

PATHWAYS TO THE FUTURE

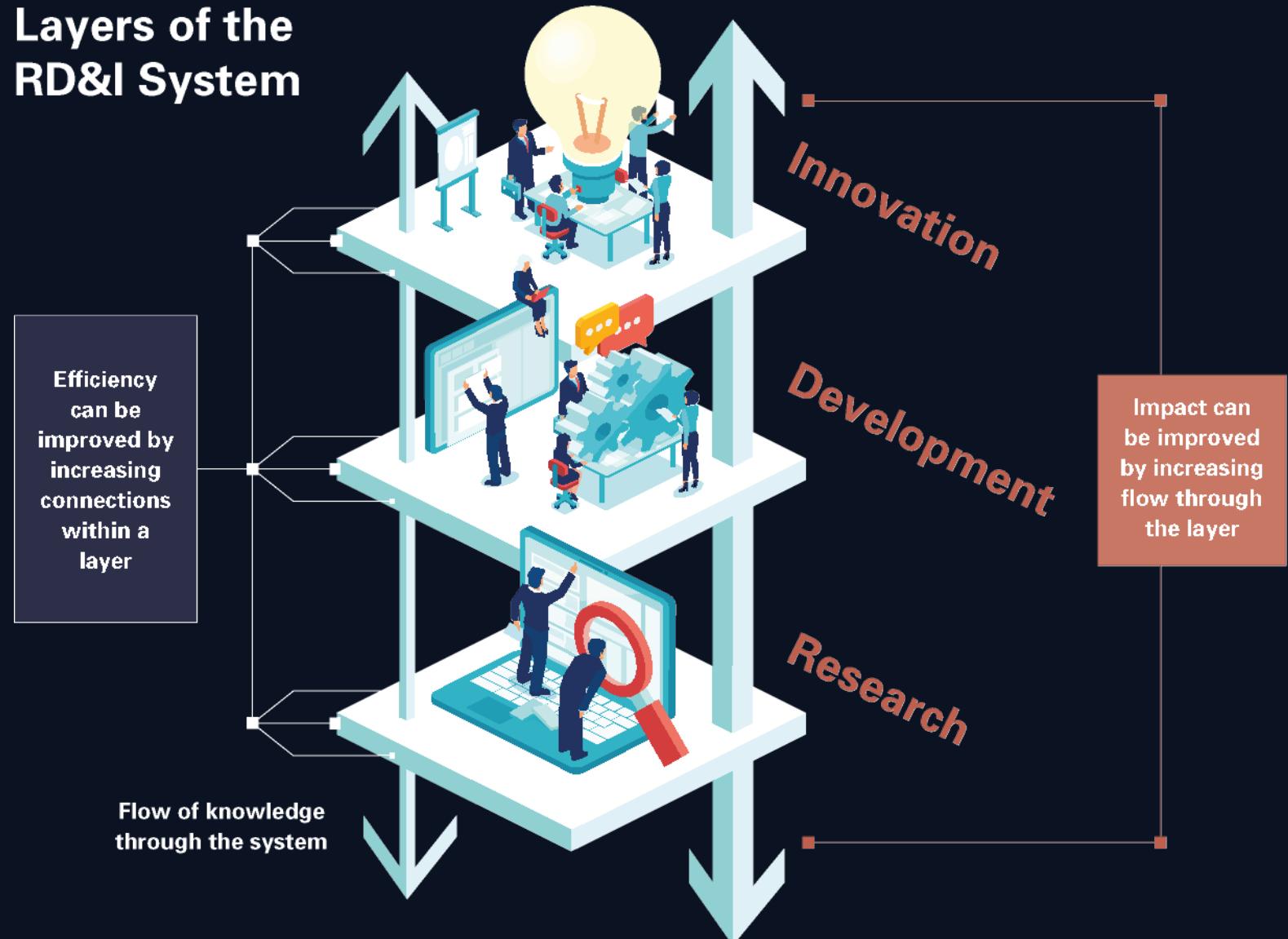
A Presentation for the Natural Health Products NZ Summit

