



Australian Government



Australian
Space Agency

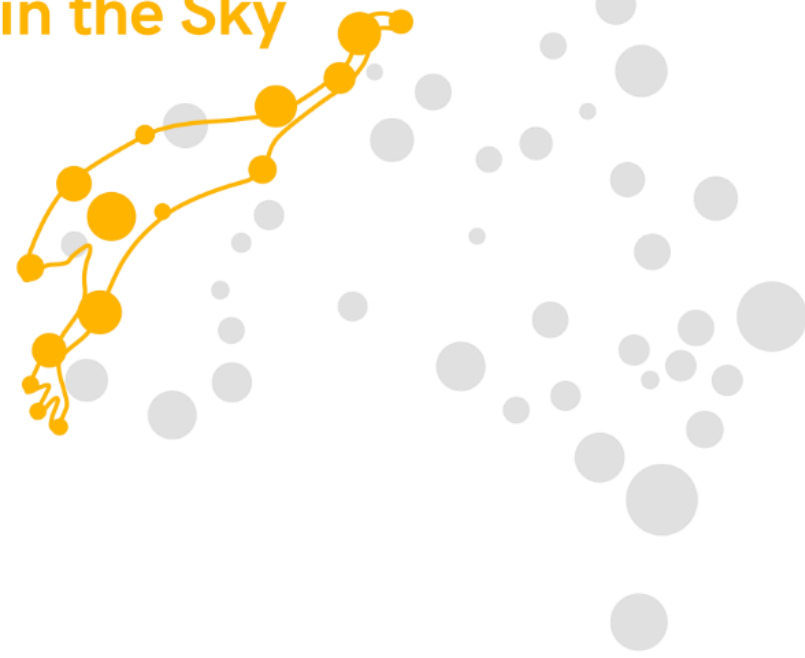
Australian Space Agency

Adam Seedsman
Executive Director, Strategy and Policy

25 October 2019

*The Australian Space Agency acknowledges the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture.
We pay our respects to their Elders past, present and emerging.*

