



**MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT**  
HIKINA WHAKATUTUKI

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# MBIE Endeavour Fund

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**2018 Endeavour Round**

**#Endeavour2018**

16 - 27 October 2017



**MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT**  
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# Introduction and Agenda

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- Welcome & Housekeeping
- Agenda:
  - Introduction of the presenters
  - Policy Settings
  - Purpose of the Endeavour Fund
  - 2018 Endeavour Round
  - The ‘Secret’ sauce and 2017 round wrap up
  - Other science funding opportunities
  - Q&A
  - Close



# National Statement of Science Investment (2015-2025)

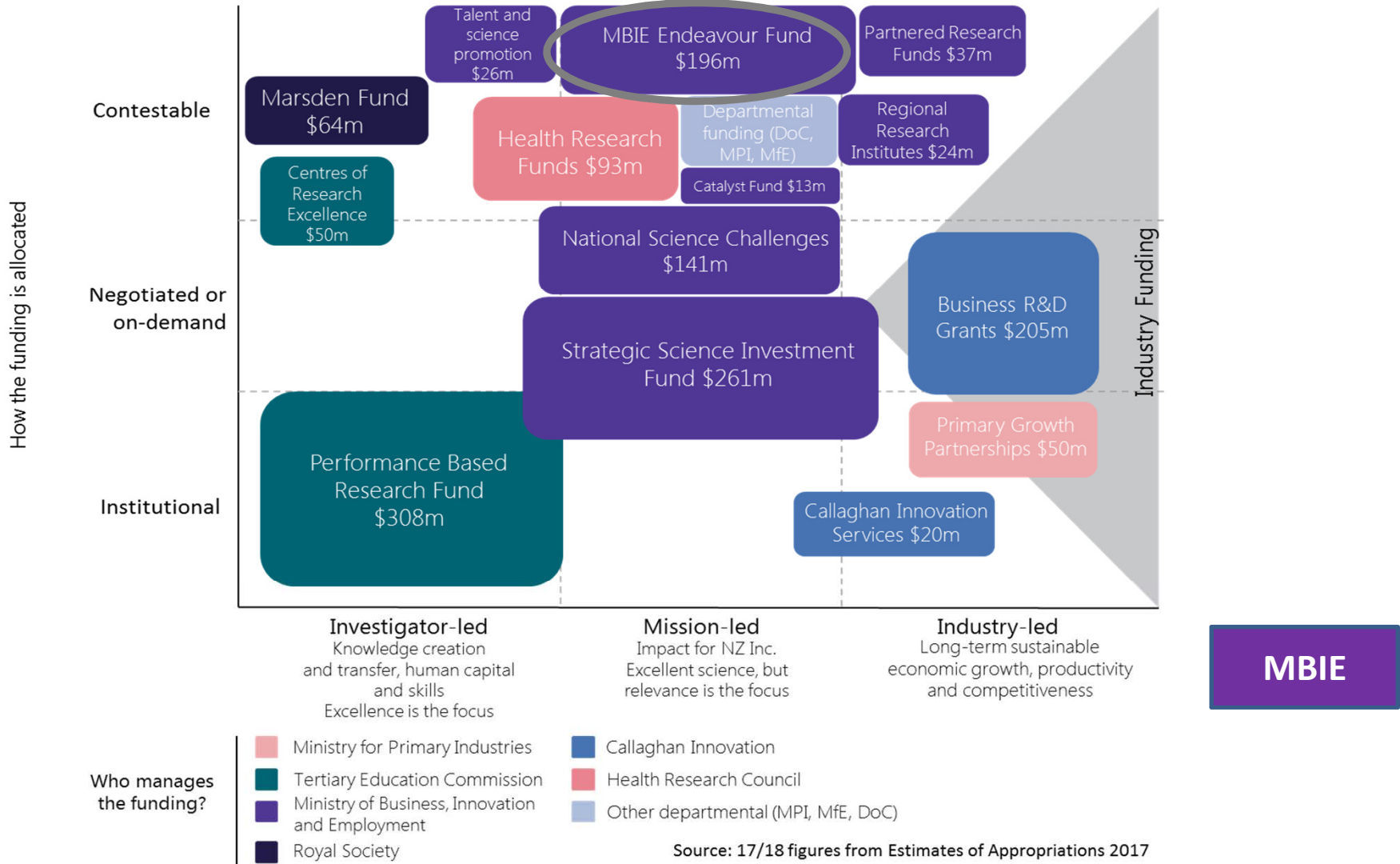
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**National Statement of Science  
Investment 2015-2025** released in Oct  
2015

- Focus is on two pillars:
  - Excellence
  - Impact – economic, environment, social and health.



