



International
Centre for
Radio
Astronomy
Research

ICRAR Overview

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Technical Leader



Curtin University



THE UNIVERSITY OF
WESTERN AUSTRALIA
Achieve International Excellence



DFAT* Australia-ASEAN Council Grant

Grant Round 2016/17

covers visits, co-supervision, student exchange, etc.

large in-kind contributions from both ICRAR and NARIT

Establishment and Promotion of HPC for Radio Astronomy in Thailand

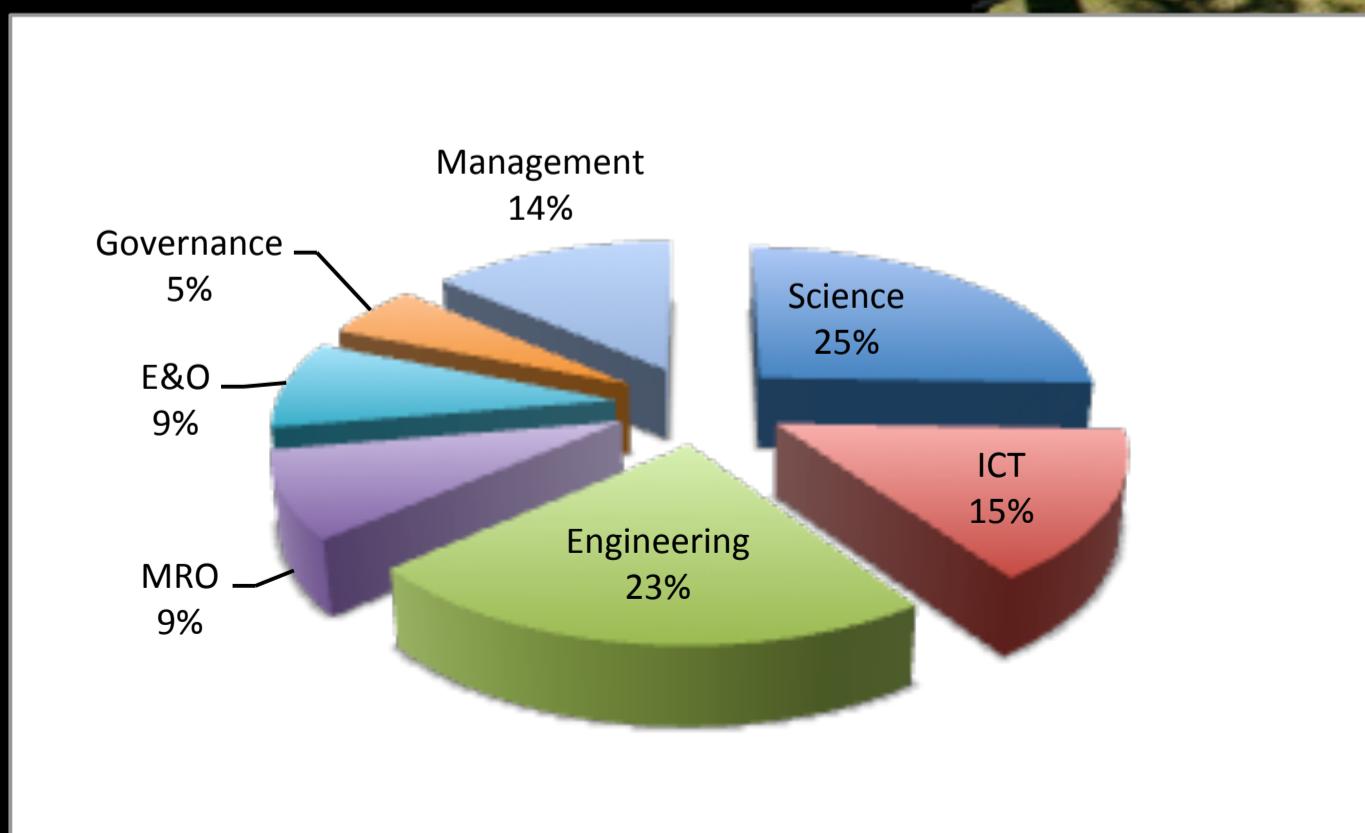
Provide expertise in High Performance Computing from ICRAR/UWA to establish the HPC-centre for Astronomy in Thailand.

