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OPMCSA

Office of the Prime Minister's Chief Science Advisor Kaitohutohu Mātanga Pūtaiao Matua ki te Pirimia

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Prime Minister's Chief Science Advisor Workshop

Kaitohutohu Mātanga Pūtaiao Matua ki te Pirimia



Connecting Researchers and Policymakers

Tāmaki Makaurau | Auckland 20 February 2024

Agenda

1:40pm Registration

2:00pm Mihi whakatau

2:05pm Welcome and scene setting

Juliet Gerrard

2:10pm Frank Bloomfield and Wendy Lawson

2.15pm Session 1:

George Slim, Pressures facing the policy analyst trying to connect to researchers

Juliet Gerrard, Research connections to policy

2:45pm Session 2:

Gill Jolly and Emily Parker, Hikina Whakatutuki | Ministry of Business, Innovation & Employment, Building the science

base in Aotearoa New 7ealand

3.00pm Break

3.10pm Session 3:

Panel discussion led by CSAs with a focus on learning from case studies

4.50pm Session 4:

Alison Collins, The Bridge: Reflections on Science-Policy

Ashley Bloomfield, Increasing the public impact of Universities' research

5:00pm Session 5:

Speed dating and networking with drinks and nibbles – with thanks

to the Australasian Research Managers Society

6.30pm Close





VISION for the role

a trusted, accessible bridge between scientists, society and government

PRINCIPLES*

Rigorous, Inclusive, Transparent, Accessible

*Nature, June 2018: Four principles to make evidence synthesis more useful for policy

Session 1

George Slim

Pressures facing the policy analyst trying to connect to researchers

Juliet Gerrard
Research connections in policy



Pressures facing the policy analyst trying to connect to researchers

George Slim Senior Advisor

Office of Prime Minister's Chief Science Advisor, Kaitohutohu Mātanga Pūtaiao Matua ki te Pirimia

Universities New Zealand and DPMC project on knowledge sharing between academics and policymakers

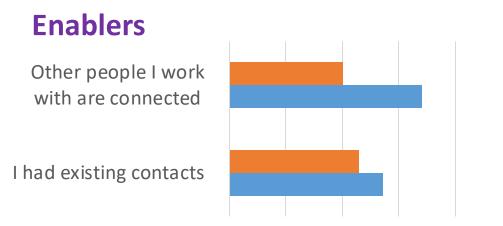
Enablers

- Relationships
- Chief Science Advisors
- Conferences and other forms of knowledge exchange
- Collaborative initiatives
- Movement of staff
- Key research databases

Barriers

- Ways of working are not aligned
- Poor connections
- Lack of incentives
- Gaps in capacity
- Gaps in relevant research
- Commercial arrangements

OPMCSA email survey on connections



What would help?

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20%

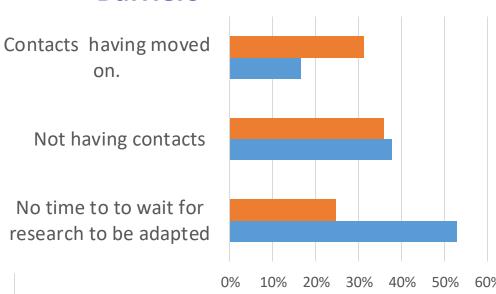
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60%

80%



Barriers



Academics
Policy makers

People said:

Researchers need to be independent, and at arms'-length from political pressures

People I know have connections

Having policy-makers trained in how to connect to researchers

Who are the policy makers and how even would one connect with them?

I think policymakers are constrained and, despite the best of will, are often unable to adopt recommendations.

I think the answer is "I can find sufficiently good information without connecting to researchers, and I don't know who I should approach for more detail on particular questions when I can't find information"

Senior policy managers who do not value evidence or research, but instead prioritise "good policy advice".

