

Tyre Stewardship Fund

Research and Development

Tick to confirm you have read the *Tyre Stewardship Fund Guidelines: Research and Development*

Project Overview

Project name (10 words or less):

Describe the project, what it involves and what it aims to achieve. (500 words max)

Note: TSA understands the challenges with EOLT arisings in Australia – please don't explain this to us. We would like to know about the opportunity you see to utilise the properties of Tyre-Derived Material (TDM) in a product or application, or to expand the use of TDM in existing applications by addressing barriers to growth of the market.

Why is this project necessary? Explain the market development problem you intend/expect to solve and/or the type of market demand to be met through successful completion of your project. (500 words max)

Please explain the market problem you intend to address and/or the type of market demand to be met through the successful completion of your project. Please don't talk about waste tyre generation and the problems associated with that – we get it!

Who you are**Part A: Lead Organisation Details**

Name of Legal Entity:

Business Name: (if different to Legal Entity)

Main Street Address:

Town/Suburb:

Postcode:

State:

ABN:

ACN:

Does your organisation have related entities?

 Yes No

If Yes, provide the entity and trading name, ABN and ACN of each related entity
(Details can be provided in a separate document and submitted with your application).

Contact Details for Authorised Person/ Project Manager:

Title:

First name:

Last name:

Telephone:

Mobile:

Fax:

Email:

Postal address:

Town / Suburb:

Postcode:

State:

Type of Applicant:

- Tertiary education institution
- Commercial/for-profit business
- Government agency established for the purpose of research
- Institute or Centre for Research Government
- Incorporated Association Industry Association or Industry peak body
- Co-operative Research Centre
- Not-for-profit Social Enterprise
- Other (please specify):

Part A: Lead Partner Organisation Details

Name of Entity:

Organisation Type (i.e. company, Council, sole trader etc):

Main Street Address:

Town / Suburb:

Postcode:

State:

ABN:

ACN:

Contact Details for Authorised Person

Title:

First name:

Last name:

Postal address:

Town / Suburb:

Postcode:

State:

Telephone:	Mobile:
Fax:	Email:

Please list any additional industry / research / government / other project partners in the table below.

(Details can be provided in a separate document and submitted with your application if required)

Name of organisation	Project Role	Lead Contact name	Lead Contact details (email, phone)

Project Details

Milestones (key steps for this project):

What are the activities that your project will undertake and what outcomes will be delivered to meet your aims?

Key Milestones	Who will do it	Outcome	Estimated duration (weeks)

How long will it take to complete the project?

Anticipated project start date:	Anticipated project completion date:
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Describe the lead organisation including key staff, expertise and previous aligned projects (500 words max)

Describe partner organisations you will be working with and what they bring to the project (300 words max)

Where will your project be located? (Provide the address of where most of your planned activity will take place)

Street address:

Town / Suburb:

Postcode:

State:

Commercial and Market Potential

What are the beneficial properties of tyre-derived material (TDM) that your product/process will utilise to create value? (300 words max)

i.e. what conventional products are currently available and why would the customer want the tyre-derived material instead

How would this compare with currently available alternative products in terms of performance and/or functionality? (300 words max)

For example if the TDM displaces other raw materials, or if it is an additive – is the performance of the product maintained or improved? Are you expecting to see functionality benefits in terms of better durability, insulation properties, vibration resistance, UV resistance? Will your product be competing against existing products in this market that already utilise TDM – if so, how is your product different from those?

What is the per unit cost in AUD (e.g. \$ per tonne or \$ per kg) of the TDM your project will be utilising (shred, granule, crumb, whole tyre)? Noting that TSA requests you source your TDM from an accredited recycler. (300 words max)

If you are replacing another input material (e.g. polymers, aggregates or other chemicals) with TDM how do they compare on a cost basis per unit? If the conventional product costs less, why would the TDM input be a viable alternative?

Describe the potential market and customer (local government, roads, polymer producers etc). If necessary, please include information on the relationship between suppliers, distributors, customers and other key stakeholders: (500 words max)

Quantify the potential market size. Make sure your estimate is **realistic and attainable** relative to the scale and nature of your project. Unrealistic estimates of potential markets and project impact will be disregarded and no assessment scores will be given for this section.

TSA is interested to understand what the potential consumption of TDM would be if your product was adopted widely. For example, for road surfacing projects this may be X km roads x Y thickness x Z% of crumb rubber per annum, or a new product may consume X tons per year of TDP. Or you may estimate the size of the market in terms of volume demand, expected \$ revenue per customer and total number of customers in each target market

Environment, Health & Safety Impact

What is your plan to recover or recycle your product at the end of its life?

How will you assess the Environmental, Health and/or Safety impacts of your product during its life cycle?
 What work will be done to manage any risks that may arise?

What management measures will be implemented to ensure rubber particles aren't entering the environment?

General Information

What other positive outcomes will your project achieve? (such as jobs, publicity or new markets)

Will any intellectual property will be developed as part of the project? Who will own the new IP created as part of the project? What pre-existing IP do you and the team bring to the project?

What activities will you undertake to distribute the final outcomes to broader stakeholders (e.g. universities, community, government and industry)?

Monitoring & Evaluation

How do you intend to monitor, evaluate and report on the results throughout and after the project?

What will you measure to understand whether your project has been successful?

For each success measure please indicate what time frame you expect to see these results in (for example, some testing may not be completed for several years after a project has finished)?

Please note any additional information you would like add (200 words):

Project Budget – Income and Expenditure

- Please include the income and expenditure for your project, excluding GST. Note that the total income must equal total expenditure.
- Please include In-kind (refer to Guidelines for explanation) and Cash contributions that are relevant to the project budget and the amount of funding sought from TSA.
- Change the 'Lead' and 'Partner' title sections in the table to the actual names of the entities who will be contributing.
- Add additional columns for additional contributing parties
- Use the template provided to detail both income and expenditure for your project, or attach your own if it provides more detail.