*) DFAT Department of Foreign Affairs and Trade



ICRAR

- Launched September 1 2009 as an unincorporated joint venture of The University of Western Australia and Curtin University
- Cash resources 2009-2014
 - State Government: \$20 million
 - Curtin University: \$10.5 million
 - UWA: \$3.7 million
- In kind (UWA+Curtin): \$65 M
- Competitive grants: \$40 M
- Total Resources 2009-14 : \$140 M

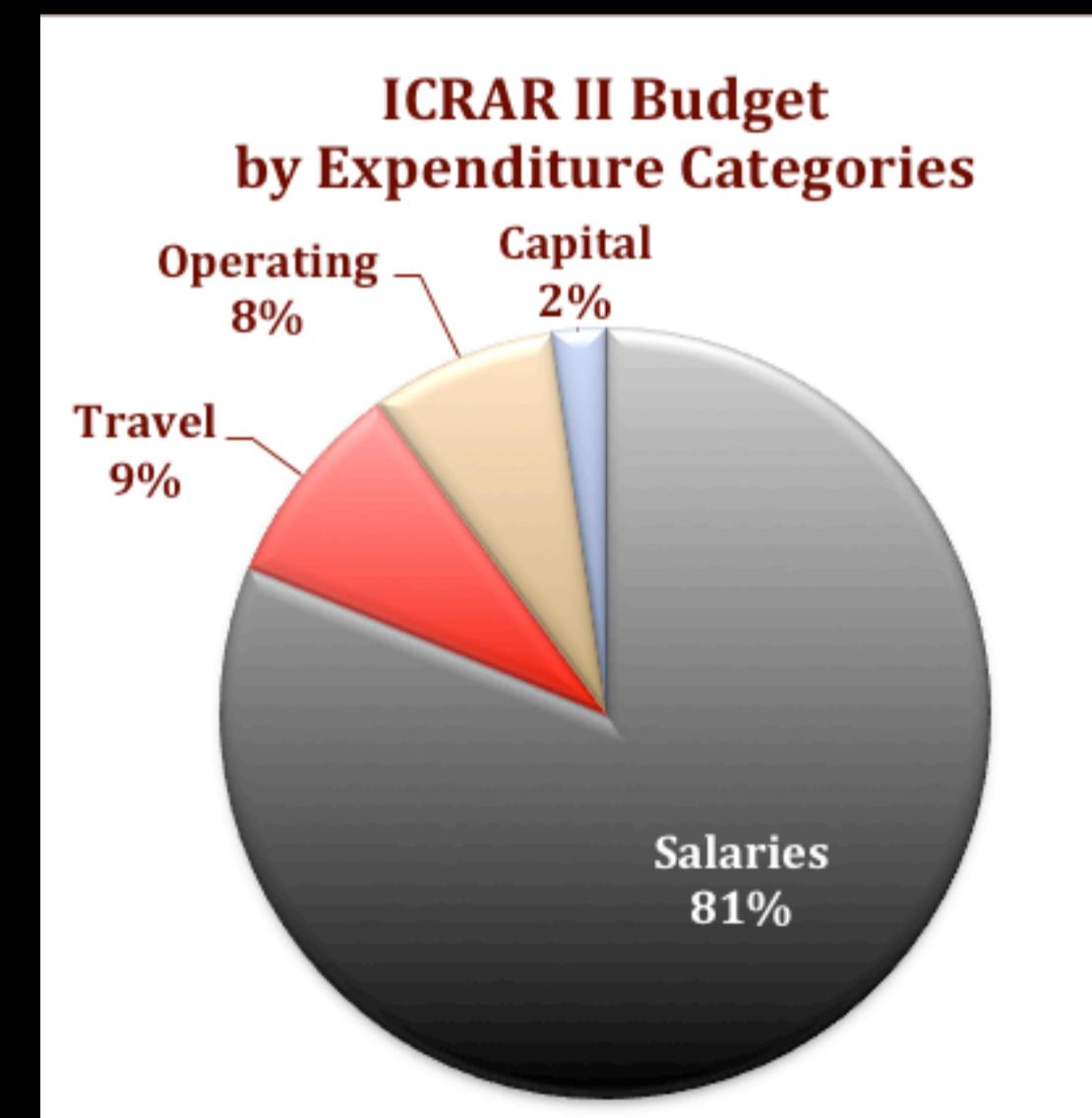
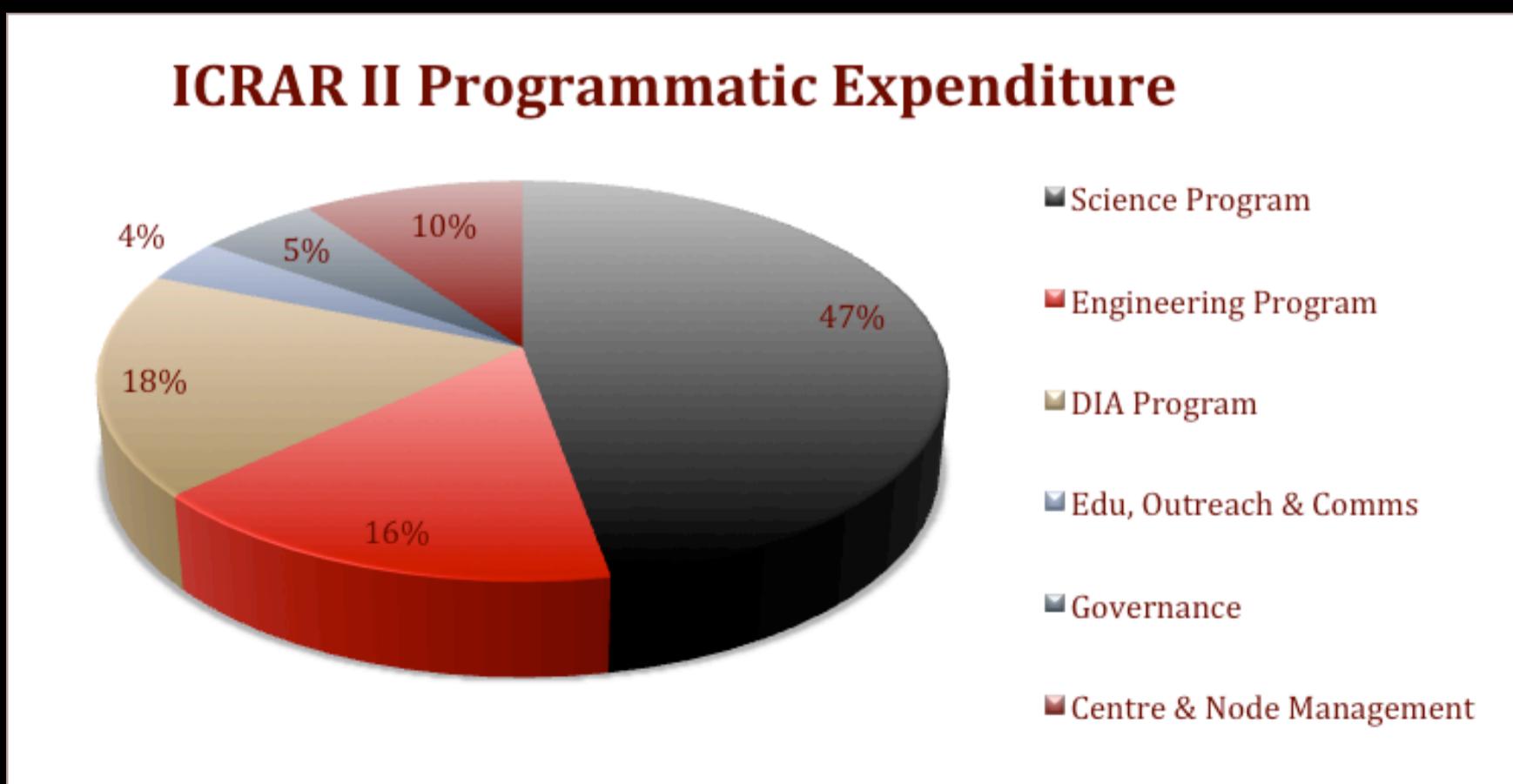