Researchers not focusing on the key information gaps

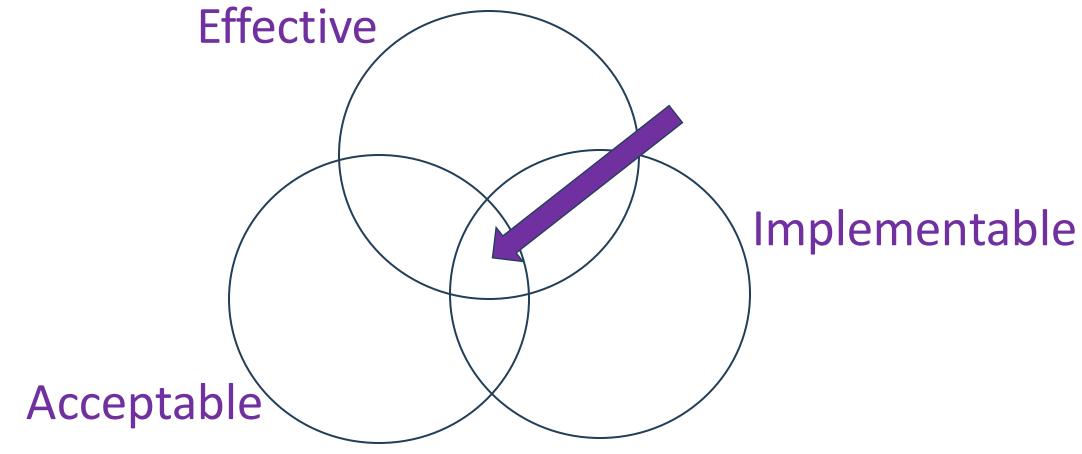
I am an ECR, having just completed my PhD. I have this week reached out to a policymaker

Policy makers not being open to something that did not fit their ideas of evidence

I do not believe they would take any notice

We develop relationships with academics and keep them informed of policy interest.

Good Policy



Resources: <u>DPMC Policy Project</u>



Cate Roy's project on policy connections



Hannah McKerchar's resources for getting started





Researchers connecting to policy

Juliet Gerrard

Office of Prime Minister's Chief Science Advisor, Kaitohutohu Mātanga Pūtaiao Matua ki te Pirimia

Providing science advice into policy

- Science is never the only advice
- Science is good at defining the problem
- Science is good at identifying options
- Science struggles with definitive timely answers
- Politicians have to make decisions in defined timeframes
- Policy makers have to implement those decisions
- Presenting the "facts" rarely changed anyone's mind
- Science debate should not be a proxy for values debate



The most effective science advice is delivered just

On average, children living in non-fluoridated areas have 1.7 times as many decayed, missing or filled teeth than

those in fluoridated areas

ahead of the policy agenda



Rethinking Plastics in

Effective science advice includes ...

- Research other than your own
- A broad understanding of the government context
- A detailed appreciation of who in particular would value your advice

- A broad understanding of the stakeholder landscape
- A broad understanding of what other countries do in your area at the research-policy interface





Ngā mihi nui

Questions?

Session 2

Gill Jolly and Emily Parker
Building the science base in Aotearoa New Zealand

Ministry of Business, Innovation & Employment | Hīkina Whakatutuki

Session 3

Kate Parkes, Tracey McIntosh and Ian Lambie

Gang Harm Insights Centre

Ministry of Social Development | Te Manatū Whakahiato Ora

Justice Sector



The Gang Harm Insights Centre

OPMCSA Panel Presentation

February 2024

The Gang Harm Insights Centre (GHIC)

A multi-agency team focused on better understanding the New Zealand Adult Gang (NZAG) environment, while focusing on the social structures that underpin harmful behaviours. We seek to provide a holistic understanding of the harm caused by, to, and within the gang environment.

We actively partner to deliver holistic, actionable, and timely insights, enabling agencies to empower communities in making a difference to gang-related harm.

We seek to change the focus from preventing gang membership and growth, to addressing the factors influencing the behaviours and criminality often synonymous with gang membership.