# Government Science Funding Landscape



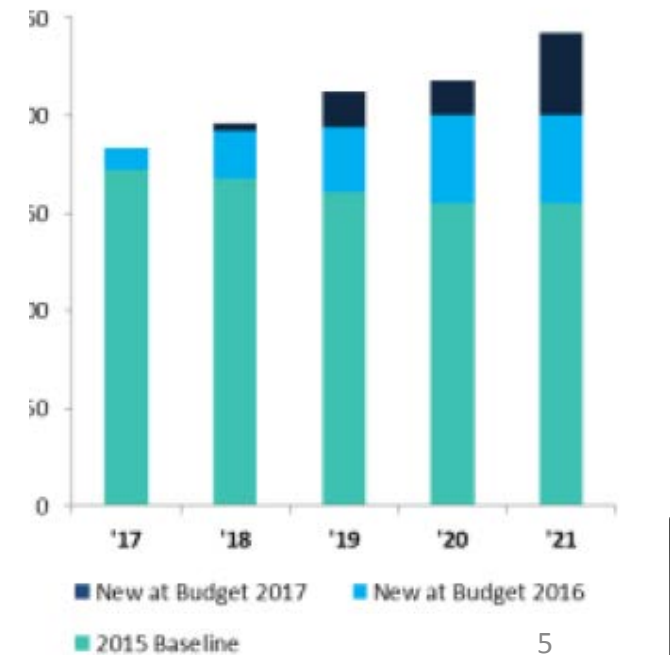
# Purpose of the Endeavour Fund

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Focus on scientific research with potential for long-term, transformational impact for New Zealand:

- Economic performance
- Sustainability and integrity of our environment
- Help strengthen our society
- Give effect to the Vision Mātauranga Policy.

*Note: Research may contribute to improved health outcomes for New Zealanders, but this may not be its primary objectives.*



# Vision Mātauranga

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Vision Mātauranga comes alive when the following principles guide proposals that involve Māori:

- **Partnership**

- genuine co-development with Māori, integrated through the programme
- Not last minute, token or to get “a Māori view”.

- **Reciprocity**

- co-development and contribution each way, sharing of benefits
- Not one way, appropriating Māori knowledge and practices.

- **Empowering Māori**

- active roles and responsibilities for Māori, contributing to Māori capability
- not gratuitous or out of context.

# Endeavour Fund Investment Plan 2017-2020

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## Economic (70%)

- Investments to positively transform NZ's future economic performance, supporting the long-term growth, diversification and resilience of our economy.
- Areas include:
  - ICT, high value manufacturing, primary sectors, energy and minerals, infrastructure, transport, tourism and construction.