Project Income:					
Contribution Type	TSA requested amount	[Lead Organisation]	[Partner Organisation 1]	[Partner Organisation 2]	Total
Cash	\$	\$	\$	\$	\$
In-kind	\$	\$	\$	\$	\$
Other	\$	\$	\$	\$	\$
Total Income (TSA +Lead and Partner Organisation combined = Project Income)					\$

Project Expenditure (please detail in-kind vs cash):

- Online application form has an excel budget template you can download and complete – this is preferable to filling in the table below. Please email Funding@tyrestewardship.org.au if you would like us to send you a copy of the template.
- Please detail in-kind vs cash expenditure, what it will be spent on, and which party will be paying (TSA, Lead Partner, Others). You can add more rows to the table if you wish.
- Please stipulate which entity will expend on each in the Justification/Rationale Section in the expenditure.

Expenditure Type	Cash (\$)	Justification/Rationale	In-kind (\$)	Justification/Rationale
Project Management incl. salaries	\$		\$	
Materials	\$		\$	
Lab testing	\$		\$	
Other costs:	\$		\$	
Totals	\$		\$	
Total Expenditure (Cash + In-kind combined = Project Expenditure)				\$

Insurance

- TSA requires that all successful applicants must effect and maintain adequate insurance or similar coverage to cover all reasonably insurable liabilities arising as a result of undertaking a TSA Funded project, including without limitation:
- Workers' compensation insurance for the maximum amount required by the relevant State (being any 'State' in which any part of the Project is carried out) or Territory legislation which covers the Specified Personnel and any other employees involved in the Project;
- Public liability insurance for \$20,000,000 or more per claim which relates in any way to the Research Project; and
- Professional liability insurance for \$20,000,000 or more per claim to cover loss or damage to property which relates in any way to the Research Project, including insurance covering the sites at which the Project is undertaken, and will, if requested, provide TSA with a copy of the relevant certificates of currency.

Does your organisation have such coverage and will continue to have so for the duration of any project with TSA?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If No, please state why:		

Compliance and Legal

- Applicants and their related entities are required to declare any environmental or safety breaches within the last five years (see Section 11 – Definitions in the Funding Guidelines.).
- Not disclosing or providing the required evidence for environmental or safety breaches may deem your application non-compliant.
- TSA reserves the right to reject applications where the applicant's compliance with environmental and safety laws is unsatisfactory in accordance with Section 7 – Compliance and Legal in the Funding Guidelines.
- Please declare and provide required details to show compliance with environmental and safety laws.

Has your organisation or related entities had a reportable incident or received a penalty, notice, prosecution, warning, enforcement action or regulatory intervention from any environmental and safety laws in the last five years?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes, please provide details, attach relevant notice/s and evidence that the penalty, notice, prosecution, enforcement action or regulatory intervention has been satisfactorily resolved and that the level of compliance since the breach is satisfactory.		

Do you acknowledge that TSA may undertake checks with EPA, WorkSafe or other relevant regulators about your organisation and related entities' compliance with environmental and safety laws?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Do you acknowledge that the project delivery partners (including sub-contractors) agree to provide information to TSA should EPA, WorkSafe or other compliance checks be required about their compliance with environmental and safety laws?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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TSA Base Funding Agreement

Do you acknowledge you have read the TSA base Research Funding Agreement? <i>Note. You can request a copy of this agreement from TSA by emailing Funding@tyrestewardship.org.au</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Do you accept the TSA base Research Funding Agreement?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If No, please upload a table indicating the requested amendments (clause, proposed wording, reason).

Conflict of Interest

Conflict of Interest means any matter, circumstance, interest or activity affecting the applicant or its Related Persons which may appear to impair the ability of the applicant to undertake the Project diligently and independently or perform its obligations under any funding agreement with TSA in relation to the Project.

No current or potential conflict of interest exists

We disclose the following conflict/s of interest and indicate below how we propose to manage it/them:

Checklist

- My organisation is eligible to submit an Application
- I have read the guidelines carefully and my project addresses the priorities established in the guidelines.
- I have read, understand and agree to the Funding terms and conditions relating to this grant I have completed all questions and addressed all criteria set out in the questions.
- I have advised the project delivery partners (including sub-contractors) that EPA, WorkSafe or other compliance checks may be required and if so will provide information to TSA on request.
- I have attached all relevant documents for example valid permits, letters of support, EPA and/or WorkSafe notices, evidence that any EPA and/or WorkSafe breach has been satisfactorily resolved and the level of compliance since the breach is satisfactory.
- I warrant that I have authority to sign this application on behalf of the applicant. The Declaration is signed by an authorised person with delegated authority to make this application on behalf of my organisation and execute the Declaration (i.e. Chairperson, Chief Executive Officer, Secretary, Public Officer, Treasurer or Chief Financial Officer).

Declaration

I state that:

The information in this application and is to the best of my knowledge true and correct and agree to the application conditions. I will notify TSA of any changes to this information and any circumstances that may affect this application.

I acknowledge that TSA may refer this application to external experts or other Government Departments for assessment, reporting, advice, comment or for discussions.

I agree to provide TSA all such information as reasonably required to assess our financial viability and also agree to undertake an independent third-party financial viability check if deemed necessary by TSA.

I acknowledge that TSA may refer this application to external experts or other Government Departments for assessment, reporting, advice, comment or for discussions. TSA acknowledges that if external referral is sought, all documentation and associated information will be considered commercial in confidence.

Print name:

Position:

Date:

This application must be submitted via email, with 'Research and Development Stream' in the subject line, to:
funding@tyrestewardship.org.au