



CSIRO Kick-Start Program

Expression of Interest - **SAMPLE**

This form will be used by the CSIRO SME Connect team to assist in locating the most suitable researcher/s within CSIRO to undertake a project for your company. Once a researcher has been identified, you will be put in contact with them and, if applicable, they will develop and cost a proposal for you. They can then prepare a full application form which you will need to sign and attach appropriate documentation to. The SME Connect team aims to review fully completed applications within 5-10 working days.

Please read the 'CSIRO Kick-Start Program and Eligibility Guidelines' document before emailing this form to:

Dr Megan Sebben, Kick-Start Program Manager, CSIRO SME Connect, megan.sebben@csiro.au

Company Details

A1. Name: ABC Development Corporation

A2. ACN / ICN: XX XXX XXX XXX

Is the company Aboriginal and/or Torres Strait Islander-owned? Yes No Prefer not to disclose

A3. Year of registration: 2022

A4. Business address: 14 Innovation Drive, Bundaberg, Queensland

A5. Website: ABCDevCorp.com.au

A6. Contact person name: Jane Innovation

Position: Chief Technical Officer

Telephone number: (07) XXXX XXXX

Email address: jane.innovation@abcdevcorp.com.au

A7. Number of employees: 4

A8. Have you read the [Kick-Start Program Guidelines](#)? Yes No

A9. In order to qualify for the program the company must demonstrate they meet all of the following eligibility criteria (at time of full application):

Have an annual turnover and operating expenditure of less than \$1.5 million in the current and each of the last two financial years ■

OR

Have been a registered company for less than 3 years ■

Be an Australian-based company who are for-profit, non-tax exempt, and registered for GST ■

A10. Provide a brief background of the company

ABC Development Corporation is an Australian owned business established in 2022 seeking to utilise sugar cane pulp to produce bioethanol. Every year sugar production in QLD produces a significant volume of sugar cane waste as a by-product of sugar production.

ABC Development Corporation believes that the waste cane pulp could be biologically processed and subsequently fermented at industrial scale, to produce ethanol from this unwanted waste stream. Unlike traditional methods which divert food in order to manufacture bioethanol, such as corn and wheat, the team will focus on waste utilisation to prevent edible crops from being displaced in the global commodity markets.

The resulting bioethanol will be rectified and used to supply the industrial cleaning supply and fine chemicals market seeking to utilise an environmentally friendly and renewable resource, diverting waste from landfill.

If successful, ABC Development Corporation seeks to deploy the technology into the processing of other waste feedstocks.

Project details

B1. Please outline the company's technology/product/service that you are interested in further researching/developing/testing

ABC Dev Corp is seeking expertise in industrial biotechnology and fermentation to transform pulp fibre waste into a fermentable sugar source

- Method for conversion of pulp fibre into fermentable sugars (lab and industrial scale)
 - Fermentation of pulp derived sugars (lab scale)
 - Chemical evaluation of the resulting tank fermentation
 - Rectification of fermented liquid into high proof ethanol, to demonstrate effectiveness of the workflow (lab scale)
 - Chemical evaluation and purity analysis of rectified liquid
-

B2. Outline of proposed CSIRO-based project activities and deliverables

- Whitepaper feasibility and technology study
 - Proof-of-concept experimental demonstration (under lab conditions)
 - Small quantity of rectified liquid ~2L for independent analysis by potential customers
 - Report on laboratory experiments with recommendations and project plan for pilot-scale industrial trials in second Kick-Start project
-

B3. Do you have a rough budget for these activities?

\$50,000 cash contribution for matched funding, total budget \$100,000

B4. How did you find out about the CSIRO Kick-Start program?

Government grant finder website

For further information:

SME Connect

Megan Sebben
(03) 9545 8543
megan.sebben@csiro.au

Michael Breedon
(03) 9545 7826
michael.breedon@csiro.au

Mateus Oliveira Silva
(03) 9518 5969
mateus.oliveirasilva@csiro.au

www.csiro.au/kick-start