Ka mua, ka muri Looking back to move forward



We champion the principles of Te Tiriti o Waitangi and mātauranga Māori.

























Our Approach



Life Course Perspective

 We use research and insights to show how life experiences from birth to old age shape who we are, and our access to opportunities that support individuals and whānau to thrive



Working Together

- We build reciprocal partnerships with communities
- We recognise we only have half the picture if we do not hear, and amplify in our work, their experiences



Diverse Frameworks

- We acknowledge that different cultures understand evidence and insights differently
- We strive to build a centre that supports different cultural perspectives

"Listen to our voices and help us solve problems together"

A member of an adult gang on working together

Big Picture – our role in the System & creating thriving communities

- Systems shift required to create individual shifts
- Engagement & collaboration
- Holistic understanding
- Mindset shift
- Strengths based approach
- Consistent messaging
- Community has the solutions

For communities
to thrive, effective
engagement must
be trauma informed
and involve
a wrap-around
collaborative
approach.

"Listen to our voices and help us solve problems together"

A member of an adult gang on working together

Independent Report on Gangs in Aotearoa

- Hugely positive
- Wider awareness of the mahi of the GHIC
- Useful timing
- Risk around contrary evidence



Gang Harm Insights Centre

Questions?

Kate Parkes:

Kate.Parkes@police.govt.nz

GHIC Inbox:

GHIC@police.govt.nz



"To bring true effect to the spirit of service as a public service leader we have to listen, understand our communities needs and aspirations, then seek to ensure we enable that through our collective efforts."

Otago/Southland Regional Public Service Commissioner, Steph Voight

GHIC AGENCIES



















Te Kaporeihana Āwhina Hunga Whara prevention. care. recovery.









Towards an understanding of Aotearoa New Zealand's adult gang environment

- Evidence-based policy on polarising social issues creates unique challenges and opportunities
- The issue is not always a knowledge deficit: past experiences, prior understanding, cultural, political and social identity influence how people interact with evidence.
- Disrupting embedded often simplistic narratives and presenting competing explanations effectively means broadening the scope of inquiry, deepening the way we understanding expertise and practicing deep listening of diverse invested communities.
- Relationships are our lifeblood
- Diversity and the depth of those relationships are key



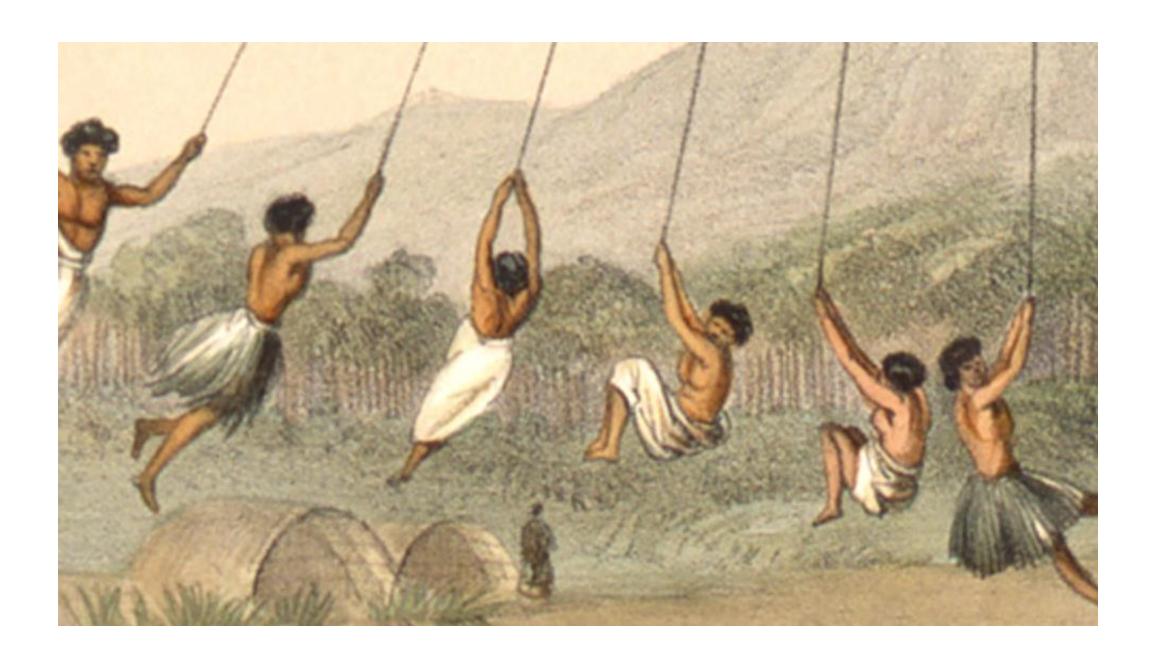
Rethinking Expertise: Peer review Eugene Ryder

