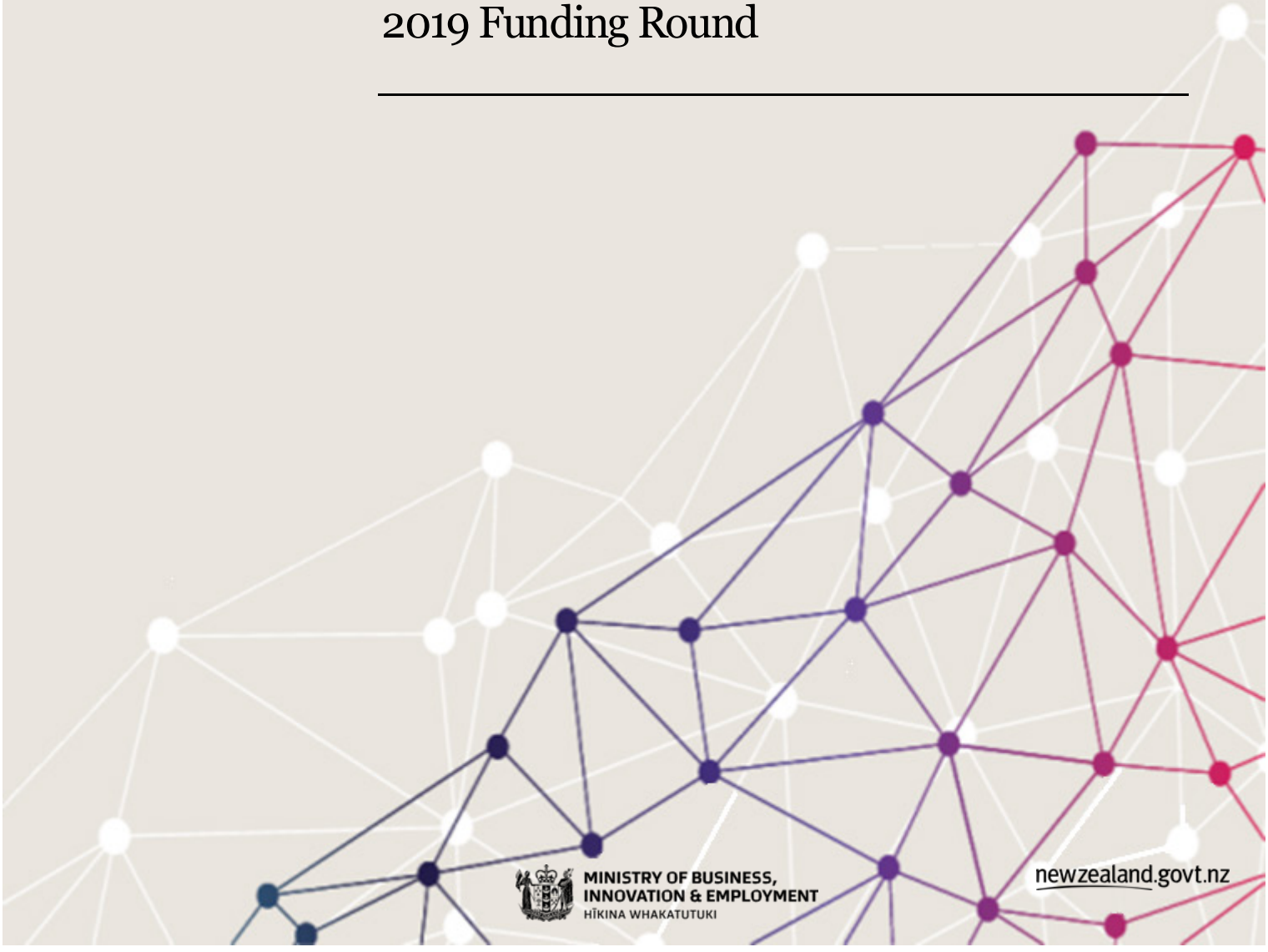
Endeavour Fund

Assessment Scoring Guide Supplement
For Smart Ideas Proposals

2019 Funding Round



MINISTRY OF BUSINESS, INNOVATION & EMPLOYMENT
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Introduction

This supplement guides the assessment of excellence and impact of proposals submitted for funding from the Endeavour Fund's 2019 funding round's Smart Ideas investment mechanism.

For excellence and impact, the assessment criteria for this funding round is presented alongside a scoring guide. The scoring guide and the accompanying points to note help ensure consistency in assessment. Using your knowledge and expertise, exercise your judgement when conducting your assessments to reach decisions that are objective, fair and evidence-based.

Use this supplement in conjunction with the:

- Endeavour Fund Investment Plan 2019-2021 which details the Government's goals and priorities for investment through the Endeavour Fund.
- Gazette Notice (number 2018-go4196) which sets the criteria the Minister for Research, Science and Innovation requires the Science Board to use in making funding decisions for the Endeavour Fund.
- Endeavour Fund Call for Proposals 2019 which details the application process.
- The Vision Mātauranga policy which outlines the Government's policy framework that aims to unlock the innovation potential of Māori knowledge, resources and people to assist New Zealanders to create a better future.