Emu in the Sky



The Seven Sisters



Women in the Sky



Eagle's Footprint and Claw



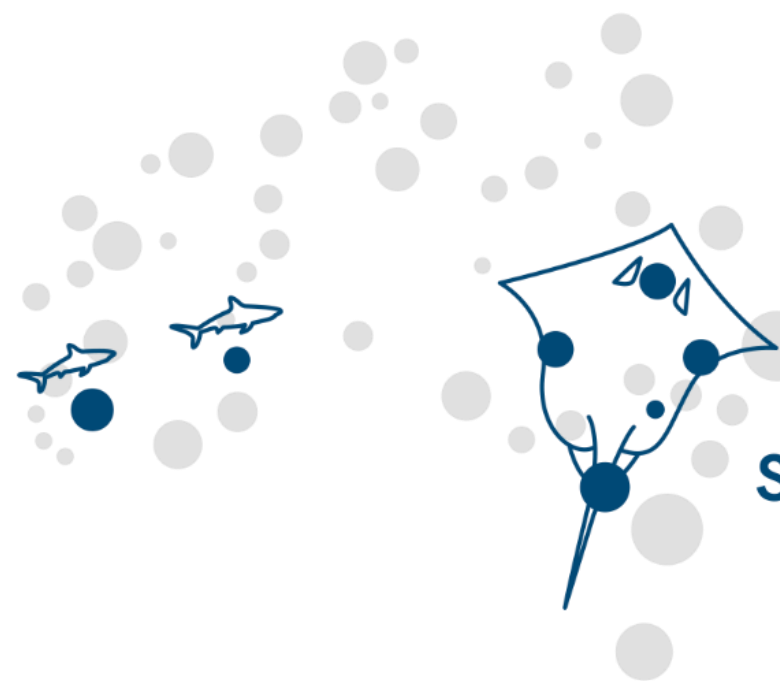
Australian Space Agency



The Three Brothers



Stingray Pursued by Sharks



Wanjel and Yuree Pursuing Purra



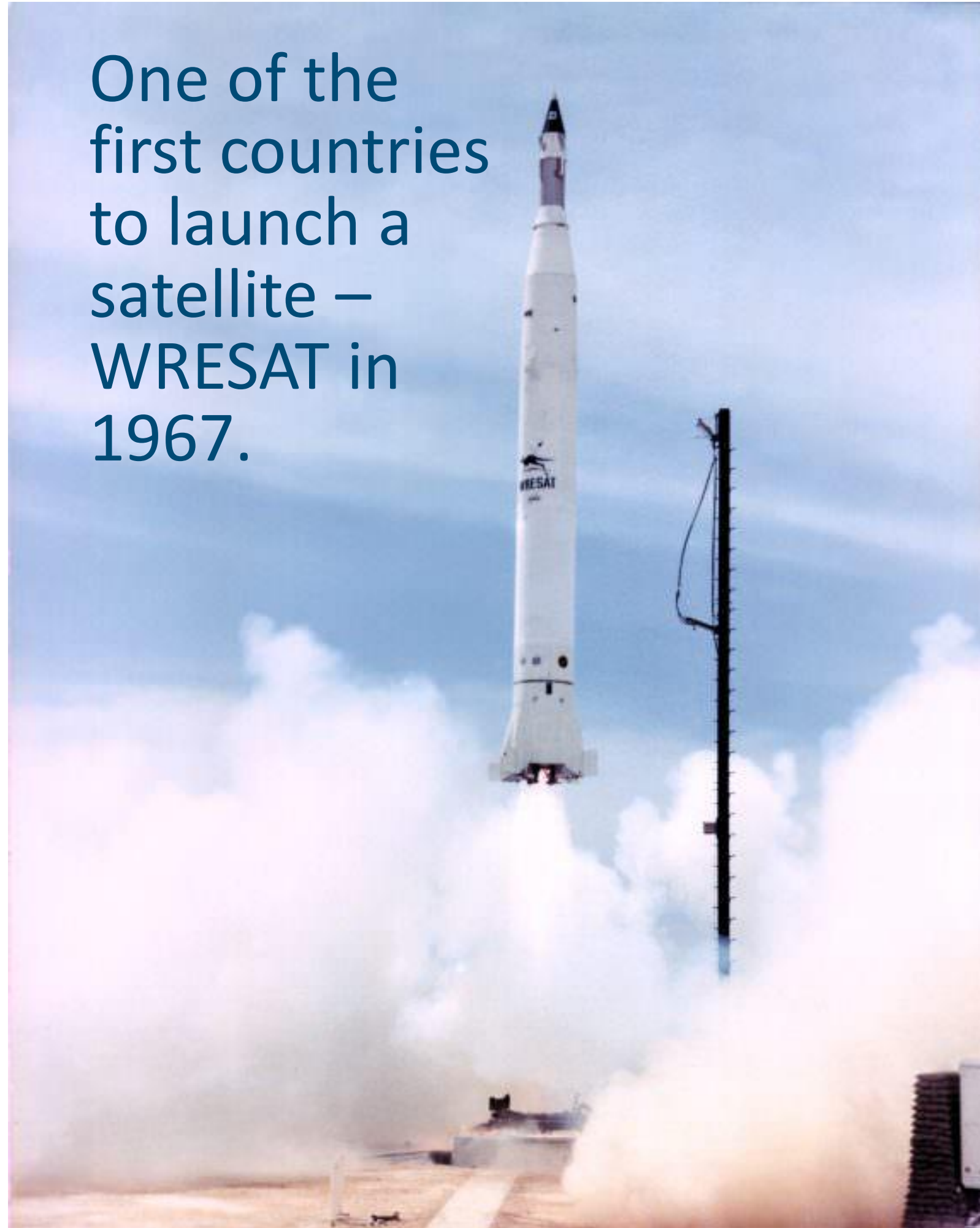
Ginan



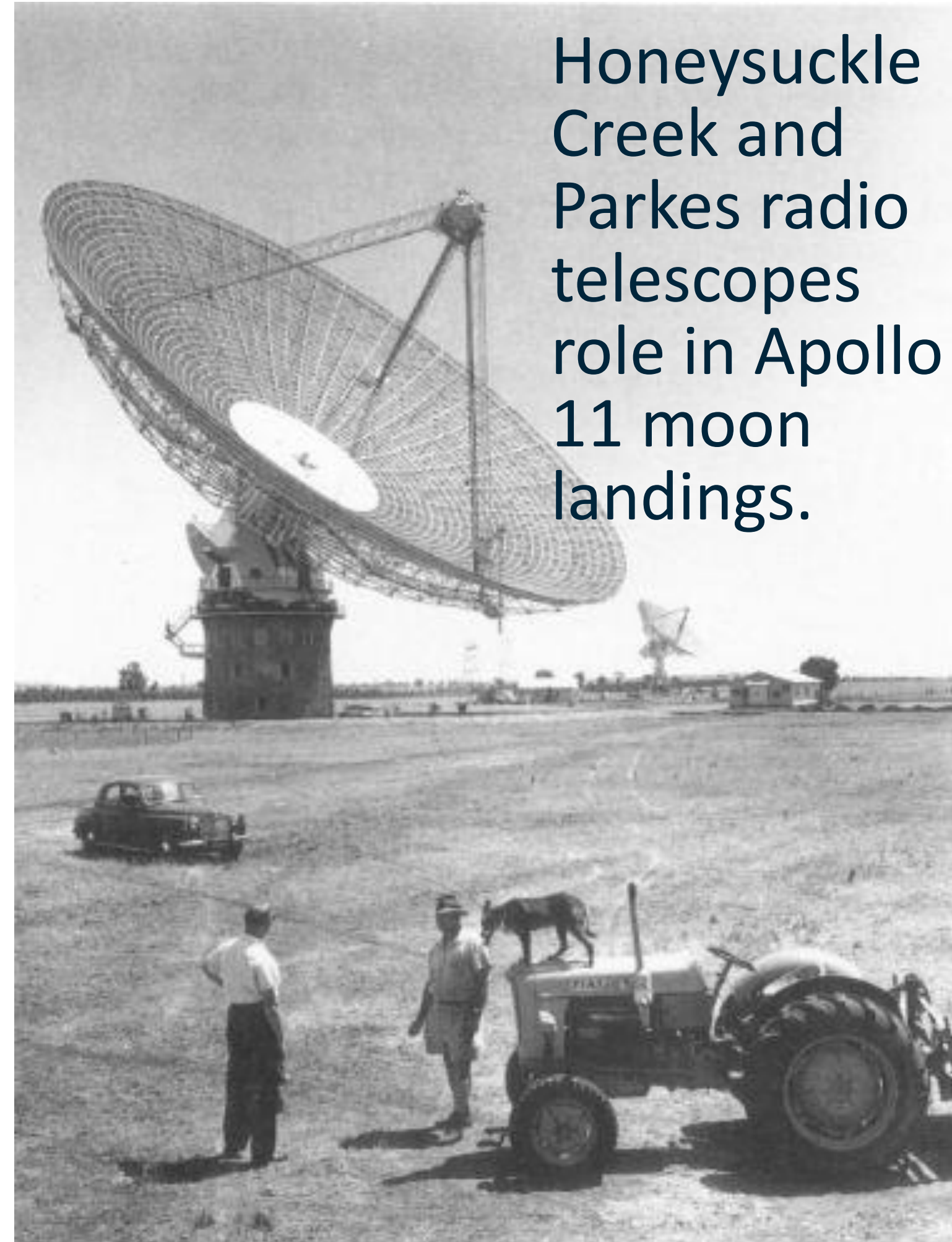
Australia's history in space



One of the first countries to launch a satellite – WRESAT in 1967.



Honeysuckle Creek and Parkes radio telescopes role in Apollo 11 moon landings.