Based on work by the New Zealand Crown Research Institutes | 1 September 2021



There is
more to the
NZ Science
System than
just research

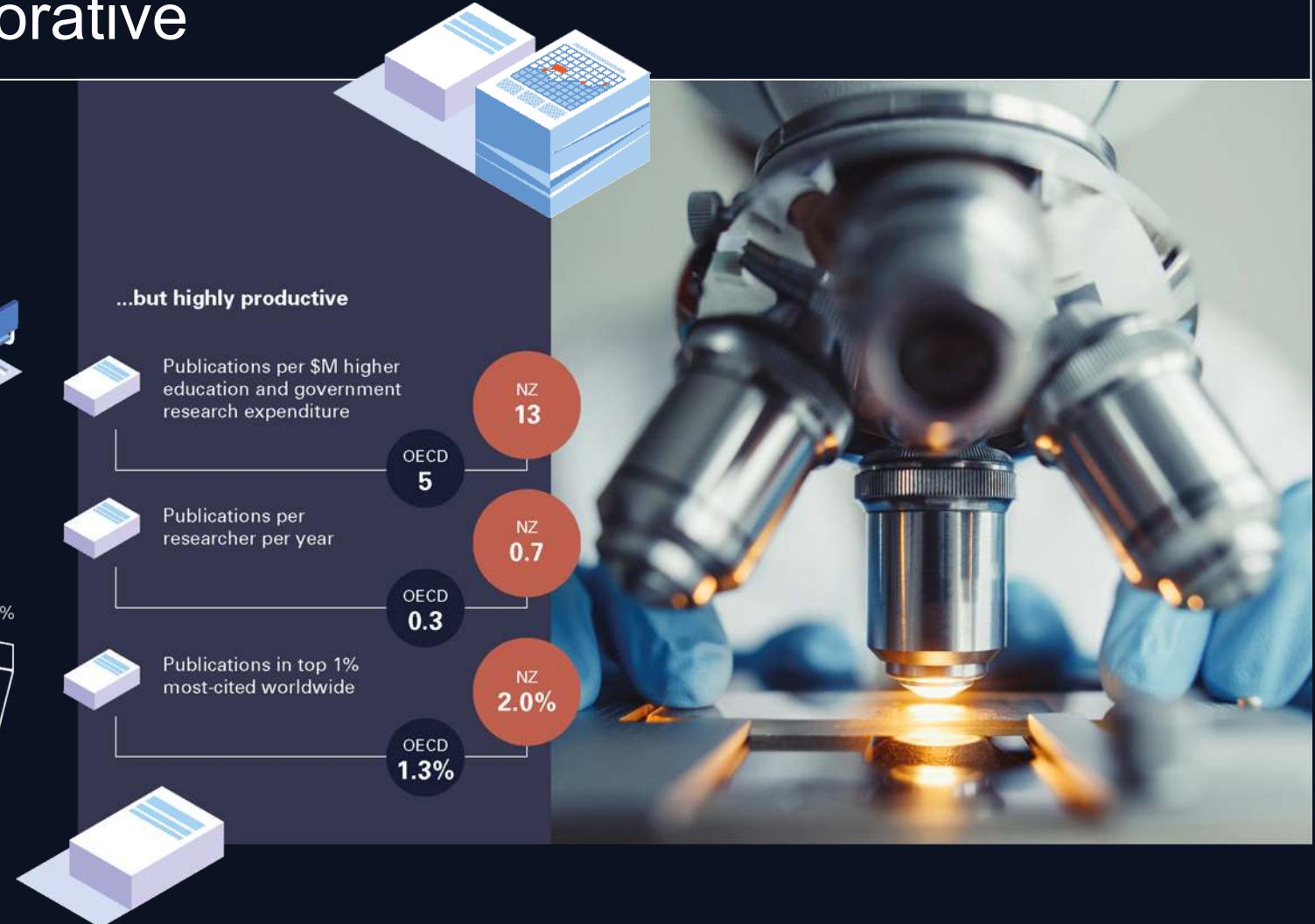
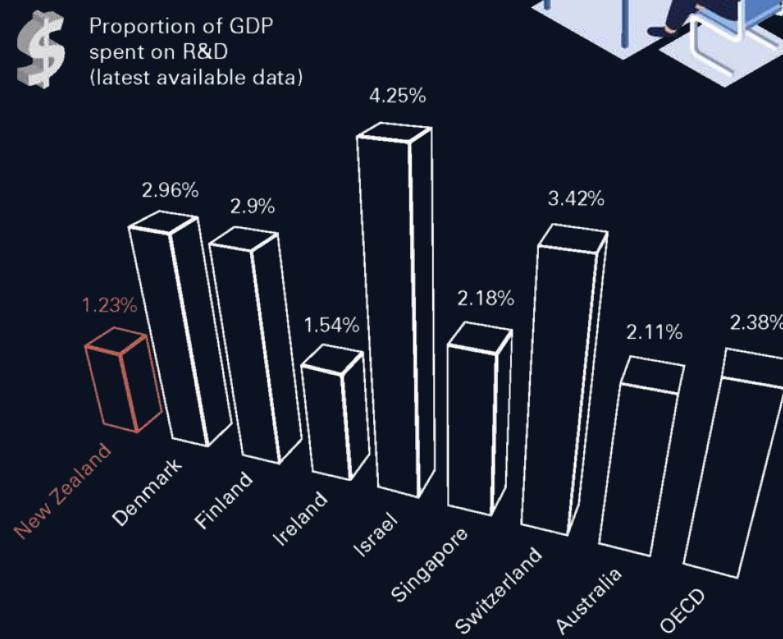
Layers of the RD&I System



