Introduction to Key Contestable Funds

5th June 2018
• Overview

• Understanding the key contestable funds Part I
  – Marsden Fund
  – Health Research Council (HRC)
  – MBIE Endeavour

• Panel: what funders look for
  – Marsden Fund
  – Health Research Council (HRC)
  – MBIE Endeavour
  – Vision Mātauranga

• Understanding the key contestable funds Part II
  – MBIE Fund (VMCF)
  – MBIE/RSNZ Catalyst
  – MBIE National Science Challenges

• Resources & support
Overview

Purpose
Generate high quality research for the benefit of N.Z

Measures
Excellence + Impact + Business Expenditure
Overview

The National Statement of Science Investment (NSSI), 2015 – 2025
Overview

The NSSI categorise science as:

- Investigator-led e.g. Marsden Fund, CoREs
- Mission-led e.g. HRC, MBIE - Endeavour Fund, NSCs
- Industry-led e.g. Callaghan Innovation, R&D grants, PGPs

Additional funds support science across the whole system:

- Vision Mātauranga Capability Fund
- International relationships e.g. Catalyst Fund
- Science in Society e.g. Unlocking Curious Minds Fund
Overview

Key Contestable Funds, 2015

- Marsden Fund: 25%
- Centres of Research Excellence: 8%
- Health Research Council: 11%
- Ministry of Business, Innovation & Employment: 28%
- National Science Challenges: 20%
- Business Research & Development: 8%
Purpose

**Investigator-led** - not subject to government’s socio-economic priorities

Supports **top-level, cutting-edge** research in science, engineering, social sciences and the humanities

Supports **new ideas** from **top quality** investigators

Fund Types

**Fast Start** grants – emerging researchers (≤7 years post PhD). $300k in total over 3 years. Assessed by Panels

**Standard** grants – open to all. Up to $960k in total (panel dependent) over 3 years. Assessed by Panels.

**Marsden Council Award** – open to all. New award type for 2018. For large interdisciplinary projects. Up to $3M over 3 years. Assessed by Marsden Fund Council.

Panels

- Biomedical Sciences
- Cellular, Molecular and Physiological Biology
- Earth Sciences and Astronomy
- Ecology, Evolution and Behaviour
- Economics and Human and Behavioural Sciences
- Engineering and Interdisciplinary Sciences
- Humanities
- Mathematical and Information Sciences
- Physics, Chemistry and Biochemistry
- Social Sciences
Results

Marsden Results - number of applications submitted and contracted, 2010-2018

- Preliminary proposals submitted
- Invited to submit a full proposal
- Number of successful proposals

<table>
<thead>
<tr>
<th>Year</th>
<th>Preliminary</th>
<th>Invited</th>
<th>Successful</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>131</td>
<td>28</td>
<td>11</td>
</tr>
<tr>
<td>2011</td>
<td>107</td>
<td>25</td>
<td>7</td>
</tr>
<tr>
<td>2012</td>
<td>110</td>
<td>21</td>
<td>8</td>
</tr>
<tr>
<td>2013</td>
<td>129</td>
<td>22</td>
<td>7</td>
</tr>
<tr>
<td>2014</td>
<td>132</td>
<td>24</td>
<td>10</td>
</tr>
<tr>
<td>2015</td>
<td>138</td>
<td>22</td>
<td>9</td>
</tr>
<tr>
<td>2016</td>
<td>122</td>
<td>19</td>
<td>7</td>
</tr>
<tr>
<td>2017</td>
<td>129</td>
<td>37</td>
<td>26</td>
</tr>
<tr>
<td>2018</td>
<td>116</td>
<td>31</td>
<td>31</td>
</tr>
</tbody>
</table>

Marsden Fund - % overall success rates, 2017

- University of Auckland
- University of Otago
- Victoria University of Wellington
- Massey University
- University of Canterbury
- University of Waikato

Success rates range from 0.0% to 25.0%.
Key Selection Criteria

Potential for scholarly impact because of novelty, originality, insight and ambition of proposal

Rigor of proposed research

Ability of the researchers to carry out the research

Potential of the research to contribute to the advancement of knowledge

Contribution to the development of research skills in NZ, particularly those of early career researchers

Process and timing

Registration on the Marsden Fund portal

Two-stage process for Fast Start and Standard applications

Preliminary proposals. Due February 2019

Invited full proposals. Due June 2019

Results released. November 2019

Next Steps

• Start thinking about your Marsden idea NOW!

