***Rapid Response Projects Application Form***

*The AMC Research Program (the Program) aims to accelerate the development and implementation of mineral carbonation technologies to capture CO2 emissions in the mining and mineral processing sector.*

*The Rapid Response Project research funding provides a streamlined process for short-term, focused studies addressing urgent mineral carbonation challenges. Funding support is available to industry, First Nations, university and government organisation applicants. Projects may be up to 6-months duration.*

*Please read carefully and then complete this form with reference to* ***MRIWA’s Accelerated Mineral Carbonation (AMC) Research Program and MRIWA Research Grant Guidelines and (hereafter the Program, and Grant Guidelines)****. All dollar amounts must be listed in AUD and exclude GST. Complete all fields within the specified word limit and ensure all requested attachments are included with the Application.*  *No additional attachments will be accepted without prior written approval from MRIWA.*

**PROJECT DETAILS**

1. Project name

*The title will be used in all communication material relating to the Application.*

***Maximum 125 characters (including spaces).***

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| Click or tap here to enter text. |

1. Project key words

*Identify up to 5 key words to describe the proposed research.*

*This information may be used to identify suitable experts to review the application and may also be used for communication and reporting activities by MRIWA. Do not duplicate terms from Question 1 or 5.*

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| Click or tap here to enter text. |

1. Project summary

*Please provide a short overview of the intended aims and approach of the project. This information may be used to identify suitable experts to review the application and may also be used for communication and reporting activities by MRIWA.*

***Maximum 50 words.***

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| Click or tap here to enter text. |

1. Connection to previous MRIWA projects

*Please provide the MRIWA project number for any previously funded, or declined projects, related to this project where relevant*

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| Click or tap here to enter text. |

1. Alignment to MRIWA Research Priority Plan

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| Responses to this question will be used to assess applications against Eligibility Criteria 3.2 ‘MRIWA Research Priority Plan’, as outlined in the Grant Guidelines. |

*The research proposal is required to align to at least one Program and Theme from the MRIWA Research Priority Plan. Select the Program and Theme which the project most clearly aligns with.*

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| --- | --- |
| ***Program*** | ***Theme*** |
| Select a Program | Select a Theme |

**PROJECT DESCRIPTION**

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| Responses to questions 6 to 10 will be used to assess Eligibility Criteria 3.1 ‘Research activity’ and Merit Criteria 4.1 ‘Advancing Western Australia’ as outlined in the Grant Guidelines.  Responses to questions 11 and 12 will be used to assess Merit Criteria 4.2 ‘Project design and methodology’ as outlined in the Grant Guidelines. |

1. What challenge or issue facing the minerals sector in Western Australia will the project address?

*The identified knowledge or technology need may be a problem, gap, or opportunity within the minerals sector. Be specific and include information on the scale of need, stakeholders affected and any economic, environmental and/or social impacts resulting from the challenge or issue.*

***Maximum 150 words.***

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| Click or tap here to enter text. |

1. What is the proposed solution to the challenge or issue?

*Describe the specific aims of the project and what it intends to achieve, prove, or develop, and include a clear statement of hypotheses to be tested.*

***Maximum 150 words.***

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| Click or tap here to enter text. |

1. What anticipated outcomes will occur as a result of the proposed solution?

*Describe the short to medium-term outcomes expected as a result of the project, what the target improvements are and how these will address the identified knowledge gap or technology need. Responses should demonstrate how the project activity will contribute to the intended outcome for the relevant theme selected from the MRIWA Research Priority Plan.* ***Maximum 150 words.***

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| Click or tap here to enter text. |

1. In what ways does your project meet the AMC Research Program Merit Criteria?

*Describe the nature or type of activities and the potential for CO2 emissions sequestration via mineral carbonation; alignment to the Roadmap; innovation and scientific merit; feasibility and scalability of the solution; Western Australian industry relevance and potential time to market for commercialisation; and collaborative strength and interdisciplinary approach. Be specific and include information on the likely to benefit from these activities.*