- 'Gangs are difficult to define': Even when patched my response to the question "are you in a gang" was and remains a resounding "NO" usually followed by "I am Black Power".
- 'It is difficult to obtain reasonable data that speaks to the numbers of children and young people in gang environments, and it is not clear whether children born into gang whānau will inevitably remain in a gang themselves': Even the notion of 'a gang environment' is subjective. ALL tamariki that have 'members' as parent or primary caregiver are effectively in a 'gang' environment. However individual whānau determine what that 'environment' looks and feels like. For example, my personal whānau environment includes kōhanga reo/kura engagement, kapa haka and diving. Yet my association with BP has been deemed a 'risk' if applying for parole for my son or caregiver responsibilities for any of my mokopuna when they are 'in care'. An example of assumptions made by way of association rather than behaviour.

Rethinking Expertise: Peer review Eugene Ryder

• Researchers have established various frameworks and theories to understand gangs. These can be described at a macro-level with theories such as Interactional or Social Disorganisation to explain why gangs exist:

Rangatahi that are more likely to end up in gangs have minimal choices of where to go (socially) and who to trust. Gang whānau tend to have an open-door policy to new members to join. Who else opens their doors for these rangatahi? In some instances, even marae are not welcoming.



Session 3

Stuart McNaughton, Julia Novak, Campbell Birch, Jared Carpendale and Melinda Webber

Ministry of Education | Te Tāhuhu o Te Mātauranga Massey University | Te Kunenga Ki Pūrehuroa University of Auckland | Waipapa Taumata Rau

Session 3: Case Study

He Uru Kahikatea

Building young people's resilience through media and information literacy and digital citizenship skills.

Stuart McNaughton, Melinda Webber, Jared Carpendale, Julia Novak and Campbell Birch



Massey University | Te Kunenga Ki Pūrehuroa

Ministry of Education | Te Tāhuhu o Te Mātauranga

University of Auckland | Waipapa Taumata Rau

Context

- 1. Commissioning¹ by PM Ardern, part of a series of work streams across government tackling the challenge of 'polluted information'
- **2. Responsive** context provided by previous general reports by PMCSA and social sector CSAs (2018), and ongoing advice (eg *literacy, communication and maths strategy*)
- 3. Availability of local and international evidence: (a) the issues (b) possible responses
 - 1. Rapid increase in 15 year olds use of internet: (doubled from 2012)
 - 2. Presence of 'polluted' information