• Marsden Fund Roadshow - Late October 2018

Resources

• Research support

• Research Development Advisor team: Dr Kate Arentsen, Dr Emma Hughes & Hazel Bruce
Purpose

• HRC is the Government’s principal funding & investment agency for health research
• Focused to achieve health outcomes for New Zealanders

Fund types ($123M in 2019/20)

• Annual Funding Round: Programmes ($5M, 5 years), Projects ($1.2M, 3 years), Feasibility Studies ($0.25M, 2 years), Emerging Researcher First Grants ($0.25M, 3 years), Explorer Grants ($0.15M, 2 years)
• Requests for Proposals: Specific focus e.g. research partnerships
• Career Development: for emerging researchers
• Māori Health Research
• Pacific Health Research

Investment Streams

• Health & wellbeing in NZ +
• Improving outcomes in acute & chronic conditions in NZ, 70%
• Rangahau Hauora Māori, 10%
• Research for NZ health delivery, 20%
Emerging Research First Grants
- $250,000 over three years for research expenses
- < 6 years post-PhD

Career Development
- Sir Charles Hercus fellowship
- Clinical fellowships

Māori and Pacific Health Research
- Summer studentships, Masters, PhD, postdoctoral scholarships
- Knowledge translation grant
- Pacific emerging researcher grants; Sir Thomas Davis Fellowship
- Research Development Grant, Nga Kanohi Kitea, Rangahau Hauora
Results

Health Research Council Results - Number of Projects

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of EOI bids submitted</th>
<th>Number of EOI bids invited to full proposal</th>
<th>Number of full bids contracted</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014/2015</td>
<td>30</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>2015/2016</td>
<td>27</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>2016/2017</td>
<td>23</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>2017/2018</td>
<td>30</td>
<td>12</td>
<td>2</td>
</tr>
</tbody>
</table>

Health Research Council - Benchmark results for projects only, 2016/2017

- Auckland District Health Board: 44%
- Auckland University of Technology: 2%
- Institute of Environmental Science & Research: 4%
- Massey University: 4%
- Medical Research Institute of New Zealand: 2%
- University of Auckland: 4%
- University of Otago: 2%
- University of Waikato: 2%
- Victoria University of Wellington: 4%
- Waikato District Health Board: 2%
- Whakauae Research Services Limited: 2%
Key Selection Criteria
- Rationale for research
- Design & Methods
- Research Impact
- Research Team
- Vision Mātauranga

Application Process
- All proposals are submitted via the HRC Gateway (portal)
- The process & timing varies for each fund

Timing for Projects, 2018
- Registration, 11 July
- Expression of Interest, 18 July
- Full proposal, 14 Nov

Next Steps
- Plan your health research career
- Schedule a research development consultation

Resources
- Research support
- Research Development Advisor team: Dr Jo Innes, Dr Emma Hughes & Hazel Bruce
Innovation funding

• Mission-led research with potential to benefit New Zealand:
  – economic performance
  – sustainability and integrity of our natural environment
  – strengthening our society; social cohesion & equity
• Giving effect to Vision Mātauranga
Innovation funding

- Mission-led research with potential to benefit New Zealand:
  - economic performance
  - sustainability and integrity of our natural environment
  - strengthening our society; social cohesion & equity
- Giving effect to Vision Mātauranga

Fund types

- Endeavour – SMART Ideas + Research Programmes
- Research Partnerships (2018_19)
- Catalyst (Influence; Leaders; Seeding; STRATEGIC)
- Te Pūnaha Hihiko Vision Matauranga Capability Fund
- PreSeed Accelerator
- Regional Research Institutes
- Unlocking Curious Minds
Innovation funding

- Mission-led research with potential to benefit New Zealand:
  - economic performance
  - sustainability and integrity of our natural environment
  - strengthening our society; social cohesion & equity
- Giving effect to Vision Mātauranga

Fund types

- Endeavour – SMART Ideas + Research Programmes
Endeavour Fund

Smart Ideas
1 – 3 years  Up to $1 million total
Projects to rapidly test promising, innovative research ideas.

Research Programmes
3 – 5 years  >$0.5 million per year
Ambitious and well-defined research ideas which high potential to positively transform New Zealand.