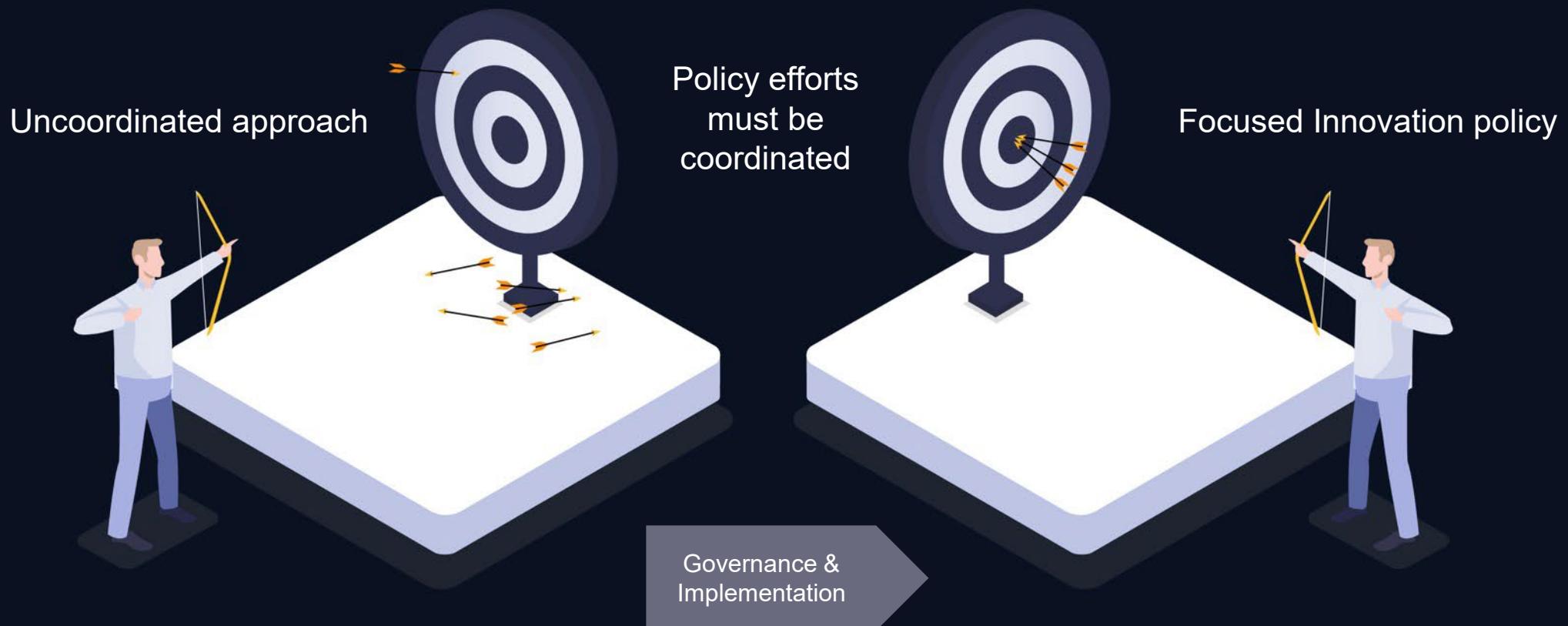
30 years of work has created a Research layer which is productive and collaborative

Efficient Research

Our science system is relatively small...