***Maximum 250 words****.*

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| Click or tap here to enter text. |

1. What impact and benefit for Western Australia will the anticipated outcomes deliver?

*Describe the nature or type of impact and benefit, the expected timeframe within which the impact or benefit will be delivered; what indicators would be used to measure the extent of the impact and benefit and how the cost-benefit would be assessed. Be specific and include information on the stakeholders (e.g., relevant research end-users, or beneficiaries from industry, the community, government, wider public etc.) likely to benefit from these anticipated outcomes.*

***Maximum 250 words****.*

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| Click or tap here to enter text. |

1. What is the current Technology Readiness Level of the proposed solution to be developed?

*The Technology Readiness Level (TRL) describes the maturity of a given body of knowledge or technology. This scale is used to identify where on the innovation value chain a project lies, and what the level of investment risk is for MRIWA. Refer to 6.2 of the Grant Guidelines.*

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| Select TRL at commencement |

1. What is the anticipated Technology Readiness Level of the proposed solution at the completion of this Project?

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| Select anticipated TRL at completion |

**PROJECT MANAGEMENT**

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| Responses to questions 13 will be used assess Merit Criteria 4.2 ‘Project design and methodology’ as outlined in the Grant Guidelines. |

1. Provide a Gantt chart indicating the proposed milestones, tasks, deliverables, and stage gates (if applicable), and an indicative timeline for the proposed activities.

*All information should be provided on the MRIWA Gantt Chart template and included as an attachment.*

*Milestones are used by MRIWA to monitor the progress of a project and will be included in the Conditions of Grant. Research activity associated with each payable milestone will need to be budgeted with financial details included in Question 27.*

*Milestones should reflect achievement of significant stages in the research and should be SMART (Specific, Measurable, Attainable, Relevant and Time-bound).*

*Milestones should include all the key outputs and deliverables identified in Question 19.*

*For each milestone:*

* *Indicate if the milestone is payable.*

*A milestone is payable where costs associated with the activity undertaken will be covered by grant funds.*

*Payments will only be made following evidence of the satisfactory achievement of the milestone and on acceptance by MRIWA of a milestone report and itemised financial statement. Multiple milestones can be paid at the same time, where all required information has been provided.*

* *List the tasks associated with the milestone.*

*Include all major research activity to be undertaken to complete the milestone, providing an indicative timeframe for commencement and completion.*

* *Indicate the due date for the progress report.*

*Provide the month the due date will fall. The formal due date will be finalised during Letter of Agreement negotiations.*

1. **What is the project duration?**

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| --- | --- |
| **MONTHS** | Click or tap here to enter months. |

1. **The Gantt Chart is included as an attachment to this application**

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| Choose an item. |

**PARTICIPATING ORGANISATIONS AND PERSONNEL**

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| Questions 14 will be used to assess Eligibility Criteria 3.3 ‘Participating Organisation’ and Merit Criteria 4.3 ‘Research team as outlined in the Grant Guidelines. |

1. Provide details for all Participating Organisations

*In addition to the information below, Letters of Support from all Participating Organisations (excluding the Lead Organisation) are required at the time of submitting the application.*

*Lead Organisation: the organisation responsible for submitting the Application and who will take responsibility for the research component of the Project.*

*Research Organisation: an organisation named on the Application who will be conducting research.*

*Sponsor Organisation: an organisation named on the Application who will provide a cash contribution either to MRIWA or direct to the Lead Organisation.*

*Other Organisation: an organisation named on the Application who is not a Sponsor or Research Organisation but may be providing an in-kind contribution to the project.*

*A Participating Organisation may be both a Research Organisation and a Sponsor Organisation.*

*If more than three Participating Organisations are involved in the Project, add additional tables and complete required information for each organisation.*