Key Selection Criteria
Excellence: Science and Team
Impact: Benefit to NZ and Implementation pathway

Assessment
College of 550 assessors
- **Independent Assessors** (chosen according to expertise) assess all proposals for
- **Impact Panel** assesses Impact
MBIE Endeavour Funding – the process

**Smart Ideas**

1. **Registration**
   - Submit Concepts
   - Assessment of Eligibility, Excellence, and Vision Mātauranga
   - Successful Applicants invited to submit a Full proposal

2. **Concept**
   - Submit Concepts
   - Assessment of Eligibility, Excellence, and Vision Mātauranga
   - Successful Applicants invited to submit a Full proposal

3. **Full Proposal**
   - Submit Full proposal
   - Assessment of Eligibility, Excellence, Impact, and Vision Mātauranga
   - Science Board funding decisions announced

**Research Programmes**

1. **Registration**
   - Submit Full proposal
   - Assessment of Eligibility, Excellence, Impact, and Vision Mātauranga
   - Science Board funding decisions announced

2. **Full Proposal**
   - Submit Full proposal
   - Assessment of Eligibility, Excellence, Impact, and Vision Mātauranga
   - Science Board funding decisions announced

**Research & Enterprise**

- Research support
- Research Development
  - Advisor team: Dr Ross Holland, Rebecca Reed & Hazel Bruce
## MBIE Endeavour Funding - Massey Performance 2017

<table>
<thead>
<tr>
<th>Massey University Smart Ideas</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart Ideas Concepts</td>
<td>10</td>
</tr>
<tr>
<td>Full proposals funded</td>
<td>3</td>
</tr>
<tr>
<td><strong>Success Rate</strong></td>
<td>30.0% (national average 16%)</td>
</tr>
</tbody>
</table>

## Research Programmes

<table>
<thead>
<tr>
<th>Research Programmes</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Programmes Full</td>
<td>6</td>
</tr>
<tr>
<td>Proposals funded</td>
<td>2</td>
</tr>
<tr>
<td><strong>Success Rate</strong></td>
<td>33.3% (national average 17%)</td>
</tr>
</tbody>
</table>
## MBIE Endeavour Funding - Massey so far ..........2018

### Research Programmes 2018

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Investigator</th>
<th>Status</th>
<th>Funding Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Zealand Milks Mean More</td>
<td>Professor Warren McNabb</td>
<td>Invited to Impact assessment</td>
<td>$11,200,000</td>
</tr>
<tr>
<td>Smart Ideas 2018</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functional carbon nanomaterials from harakeke fibres</td>
<td>Dr Xiaowen Yuan</td>
<td>Invited to Full proposal</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>River Doctor</td>
<td>Professor Russell Death</td>
<td>Invited to Full proposal</td>
<td>$885,000</td>
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<td>Assessing New Zealand’s environmental and mineral indicators</td>
<td>Dr Gabor Kereszturi</td>
<td>Invited to Full proposal</td>
<td>$1,000,000</td>
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### Smart Ideas 2018

- **Functional carbon nanomaterials from harakeke fibres**
  - Investigator: Dr Xiaowen Yuan
  - Status: Invited to Full proposal
  - Funding: $1,000,000

- **River Doctor**
  - Investigator: Professor Russell Death
  - Status: Invited to Full proposal
  - Funding: $885,000

- **Assessing New Zealand’s environmental and mineral indicators**
  - Investigator: Dr Gabor Kereszturi
  - Status: Invited to Full proposal
  - Funding: $1,000,000

**Total Potential Funding:** $14,200,000
MBIE are investing for TRANSFORMATIONAL impact for New Zealand:
  - Economic performance
  - Environmental sustainability and integrity
  - Strengthening our society

Your proposal is a sales pitch to convince assessors:
  - your research is worth investing in
  - you know what you are doing and your team can deliver
  - your research is needed in NZ
  - someone/some business or organisation, is waiting to use your research
What do funders look for?