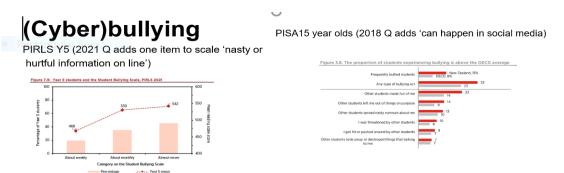


3. Few skills with 'polluted'

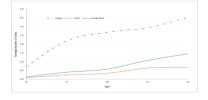
information

Level	Evaluating Evidence	Webpage Comparison	Website Evaluation	Social Media 1	Social Media 2	Home Page Analysis
Beginning	77.4%	92.1%	96.8%	92.8%	95.4%	68.7%
Emerging	13.9%	6.7%	1.4%	6.9%	2.7%	35.6%
Mostery	8.7%	1.2%	1.8%	0.3%	1.9%	4.7%
Total (N	3,119	2,678	2,994	2,431	2.431	2,969

Mastery responses, students evaluated online content by investigating the source of information, by interrogating the evidence presented, or by seeking out information from other reliable sources. Emerging responses were partially incorrect or did not fully articulate sound reasoning. Beginning responses included incorrect or irrelevant strategies for evaluating online information. Breakstone, J., Smith, M., Wineburg, S., Rapaport, A., Carle, J., Garland, M., & Saavedra, A. (2021). Students' civic online reasoning: A national portrait. Educational Researcher, 50(8), 505-51 https://doi.org/10.3102/031892/1017495



But also digital argumentation skills



Single support one's own position

Dual adds critique of the opposing position

Integrated considers weakness in one's own
and strength in opposing positions;
weighing up to reach a conclusion;

¹Major catalyst Royal Commission of Inquiry into the terrorist attack on Christchurch masjidain https://christchurchattack.royalcommission.nz/the report/findings-and-recommendations/chapter-5/Recommendation 36

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Key Messages (not recommendations) in 7 areas

- 1. Media and information literacy and digital citizenship (both)
- 2. Initial teacher education and inservice professional learning and development
- 3. Support for schools, kura, and teachers
- 4. Equity and Te Tiriti
- 5. A national approach, locally led
- 6. Libraries
- 7. Developing effective tools and measuring progress

- Research from multiple sources
- A broad understanding of the dynamic government context
- A detailed appreciation of who in particular would value [this] advice
- A broad understanding of the stakeholder landscape
- A broad understanding of what other countries are doing
- A broad understanding of implementation

Messages reflect awareness of Enablers and Constraints, Good policy, Implementation science

System level

Strengths and capabilities eg curricula, national strategies, teachers, libraries ... Weaknesses eg measures, evidence informed resources and tools

More general constraints

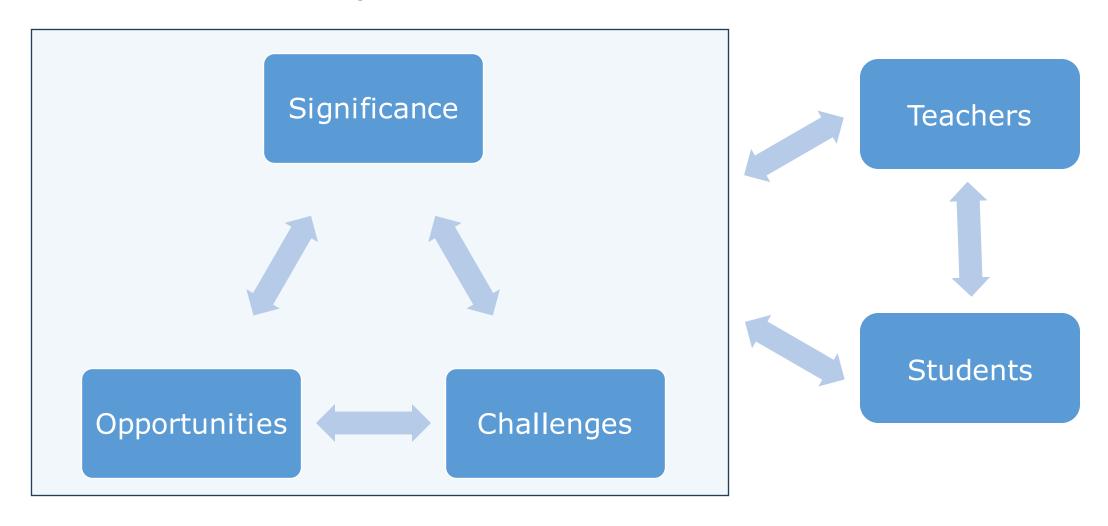
- Low status of educational sciences, generally social sciences
- Shifting government priorities
- 'crowded curriculum'- both schools and Initial Teacher Education
- And other elephants in the room



