



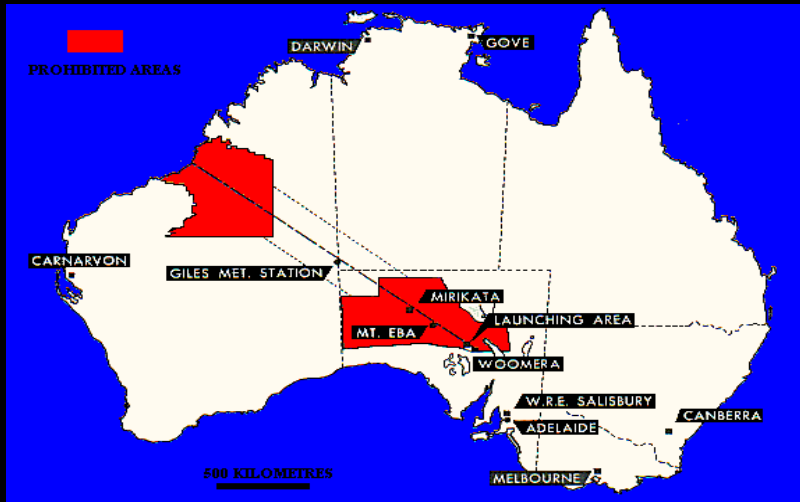
An Australian Space Story

Michael Davis AO

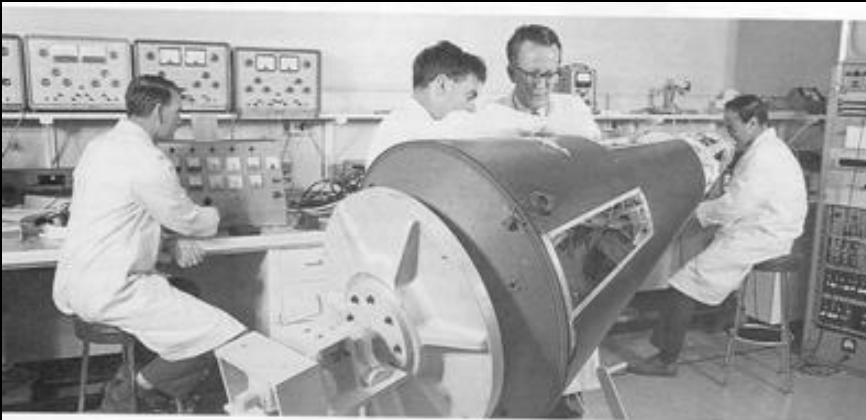
Chair, The Andy Thomas Space Foundation
Australia

Presentation to 13th Virtual UNISEC-Global Meeting
18 September 2021

Australia in Space -Beginnings



Launch of WRESAT from Woomera 29 November 1967



Apollo 11 - 21 July 1969





Photo NASA: Neil Armstrong working at the Modular Equipment Stowage Assembly. This is the only high resolution photo of Armstrong on the Moon.

'We came in peace for all mankind'



1946 – Arthur C Clarke:

There must be an upper limit to national sovereignty because otherwise “in the course of a day, [on a rotating globe] every country will lay claim to a large portion of the Universe!”

1949 – British Interplanetary Society:

"the Moon is not their [the US Government's] property...it is the common heritage of man."