Marsden -
Ass Prof Adriane Rini

MBIE -
Prof Marlena Kruger

Health Research Council –
Prof Bernhard Breier

Vision Mātauranga –
Dr Simon Hills
Te Pūnaha Hihiko
Vision Mātauranga Capability Fund

Purpose
Strengthen capability, capacity, skills and networks between Māori and the science and innovation system

Type of funding

**Placement Scheme**: improve connections between Māori knowledge and research through the placement of individuals.
- Up to $180,000 for up to 24 months

**Connect Scheme**: build skills and capacity for Māori organisations and research organisations to contribute to Vision Mātauranga outcomes.
- Up to $100,000 for up to 24 months

Vision Mātauranga themes

- **Indigenous innovation** – economic growth through distinctive science and innovation
- **Taiao/environment** – environmental sustainability through iwi and hapū relationships with land and sea
- **Hauora/Oranga** – health and social wellbeing
- **Mātauranga** – indigenous knowledge and science and innovation
Purpose
Advancing global science partnerships for New Zealand

Fund types
- **Catalyst Strategic ($250K to $500K):**
  strategic research & large scale pre-research partnerships
- **Catalyst Seeding ($6,000 to $80K):**
  seeds new small / medium pre-research strategic partnerships
- **Catalyst Leaders (Just travel to $150K over 3 years, stipend/expenses):**
  incoming & outgoing targeted fellowships for leaders
- **Catalyst Influence:** supports science sector participation in, and membership of, key international science fora
Purpose
Focus science investment on issues that matter to all New Zealanders.

Focus
Cross-disciplinary, scientist-led programmes
Opportunity for collaboration between researchers from universities and organisations
Create sustainable and long-term outcomes

Timing ($352 M over 10 years)
• 2013 – Plans, core research
• 2016/18 – Contestable funds
• 2018 – Plans, core research
• 2019/202? – Contestable funds

Process
• Sign up with Challenge & RDA
• Request for proposal
• Proposal

Research Development Advisors
• Dr Jo Innes (Lead)
• RDA lead for each challenge
<table>
<thead>
<tr>
<th>National Science Challenges</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A BETTER START</td>
<td>AGEING WELL</td>
<td>BUILDING BETTER HOMES, TOWNS AND CITIES</td>
<td>HEALTHIER LIVES</td>
</tr>
<tr>
<td>E Tipu e Rea</td>
<td>Kae ke kāringi ki te tikanga mātauranga</td>
<td>Ko Ngā wātā Whāngai nei whā kāringa hora hora</td>
<td>He Oranga Hauora</td>
</tr>
<tr>
<td>HIGH-VALUE NUTRITION</td>
<td>NEW ZEALAND'S BIOLOGICAL HERITAGE</td>
<td>OUR LAND AND WATER</td>
<td>RESILIENCE TO NATURE'S CHALLENGES</td>
</tr>
<tr>
<td>Ko Ngā Kai Whai Pāringa</td>
<td>Ngā Kōtūra Tuku Iho</td>
<td>Toitū te Whenua, Toitū te Wai</td>
<td>Kia manawaroa – Ngā Akina o Te Ao Tūroa</td>
</tr>
<tr>
<td>SCIENCE FOR TECHNOLOGICAL INNOVATION</td>
<td>SUSTAINABLE SEAS</td>
<td>THE DEEP SOUTH</td>
<td></td>
</tr>
<tr>
<td>Kia kotahi mai - Te Ao Pūtaiao me Te Ao Hangarau</td>
<td>Ko ngā moana whakauke</td>
<td>Te Kōmata o Te Tonga</td>
<td></td>
</tr>
</tbody>
</table>
Research support

Research and Enterprise

Providing support for your research activities

Make Connections
Research and Enterprise is able to assist you to make connections at Massey, throughout New Zealand and across the world.

Research development
- Massey
- New Zealand
- International
- Research Funding Calendar
- Research Professional

Set up and manage your projects
- Find a Contract
- Establish your Project
- Ethics Approval
- Commercialisation and business development
- Conduct your Research
- Recording

Commercialisation and business development
- Investment
- The Process
- Benefits
- Forms & Agreements
- Case Studies
- Business Development

Researcher Development
- Vibe
- Researcher Development Programmes
- PhD Candidates
- PhD Supervisor Training

Resources
- Make Connections, Research Funding and Managing Projects
- Strategy and Policy
- Request Research or Conference Leave

Massey University Research
- Strategy
- Policy
- IRIS
- System Help

Contact us
- Address details
- Contact a Research & Enterprise Team
Research Development Advisor Team

**Business**
Dr Jo Innes

**Health**
Dr Jo Innes +
Dr Emma Hughes

**Creative Arts**
Dr Jo Innes

**Humanities & Social Sciences**
Dr Emma Hughes

**Sciences**
Dr Ross Holland
Dr Kate Arentsen
Rebecca Reed

**RDA Maori**
Dr Simon Hills

**RDA Pacific**
Dr Emma Hughes

**Group Administrator**
Hazel Bruce
rmsrda@massey.ac.nz