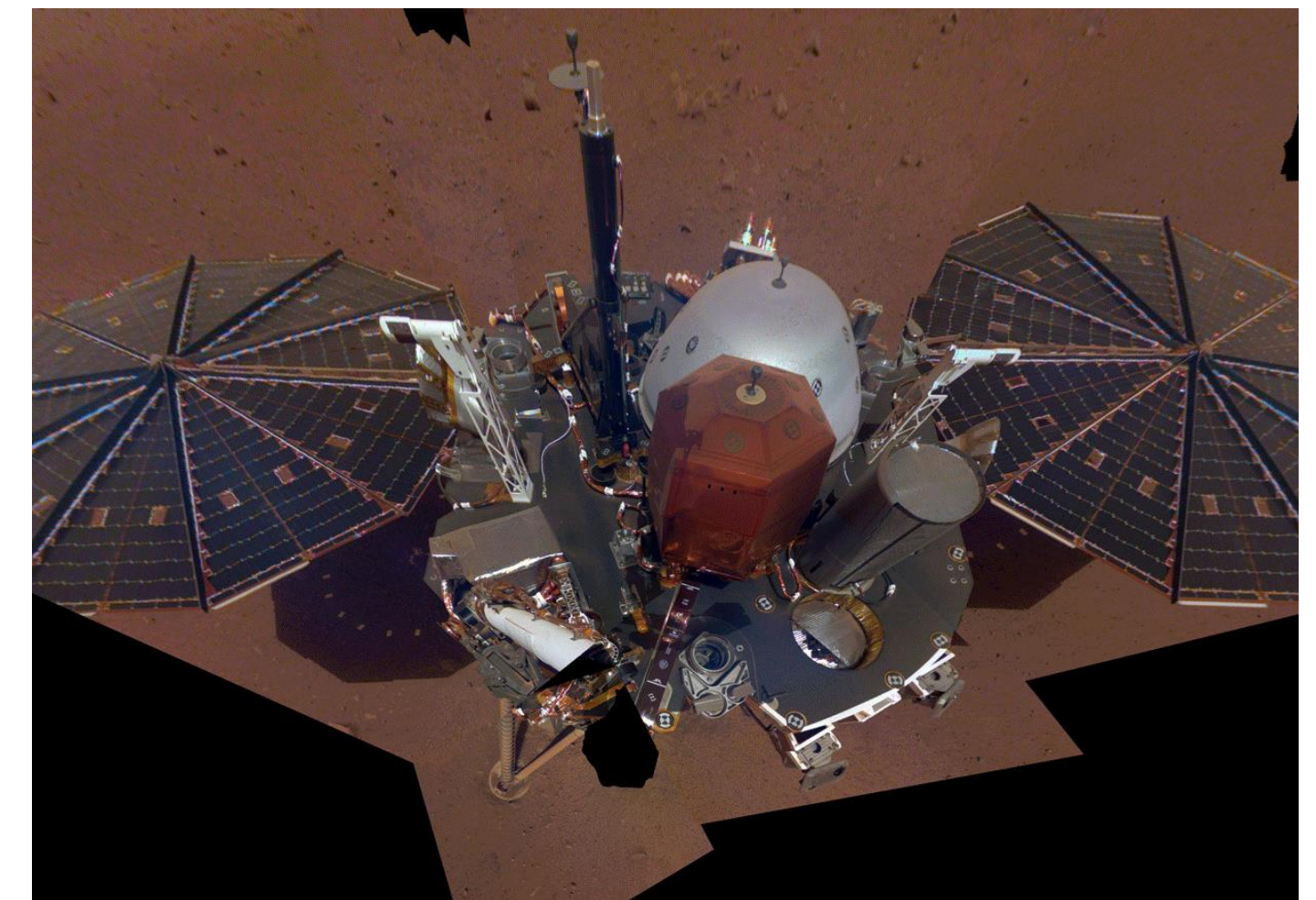
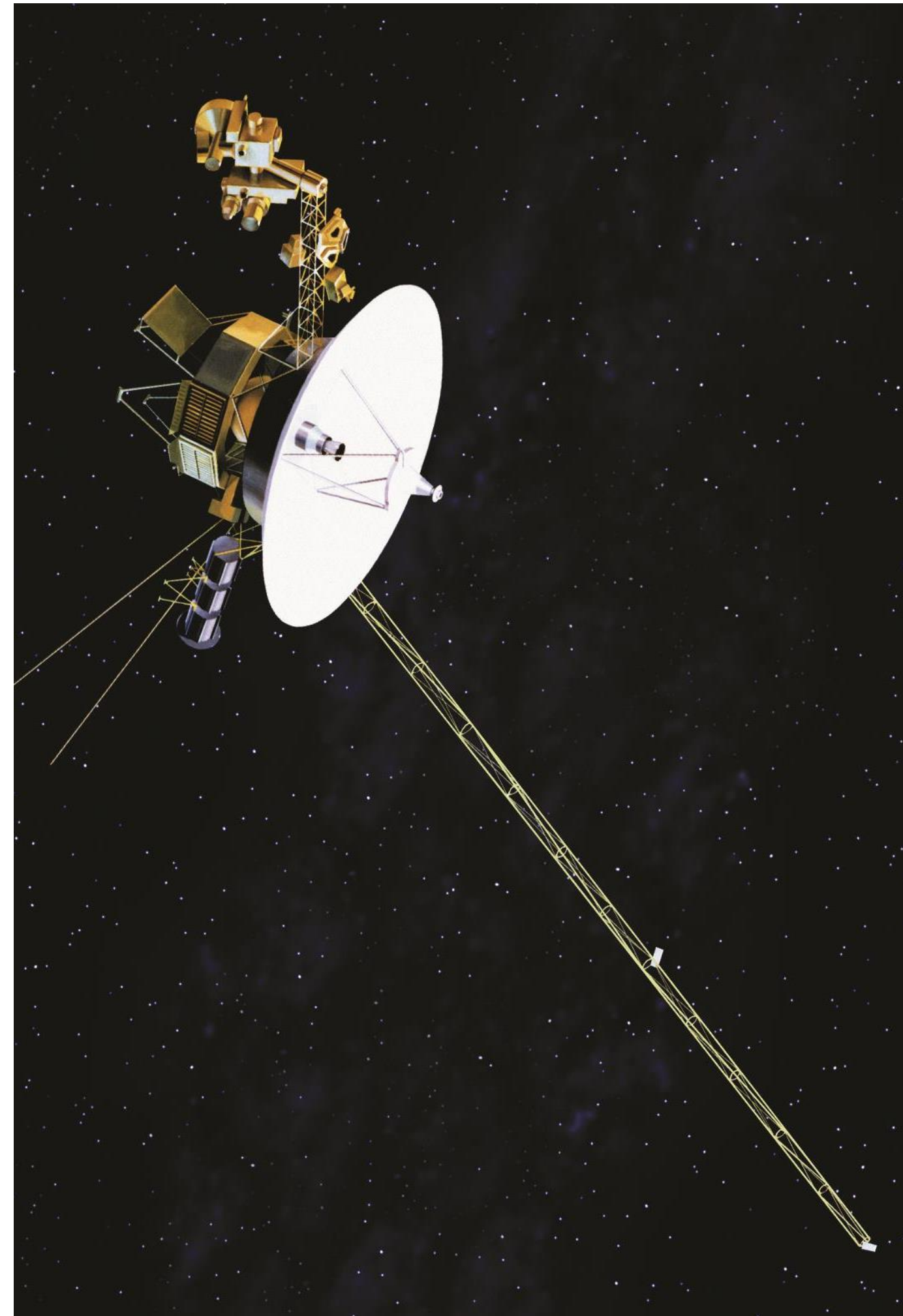
Contribution to science, research and technological developments to support NASA and ESA over many years