Assessment Guidelines detailing the roles and responsibilities of assessors will be released early December.

See MBIE's Endeavour Fund webpages for a full list of reference documents.

Points to Note When Assessing Excellence

To assess **excellence**, read and understand these points to note and use the scoring guide on the following pages to help form your assessment and determine a score.

Consider **excellence** in the context of:

- **Research horizons**: Early stage research may pose higher scientific or technical risk than later stage research. Both approaches are valid.
- **Areas of research**: Excellent research should be appropriate to the relevant discipline(s).

Specific Points to Note for Science

Dissemination	> Making the research results available for potential end *(or next)* users so that impact and benefits can be achieved. > May vary according to the situation and should not be confined to publications in peer reviewed scientific journals.
Risk	> Scientific and technical risk is the basis of a good proposal. This may include assumptions that are based on current knowledge and scientific principles; or the application of scientific techniques in an unproven or speculative way. > Technical risk may be associated with a new technology, which will need to be developed during the research.
Novelty	> A new method or idea. > All or some elements of a proposal may be novel. > Novelty can range from having only minor impact to making ground-breaking advances.
Innovation	> Bringing in new methods or ideas. > Degrees of innovation range from minor innovations in existing processes / techniques to the implementation of completely new processes / techniques that significantly challenge the status quo. > Can include the application of existing processes or techniques in new or unexpected areas.
Well positioned	The research: > takes account of existing knowledge and research, either by: – avoiding redundancy or overlap, or – using existing knowledge/research as a platform for achieving more significant advances in knowledge than would otherwise be the case. > links with key related science activities *(often funded separately)* are described and are complementary or synergistic. > has international links that provide leverage and additional value.
A credible research plan	Contains all of the expected elements in a way, which is scientifically and managerially competent and can be effectively implemented. Expected elements include: > the research methodology and methods, > the research design and proposed outputs, > a risk management and mitigation plan, and > provision for access to and use of the facilities and equipment for carrying out the research.
Risk management	> Risk managed through risk mitigation strategies and/or contingency plans, and residual risk is considered against the potential additional value. > Risk and additional value are considered together. However, risk and additional value can exist in many combinations, so the reference statements in the guide are only examples of where some combinations should sit in the scoring range. Assessors need to use their judgement in deciding where other combinations might more appropriately sit.

Specific Points to Note for Team

Skill mix	Consider whether the: > mix of skills is appropriate to the research. > whole team has the level of experience and other attributes which give confidence in their ability to deliver the research.

Excellence Assessment Scoring Guide

Assessment Criteria	**SCIENCE** *weighted 50%* Research should be well-designed, involve risk and/or novelty, and leverage additional value from wider research. Assessment must have particular regard to whether the proposed research, science or technology or related activities: a. progress and disseminate new knowledge; b. have a well-designed research plan and credible approach to risk management; c. are ambitious in terms of scientific risk, technical risk, novelty and/or innovative approaches; and d. are well-positioned in the domestic and international research context.	**TEAM** *weighted 15%* The proposed team should have the mix of complementary skills, knowledge and resources to deliver the proposed research, science or technology or related activities, and to manage risk.
Assessment Scoring Guide		
1 (Low quality) Inadequate Negligible No relevant content or connections None/not	**Progress and disseminate new knowledge** > Takes no account of related research or existing information. > No new knowledge created and no consideration has been given to disseminating the research results. **Have a well-designed research plan and credible approach to risk management** > Inadequate and does not contain any of the expected elements. > Missing appropriate scientific and technical risk management. > The research is not fit for purpose. **Are ambitious in terms of scientific risk, technical risk, novelty or innovative approaches** > Scientific and/or technical risk is negligible or low, or > The proposal is not innovative. **Are well positioned in the domestic and international research context:** > Ignores major aligned or related research / information. > Links to the relevant research landscape are missing. **if Vision Mātauranga is relevant** > The research does not unlock any Māori innovation. > Vision Mātauranga elements are negligible or not present in the research plan design.	**Skills mix** > Inadequate skills, knowledge and resources needed to: – deliver the research, science or technology, or related activities. – manage risk. **if Vision Mātauranga is relevant** > Inadequate capability to engage with Māori stakeholders or their interests. > Negligible track record with Māori relevant to the science.
2 Doubtful Insufficient Lacking Little Low Poor credibility	**Progress and disseminate new knowledge:** > New knowledge created only amplifies or further explains what is already known. > The dissemination method(s) are not well matched to the type of knowledge involved. **Have a well-designed research plan and credible approach to risk management:** > Contains some expected elements but the information is insufficient for the plan to be plausible. > Poor scientific or technical risk management. > The research is fit for purpose in very few respects. **Are ambitious in terms of scientific risk, technical risk, novelty or innovative approaches:** > Scientific and/or technical risk is low and so is the additional value that could be achieved, or > The proposal has little innovation. **Are well positioned in the domestic and international research context:** > Little recognition of aligned or related major research. > Inadequate links to the relevant research landscape. **if Vision Mātauranga is relevant** > It is doubtful that the Vision Mātauranga elements in the research design are sufficient > Little relevant innovation value to Māori.	**Skills mix** > Lacks most of the skills, knowledge and resources needed to: – deliver the research, science or technology, or related activities. – manage risk. **if Vision Mātauranga is relevant** > Lacks the level of capability or capacity required to navigate and engage with Māori stakeholders and their interests for the science. > Little or poor track record with Māori relevant to the science.