**a. Lead Organisation**

|  |  |
| --- | --- |
| Name | Click or tap here to enter text. |
| Street Address | Click or tap here to enter text. |
| Postal Address | Click or tap here to enter text. |
| Is the organisation based in Australia? | Choose an item. |
| If Yes, provide ABN | Click or tap here to enter text. |
| Entity Type | Choose an item. |
| Sector | Choose an item. |
| Organisation will be conducting research | Choose an item. |
| Organisation is providing a cash contribution | Choose an item. |

**Administrative contact at Lead Organisation**

|  |  |
| --- | --- |
| Name | Click or tap here to enter text. |
| Email | Click or tap here to enter text. |
| Phone number | Click or tap here to enter text. |

**Accounts Payable contact at Lead Organisation**

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| --- | --- |
| Name | Click or tap here to enter text. |
| Email | Click or tap here to enter text. |
| Phone number | Click or tap here to enter text. |

**b.** List all members of the research team and project support staff

*Provide details for all members of the research team who will be making a significant contribution to the Project. This includes the Lead Investigator, Key Personnel and Associate Investigators.*

***Lead Investigator*** *is the Project supervisor and directly responsible for the conduct of the Project. Lead Investigators are named in the Conditions of Grant and are not able to be replaced without the prior written approval of MRIWA. An overview for the Lead Investigator is required to be attached to the application.*

***Key Personnel*** *are integral to carrying out the Project and provide a significant contribution throughout the Project. Key Personnel are named in the Conditions of Grant and are not able to be replaced without the prior written approval of MRIWA. An overview for each named Key Personnel is required to be attached to the application*

***Associate Investigator*** *provides an important contribution to the project and would warrant inclusion in research publications etc. but does not meet the definition of Key Personnel.*

*A separate* ***Statement of Expertise******for the Lead Investigator and each Key Personnel*** *must be included as an attachment to the Application. Please use the template provided.*

*In addition, include details of all project support staff (including positions where a candidate has not been identified) where a salary/stipend is requested in the Application. This should match the information provided in the budget and ensure only allowed staff costs are included, as outlined in 6.1 Eligible expenditure in the Grant Guidelines. If no salary is requested, this will be considered an in-kind contribution.*

*For all persons listed, please provide an indication of time to be spent on the project over the life of the project, in days.*

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| --- | --- | --- | --- | --- | --- |
| ***Team role*** | ***Name (if known)*** | ***Organisation*** | ***Estimated time on project (days)*** | ***Funded*** | ***Statement attached*** |
| Lead Investigator |  |  |  | Choose an item. | Choose an item. |
| Key personnel |  |  |  | Choose an item. | Choose an item. |

**KNOWLEDGE TRANSFER**

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| Questions 15 to 18 will be used to assess Merit Criteria 4.4 ‘Knowledge transfer’ as outlined in the Grant Guidelines. |

1. What are the key outputs and deliverables which will result from the project?

*This may include research solutions, products, services, or capabilities. They may be tangible or intangible The MRIWA Project Reporting Guidelines identify the formal reporting deliverables throughout a project.*

**a. Will an Environmental Scan be provided?**

*Unless otherwise agreed on commencement, projects are required to undertake and deliver a comprehensive environmental scan on the proposed Project area, identifying relevant peer-reviewed literature and current industry practice with this information to be released publicly as part of the project. Please identify if an Environmental Scan is to be provided.*

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| Choose an item. |

**b. Will a Final Technical Report on the research findings be provided?**

*MRIWA actively encourages the communication and dissemination of research findings to foster the use and commercial application of research results. This may include the provision of a technical report on the research findings which will be made publicly available. Please identify if a Final Technical Report is to be provided.*

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| Choose an item. |

**c. Identify all additional key outputs and deliverables.**

*MRIWA recognises there are key outputs and deliverables other than reports which may be more relevant to specific projects. Please identify any other key outputs and deliverables for this project.*

***Maximum 150 words.***

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| Click or tap here to enter text. |

1. What steps will you take to ensure adoption, dissemination and/or commercial application of the research results?

*Describe how the potential end-users will utilise the proposed research, and the expected pathway to adoption or adaptation of research results, even if these steps extend beyond the scope of this project. Fundamental science research and other projects more conceptual or investigative in nature should provide a plan to ensure use of the research results, and detail how this may ultimately lead to adoption, dissemination and/or commercial outcomes.*

***Maximum 150 words***

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| Click or tap here to enter text. |

1. What data will be generated or created from the proposed activities and how will this be managed during and following the project’s completion?