ICRAR II : \$52M 2014-2019

\$26M in State funding for ICRAR over 6 years announced on 16 August 2013 by WA Premier and Science Minister Colin Barnett

Curtin and UWA contributions of cash and new staff positions starting in 2014: \$26M





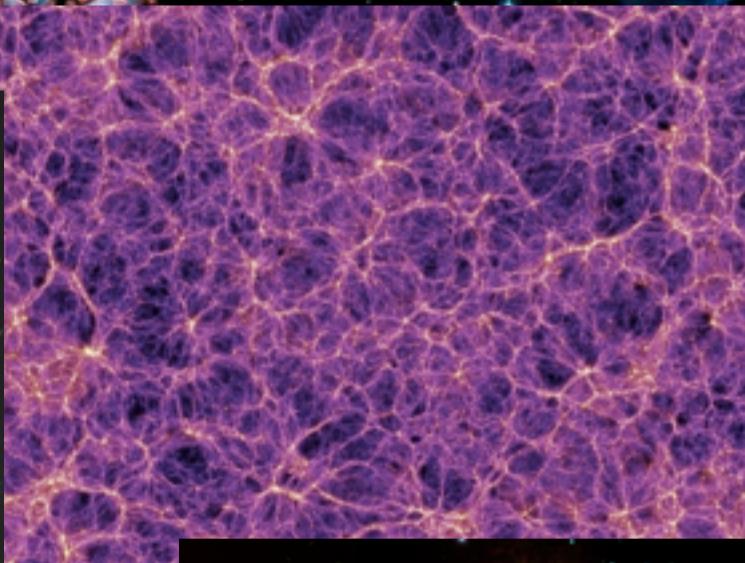
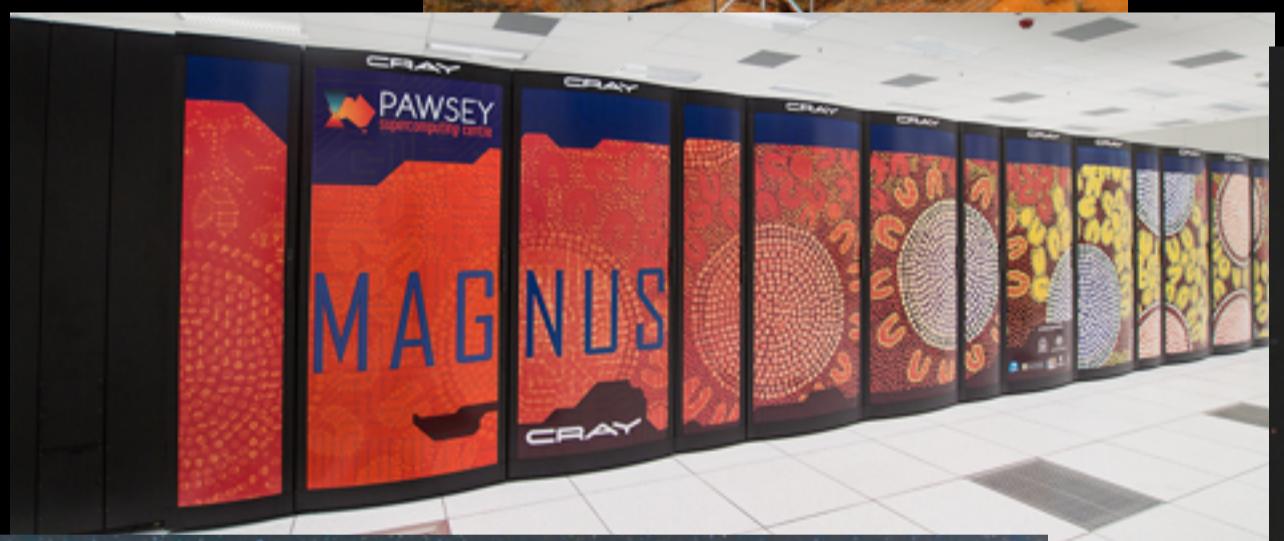
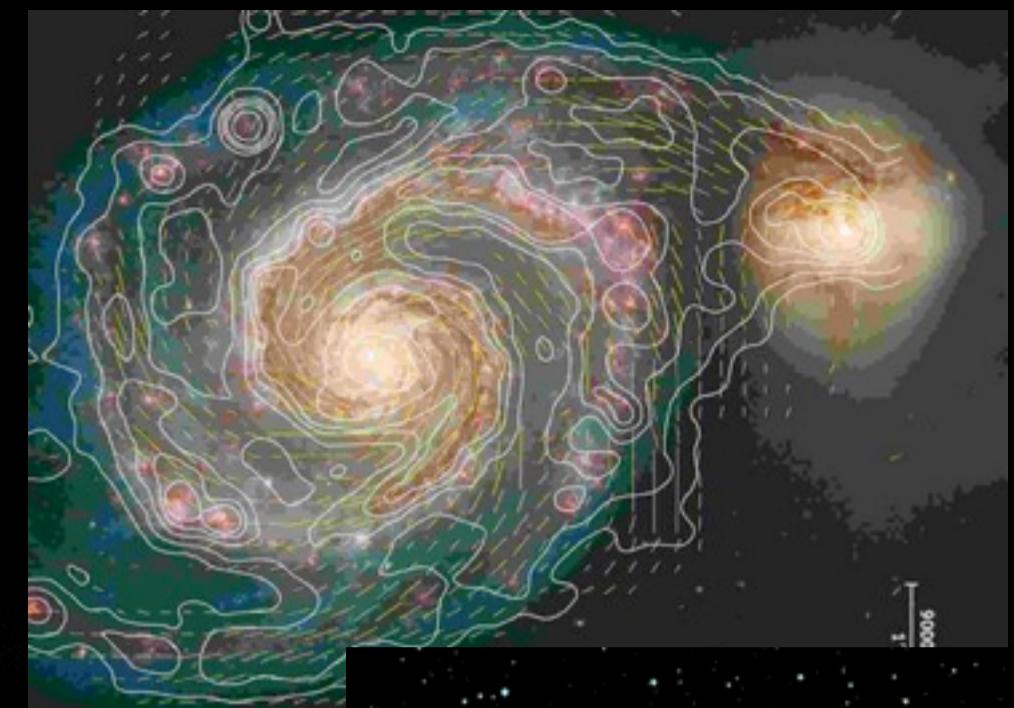
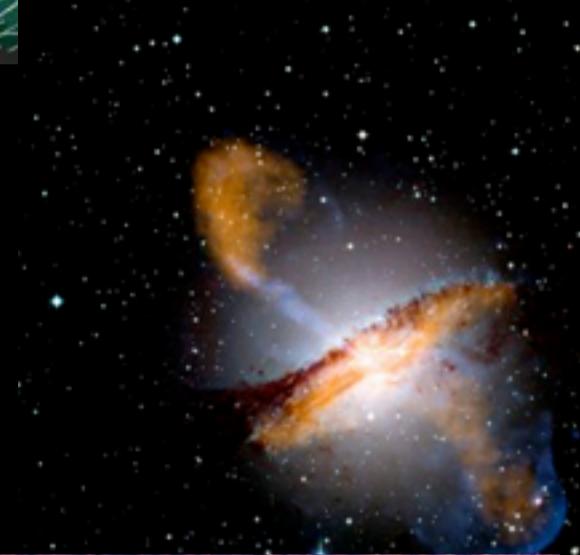
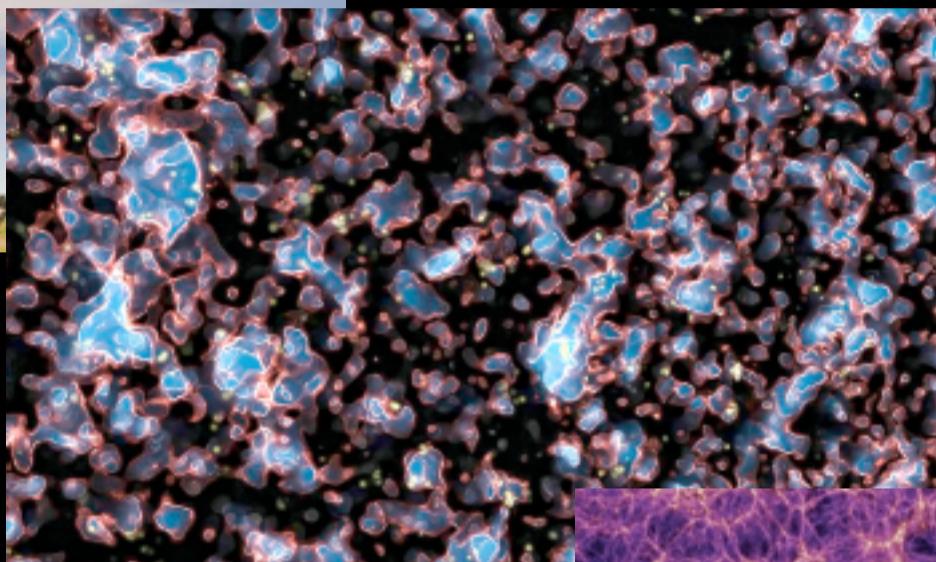
ICRAR