Assessment Criteria	**SCIENCE** *weighted 50%* Research should be well-designed, involve risk and/or novelty, and leverage additional value from wider research. Assessment must have particular regard to whether the proposed research, science or technology or related activities: a. progress and disseminate new knowledge; b. have a well-designed research plan and credible approach to risk management; c. are ambitious in terms of scientific risk, technical risk, novelty and/or innovative approaches; and d. are well-positioned in the domestic and international research context.	**TEAM** *weighted 15%* The proposed team should have the mix of complementary skills, knowledge and resources to deliver the proposed research, science or technology or related activities, and to manage risk.
Assessment Scoring Guide		
3 Limited effectiveness Low to moderate Most Significant gaps Some aspects inadequate	**Progress and disseminate new knowledge** > The new knowledge created is incremental in character, i.e., it is no more than a logical extension of what is already known. > The dissemination method(s) are workable but unlikely to be very effective. **Have a well-designed research plan and credible approach to risk management** > Contains most of the expected elements but the details or some of the elements are limited. > Significant gaps in scientific and technical risk management. > The research is fit for purpose in some respects but the connection to purpose is not demonstrated well. **Are ambitious in terms of scientific risk, technical risk, novelty or innovative approaches** > Scientific and/or technical risk is low but has additional benefit that could be achieved, or > Contains some elements of innovation but no completely new approaches. **Are well positioned in the domestic and international research context** > Some recognition of related research or existing information, but this has only partly influenced the research design. > Significant gaps in links to the relevant research landscape. **if Vision Mātauranga is relevant** > Limited research that will unlock Māori innovation through the science. > There are gaps in key Vision Mātauranga elements in the research plan design which suggests low effectiveness to deliver new knowledge or intellectual property relevant to Māori.	**Skills mix** > Some significant gaps in the skills, knowledge and resources needed to: – deliver the research, science or technology, or related activities. – manage risk. **if Vision Mātauranga is relevant** > Some significant gaps in the capability or capacity required to navigate and engage with Māori stakeholders and their interests for the science. > A patchy track record with Māori relevant to the science.
4 Largely appropriate Largely satisfactory but with gaps or deficiencies Moderate Partly Reasonable Significant in some aspects	**Progress and disseminate new knowledge** > The knowledge created is new but largely an extension of existing knowledge rather than breaking significant new ground. > The dissemination method(s) are appropriate or likely to be moderately effective. **Have a well-designed research plan and credible approach to risk management** > Contains all of the expected elements but in some cases the level of detail is not of a satisfactory standard. > Adequate scientific or technical risk management. > The research is largely fit for purpose. **Are ambitious in terms of scientific risk, technical risk, novelty or innovative approaches** > Moderate scientific and/or technical risk largely counterbalanced by the additional benefit that could be achieved, or > Significant innovation in the proposal based more on new applications of existing approaches than new approaches. **Are well positioned in the domestic and international research context** > Reasonable recognition of related research and existing knowledge, leveraged with some gaps in research design. > Adequate links to the relevant research landscape. **if Vision Mātauranga is relevant** > Reasonable potential for the research to unlock Māori innovation through the science. > Largely appropriate Vision Mātauranga elements appear in the research plan design with some gaps or deficiencies including distinct risks identification and mitigation. > Existing relevant Māori knowledge has been considered. > New knowledge and intellectual property of value to Māori interests is delivered.	**Skills mix:** > Reasonable mix of skills, knowledge and resources needed to: – deliver the research, science or technology, or related activities. – manage risk. **if Vision Mātauranga is relevant** > Moderate capability and capacity for reasonable engagement with core Māori stakeholders for the science; there are some gaps / deficiencies. > A largely satisfactory track record with Māori relevant to the science.