*Outline how the data produced from this project will be managed and plans for data sharing, including plans to make the data available for open access. If the data will not be available for open access, please outline why.*

***Maximum 200 words***

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| Click or tap here to enter text. |

1. How will the research progress and results be communicated to relevant stakeholders?

***Activity type:*** *Provide a brief description of the proposed activity, which may include meetings, seminars, presentations, workshops, reports, publications, media engagement etc.*

***Target Stakeholder Groups:*** *This may include, but is not limited to, Sponsors, relevant research end-users, other industry, the community, government, wider public etc.*

***Timing:*** *Identify the timing of the activity and the frequency with which it is to occur.*

*An initial indication of standard reporting expectations is outlined below which may be added to. Refer to the MRIWA Project Reporting Guidelines for formal reporting obligations.*

|  |  |  |
| --- | --- | --- |
| **Activity type** | **Target Stakeholder Groups** | **Timing** |
| Progress Reports | MRIWA, Sponsors |  |
| Financial Statements | MRIWA, Sponsors |  |
| Sponsor Review Meetings | MRIWA, Sponsors |  |
| Full Public Report | MRIWA, Sponsors |  |
| Output Release Plan | MRIWA, Sponsors |  |
| Project Evaluation Form | MRIWA, Sponsors | Project Completion |
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**BUDGET**

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| Questions 19 will be used to assess Eligibility Criteria 3.4 ‘Financial leverage’ and Merit Criteria 4.5 ‘Budget’ as outlined in the Grant Guidelines.  Question 20 will be used to assess Merit Criteria 4.5 ‘Budget’ but as a non-cash contribution will not be used to assess Eligibility Criteria 3.4 ‘Financial leverage’. |

1. Provide details of cash contributions by each of the Sponsors

*All amounts must be in AUD. The information should be entered on the MRIWA Budget Template and included as an attachment to the Application. Contribution amounts should match the information provided in the Letters of Support.*

**The Sponsor contributions are included in the relevant tab in the MRIWA Budget spreadsheet and attached to this application**

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| Choose an item. |

1. For each payable milestone, provide an indicative cost for all associated project activity relating to the successful delivery of the milestone.

*All amounts must be in AUD. The information should be entered on the MRIWA Budget Template and included as an attachment to the Application. Ensure only allowed costs are included, as outlined in 6.1 Eligible expenditure in the Grant Guidelines.*

**The Budget is included as an attachment to this application**

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| Choose an item. |

**CONFIDENTIALITY OF INFORMATION**

*Section 70 - Confidentiality of Information* of the *Minerals Research Institute of Western Australia Act 2013* requires:

A person to whom this subsection applies must not, directly, or indirectly, disclose or make use of any information obtained in the course of duty except —

(a) as required or allowed by this Act or under another written law; or

(b) with the written consent of the person to whom the information relates; or

(c) for the purposes of proceedings in a court; or

(d) in prescribed circumstances.

Penalty: a fine of $100,000.

This subsection applies to current and past members of the MRIWA Board and advisory committees, including the MRIWA College and MRIWA staff.

Information regarding personnel on the MRIWA Board, College and staff can be found here: <https://www.mriwa.wa.gov.au/about-us/our-people/>

1. Does the Application contain confidential information, or concern a commercially sensitive matter which may require that MRIWA restrict who is involved in its assessment?

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| Choose an item. |

If yes, please provide details of any person(s) or organisation(s) to be specifically excluded from the assessment of the research grant application.

