MBIE as an Investor

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Contestable Investments

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MBIE as an Investor: 
Looking for Research Landscape
New Zealand Geothermal Research Roadmap

Overview of the Energy Research Strategy Development

New Zealand Energy Strategy 2014-2021
(The Government's strategic direction for the energy sector)
Goal: To grow NZ's exports and the economy through secure, competitively priced, and an environmentally responsible energy.

Other Government Strategies
Strategic intent in other relevant areas including: Business case in agenda includes: attracting reinvesting, improving innovation, developing skills, and improving the productivity of resource-based businesses while reducing their environmental impact.

(The Government's programme of support for and intervention in the energy sector)
Goal: Support NZ to be an energy efficient and low emissions economy.

Energy Research Strategy Development
Stage 1 (this document)
Identify key issues, opportunities and risks that are arising in the energy sector.
- Have a significant national impact.
- Are beyond the capacity of individual businesses or sector groups to address.
- Are relatively unique to NZ, and not likely to be solved by overseas research (as New Zealand could 50% while to international efforts).

Stage 2 (to follow consultation on Stage 1)
To develop specific research programmes and priorities to address each of the identified key issues.

NZ's Energy Sector, Users, and their representatives
Sector: Energy resource extraction, conversion, and energy distribution.
Users: (in order of significance)
- Transport sector: Industrial, Residential, Commercial, and Primary sector. The energy sector is a major user of energy.
- Research strategy focuses on research initiatives that would benefit the country, but are beyond business as usual for the sector and its users.

Draft Geoheat Strategy

Geoheat Strategy

Download it: Geoheat Strategy for New Zealand – 2016 Draft (pdf, 599KB)

The New Zealand Geoheat Strategy, hosted by the New Zealand Geothermal Association, is an industry-led initiative seeking to increase direct geothermal heat use from our nation's geothermal resources.

The draft strategy has been developed consultatively through 2015 and 2016 with the geothermal industry, heat users, Māori, government (local, regional, central), economic development agencies and others.

The opportunity for comment on the draft document closes at the end of May 2016 and the draft document is now being reviewed for the final 2016 Edition release.

The 2016 Edition will be posted on this webpage when it is completed.
Research Roadmap

“to map research and innovation activity, investment, interacting networks and output may be helpful when making decisions about funding and developing capability”
Examples of topics that Research Roadmap include:

- Analysis of expenditure: “who funds what and where?”
- Government strategies, areas of opportunities
- Current research staff employed, services providing
Examples of topics that Research Roadmap include:

- Downstream: what are the results? Track record? Progress or productivity improvement, quality of research and identification of impacts.
MBIE as an Investor: Looking for Impacts

Auckland 13 July 2016
Impact - Investing vs Funding

“the direct and indirect influence of research or its effect on an individual, a community, or society as a whole, including benefits to our economic, social, human and natural capital”
Roles

- Investors
- Researchers and/or Entrepreneur
- Customers

Options:
- Resources
- Solutions

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Roles

Environment

Society

Economy

Investors → Resources → Inventors and/or Entrepreneur → Solutions → Customers
Endeavour Fund (aka Contestable Research Fund)

• Smart Ideas
  • catalyse and rapidly test promising research
  • high potential for benefit for New Zealand
  • refresh and diversity in the science portfolio.

• Research Programmes
  • ambitious, excellent and well-defined research ideas
  • credible and high potential to positively transform our future
Assessing Impact

“If “Excellence” is about your “Research Hypothesis” then “Impact” is about your …

“Market hypothesis”

• Who / Why – who’s problem is it
• How big is the problem
• What can you do to solve the problem – and has some one already solved it?
• How do you get your solution to the buyer(s) - pathway
Seeking your feedback: The Impact of Science

• MBIE is seeking feedback on this discussion paper examining the concept of impact to the science system.

• Feedback is sought by 29 September
Questions?