Assessment Criteria	**SCIENCE** *weighted 50%* Research should be well-designed, involve risk and/or novelty, and leverage additional value from wider research. Assessment must have particular regard to whether the proposed research, science or technology or related activities: a. progress and disseminate new knowledge; b. have a well-designed research plan and credible approach to risk management; c. are ambitious in terms of scientific risk, technical risk, novelty and/or innovative approaches; and d. are well-positioned in the domestic and international research context.	**TEAM** *weighted 15%* The proposed team should have the mix of complementary skills, knowledge and resources to deliver the proposed research, science or technology or related activities, and to manage risk.
Assessment Scoring Guide		
5 Appropriate Comprehensive Good/effective Meets good practice standards Moderate to high More than significant New/novel No gaps	**Progress and disseminate new knowledge** > The new knowledge created breaks new ground, and > The dissemination method(s) are appropriate or likely to be effective. **Have a well-designed research plan and credible approach to risk management** > Contains all of the expected elements, meets expected standards of good practice and should be delivered as stated. > Appropriate and credible scientific or technical risk management. > The research is fit for purpose in most aspects. **Are ambitious in terms of scientific risk, technical risk, novelty or innovative approaches** > Moderate scientific and/or technical risk counterbalanced by additional benefit, or > Is significantly innovative and contains new approaches, i.e., they have not been proposed before. **Are well positioned in the domestic and international research context** > Comprehensive recognition of related research and existing knowledge competently leveraged in research design. > Well demonstrated links to the relevant research landscape. **if Vision Mātauranga is relevant** > Good potential for the research approach to unlock Māori innovation through the science. > Credible Vision Mātauranga elements support research plan design. > Existing relevant Māori knowledge has been incorporated. > Distinct risks and sensitivities are well mapped and mitigated. > New knowledge and intellectual property of strategic value to Māori interests is delivered. > Some likelihood of attracting international attention.	**Skills mix** > Appropriate mix of skills, knowledge and resources needed to: – deliver the research, science or technology, or related activities. – manage risk. > Well matched, with no significant gaps in the skills, knowledge and resources needed to: – satisfactorily deliver the research, science or technology, or related activities. – achieve moderate to high level of risk management and mitigation. **if Vision Mātauranga is relevant** > Moderate to high level of capability and capacity to navigate and engage effectively with Māori stakeholders, networks, interest groups in various settings relevant to the science. > A strong track record of engaging effectively with Māori relevant to the science.
6 Comprehensive Exceeds best practice Insightful Markedly Significant Very credible Very good/effective Very high/ highly Very large	**Progress and disseminate new knowledge** > The new knowledge created is potentially significantly beyond the current state of research in the field. > The dissemination method(s) are very effective or likely to be very effective. **Have a well-designed research plan and credible approach to risk management** > Contains all expected elements at a level of competence and detail which exceeds expected standards of good practice, and gives confidence that the plan will be delivered as stated. > Scientific or technical risk management is likely to be effective. > The research is fully fit for purpose. **Are ambitious in terms of scientific risk, technical risk, novelty or innovative approaches** > High Scientific and/or technical risk counterbalanced by the additional benefit that could be achieved, or > Highly innovative with markedly new ideas and/or approaches likely to attract attention from other researchers and potential end users. **Are well positioned in the domestic and international research context** > Comprehensive and insightful recognition of related research and existing information and this is extremely well leveraged in research design. > Comprehensive links to the relevant research landscape. **if Vision Mātauranga is relevant** > Very good potential for the research to unlock Māori innovation though the science. > Very credible and comprehensive Vision Mātauranga elements support and enhance the research plan. > Existing relevant Māori knowledge has been fully incorporated and helped shape the research. > Distinct risks and sensitivities are very well mapped and mitigated. > New knowledge and intellectual property of significant strategic value to Māori interests is delivered. > Very likely to attract international attention.	**Skills mix** > Comprehensive mix of skills, knowledge and resources needed to: – deliver the research, science or technology, or related activities. – manage risk. **if Vision Mātauranga is relevant** > High level of capability and capacity to navigate Māori stakeholders, networks, interest groups and their expectations relevant to the science. > Very strong track record of high value engagement with Māori relevant to the science.

Assessment Criteria	**SCIENCE** *weighted 50%* Research should be well-designed, involve risk and/or novelty, and leverage additional value from wider research. Assessment must have particular regard to whether the proposed research, science or technology or related activities: a. progress and disseminate new knowledge; b. have a well-designed research plan and credible approach to risk management; c. are ambitious in terms of scientific risk, technical risk, novelty and/or innovative approaches; and d. are well-positioned in the domestic and international research context.	**TEAM** *weighted 15%* The proposed team should have the mix of complementary skills, knowledge and resources to deliver the proposed research, science or technology or related activities, and to manage risk.
Assessment Scoring Guide		
7 (High quality) Exceeds best practice standards Excellent Exemplary Internationally significant Outstanding Very high Very/extremely large Wholly appropriate Wholly credible	**Progress and disseminate new knowledge** > The new knowledge created is potentially of international significance and likely to attract interest accordingly, and > The dissemination method(s) are wholly appropriate or likely to be extremely effective. > Have a well-designed research plan and credible approach to risk management > Contains all the expected elements, the approach and detail is exemplary and gives high confidence that the research will be delivered excellently and as planned. > Scientific or technical risk management is very likely to be effective. > The research is fully fit for purpose. **Are ambitious in terms of scientific risk, technical risk, novelty or innovative approaches** > High scientific and/or technical risk substantially exceeded by the additional benefit that could be achieved, or > Outstandingly innovative with new ground breaking approaches likely to attract international attention. **Are well positioned in the domestic and international research context** > Outstanding recognition of related research and existing information. > Research design takes full advantage of the opportunities for leverage. > Outstanding links to the relevant research landscape. **if Vision Mātauranga is relevant** > The best potential for the research to unlock Māori innovation relevant to the science. > Wholly credible Vision Mātauranga elements are fundamental to the research plan design to an exemplary standard. > Existing relevant Māori knowledge central to the research. > Very well mapped and mitigated risks and sensitivities. > New knowledge and intellectual property of very significant strategic value to Māori interests is delivered on a large scale. > Extremely likely to attract international attention.	**Skills mix** > Exemplary mix of skills and knowledge, and excellent resources needed to: – deliver the proposed research, science or technology, or related activities. – manage risk. **if Vision Mātauranga is relevant** > Outstanding capability and capacity to expertly navigate significant and diverse Māori stakeholders, networks, interest groups and their expectations of the science. > An extremely strong track record of high value engagement with Māori relevant to the science.