## Environment (25%)

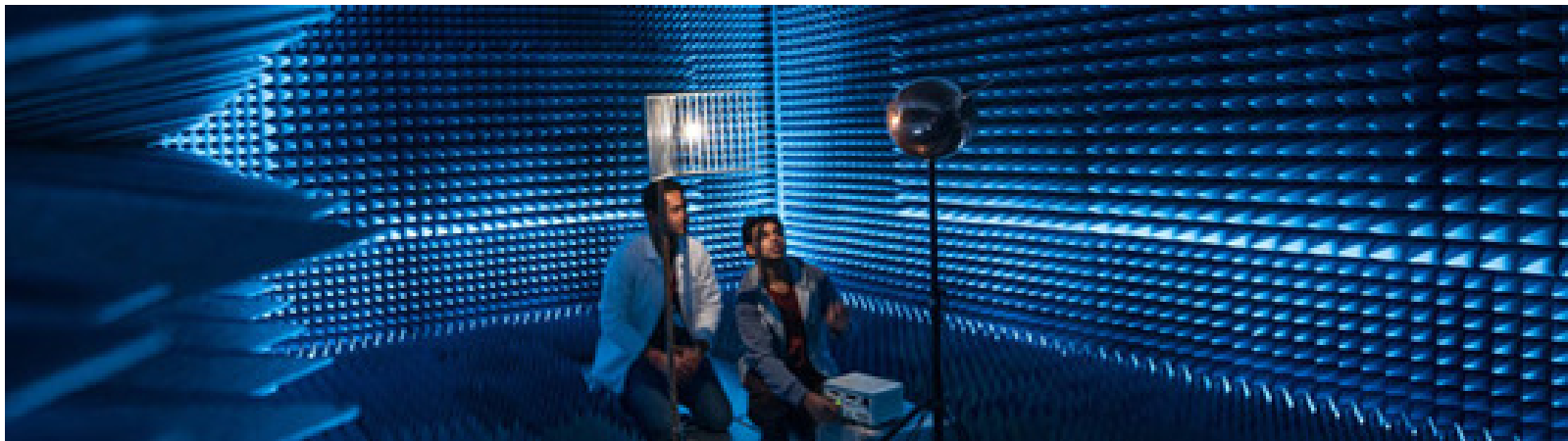
- Investments to improve how we use, monitor and maintain the sustainability and integrity of our natural environment.

## Society (5%)

- Investments to help strengthen our society, increasing social cohesion and equity for New Zealand.



# The 2018 Endeavour Round





# Endeavour Funding available (2018-2020)

Investment mechanism	Indicative funding (\$ M per annum ex GST)	Duration (years)	Funding per contract (\$ ex GST)
Smart Ideas	15.0	2 to 3	\$400k - \$1M over the term of the contract
Research Programmes	43.0	3 to 5	> \$0.5 M per year
<b>Total</b>	<b>58.0</b>		

Decisions may result in funds moving between:

- investment mechanisms
- between or within economic, environmental, social outcome areas

Eligibility criteria: Refer to Gazette Notice

# Smart Ideas:

*“To catalyse and rapidly test promising, innovative research ideas with high potential for benefit to New Zealand, to enable refresh and diversity in the science portfolio.”*

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# Smart ideas: Two-stage application process

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**Concepts:** Assessment of excellence only

**Full Proposals:** Assessment of excellence and impact in concurrent processes.

## **Assessment Criteria:**

### **Excellence**

- Science (weighted **50%**)
- Team (weighted **15%**)

### **Impact**

- Benefit to New Zealand (weighted **25%**)
- Implementation Pathway(s) (weighted **10%**)

# Smart Ideas Timeline

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<b>6 Nov 2017</b>	<b>Closing date for registration</b>
29 Nov 2017	Closing date for concept proposals
April 2018	Applicants notified of Science Board decisions
28 May 2018	Closing date for full proposals
Aug 2018	Science Board makes funding decisions
Sept 2018	Applicants notified of Science Board decisions
1 Oct 2018	Contracts begin

# Hints for Smart Ideas Concepts

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- Executive Summary: Limited words only, use them wisely. Do not include references, hyperlinks or images.
- Explain the novelty and innovations.
- Also explain briefly the attributes of impact in your proposed research.
- *“My Smart Idea is...”*
- Refer to NSSI p.13 for ‘Science Quality’ descriptions.



# Hints for Smart Ideas Concepts

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## Science:

- How are your approaches or ideas are innovative or novel?
- The **significant scientific and technical stretch** contained in the proposed research and the additional benefits those risks will make possible, and how those risks will be managed.
- Be explicit of the international and domestic landscape: has this proposed research already been done somewhere?

