



University of Western Australia

Curtin University

ICRAR

International
Centre for
Radio
Astronomy
Research



Key Milestones

ICRAR was founded to help build and develop the Square Kilometre Array (SKA), the world's largest radio observatory.

2009

ICRAR LAUNCHES
CURTIN AND UWA FORM A
JOINT VENTURE FOR RADIO
ASTRONOMY RESEARCH



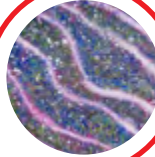
2011

100 PUBLICATIONS
ICRAR ACHIEVES ITS
FIRST 100 PUBLICATIONS



2010

ILGARIJIRI ART EXHIBITION
'THINGS BELONGING TO THE
SKY' LAUNCHES AND TOURS
WORLDWIDE



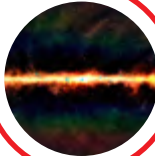
2012

SKA AUSTRALIA
AUSTRALIA ANNOUNCED AS
A HOST COUNTRY FOR SKA



2016

GLEAM SURVEY
MWA DELIVERS AN
AWE-INSPIRING IMAGE
OF THE RADIO SKY



2014

DESIGNING SKA'S 'BRAIN'
ICRAR CONTRIBUTES TO
THE DESIGN OF THE CENTRAL
DATA PROCESSOR



2015

**START SKA
PRE-CONSTRUCTION**
DESIGNING THE SKA
TELESCOPE BEGINS



2013

**MURCHISON
WIDEFIELD ARRAY**
MWA IS THE FIRST SKA PRECURSOR
TO BE FULLY OPERATIONAL



2017

**SYNCHRONISATION SYSTEM
DESIGNS**
AN OPTICAL FIBRE-BASED
SYNCHRONISATION SYSTEM FOR SKA-MID



2019

SUMMIT DATA RUN
TESTING DATA PIPELINES FOR
SKA-LOW WITH THE WORLD'S
BIGGEST SUPERCOMPUTER



2018

FIRST RADIO BURSTS
ICRAR-LED TEAM DOUBLES THE
NUMBER OF FRBS WITH WA'S ASKAP



2020

**AAVS2.0 DEPLOYED AND
OPERATIONAL**
A PROTOTYPE STATION FOR
SKA-LOW COMPRISING 256 XMAS
TREE-SHAPED ANTENNAS



2023

**ESTABLISHING SKA
REGIONAL CENTRE**
\$63 MILLION AusSRC JOINT
VENTURE AGREEMENT SIGNED.



2022

**SKA CONSTRUCTION
COMMENCES**
ICRAR JOINS SKAO IN
CONSTRUCTION
COMMENCEMENT CEREMONY



2021

**SKA CONTRACTS
SIGNED BY ICRAR**
DATA PROCESSING SOFTWARE,
FREQUENCY DISTRIBUTION SYSTEM AND
POWER AND SIGNAL DISTRIBUTION



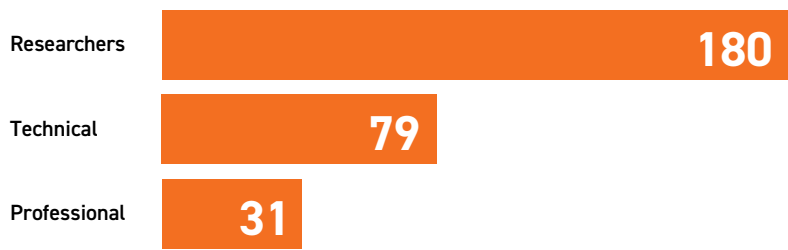
Growth & Achievements

September 2009 to June 2023

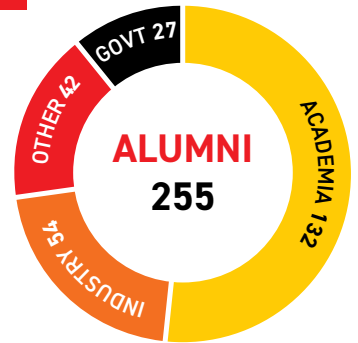
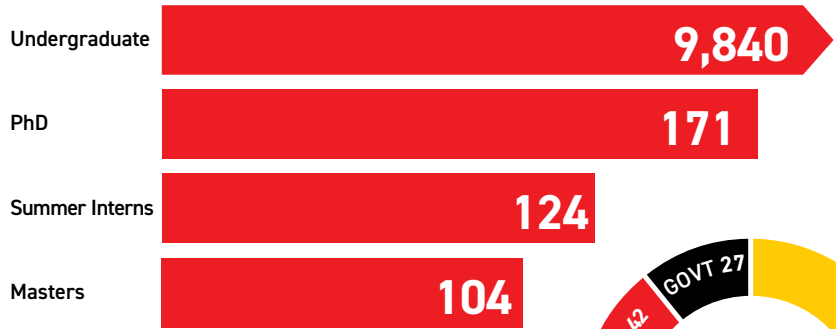


1 ARC Laureate Fellow
3 ARC DECRA Fellows
15 ARC Future Fellows
3 Super Science Fellows
5 Forrest Fellows
 Competitive National Awards

STAFF 290



STUDENTS 10,239



Since launch...



