GETCO2 Translation and IP Plan

Building functional and enduring partnerships with industry sectors, philanthropic and government agencies will be critical for GETCO2's future success and impact. To help accelerate Australia's transition to a carbon-neutral economy, strong and expanding industry engagement supported by technology capture and translation is vital. The following important initiatives will be put in place:

An Annual Industry Workshop will be held (rotating between the Nodes for hosting) to provide an opportunity to promote and market the innovations and creativity taking place in GETCO2 to current and future stakeholders, the public and important government representatives. A key objective is to build relationships with potential suppliers and end-users in the CO2 conversion value chain and to provide extensive opportunities for networking, outreach, engagement, and technology translation. We will leverage our CI and wider Advisory Committee and Associate Investigator networks to help us target partners early to enable the right timing for investment in taking GETCO2's research to the next step in Technology Readiness Level (TRL).

Measurable and Translatable Goals

While collaboration, basic science and engineering discovery is at the core of GETCO2's mission, we will identify and maintain measurable, translatable targets, such as;

- Aim to advance 3 key technologies to TRL 4 by year 4. These will be accompanied by measurable technical goals and reporting.
- A clear and early articulation to Policy Makers with respect to where GetCO2 is heading. For example, what are the underpinning techno-economics surrounding this new CO2 "circular economy"? This will enable us to develop a much-needed understanding of the intimate relationship between social, environmental and economic sustainability and thereby marry GETCO2's vision and objectives with governments' net zero and decarbonisation objectives.
- We will organise our research efforts to target both global commodity chemical products (e.g. fuels, ethylene) and a "moonshot target" (e.g. urea, formic acid)" through our Flagship Projects.

Build a Translational Culture

Our fundamental research will be undertaken with the end goal of breakthrough technology development. GETCO2 will embrace two-way knowledge exchange with industry to build a professional culture for best practice industry engagement. Our translational culture will be developed through training and engagement activities between researchers, government and industry and through facilitating workshops between node research offices and institutional tech transfer units (such as UniQuest, Monash Innovation, UNSW Innovations, etc). Our translation activities will also be supported by the Industry Placement Program as part of the Capacity Building Portfolio. Researchers who are enthusiastic about entrepreneurial pathways will be mentored and supported, and where sensible connected to UQ Ventures and similar entrepreneurship programs available across our networks.

IP Protection and Technology Translation

Significant new IP will be generated by GETCO2, overseen by the RPC, tracked in the IP register and reviewed annually with research performance. We will also work with our partners with the help of all Commercialisation and Technology Transfer Offices at participating universities on ensuring our researchers are aware of the fundamentals of IP protection and disclosure. Our strategic industry partnerships will involve

end-users in research activities and planning for translation of the Centre's scientific and technological developments. Our industry linkages will provide the vehicle for application of the various developments we will accomplish as part of GETCO2 and will work alongside us to generate impact. Where sensible, we will work with our industry partners in scaling up our designs, new materials and processing methodologies for pilot and demonstration scale manufacture and operations, to facilitate translation. A Business Manager supported by GETCO2 will seek opportunities for engagement and build connections with the broader industry. GETCO2 is very well placed to not only deliver excellent science, but supported by our partnerships, we will also have the agility to bridge innovation gaps and compete in the international landscape.