But this is not translating into impact



The 3 channels for knowledge flow

Channels which flow through the system

Innovation

Development

Research

Channels

1

Broadcast

Broadcast
is the
universities'
main channel
and an important
channel
for CRIs

2

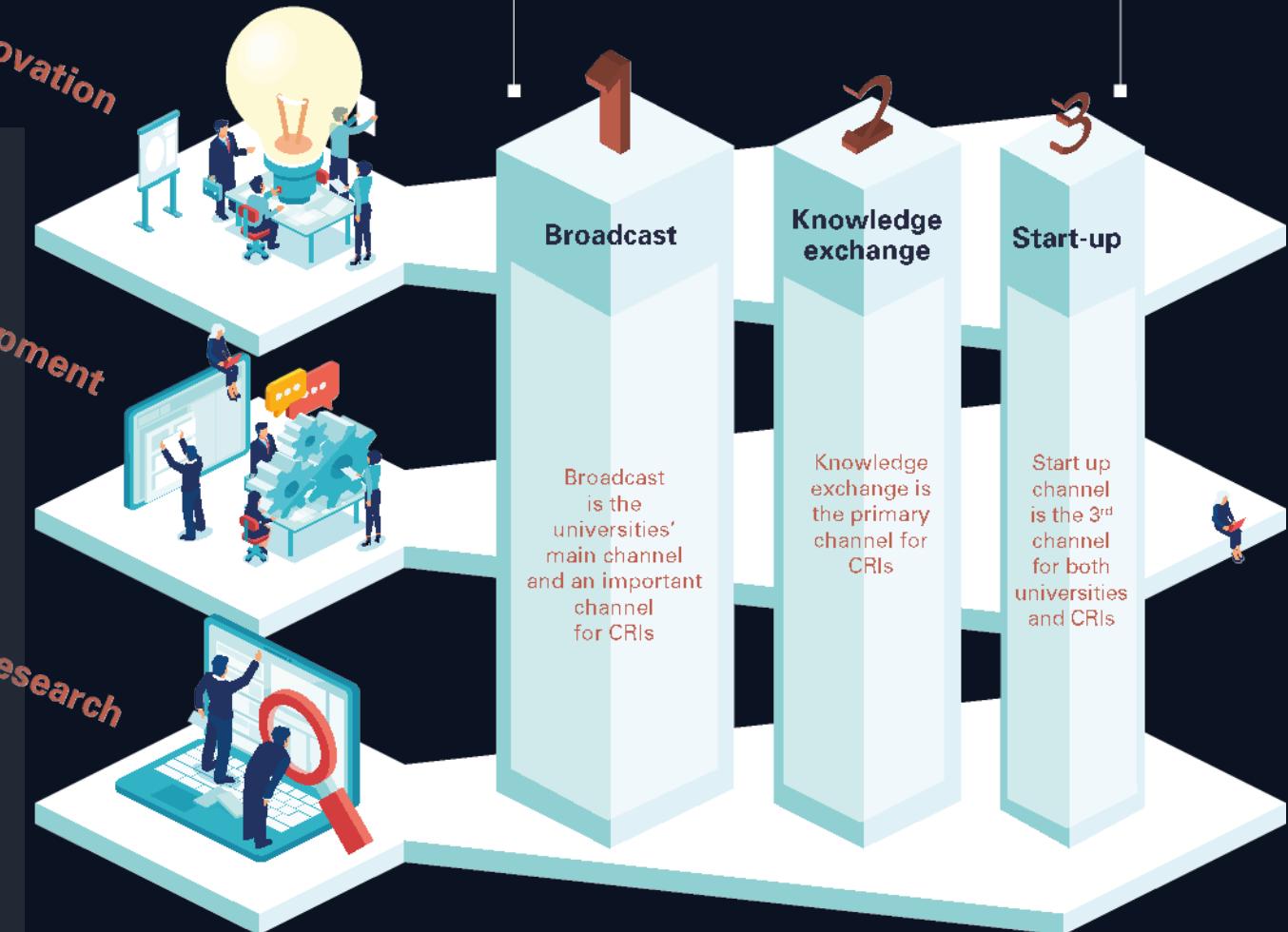
Knowledge
exchange

Knowledge
exchange is
the primary
channel for
CRIs

3

Start-up

Start up
channel is the 3rd
channel for both
universities and
CRIs



The Broadcast
channel is
working well



The Knowledge Exchange channel is effective but narrow



The start-up channel is “emerging”

NZ is in 33rd place

31	Norway	+2	1.15	1.57	3.66	6.386
32	Czechia	-6	1.24	1.72	3.26	6.226
33	New Zealand	+14	1.06	1.12	3.69	5.865
34	Ukraine	-5	1.01	2.09	2.60	5.705
35	Bulgaria	-3	1.88	0.58	2.75	5.209
36	Chile	-2	1.11	1.24	2.63	4.976
37	Croatia	+2	0.97	1.06	2.88	4.907
38	Mexico	+3	0.63	1.63	2.55	4.800
39	Argentina	-1	1.11	1.52	1.98	4.613
40	Malaysia	+8	0.55	1.18	2.68	4.411

