based at Kensington in WA will be highly utilised by other scientific sectors within the State and also nationally. The facility will allow for massive data storage; it will allow for data visualisation, as well as high performance computing as utilised, for example, in our Indian Ocean climate change impact models.

We commend the development of this computing centre as a national priority.

Yours sincerely

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