# Hints for Smart Ideas Full

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## Impact:

- Benefit to New Zealand (25%)
  - Credibility of the need for, scale and extent of potential benefits from proposed work
  - Relevance and additional value work delivers to New Zealand
- Implementation Pathway (s) (10%)
  - Credibility of indicative implementation pathway(s) to deliver public benefit to NZ (not limited to a single firm or end user) and which may be uncertain in nature

# Research Programmes:

*‘to support ambitious, excellent, and well-defined research ideas which, collectively, have credible and high potential to positively transform New Zealand’s future in areas of future value, growth or critical need.’*

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# Research Programmes

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One proposal and two-stage assessment processes:

## **Excellence**

- Science (weighted **25%**)
- Team (weighted **25%**)

## **Impact**

- Benefit to New Zealand (weighted **25%**)
- Implementation Pathway(s) (weighted **25%**)

# Research Programmes Timeline

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<b>1 Feb 2018</b>	<b>Closing date for registration</b>
5 Mar 2018	Closing date for proposals
May 2018	Applicants notified of Science Board decisions on Excellence
Aug 2018	Science Board makes funding decisions
Sept 2018	Applicants notified of Science Board decisions
1 Oct 2018	Contracts begin for funded proposals

# Hints for Research Programmes

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What is impact?

- One step(s) beyond producing outputs.
- Typically involves someone else doing something with your research.

Output	New knowledge/product
<b>Impact</b>	Organisation X is using the knowledge/product to solve a problem/create an opportunity.

*Important for thinking about what difference your research will make*

# Some of the dimensions of impact that we consider:

**TABLE 1. THE NSSI 'DIMENSIONS OF IMPACT' FRAMEWORK FOR THE WIDER SCIENCE SYSTEMS**

ECONOMIC	ENVIRONMENTAL	HEALTH	SOCIAL
New/improved products and services	Reduced or mitigated environmental impact	Improved population health and health status of disadvantaged groups	Increased knowledge and interest in science
Reduced operating costs or commercial risk	Reduced or mitigated environmental risk	Reduction in health maintenance costs	Understanding of and resilience to real or perceived communal risk
New job opportunities	Improved condition of an environmental asset	Early detection and mitigation of health risks	Stronger social and infrastructure systems and improved techniques for delivery of public services
Improved business and industrial processes	Better understanding of the environment, and characterisation and management of natural capital	Improved wellbeing through development of human and social capital, and removal of institutional barriers	
Value extraction from existing science			
Improvements in public policy advice			
VISION MĀTAURANGA			
Indigenous innovation: economic growth through distinctive R&D	Taiao: Sustainability through iwi and hapū relationships with land and sea	Hauora/Oranga: improved health and social wellbeing	
Mātauranga – explore indigenous knowledge for science and innovation			



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# Important when describing impact

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- Look to deliver broad impact.
- Are there indirect benefits like building capacity, upskilling industry staff in research projects?
- Implementation pathway should be fit for purpose for the stage of the research (e.g. emerging versus established sectors).
- Next users should be mentioned where relevant.
- Describe spill over benefits.
- Publishing results with no further action won't cut it with impact panel.

# 2018 Call for Proposals – Critical Information

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- If you want to submit a proposal, you **must register** via the MBIE IMS portal.
- High level information in registration.
- Registration helps us manage the process including identifying suitable potential assessors for proposals.
- Registrations close:
  - **Smart Ideas 12 noon, 6<sup>th</sup> November 2017**
  - **Research Programmes: 12 noon, 1<sup>st</sup> February 2018**



# 2018 Endeavour Round

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Unchanged from previous investment rounds:

- The **Investment Plan** & the **investment signals** on p.19
- 3-year horizons (2016-2018)
- Assessment criteria
- Eligibility criteria
- **Smart Idea Concept** needs to describe both Excellence and Impact, only Excellence will be assessed

New in 2018:

- **Call for Proposals** now incorporates applicant and portal guidelines
- **Application form** give more space + help texts
- **Privacy Statement in IMS portal**



# Submitting Proposals

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## ANZSRC Codes

- Be accurate
- Be careful if you choose:
  - Division 92: “Improve health outcomes for New Zealanders.”
  - Division 97: “Expanding knowledge”





# The Secret Sauce , 2017 Wrap up and Take Home Messages



# The Secret Sauce... Useful Tips (1)

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- Design with the end in mind.
- Bring right people together
- Be clear.
- Avoid generalities - be specific.
- Co-funding not mandatory.
- Link to relevant strategies – government and sector.