Points to Note When Assessing Impact

To assess impact, read and understand these points to note and use the scoring guide on the following pages to help form your assessment and determine a score.

Consider **impact** in the context of the breadth/extent of the proposed benefits, which may include aspects that go beyond the direct benefits associated with the output of the research. These can include:

- Benefits across multiple sectors
- Faster uptake of results in multiple areas
- Improved state of the environment
- Potential to scale up regional initiatives to nation-wide implementation
- Consistency of standards or approaches for regulators
- Improved social well-being
- Better use of resources
- Preservation or enhancement of cultural heritage and values
- More efficient processes
- Upskilling industry
- Support for emerging new sectors
- Creation of research platform which has additional utility for new users
- Job creation e.g., via new start-ups
- Development of a cluster of businesses
- Multinational business attraction to or retention in New Zealand
- Protecting existing markets, or impact on New Zealand's reputation
- Diversification of the economy.

Specific Points to Note for Benefit to New Zealand

Scale	Size expressed in a way which sensibly reflects the end use area. For example: - an economic development project may express scale in financial terms or degree of penetration of markets. - social and environmental projects may use the level of impact on or significance for, reducing environmental effects, resolving social issues, and/or developing more effective policies, etc. In assessing estimates of scale, apply the principle of additionality: - value over and above that which would be expected to occur anyway through routine research investment by existing, scientifically competent businesses or user organisations. - value which exceeds the cost of doing the research.
Extent	The coverage of the benefits, i.e., irrespective of scale, whether benefits are concentrated in a narrow area *(e.g., individual organisations)* or are of widespread potential impact. Given a particular scale of impact, score more highly proposals of widespread coverage than those of narrow impact. Consider the extent to which proposals will enable: - potential impact for New Zealand - more investment in research with higher (impact) - risk and longer term horizons to impact (consider impact risk in the research separately from scientific/technical risk which is included in assessing excellence) - better leveraging of wider existing investment and knowledge in New Zealand and overseas - greater effect to be given to Vision Mātauranga.

Specific Points to Note for Implementation Pathway(s)

Credible implementation pathway	Sufficient end or next-user information to confirm that the analysis takes account of the characteristics of the area in which it will be used and is not simply a generic description. There needs to be enough detail so that pathways can be traced, and the role of each participant/end user is clear. The implementation pathway is expected to be appropriate to the state of the sector or the stage of the research, e.g., if the research is: - At a later stage of development, a detailed description of pathway towards implementation is expected as is more end-user involvement. - At an earlier stage of development, next users would be more relevant, and a line of sight towards implementation should be visible, but not to the same extent as with more applied research. In both cases, there should be some indication that pathways have been given serious thought and that the implementation is not limited to a 'one size fits all' approach. The impact delivery plan needs to contain the information referred to above. The information should be authoritative *(derived from or built on credible and reliable sources)*, set out in a logical pattern and supported by good quality analysis and explanation.

Strength of the relationships	The provision of co-funding in some cases may reflect the level of end user or stakeholder commitment. In others co-funding may not be a relevant factor *(co-funding is not a requirement for proposals)*.
	Measure against a range of parameters which include the:
	- length of time over which the relationship has been developed
	- quality of the relationship (e.g., deep seated or superficial)
	- level of commitment of the stakeholders/end users/beneficiaries. To some extent, the level of commitment can be gauged from:
	  – the level of user-involvement in steering the research *(e.g., via an advisory group)*,
	  – commitment either to specific actions or to providing various types of assistance.

