CSIRO 2025

IMPACT ASSESSMENT SUMMARY CARBON CAPTURE **AND STORAGE**



ESTABLISHING AUSTRALIA'S CCS FOUNDATION

CSIRO played a central role in establishing the scientific viability of CCS, building the market confidence necessary for subsequent investment in Australia and internationally. Stakeholders consistently identify this early contribution as one of CSIRO's most critical and enduring legacies.





ADVANCING CCS SCIENCE AND TECHNOLOGY

CSIRO has established itself as a global leader in the foundational science of CCS. CSIRO's research has not only advanced the technological frontier but has also been instrumental in de-risking CCS for potential deployment globally.



UNDERPINNING POLICY AND INVESTMENT CREDIBILTY

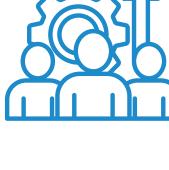
CSIRO has played a pivotal role in enabling CCS investment and shaping policy via its unique combination of scientific authority, institutional neutrality, and deep technical expertise. Stakeholders consistently identified the "CSIRO Badge" as a powerful enabler.





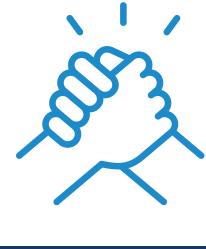
BUILDING A NATIONAL CCS CAPABILITY

CSIRO has played a central and enduring role in developing Australia's sovereign CCS capability. Over 25 years, it has delivered critical national assets including a portfolio of world-class research infrastructure and a highly skilled, experienced workforce.



BUILDING PUBLIC TRUST AND SOCIAL LICENCE

Public trust is a critical enabler of CCS deployment, especially where projects involve activity near communities. CSIRO has played a vital role in shaping Australia's approach to social licence, offering science-based engagement practices that foster transparency and credibility. The organisation is praised for "doing engagement right".





GLOBAL STANDING AND INTERNATIONAL INFLUENCE CSIRO's international engagement has

remained a consistent and powerful strength. Stakeholders around the globe have repeatedly pointed to CSIRO as a benchmark-setting organisation and top-tier in CCS research; influencing policies and programs at a global scale.



TO COMMERCIALISATION CSIRO has demonstrated global

NAVIGATING THE PATH

leadership in CCS research, yet

translating this into widespread commercial deployment remains a complex challenge. To support this, CSIRO has forged strategic industry collaborations, derisked CCS technologies through pilot projects, and developed patented IP and licensing arrangements to enhance industry competitiveness.



Stakeholders consulted acknowledged CSIRO's strong

commercialisation of CCS technologies.

LIMITATIONS TO IMPACT DELIVERY

technical engagement but highlighted a gap in engagement at strategic and ministerial-advisory levels.

Many noted its limited voice in the national CCS discourse, constrained by its non-advocacy stance. A more proactive public engagement strategy is seen as essential to counter misinformation and build broader social licence.

Internally, institutional hurdles—such as rigid contracting and IP processes—were seen to hamper commercial agility. Some partners also viewed CSIRO as a high-cost provider, deterring collaboration when projects didn't require its premium credibility. Addressing these challenges could

enhance CSIRO's strategic influence and support the