1. 2016, 100 staff and 50 students -
2. \$125M 2014-19
3. Ranked in top five world centres in radio astronomy
4. Astronomy, Engineering and Data Science projects
5. SKA pre-construction contracts for LFAA, CSP and SDP : \$14M



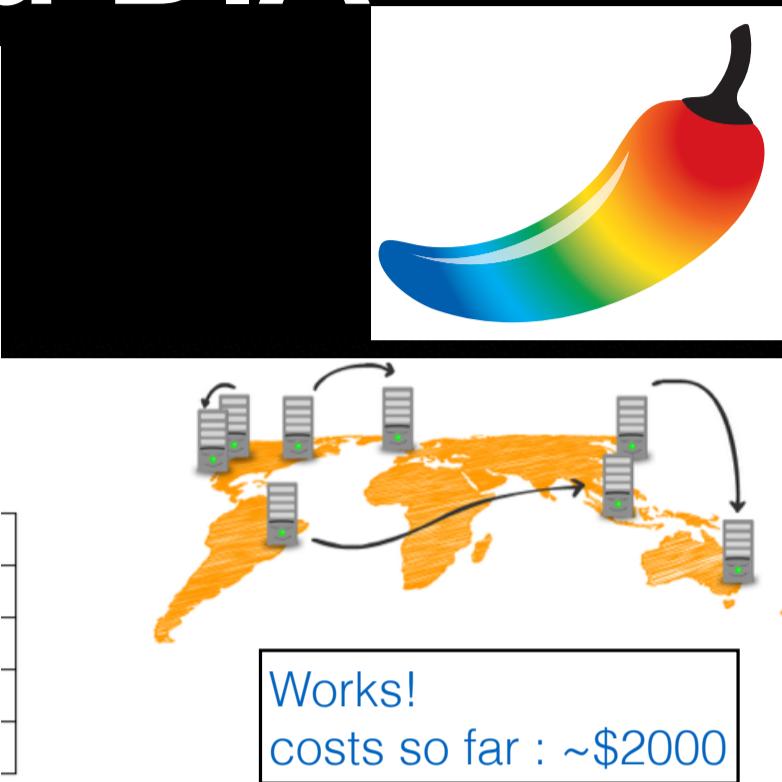
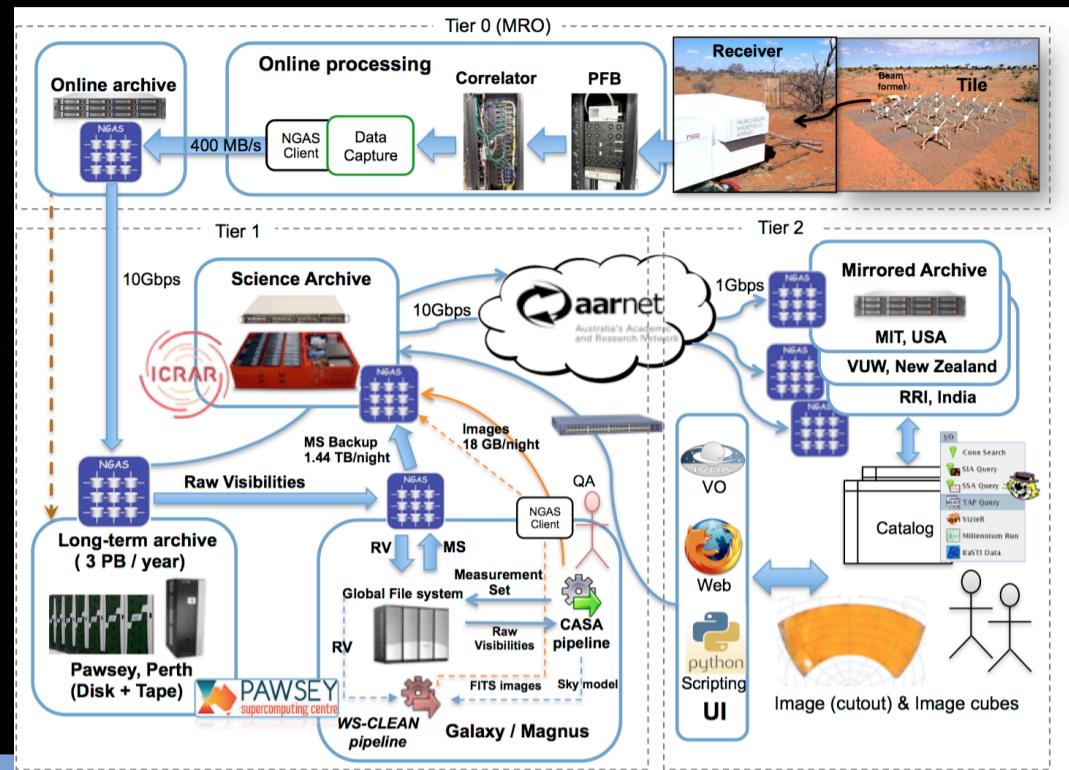