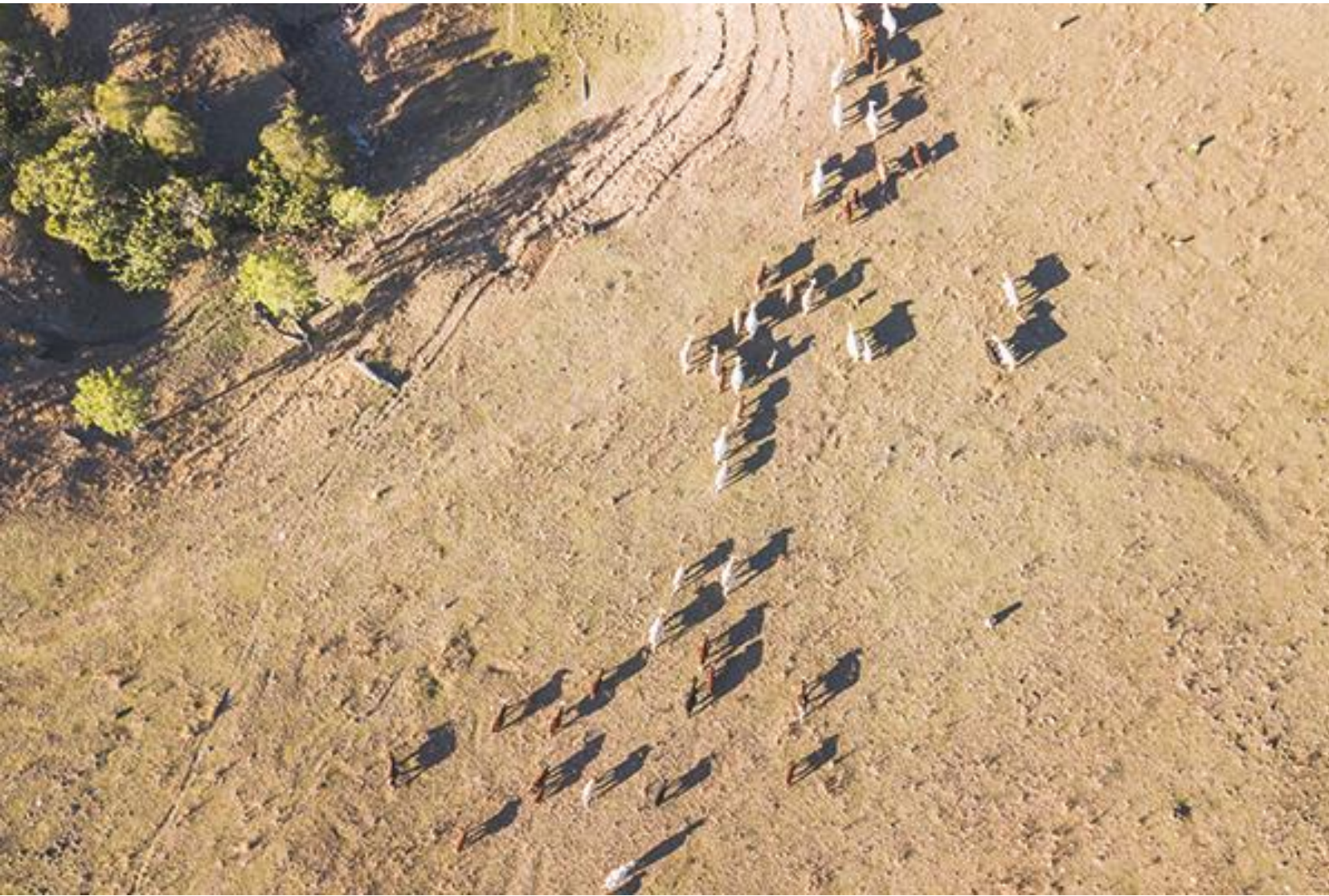
Space in the last year



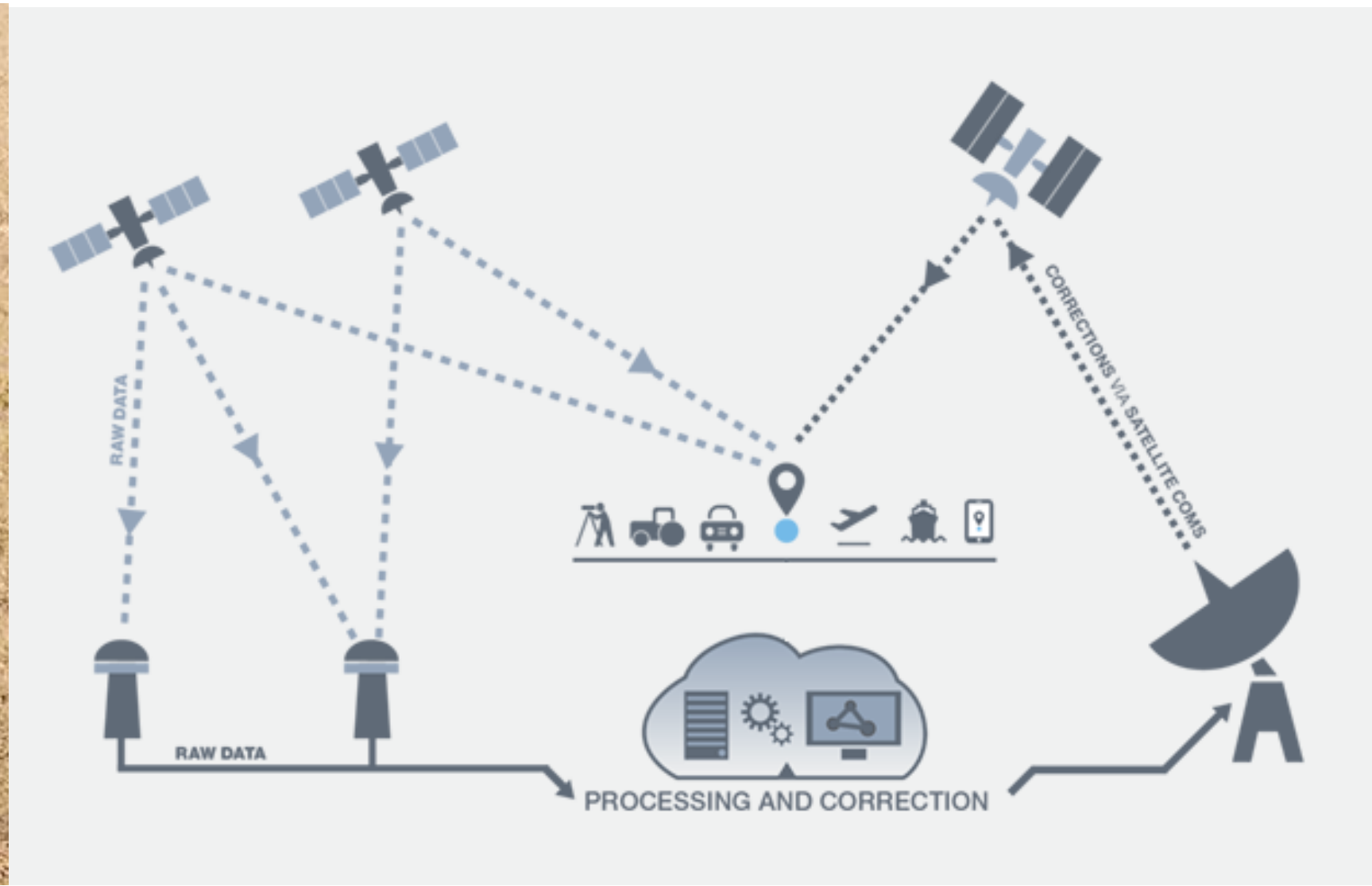
- JAXA Hayabusa 2 arrives at Ryugu
- NASA Voyager 2 enters interstellar space
- NASA InSight lands on Mars
- First image of a black hole
- Rocket Lab commences launches
- Virgin Galactic passes 89.9km altitude
- Beresheet and Vikram attempt moon landing
- SpaceX launches Starlink satellites
- UK starts work on new GNSS system
- Planet announces 50cm resolution