# The Secret Sauce...Useful Tips (2)

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- **Excellence** should be considered in the context of:
  - **Types of research:** Both fundamental and applied science are valid.
  - **Areas of research:** excellent research should be appropriate to the relevant discipline.
  - **Progress and disseminate new knowledge**
  - **Are well-**positioned in the domestic and international research context
  - **Have a well-**managed research plan and credible approach to risk management

# The Secret Sauce... Useful Tips (3)

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- **The Research Programme Impact Panel had these messages for applicants:**
  - Co-design your programmes with end users
  - Differentiate between outputs and outcomes
  - Many impacts require behaviour change by end users
  - Vision Mātauranga matters
  - Applications are read by those with a diversity of sector knowledge.

# 2017 Endeavour Round Wrap Up

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- **Increased funding due to Budget 2017**
  - Due to budget 2017, an increase of \$10M per annum, a total of \$58M per annum was invested.
  - Competition was high with median scores higher than 2016 in both Smart Ideas and Research Programmes.
  - This was split between Smart Ideas \$15.4 M pa and Research Programmes \$42.6M pa.



# Summary of 2017 Endeavour Round

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## Success Rates:

Number of Smart Ideas Concepts submitted	Number of Smart Ideas funded
250	41 (16.4%)

Number of Research Programmes submitted	Number of Research Programmes funded
158	27 (17.1%)