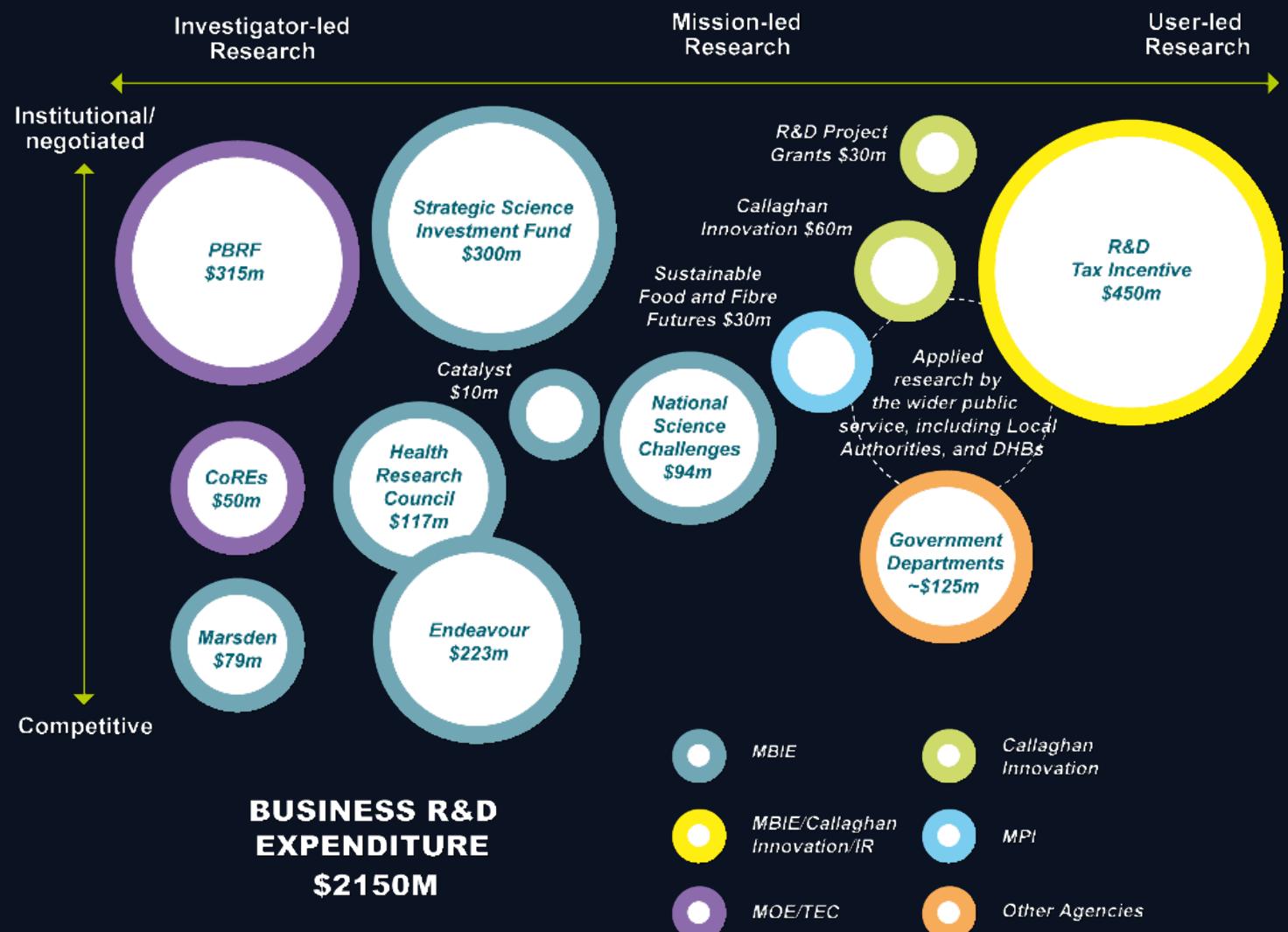


Conclusions so far

- NZ's science system is made up of 3 layers Research, Development and Innovation
 - Our Research layer is small but productive and collaborative
 - But we struggle to convert knowledge through to impact
- We need to focus on getting knowledge to flow through the layers rather than optimising knowledge creation in the Research layer
 - Our Broadcast channel is working well
 - Our Knowledge Exchange channel is effective but narrow
 - Our Start-up channel is emerging but small



The system is not designed around priorities or flow



Source: MBIE NZ's Research, Science & Innovation Strategy:
Draft for Consultation September 2019

A tray of petri dishes containing pinkish-red bacterial cultures, arranged in a grid pattern. The cultures are contained within clear plastic wells. The tray is set against a light grey background.

We have added structures to help prioritise
and coordinate but they come at a cost