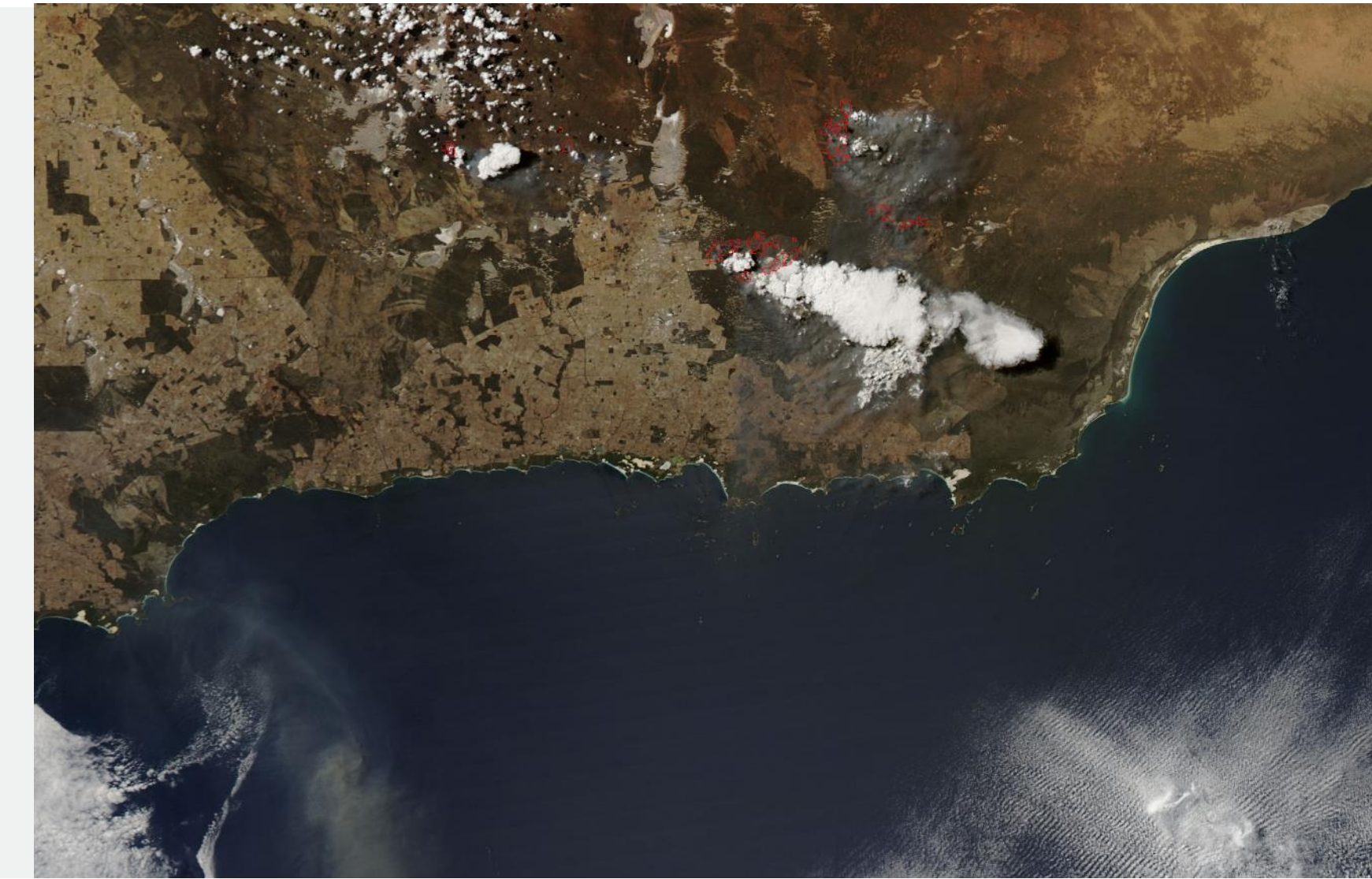
Real life impacts



Agriculture and farming



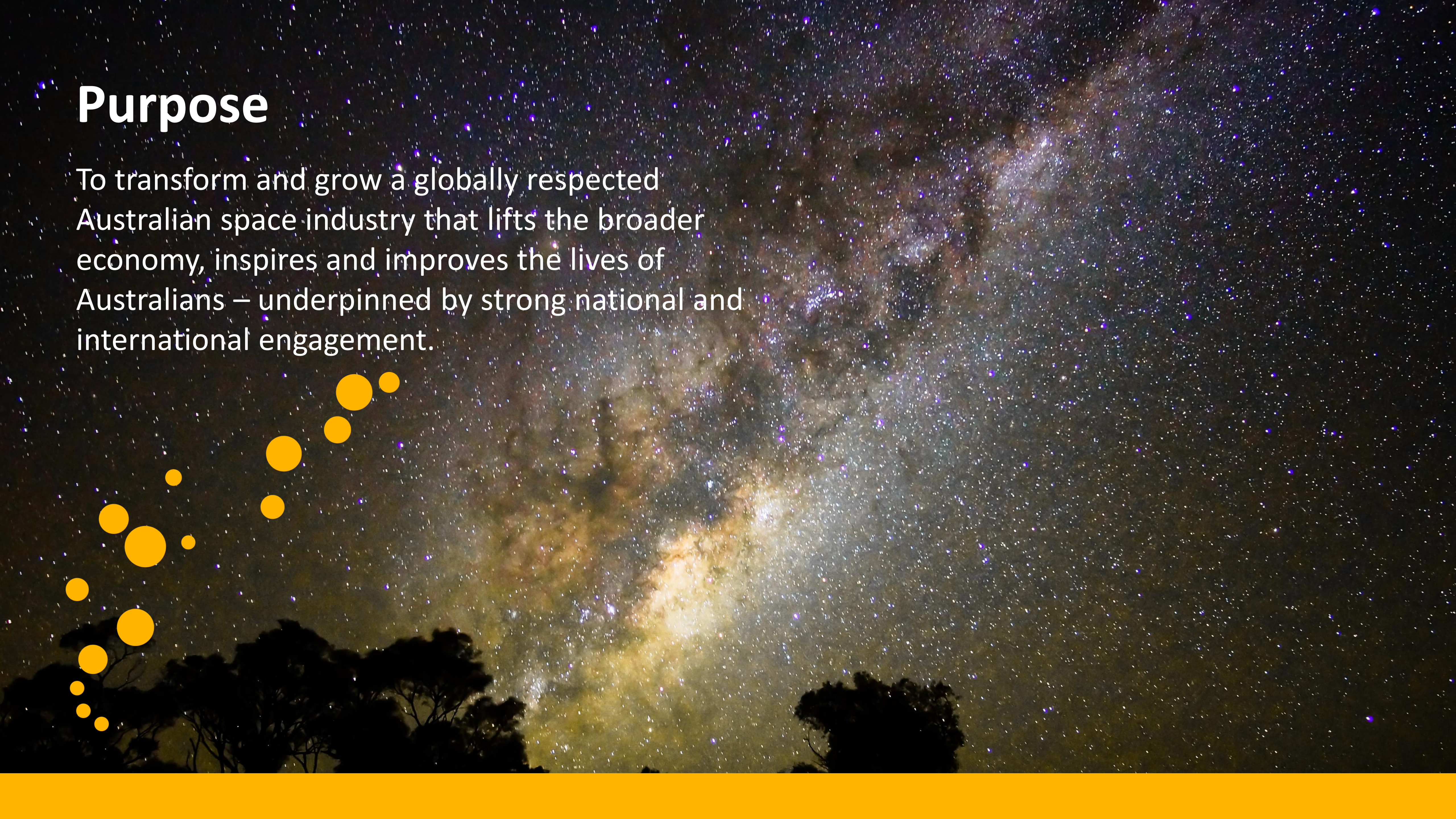
GPS and 'the blue dot'