Impact Assessment Scoring Guide

Assessment Criteria	BENEFIT TO NEW ZEALAND *weighted 25%* Research should have direct and indirect benefits or effect on individuals, communities or society as a whole, including broad benefits to New Zealand's economic, social, human or natural capital. Assessment must have particular regard to: a. the scale and extent of potential benefits from the proposed research, science or technology or related activities; and b. the Relevance of Benefits and additional value delivered to New Zealand.	IMPLEMENTATION PATHWAY(S) *weighted 10%* The credibility of indicative implementation pathway(s) to deliver public benefit to New Zealand, not limited to a single firm or end-user, and which may be uncertain in nature.
Assessment Scoring Guide		
1 (Low quality) Implausible Negligible Not credible Not present Not relevant Unlikely Unreliable Very poor	**Scale and extent of benefits** > Potential direct benefits are negligible and/or not credible and unlikely to be widely distributed or of no specific impact to more than one area of strategic importance. > They may have negligible impacts upon a large sector or upon a sector with negligible potential for growth. **Relevance and additional value** > Not relevant and of negligible potential significance to one or more areas of strategic importance to New Zealand. > Negligible indirect and additional value in areas aligned with one or more future directions of investment. **if Vision Mātauranga is relevant** > The benefits of the research have no relevance to Māori. > There is no clarity as to whether any economic and/or social and/or environmental benefits will be realised by any Māori interests or if Māori contributions to the science are identified and valued. > No or negligible new knowledge or intellectual property for Māori.	**Implementation pathways** > No credible implementation pathways. > No supporting impact plan. > Not limited to a single firm or end user. **if Vision Mātauranga is relevant** > No credible engagement with Māori. > Vision Mātauranga is not present.
2 Insufficient Little Minor Narrow Not significant Poor Unconvincing Unsatisfactory Very limited Very low	**Scale and extent of benefits** > Potential direct benefits are very low, and may be narrowly distributed or of very limited specific impact to more than one area of strategic importance. > They may have very limited impacts upon a large sector or upon a sector with unconvincing potential for growth. **Relevance and additional value** > Very limited relevance and little significance to one or more areas of strategic importance to New Zealand. > Poor indirect and additional value in areas aligned with one or more future directions of investment. **if Vision Mātauranga is relevant** > The benefits of the research have little relevance to Māori. > There is very limited clarity as to whether if any economic and/or social and/or environmental benefits will be realised by any Māori interests or if Māori contributions to the science are identified and valued. > Very limited new knowledge or intellectual property for Māori.	**Implementation pathways** > Are of poor credibility. > The supporting information is very limited and largely unsatisfactory. > Not limited to a single firm or end user. **if Vision Mātauranga is relevant** > Very limited, insufficient arrangements for engagement with Māori stakeholders.