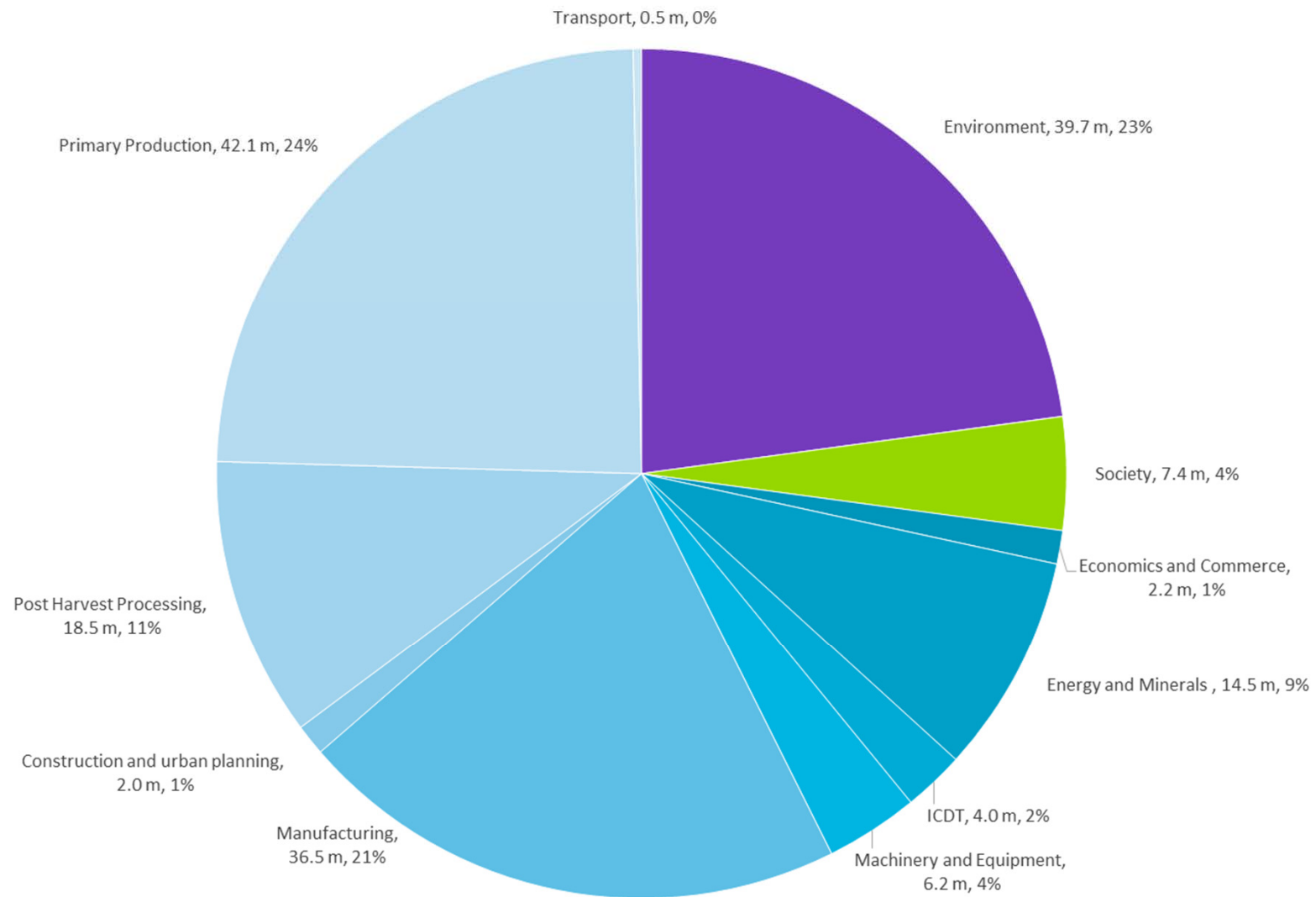


# 2017 Endeavour Round Wrap Up

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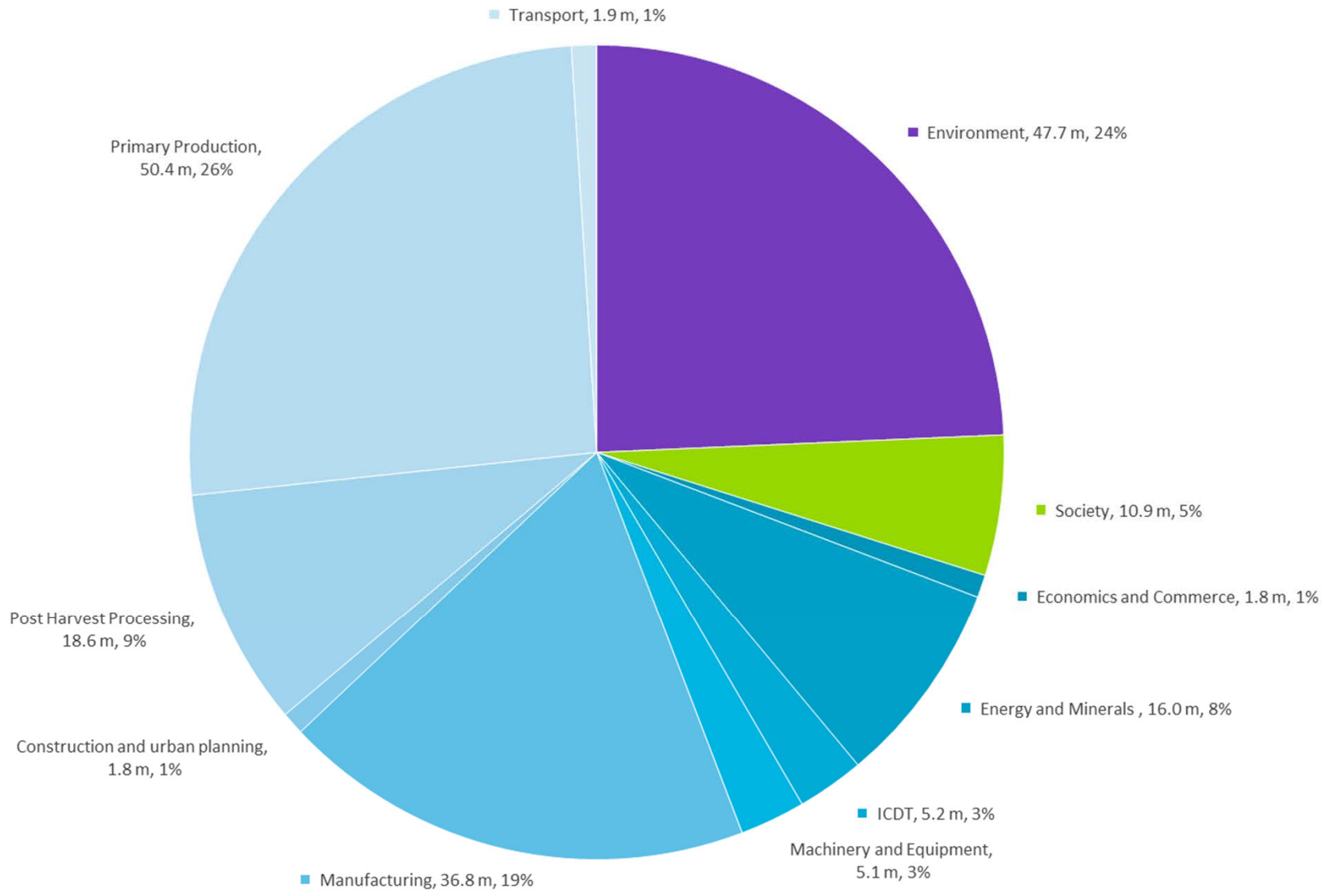
- **Investment Signals and Financially large applications:**
  - The Science Board used the **Investment Signals** in the Investment Plan to balance the portfolio to a higher degree this year,
  - There was an increased number of **financially large Research Programme applications** with the average application increasing in size from \$5.5 million to \$8.2 million from 2016-2017.