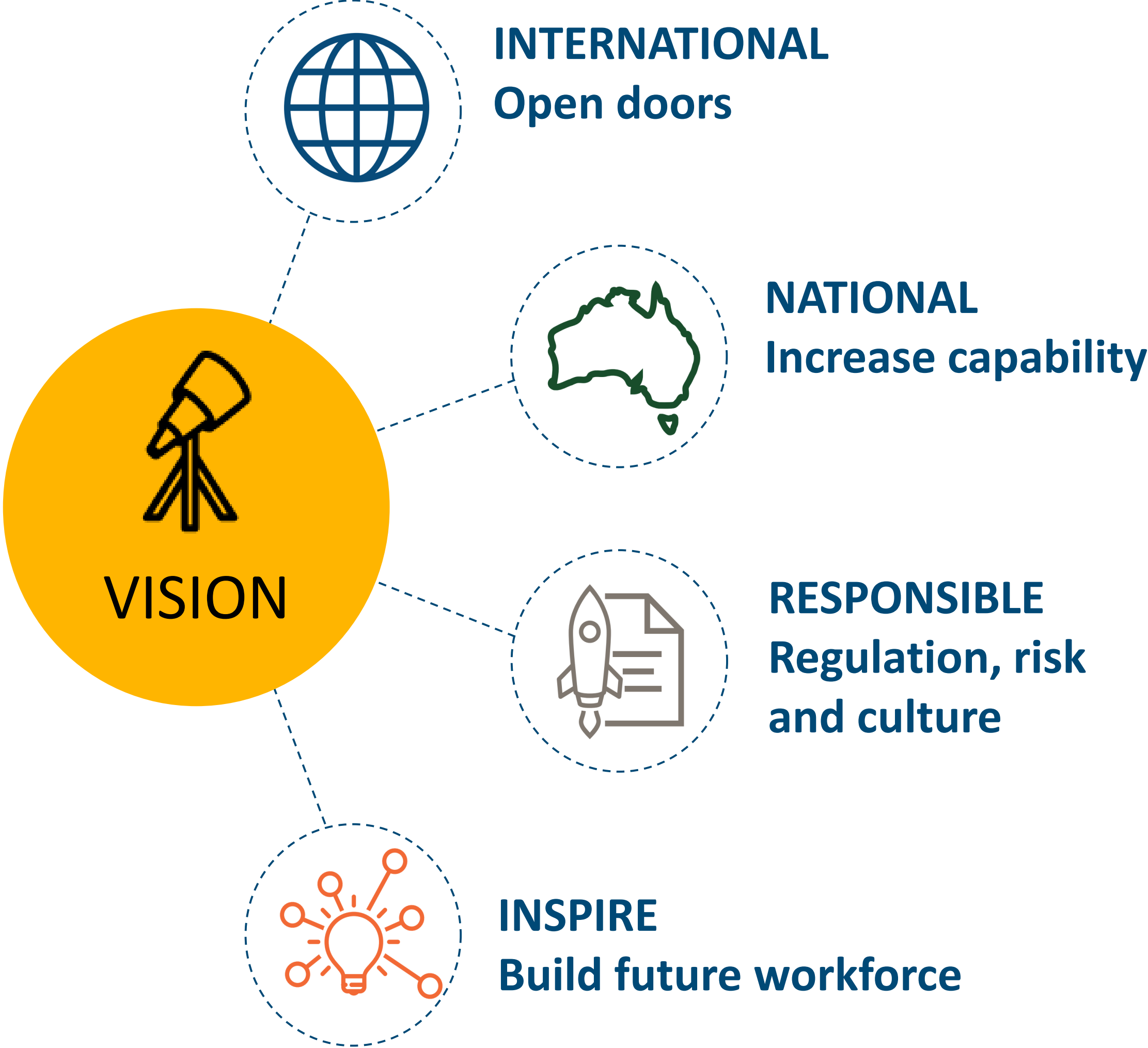
Emergency services management

Purpose

To transform and grow a globally respected Australian space industry that lifts the broader economy, inspires and improves the lives of Australians – underpinned by strong national and international engagement.