National
sciencE
Challenges

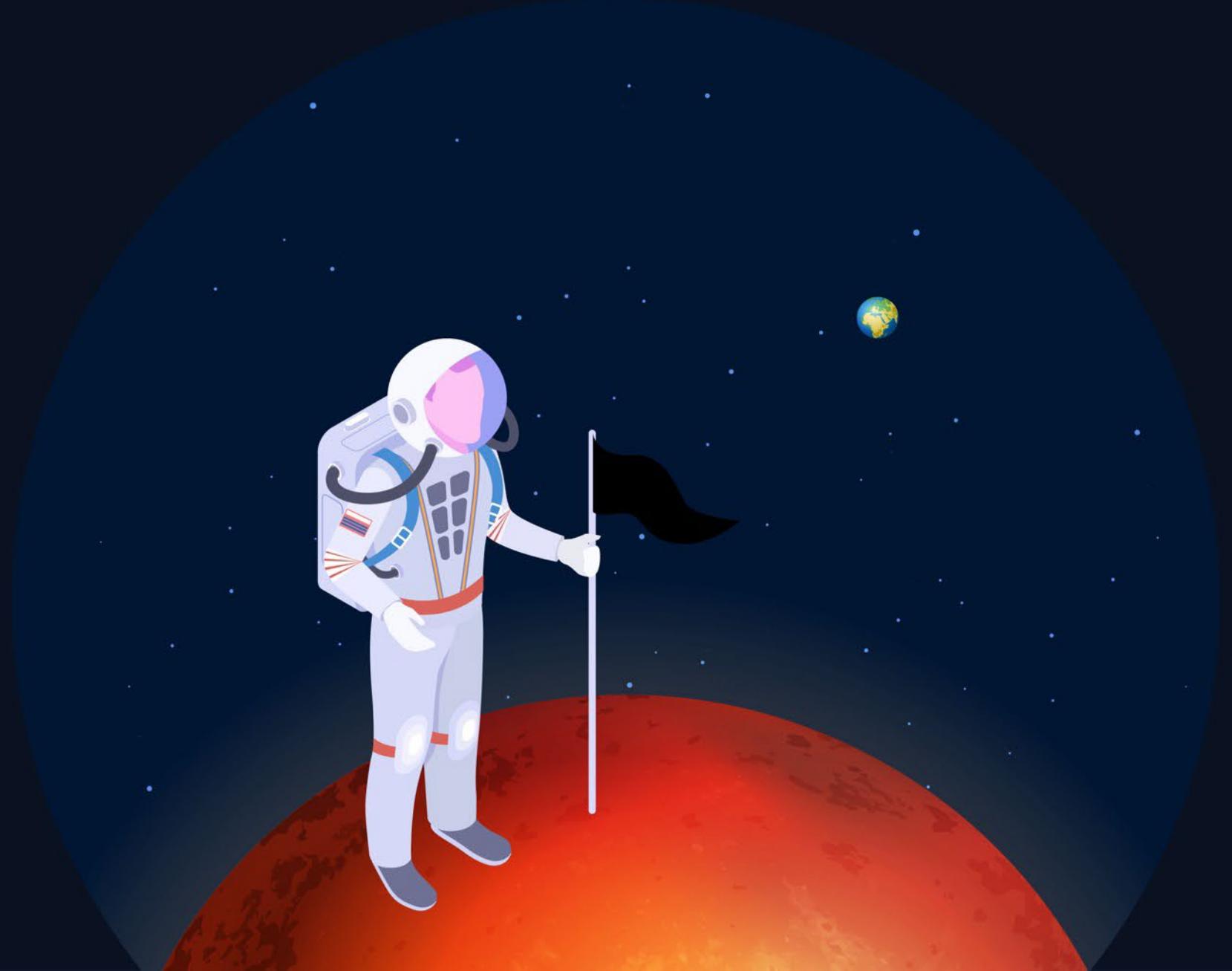
So what should
we do about this?