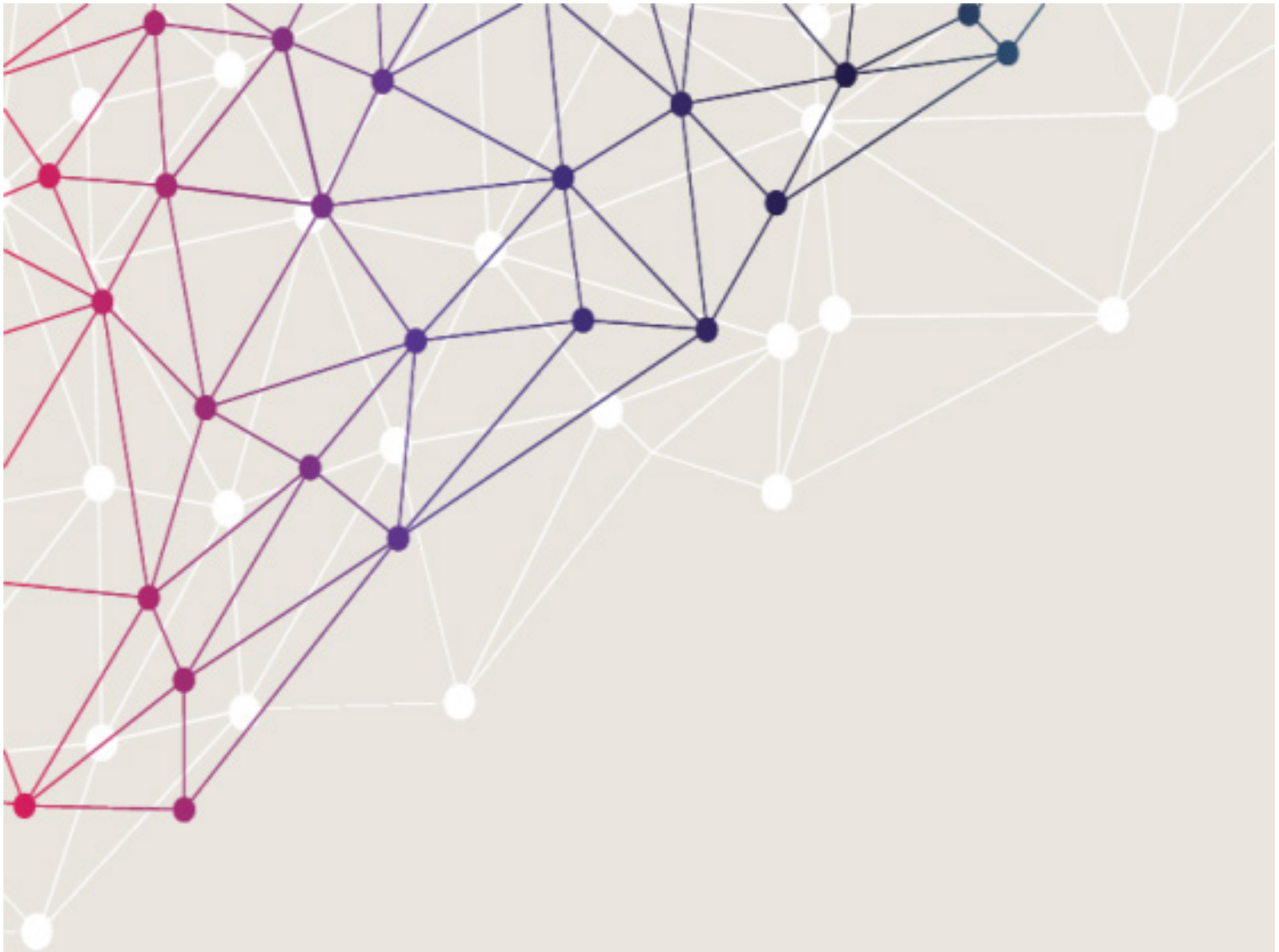
Assessment Criteria	**BENEFIT TO NEW ZEALAND** *weighted 25%* Research should have direct and indirect benefits or effect on individuals, communities or society as a whole, including broad benefits to New Zealand's economic, social, human or natural capital. Assessment must have particular regard to: a. the scale and extent of potential benefits from the proposed research, science or technology or related activities; and b. the Relevance of Benefits and additional value delivered to New Zealand.	**IMPLEMENTATION PATHWAY(S)** *weighted 10%* The credibility of indicative implementation pathway(s) to deliver public benefit to New Zealand, not limited to a single firm or end-user, and which may be uncertain in nature.
Assessment Scoring Guide		
3 Limited Low Partially Some	**Scale and extent of benefits** > Potential direct benefits are low, and may not be widely distributed or of limited specific impact to more than one area of strategic importance. > They may have some impacts upon a large sector or upon a sector with limited potential for growth. **Relevance and additional value** > Some relevance and limited significance to one or more areas of strategic importance to New Zealand. > Low indirect and additional value in areas aligned with one or more future directions of investment. **if Vision Mātauranga is relevant** > The benefits of the research have low to moderate relevance to Māori. > There is limited clarity as to whether any economic and/or social and/or environmental benefits will be realised by any Māori interests or if Māori contributions to the science are identified and valued. > Limited new knowledge or intellectual property for Māori.	**Implementation pathways** > Are of limited credibility. > The supporting information is limited and not very convincing. > Not limited to a single firm or end user. **if Vision Mātauranga is relevant** > Some significant gaps in arrangements for engagement with Māori stakeholders. > The Vision Mātauranga related aspects of the pathway appear somewhat inadequate.
4 Moderate Modest Reasonable Some	**Scale and extent of benefits** > Some direct benefits are of moderate value, and may be reasonably distributed or of some specific impact to more than one area of strategic importance. > They may have some impacts upon a large sector or upon a sector with modest potential for growth. **Relevance and additional value** > Moderately relevant and some potential significance to one or more areas of strategic importance to New Zealand. > Modest indirect and additional value in areas aligned with one or more future directions of investment. **if Vision Mātauranga is relevant** > The benefits of the research are moderately relevant to Māori, achieving some, reasonable, or modest economic and/or social and/or environmental benefits. > Māori contributions are valued to some degree and have some involvement in the delivery of benefits. > Some new knowledge or intellectual property for Māori.	**Implementation pathways** > Partially credible. > Has gaps in the supporting information that leaves key questions unanswered. > Not limited to a single firm or end user. **if Vision Mātauranga is relevant** > Satisfactory arrangements for engagement with obvious Māori stakeholders. > Some distinct risks and sensitivity management is in place. > Satisfactory Māori participation in the research is evident. > Obvious relevant tikanga (customs and traditions) Maori has been satisfactorily gauged and described. > The IP agreements in place respond to any indigenous knowledge management issues/requirements if raised.
5 Appropriate Credible Good confidence Large Relevant Significant Sizable Substantial Well explained	**Scale and extent of benefits** > Potential direct benefits are large, numerous, of high value, and may be widely distributed or of specific impact to more than one areas of strategic importance. > They may have significant impacts upon a large sector or upon a sector with marked potential for growth. **Relevance and additional value** > Relevant and substantial potential significance to one or more areas of strategic importance to New Zealand. > Substantial indirect and additional value in areas aligned with one or more future directions of investment. **if Vision Mātauranga is relevant** > The benefits of the research are relevant to Māori, achieving large, significant, or specific economic and/or social and/or environmental benefits. > Māori contributions are valued and are central to the delivery of benefits. > Significant new knowledge or intellectual property for Māori.	**Implementation pathways** > Credible, fit for purpose. > Indicative supporting information is satisfactory in scope and competence. > Not limited to a single firm or end user. **if Vision Mātauranga is relevant** > Informed by comprehensive engagement with key Māori stakeholders who are participating in, and contributions to, the research and co-development of the proposal. > Distinct risks and sensitivities are well mapped and managed. > The role of (customs and traditions) has been identified. > Credible IP agreements are in place and respond to identified indigenous knowledge management requirements.