Australian Civil Space Strategy



Civil Space Priorities



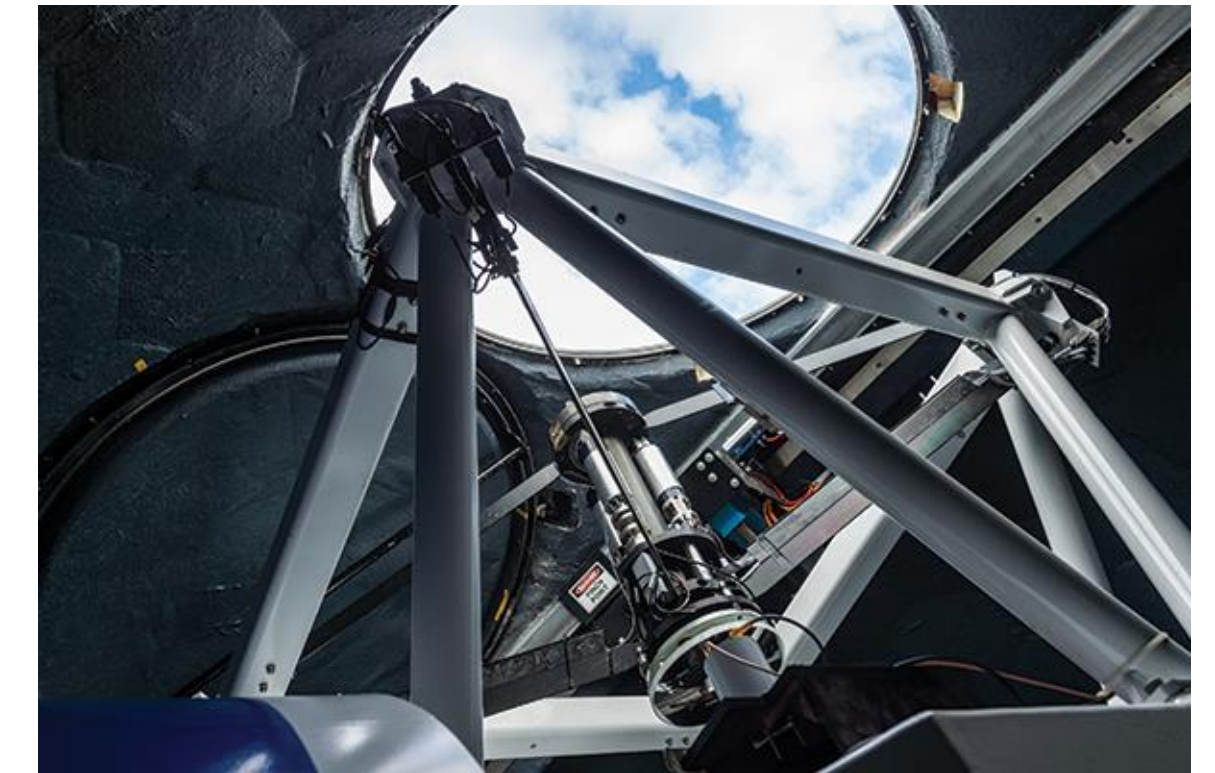
Positioning, navigation and timing



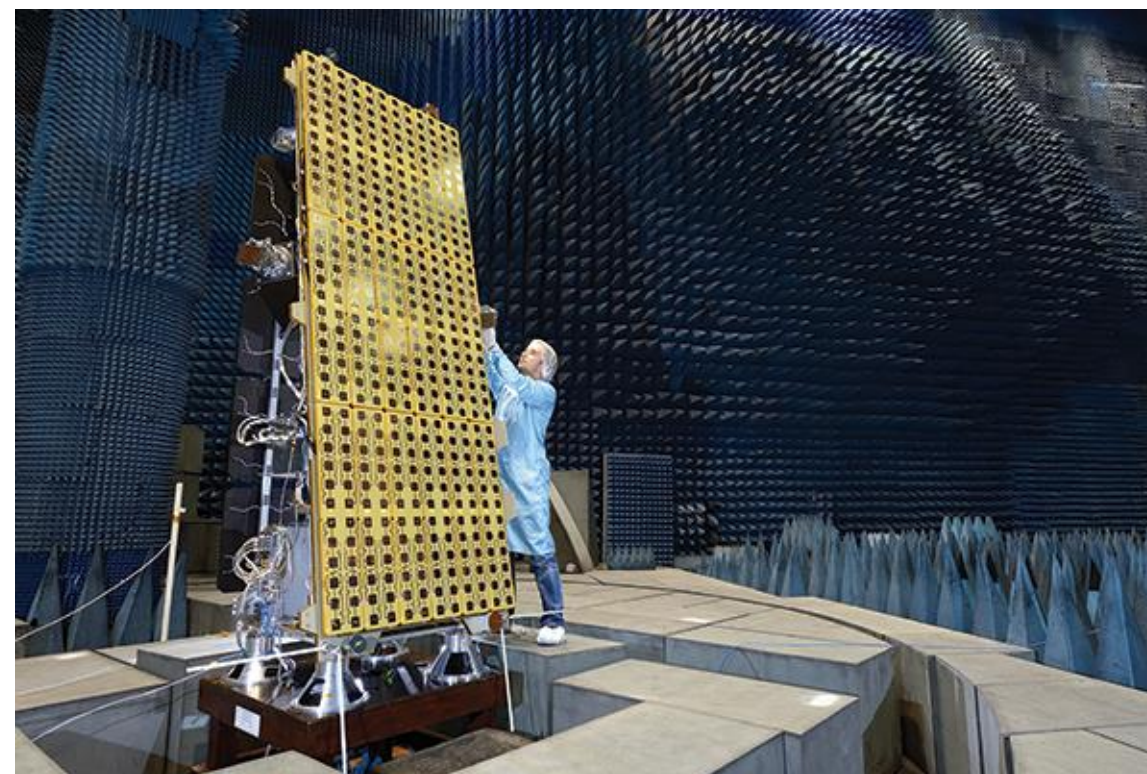
Earth observation



Communications technologies and services



Space situational awareness and debris monitoring



Leapfrog R&D



Robotics and automation



Access to space

Agency responsibilities and values

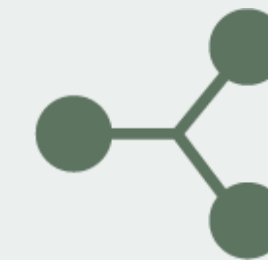


Responsibilities

- Provide policy and strategic advice
- Coordinate civil space sector activities
- Support growth of the space industry
- Lead international civil space engagement
- Administer space activities legislation
- Inspire the Australian community



Responsible



Shared Ambition



Trust and Integrity



Entrepreneurial Spirit



Inclusive



Passion

Australian Space Agency programs



International Space Investment (ISI) Initiative

- \$15 million over three years, grants to strategic space projects that generate employment and business opportunities for Australians
- ISI will help unlock international space opportunities for Australia, expand the capability and capacity of the Australian space sector, and create more jobs



