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Page 2: Section 1: submitter contact information

Q1

Name

Nihal Kularatna

Q2

Email address

Privacy - 9(2)(a)

Q3

Yes

Can MBIE publish your name and contact information with your submission?
Confidentiality notice: Responding "no" to this question does not guarantee that we will not release the name and contact information your provided, if any, as we may be required to do so by law. It does mean that we will contact you if we are considering releasing submitter contact information that you have asked that we keep in confidence, and we will take your request for confidentiality into account when making a decision on whether to release it.

Q4

Yes

Can MBIE contact you in relation to your submission?

Page 3: Section 2: Submitter information

Q5

Individual

Are you submitting as an individual or on behalf of an organisation?

Page 4: Section 2: Submitter information - individual

Q6

Yes

Are you a researcher or scientist?

Q7

Age

Privacy - 9(2)(a)

Q8

Gender

Q9

In which region do you primarily work?

Q10

Ethnicity

Page 5: Section 2: Submitter information - individual

Q11

Respondent skipped this question

What is your iwi affiliation?

Page 6: Section 2: Submitter information - individual

Q12

Respondent skipped this question

If you wish, please specify to which Pacific ethnicity you identify

Page 7: Section 2: Submitter information - individual

Q13

University

What type of organisation do you work for?

Q14

No

Is it a Māori-led organisation?

Q15

Engineering,

Which disciplines are most relevant to your work?

Physical sciences

Q16

It does not contain Mātauranga Māori

What best describes the use of Mātauranga Māori (Māori knowledge) in your work?

Page 8: Section 2: Submitter information - organisation

Q17

Respondent skipped this question

Organisation name

Q18

Respondent skipped this question

Organisation type

Q19

Respondent skipped this question

Is it a Māori-led organisation?

Q20

Respondent skipped this question

Where is the headquarters of the organisation?

Q21

Respondent skipped this question

What best describes the use of Mātauranga Māori (Māori knowledge) in your organisation?

Page 9: Section 3: Research Priorities

Q22

Priorities design: What principles could be used to determine the scope and focus of research Priorities?(See page 27 of the Green Paper for additional information related to this question)

Policy developers and MBIE should concentrate on (i) national wealth creation, (ii)developing a technology based knowledge economy (iii) while maintaining policies for preserving environment.

Q23

Priority-setting process: What principles should guide a national research Priority-setting process, and how can the process best give effect to Te Tiriti?(See pages 28-29 of the Green Paper for additional information related to this question)

Country should prioritize on funding research leading to new and commercially useful technologies. By merely prioritizing on publications-generating funded research, we do not encourage innovation and commercialization for wealth creation.

Q24

Operationalising Priorities: How should the strategy for each national research Priority be set and how do we operationalise them?(See pages 30-33 of the Green Paper for additional information related to this question)

It may be appropriate for the government to appoint a group to document on how the last ten years of government funding such as Marsden, Callaghan and MBIE has been effective in achieving good longer term results for country's technology and science growth. We should critically see if we have supported more pure sciences oriented research, or industry oriented / commercially useful outcomes.

Page 10: Section 4: Te Tiriti, mātauranga Māori, and Māori aspirations

Q25

Engagement: How should we engage with Māori and Treaty Partners?(See page 38 of the Green Paper for additional information related to this question)

Make sure that in science and engineering we encourage more Maori students to enroll. Have significant number of (science and engineering) entry path way courses free of charge for Maori students. This should include inspirational workshops for school leavers.

Q26

Mātauranga Māori: What are your thoughts on how to enable and protect mātauranga Māori in the research system? (See pages 38-39 of the Green Paper for additional information related to this question)

Provide specific research funding for encouraging Maori community to learn what modern sciences and technology directions, and how they help in improving quality of life.

Q27

Regionally based Māori knowledge hubs: What are your thoughts on regionally based Māori knowledge hubs?(See page 39 of the Green Paper for additional information related to this question)

Nothing to comment on.