Assessment Criteria	**BENEFIT TO NEW ZEALAND** *weighted 25%* Research should have direct and indirect benefits or effect on individuals, communities or society as a whole, including broad benefits to New Zealand's economic, social, human or natural capital. Assessment must have particular regard to: a. the scale and extent of potential benefits from the proposed research, science or technology or related activities; and b. the Relevance of Benefits and additional value delivered to New Zealand.	**IMPLEMENTATION PATHWAY(S)** *weighted 10%* The credibility of indicative implementation pathway(s) to deliver public benefit to New Zealand, not limited to a single firm or end-user, and which may be uncertain in nature.
Assessment Scoring Guide		
6 Comprehensive Credible Entirely Extensive High confidence Relevant Very large Very substantial Well	**Scale and extent of benefits** > Potential direct benefits are of very large, substantial, of high value, and may be very widely distributed or of specific impact to many areas of strategic importance. > They may have very substantial impacts able to be delivered for a large sector or a sector with marked extensive potential for growth. **Relevance and additional value** > Very relevant and very substantial potential significance to one or more areas of strategic importance to New Zealand. > Very substantial indirect and additional value is generated by the research. **if Vision Mātauranga is relevant** > The benefits of the research are very relevant to Māori, achieving very large, very significant, or specific and highly valued economic and/or social and/or environmental benefits. > Māori contributions are strongly valued and are very central to the delivery of benefits. > Very substantial new knowledge or intellectual property for Māori. > Benefits or knowledge gained will be scaled up or transferred to other locations in New Zealand, respectively.	**Implementation pathways** > Of a high standard, very credible and fit for purpose. > The supporting information is credible in scope and competence. > Not limited to a single firm or end user. **if Vision Mātauranga is relevant** > Informed by very credible engagement with diverse Māori stakeholders which results in meaningful Māori participation in, and contributions to, the research and co-development of the proposal. > Distinct risks and sensitivities are effectively mapped and managed. > Appropriate tikanga (customs and traditions) has been identified and responsibilities allocated. > IP agreements align strongly to indigenous best practice knowledge management.
7 (High quality) Completely Comprehensive Exemplary Extremely relevant Extremely significant Highly credible Highly relevant Impressive Outstanding Total confidence Very large Very well	**Scale and extent of benefits** > Potential direct benefits are extremely relevant, very high in number, of extremely high value, and comprehensively distributed or of specific impact to all areas of strategic importance. > They may have extremely significant impacts upon a large sector or upon a sector with impressive potential for growth. **Relevance and additional value** > Complete relevance and extremely substantial potential significance to one or more areas of strategic importance to New Zealand. > Extremely significant indirect and additional value in areas aligned with one or more future directions of investment. **if Vision Mātauranga is relevant** > The benefits of the research are extremely relevant to Māori, achieving outstanding, impressive, or specific and extremely valuable economic and/or social and/or environmental benefits. > Māori contributions are fully valued and are completely included in the delivery of benefits. > Very large new knowledge or intellectual property for Māori. > Benefits or knowledge gained will be scaled up or transferred throughout New Zealand, respectively.	**Implementation pathways** > Of an extremely high standard, completely credible, and fit for purpose. > The supporting information is exemplary in scope and competence. > Not limited to a single firm or end user. **if Vision Mātauranga is relevant** > Informed by exemplary engagement with diverse Māori stakeholders which optimises significant and meaningful Māori participation in, and contributions to, the research and co-development of the proposal. > Distinct risks and sensitivities are well mapped and managed. > Appropriate tikanga (customs and traditions) has been identified and responsibilities allocated. > Exemplary IP agreements modelling international indigenous best practice knowledge management are in place.

New Zealand's science and innovation systems are critical to boosting the number of knowledge-intensive, internationally-connected firms. The Ministry of Business, Innovation & Employment (MBIE) works to lift business expenditure on research and development, improve the benefits to the wider economy from business development assistance, and harness the potential of the digital economy.

MBIE's funding and support programmes aim to build a high-performing science and innovation system that will transform New Zealand into a more diverse, technologically advanced, smart nation.

For more information on how we invest, see our Science and Innovation webpages.



MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT
HĪKINA WHAKATUTUKI

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