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Implications for Teacher Education



Wider community

Libraries are resourced to offer support, resources and information sessions for all, including to underserved groups

Marae and iwi are resourced to produce MIL and DC information that reflects and upholds the Māori worldview

NGOs are resourced to produce MIL and DC materials and offer PLD to people who work with youth

MIL and DC information is produced and delivered in different languages to reach all

Promoting MIL and DC is considered a key responsibility across sectors

Can input into the

design, development,

culturally sustaining

and relevant

and distribution of MIL

and DC resources that are

School, kura, ELS, and teachers

Education providers have policies and plans in place to ensure MIL and DC implementation

Leaders are equipped to lead MIL and DC curriculum development

ITE and PLD opportunities to grow teacher confidence and competence

Teachers share good practice with each other, and have a platform to do this on

Have opportunies to monitor and evaluate the effectiveness for MIL and DC resources

> Student activism and peer advocacy in MIL and DC occurs

> > Parents/caregivers/ whānau feed into the providers practices and policies

to address real-life challenges and concerns online

Can use MIL and DC to evaluate and innovate in digital spaces

Can draw on their MIL and DC skills when confronted with polluted information

Young person

Can utilise MIL and DC

Is a discerning producer and consumer as they navigate social media and the online environment

> Their MIL and DC skills draw on personal, collective and cultural worldviews, values, and dispositions

There is a rich and stimulating curriculum that embeds MIL and DC across all subject areas

High-quality PLD and ITE that includes MIL and DC is available to all teachers in all school and kura, and ELS contexts

Adaptable lesson plans and resources are produced and available

A government body coordinates, promotes, and monitors MIL and DC education for young people and the rest of society

Can access opportunities for learning about MIL and DC including in their own language

Equitable access to resources and tools that support their young person's, MIL and DC that uphold their languages, values, and cultural identities

Parents, caregivers, and whānau

Government

schools, students, whānau and the wider community

A whole-of-system approach

to MIL and DC requires MOE

support, leadership and

resource development

relationships between

strong reciprocal

oversight, quality teaching

and teacher preparation, and

Figure 1: Centring the media and information literacy and digital citizenship system around the young person. MIL = Media and information literacy, DC = Digital citizenship.

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Session 4

Alison Collins

The Bridge: Reflections on Science-Policy

Ministry for the Environment | Manatū Mō Te Taiao

Ashley Bloomfield Increasing the public impact of Universities' research

University of Auckland | Waipapa Taumata Rau





Role of [Departmental] Chief Science Advisor

- Like any public servant there to offer free and frank advice – ministers decide how that is used
- Specifically, in role:
 - Advise and review reports, process, capability, strategic direction
 - Translate and simplify
 - Challenge and hold to account
 - Keep safe Our Science Strategy
 - 'Head of profession'
 - Connect and be a conduit

OUR CONTEXT

- Complex operating environment political timeframes, but stewardship challenges
- Dynamic system of socioecological interactions
- Evidence at heart of:
 - Verifying problem
 - Informing pathway
 - Evaluating options
 - Tracking progress
- Trust in our use of evidence critical, particularly against a movement of misinformation and scrutiny