Create a RD&I Council
to agree priorities



Each priority
is framed up
as a **mission**

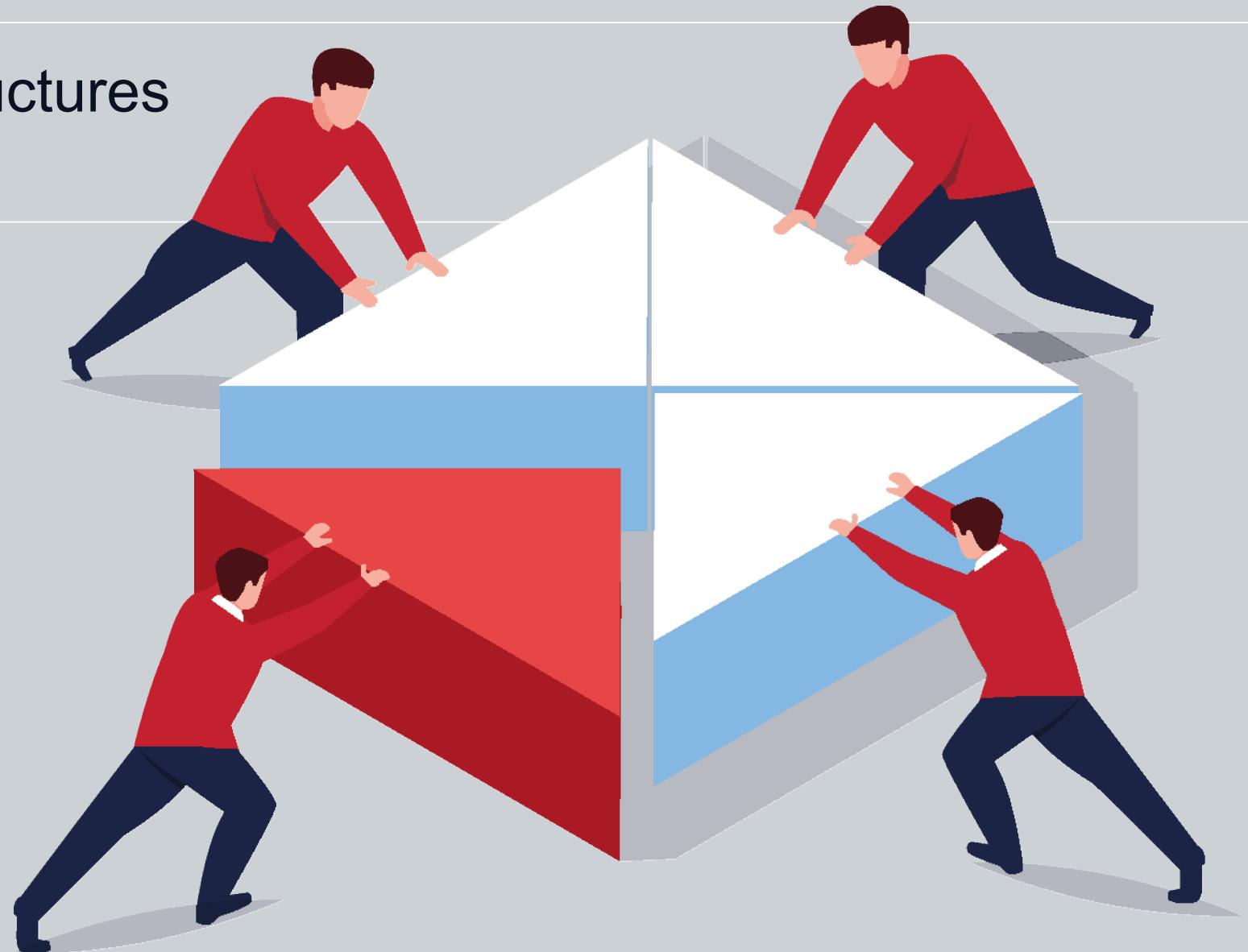




Empowering Māori, Industry and Research to create and enact the mission strategies

1. Domain leaders who are able to represent the key stakeholders in their domain are appointed to the Strategy Teams
2. Repayable grant mechanisms are expanded to support emerging sectors and companies in priority areas
3. MBIE increases the ratio of institutional funding to the CRIs to empower them and enable them to deliver on the commitments they make as part of the Mission Strategy Teams
4. Government engage with Māori to understand the changes they require the Crown to make so that Māori are empowered to take a full partnership role in both the establishment of priorities and the Mission strategies.

Simplifying structures



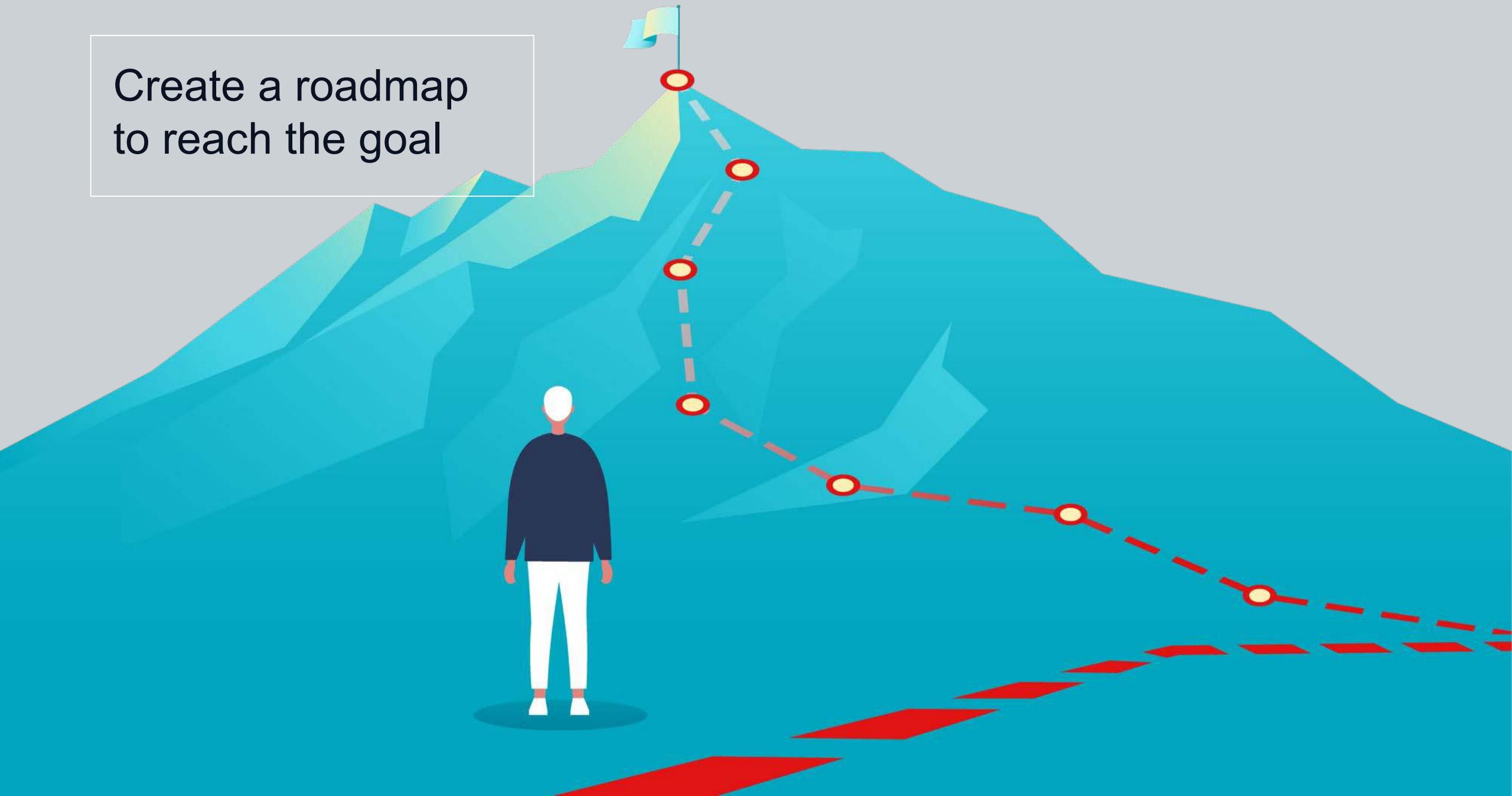
So what should the Natural Health Product Sector do?