Pleiades Awards
 2023, 2021 & 2019
 Inclusion, Diversity and Equity Awards



Women in STEM
 Decadal Plan Champion



Science and Technology Australia
 Superstars of STEM (2019–2023)



2,000+ visitors from 50 countries



2,962 refereed papers



113,000 citations for ICRAR-authored papers



48,285 hours of telescope time awarded



105.8 million hours of supercomputer time awarded



\$138.3 million won in external grants

Translation & Impact

Our researchers are translating ICRAR's expertise to enable a broad range of capabilities in other sectors and industries in WA and beyond.



Outreach, Education and Communications

201,063
people participating in ICRAR's
community and school programs

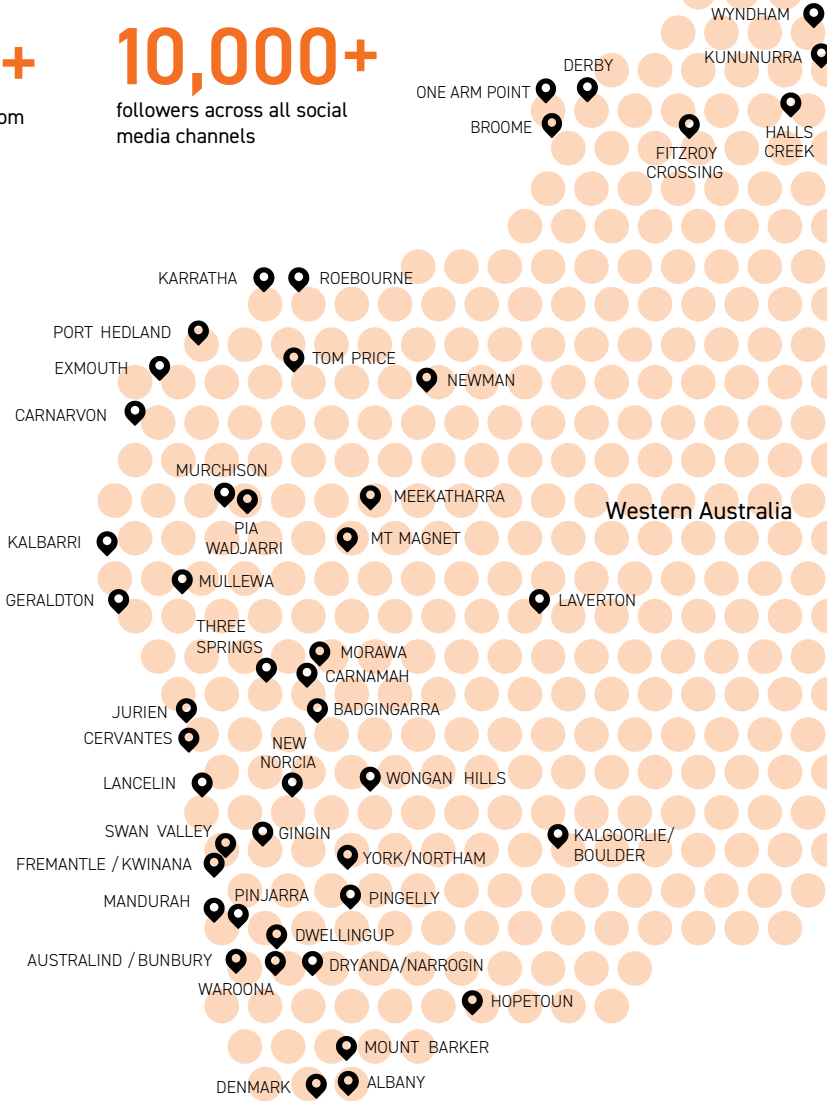
53million
estimated audience reading
ICRAR related stories

52
regional towns visited

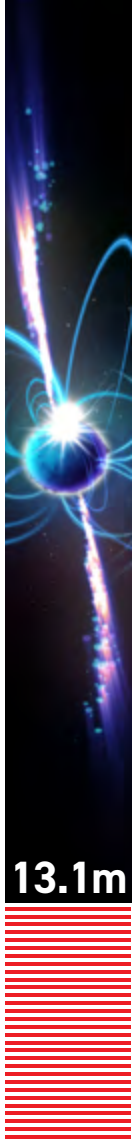
682,000+
visitors to the ICRAR website

23,000+
news articles generated from
ICRAR media releases

10,000+
followers across all social
media channels

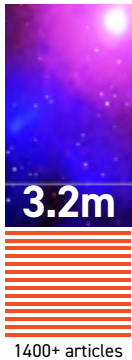


Jan 27, 2022



Estimated Audience (million people)

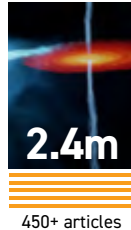
Feb 28, 2020



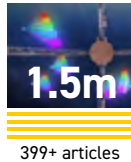
July 21, 2023



Feb 19, 2021



May 27, 2020



Top Five Media Releases of All Time

1. Mysterious object unlike anything astronomers have seen before.
2. Astronomers detect biggest explosion in the history of the Universe.
3. Hiding in plain sight, astronomers find new type of stellar object.
4. First black hole ever detected is more massive than we thought.
5. Cosmic bursts unveil Universe's missing matter.

NUMBERS RELEVANT FROM SEPTEMBER 2009 TO JUNE 2023.