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| Click or tap here to enter text. |

1. Has any commercially sensitive information relevant in this Application been specifically withheld?

*MRIWA acknowledges some applications may contain commercially sensitive data; or concern a commercially sensitive topic and the Application may exclude sensitive information to maintain confidentiality of these details. In limited circumstances, special arrangements can be made with MRIWA to withhold information from an Application. These must be approved by MRIWA prior to submission and MRIWA reserves the right to request additional information for the Board’s consideration.*

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| Choose an item. |

If yes, outline the nature of this information and the reason(s) for exclusion.

***Maximum 150 words***

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| Click or tap here to enter text. |

REFERENCE LIST

1. Please provide a list of all references cited in the Application, including relevant references to previous work of the participants

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**CERTIFICATION**

**Lead Investigator**

I certify –

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| 1. To the best of my knowledge, all details provided in this Application and supporting documentation are true and complete in accordance with the MRIWA Research Grant Guidelines and Project Reporting Guidelines |  |
| 1. I will notify MRIWA if there are any changes to the scope of the research or to any named Project Participants or Participating Organisations after submission of this Application and prior to consideration by the MRIWA Board |  |
| 1. I have discussed options for ownership of Project IP generated during the research project with the Lead Organisation and Project Participants (where relevant) and the preferred approach at the time of submitting the Application is for: |  |
| * 1. Version A, Ownership of IP by the Lead Organisation; |  |
| * 1. Version B, Ownership of IP by a Sponsor; |  |
| * 1. Version C, Ownership of IP jointly by MRIWA, the Lead Organisation, and the Sponsor(s); |  |
| * 1. Version D, Ownership of IP jointly by MRIWA and the Lead Organisation; |  |
| * 1. Version E, Ownership of IP jointly by MRIWA and a Sponsor; or |  |
| * 1. Version F, Ownership of IP by Project IP type. |  |
| * 1. Version G, Ownership of IP by MRIWA. | ☐ |

[Signature block]

**Lead Organisation**

I certify –

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| 1. The project is appropriate to the general facilities available, and I am prepared to have the project carried out as outlined in the Application and in accordance with the current MRIWA Research Grant Guidelines and Project Reporting Guidelines. |  |
| 1. I confirm the Lead Organisation is financially sustainable and will contribute (subject to this application being successful) the staff, funds and other resources as indicated in the Application. |  |
| 1. I confirm no current directors of the Lead Organisation have been convicted of fraud or declared bankrupt. |  |
| 1. I confirm the Lead Organisation complies with the Workplace Gender Equality Act 2012 (Cth). |  |
| 1. I confirm there are no current, pending or threatened legal or arbitration proceedings (whether as claimant or defendant) or any prosecution, enquiry, or investigation current, pending or threatened by a government or official body involving the Lead Organisation. |  |
| 1. I confirm there is no current or potential dispute that will foreseeably impact on the ability of this project to be carried out or on utilisation of project outcomes. |  |
| 1. I have received a copy of the relevant MRIWA policies and the Lead Organisation complies with them. |  |
| 1. I have received a copy of the template MRIWA Letter of Agreement and the Lead Organisation accepts them. | ☐ |
| Should the Lead Organisation not accept the template MRIWA Letter of Agreement please list the clauses for negotiation below:   |  |  | | --- | --- | | Clause | Reason | |  |  | |  |  | |  |  | |  |  | |  |
| 1. Details of any Background IP owned by, or to be provided by, the Lead Organisation essential to the Project have been provided to the Lead Investigator and are outlined in the Application. |  |
| 1. I confirm the Lead Organisation has reached agreement with its employees and other Project Participants on IP matters relating to ownership of, access to, or the right to use Background IP, the treatment of Project IP, and commercialisation activities. |  |
| 1. I confirm a commitment to enter into an agreement with MRIWA and other Project Participants, including the requirement to enter into arrangements regarding IP which do not unreasonably prevent or delay academic outputs. |  |

Organisation name

[Signature block]