A sciencepolicy fable





The sciencepolicy interface

Pooh's side of the river

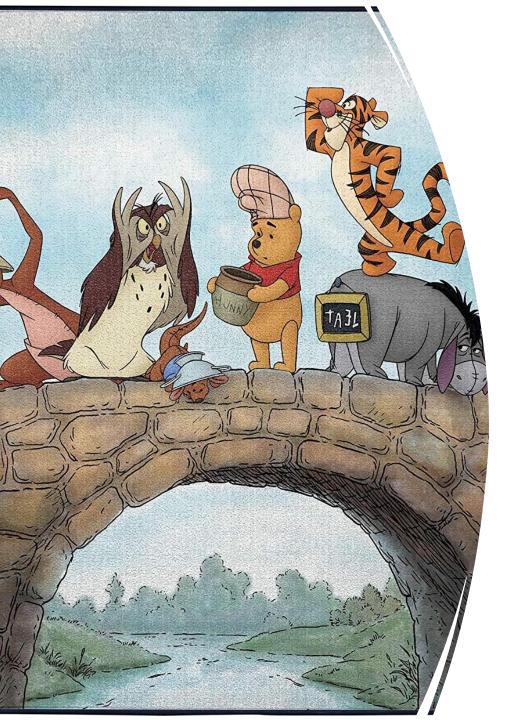
- Deeply analytical
- Motivated by new understanding
- Aims for certainty
- Reputation focus
- Frustrated by policy short-termism



Christopher Robin's side of the river

- Generalist, agile
- Motivated by making a difference
- Little control and limited access
- Delivery focus
- Frustrated by accessibility of science





The bridge - why & what

- Knowing the starting point
- What level advice is needed
- What type of science
- Principles to keep us all safe

The bridge - the how

- Push, pull, or coproduce?
- Lots of activities but need a mix between long-term enduring and real-time fixes



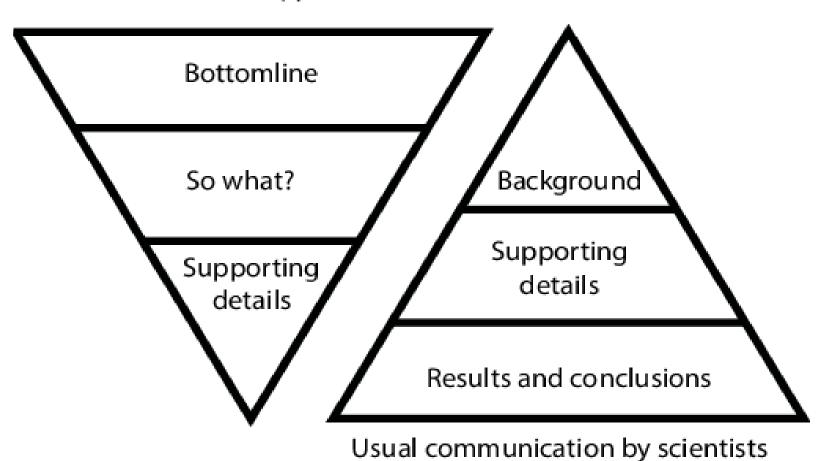
The bridge - who?

- Roles
 - Knowledge brokers, Scientists in the business
 - Secondments, government advisors
- Structures
 - Science advisory panels, Technical review experts
- Culture
 - Our Science Strategy Rautaki Pūtaiao
 - Long-term capability building (creating unicorns!)



Policy briefs – how to think like Christopher Robin

The inverted pyramid





- Step away from Pooh!
- Use the inverted pyramid approach



BACK TO THE FABLE

Session 4

Ashley Bloomfield Increasing the public impact of Universities' research

University of Auckland | Waipapa Taumata Rau

Session 5

Speed dating and Networking



We would really like your feedback, please

What would be the best next steps to connect researchers and policymakers?

1st	Co-operative projects
-----	-----------------------

2nd Help to connect the right researchers and policy people on projects

3rd Theme based discussions

4th Network meetings

Secondments of researchers into government departments and vice versa meetings

6th Nothing else is needed

We would like a more inclusive range of participants at follow-up events, do you have any suggestions?

Join at menti.com, use the code 6165 3107



Ngā mihi nui