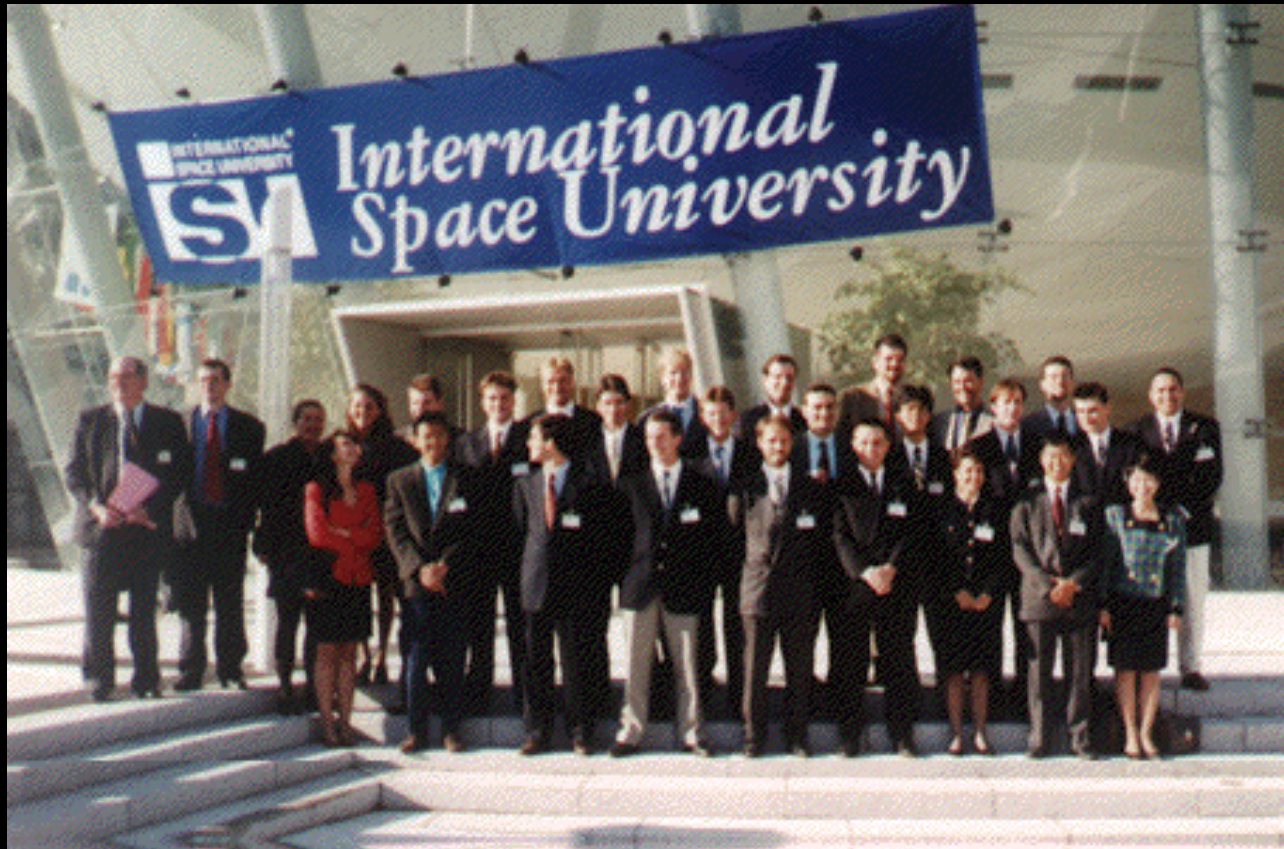
1957 – Sputnik1

1963 – UN General Assembly:

Declaration of Legal Principles Governing the Activities of States in the Exploration and Use of Outer Space

1967 – UN Outer Space Treaty

MSS1 Strasbourg – September 1995



ISU SSP Adelaide 2004



January 2011 - ISU/UniSA Southern Hemisphere Space Studies Program launched in Adelaide





International Astronautical Congress

25 - 29 SEPTEMBER 2017



Legacies of International Astronautical Congress 2017



- A growing interest in space on the part of governments, the media and the general public
- Industry and educational initiatives that started at or were inspired by attendance at the IAC
- The national benefits flowing from the commitment of the Commonwealth Government to establish a space agency.



Senator Simon Birmingham
Commonwealth Minister for Education
25 September 2017

'The case for establishing an Australian Space Agency is compelling and so I am pleased to announce today that the Australian Government will be establishing a national Australian Space Agency'



REVIEW OF AUSTRALIA'S SPACE INDUSTRY CAPABILITY

Report from the Expert Reference
Group for the Review

MARCH 2018



Sets out a national strategy to triple the size of the industry by 2030

Concluded that a National Space Agency is required:

- for national and international engagement
- to set national policy and strategy
- to facilitate industry growth
- to inspire the nation

Recommended:

- adequate long-term funding
- whole of government autonomy for the new agency



December 2018 – Australian Space Agency Lands in Adelaide!