Page 11: Section 5: Funding

Q28

Core Functions: How should we decide what constitutes a core function, and how do we fund them?(See pages 44-46 of the Green Paper for additional information related to this question)

Core functions should support (i) reducing dependency on imported oil/ coal etc. (ii) developing practically implementable technologies to encourage energy efficiency in a national, regional and community level projects. (iii) support commercially oriented projects in developing technologies related to electronics, information technology and efficient use of natural resources, agriculture capacity etc.

Q29

Yes

Establishing a base grant and base grant design: Do you think a base grant funding model will improve stability and resilience for research organisations?(See pages 46-49 of the Green Paper for additional information related to this question)

Q30

Establishing a base grant and base grant design: How should we go about designing and implementing such a funding model?(See pages 46-49 of the Green Paper for additional information related to this question)

Have a wider group of academics and industry leaders to prepare five to ten priority areas of grant based funding. Do not overly-fund pure sciences only oriented projects.

Page 12: Section 6: Institutions

Q31

Institution design: How do we design collaborative, adaptive and agile research institutions that will serve current and future needs?(See pages 57-58 of the Green Paper for additional information related to this question)

Reduce administrative layers in our university system, and make the management layers to directly communicate with academics and researchers. Encourage crown institution researchers to come as visiting lecturers on a mandatory basis.

Q32

Role of institutions in workforce development: How can institutions be designed to better support capability, skill and workforce development?(See page 58 of the Green Paper for additional information related to this question)

University research offices, commercialization groups to interact frequently with industry to understand and support better research projects, which helps developing the NZ companies to be internationally competitive.

Q33

Better coordinated property and capital investment: How should we make decisions on large property and capital investments under a more coordinated approach?(See pages 58-59 of the Green Paper for additional information related to this question)

Analyze university and CRI budget utilization in terms of management salaries, academic/ researcher salary, and institutional infrastructure (dedicated to new laboratories, and research institutions etc). Do not approve building projects which are only for administrative use only.

Q34

Institution design and Te Tiriti: How do we design Tiriti-enabled institutions? (See page 59 of the Green Paper for additional information related to this question)

Not knowledgeable to comment

Q35

Knowledge exchange: How do we better support knowledge exchange and impact generation? What should be the role of research institutions in transferring knowledge into operational environments and technologies?(See pages 60-63 of the Green Paper for additional information related to this question)

Do not expect research project funding to generate scientific publications, and citation indexes. Go for more commercially oriented, research and development projects than publication-encouraged projects. Encourage annual trade shows, with good overseas participation, and, our industry, academia and research institutions encouraged to manage the events.

Page 13: Section 7: Research workforce

Q36

Workforce and research Priorities: How should we include workforce considerations in the design of national research Priorities?(See pages 69-70 of the Green Paper for additional information related to this question)

Encourage STEM areas to thrive in university education system, with free funding for Year 1, and final year scholarships for best performers. This is expected to supply more STEM outputs to our local industry with design, development capability to generate more wealth-creating opportunities for NZ industry.

Q37

Base grant and workforce: What impact would a base grant have on the research workforce?(See pages 70-71 of the Green Paper for additional information related to this question)

Develop career-development grants for best performers in STEM, to take an academic development path or a professional development path as two clear alternatives.

Q38

Better designed funding mechanisms: How do we design new funding mechanisms that strongly focus on workforce outcomes? (See page 72 of the Green Paper for additional information related to this question)

Work force development oriented funding should be more practically oriented training with frequent continuing professional development (CPD) courses. These may be done through professional bodies of the country.

Page 14: Section 8: Research infrastructure

Q39

Funding research infrastructure: How do we support sustainable, efficient and enabling investment in research infrastructure?(See pages 77-78 of the Green Paper for additional information related to this question)

Please make sure that the same group of researchers or senior individuals (with reputation) do not get frequent and subsequent funding. Give more opportunities for the early and mid career researchers, who act as leaders, in grant applications, with multiple senior researchers supporting them as mentors and advisors.