# 2016/17 Total Endeavour Fund Profile





# 2017/18 Endeavour Fund Profile



# Take home Messages...

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- **Application titles and Public Statements**
  - Use meaningful titles that are descriptive of the work involved
  - Tell the story of your research in language that the general public *and* journalists will understand
  - Be concise and precise. Avoid jargon
  - Make the outcomes and benefits clear – illustrate with examples
  - Run it past your comms team

# Take Home Messages...

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- **New or emerging sector**

- If a sector is new or **emerging**, or only affects a narrow range of companies, then a vision of how the research will contribute to building a sector that will transform New Zealand in the future, or how the technology may affect multiple sectors in the future is needed.
- What makes this sector a significant opportunity for New Zealand in the future?

# Take Home Messages...

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- **End users:**
  - Some applications whose **end users** were government or other policy makers did not have strong input from the policy makers in designing the research and in engaging them during the research
  - Some **programmes collecting data** did not state who would use the data and for what purpose
  - We encourage co-design your programmes with end users.

# Take Home Messages...

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- **Science stretch**
  - We continue to encourage science stretch.
  - The science needs to be well managed.
- **Capturing Benefits within New Zealand**
  - If you are considering licencing off-shore, think about what benefits will accrue in New Zealand.

# Want to know more from MBIE?

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## **We can** explain the:

- process
- use of the Portal and resolve Portal problems.

## **We cannot:**

- interpret the Call for Proposals
- provide specific advice about your proposal.

# Contact us

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## Further questions on the process, CfP or content?

Email [investmentround@mbie.govt.nz](mailto:investmentround@mbie.govt.nz)

## Further questions on the portal or submitting applications?

Email [IMSsupport@mbie.govt.nz](mailto:IMSsupport@mbie.govt.nz)

Call 0800 693 778 8.30am – 4.30pm

Web <http://www.mbie.govt.nz/info-services/science-innovation/investment-funding/current-funding>

# Other MBIE Funding Opportunities





# Other MBIE funding opportunities

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- Catalyst: Seeding (close on Thursday 19 Oct)
- Vision Mātauranga Capability Fund
- Antarctica platform

Visit the MBIE website for more information:

<http://www.mbie.govt.nz/info-services/science-innovation/investment-funding/current-funding>

# Accessing Infrastructure Platforms

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## New Zealand eScience Infrastructure (NeSI)

- NeSI provides a range of services, people, expertise, and information to help computational research projects become reality

To apply for access or find out more visit [www.nesi.org.nz](http://www.nesi.org.nz)  
or contact [support@nesi.org.nz](mailto:support@nesi.org.nz).



## RV Tangaroa

[www.niwa.co.nz](http://www.niwa.co.nz)

## Australian Synchrotron

[www.synchrotron.royalsociety.org.nz](http://www.synchrotron.royalsociety.org.nz)

# Questions?