Mission Control and Space Discovery Centres announced for Adelaide – March 2019





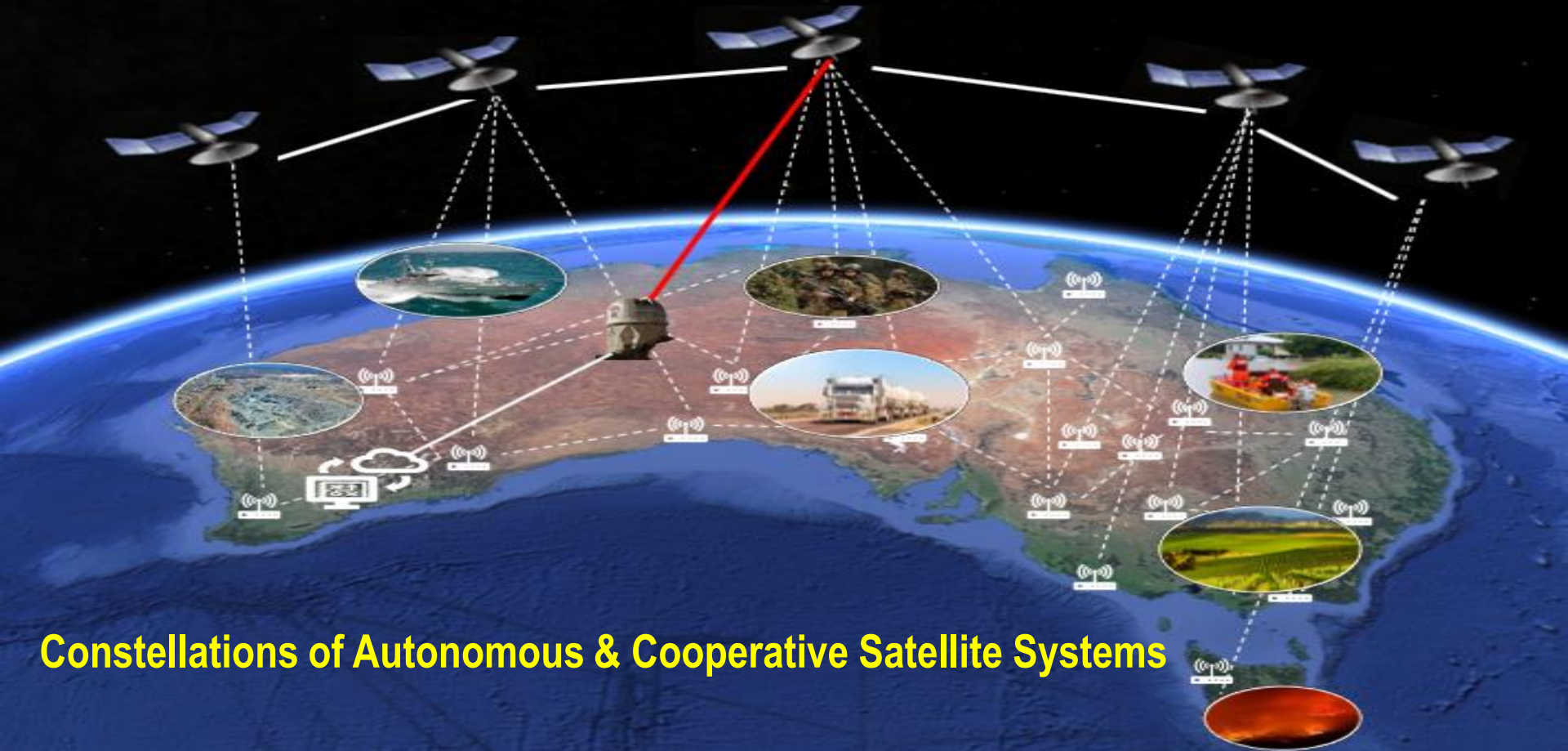
Australian Government
Department of Industry,
Innovation and Science

Business
Cooperative Research
Centres Program

The SmartSat Cooperative Research Centre

*'An Industry-University Collaborative
Consortium for R&D in Space Technologies'*

Emerging New Satellite Technologies: **AI on the Platform – Smart Satellites**



Constellations of Autonomous & Cooperative Satellite Systems



The Andy Thomas Space Foundation

- Charitable Foundation established in July 2020
- Named in honour of the first Australian citizen to fly in space
- Funded by grants, donations, fundraising from public and private sectors in Australia
- Over AUD200,000 in scholarships, awards and prizes 2021
- We conduct the Australian Space Forum every 6 months in Adelaide
- Bidding to bring back the International Astronautical Congress to Adelaide in 2024





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Australia in Space

KERRIE DOUGHERTY