Australian Space Discovery Centre

- \$6 million to establish a Space Discovery Centre
- The Space Discovery Centre will provide science, technology, engineering and mathematics (STEM) education, engagement and inspiration for young Australians



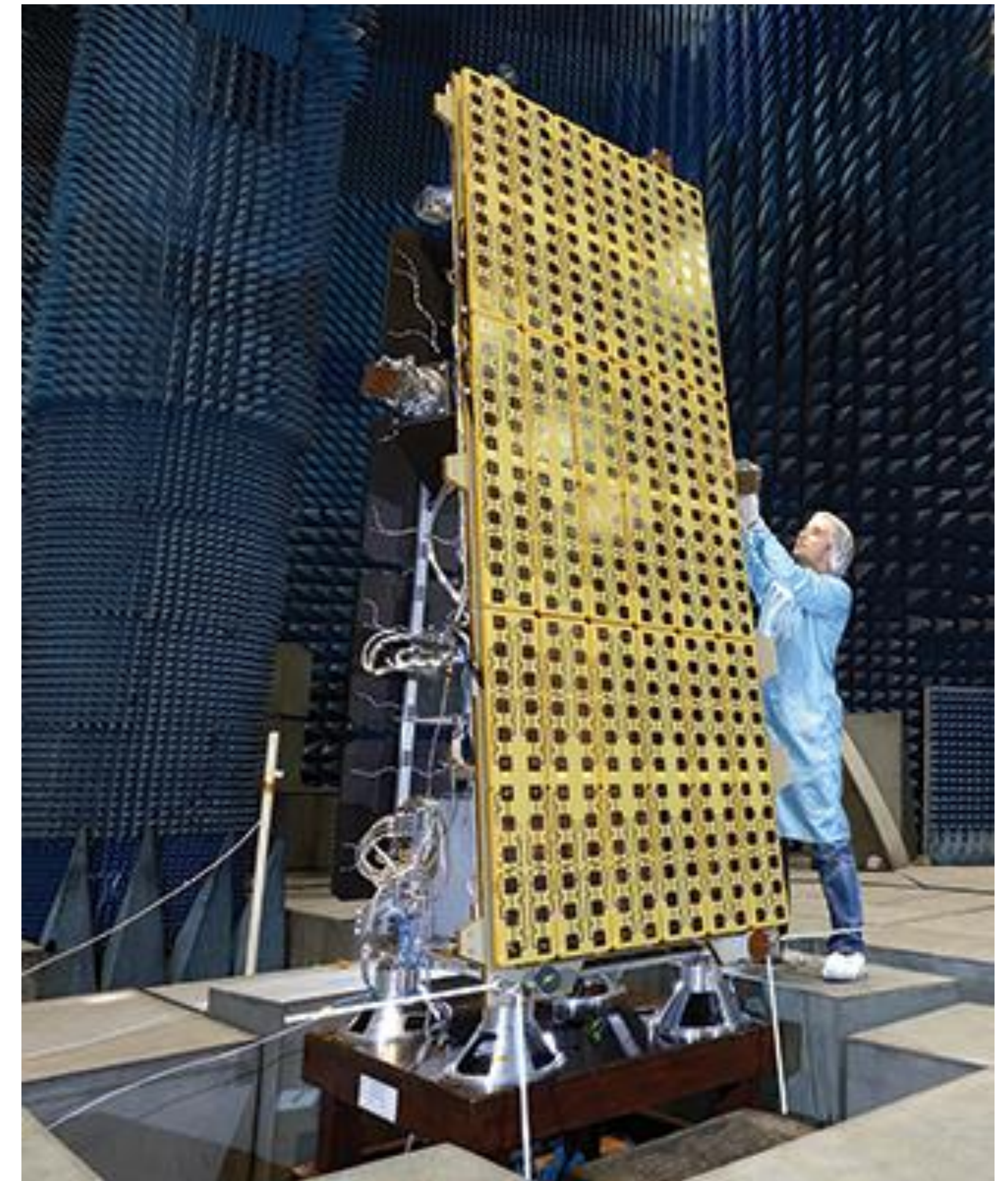
Space Infrastructure Fund (SIF)

- Seven projects to be supported by the Fund, totalling \$19.5 million



NASA Moon to Mars partnership

- \$150 million over five years, to support Australian businesses and researchers to work on the Moon to Mars mission
- Elements include demonstrator and pilot projects, a major project, and access to international supply chains



Space and Spatial Information



Australia's future in space



- Working closely with international partners to build opportunities for Australia
- Contributing our strengths to future projects and missions
- Being ambitious and picturing an Australian flag in space
- Highlighting how space technologies will impact and improve the lives of Australians



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