ICRAR Research

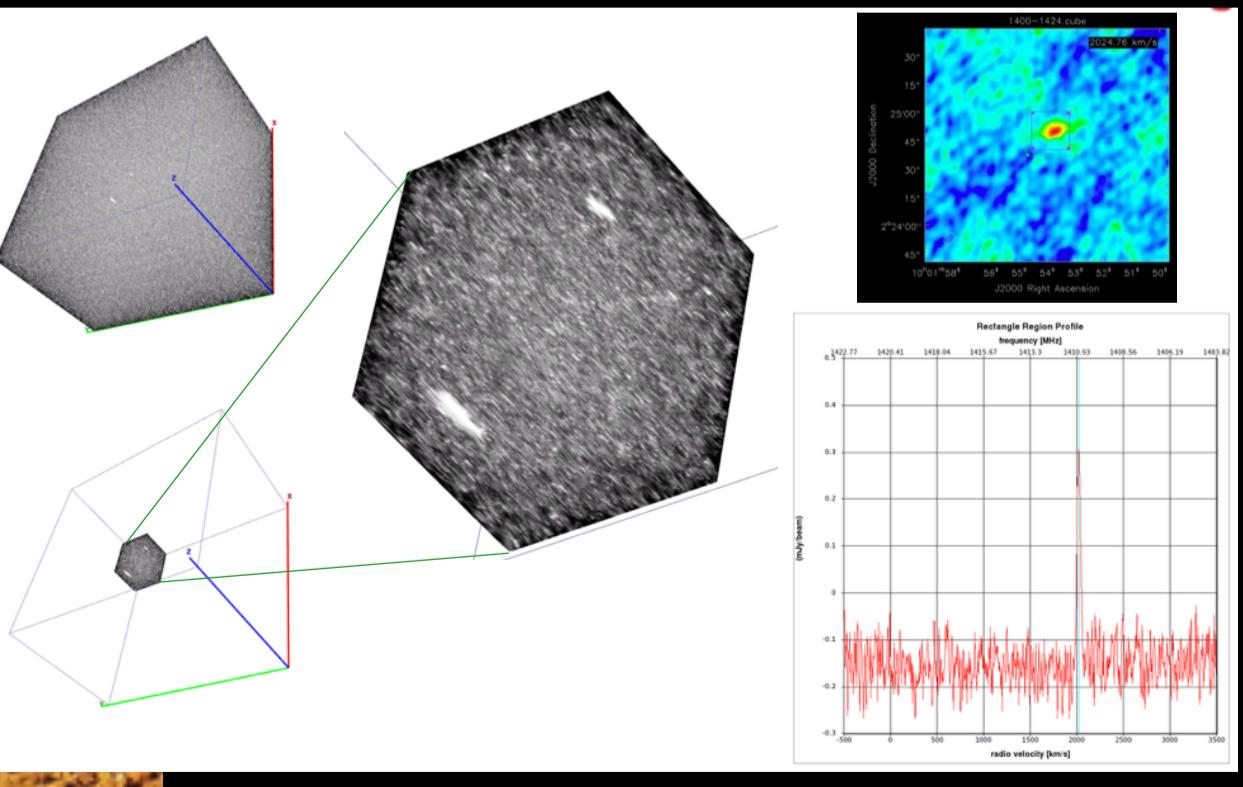
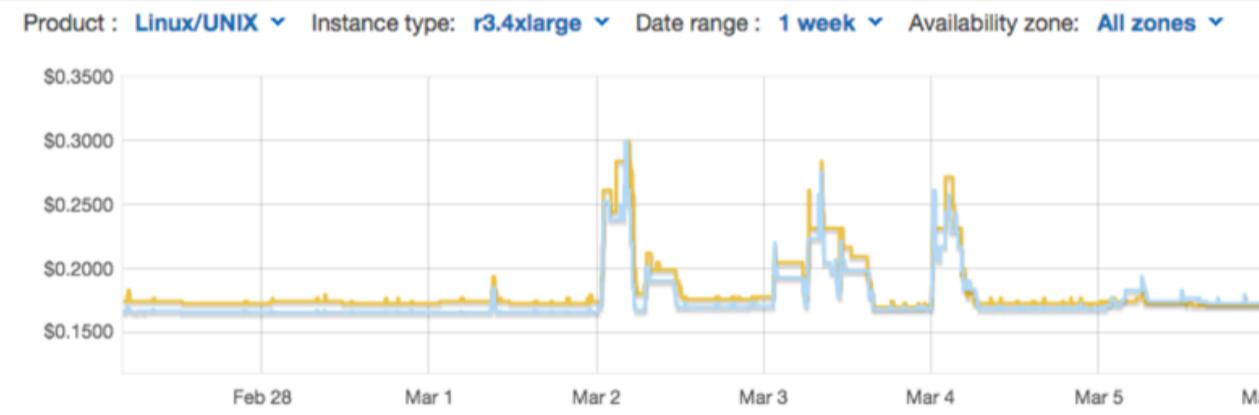




Doing great Engineering and DIA



Spot Instance Pricing History





Data Intensive Astronomy

ICRAR
System Support

GLEAM
MWA Survey

SKA
SDP Contribution

CHILES
JVLA Survey

GAMA
Multi-Wavelength Survey

WALLABY
ASKAP Survey

ICRAR
DIA Program

DINGO
ASKAP Survey

EMU
ASKAP Survey

MWA
Archive Implementation

New Projects

theSkyNet
Citizen Science

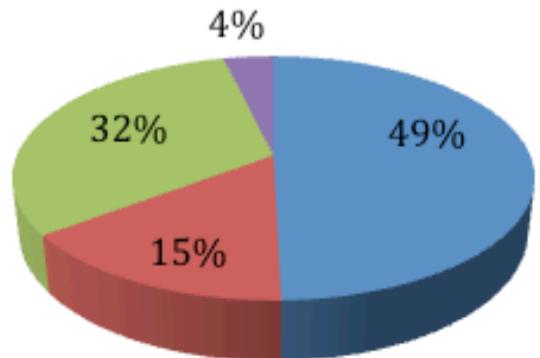


Education and Outreach



**ICRAR Reaching Out to over
25,000 People in 2010 and 2011**

■ Schools ■ University ■ Community ■ Industry



**2009-2018
140,000 people**