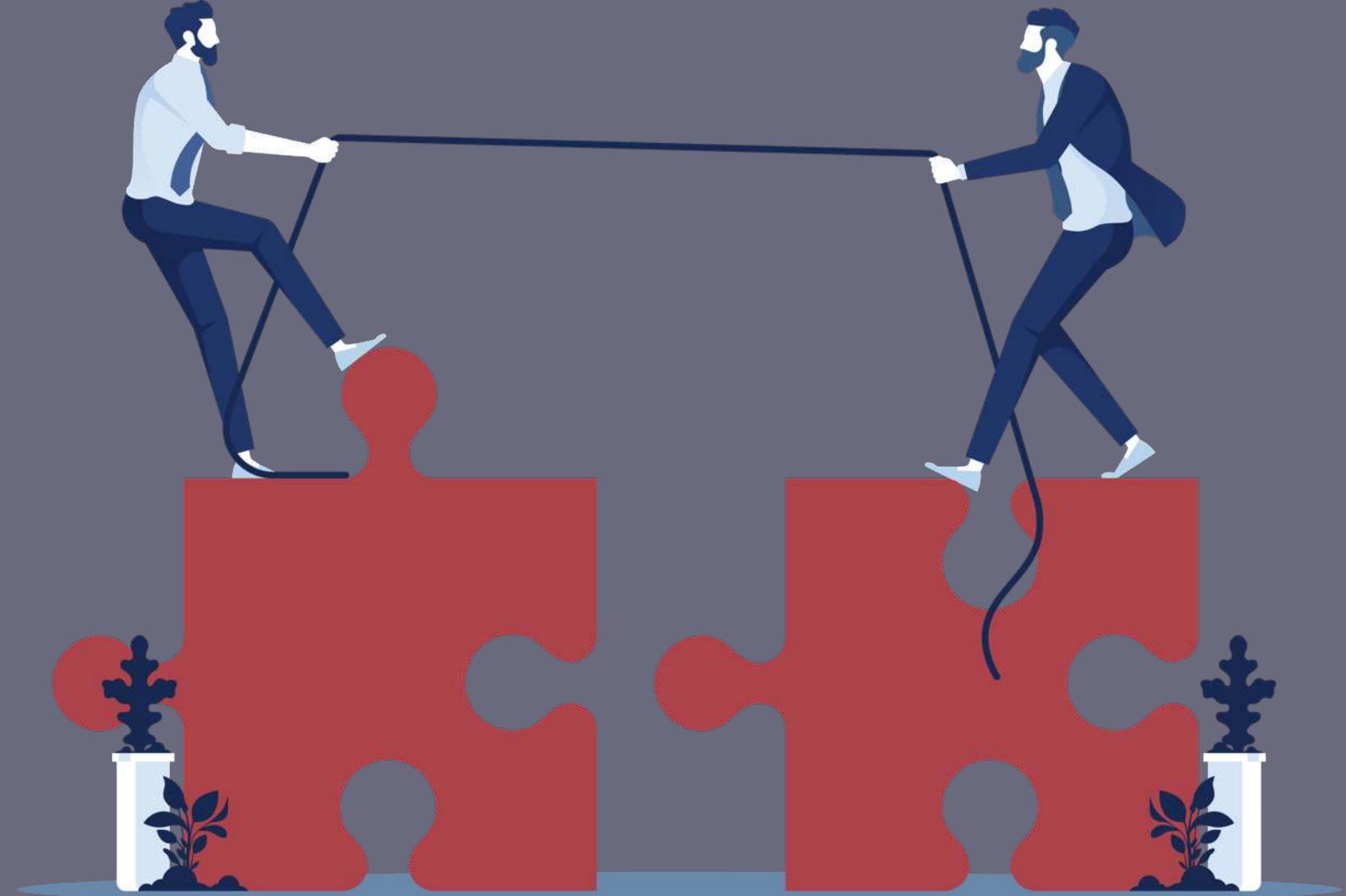


BHAG
*Big, Hairy,
Audacious
Goal*

Create a roadmap
to reach the goal



Enable the key
players to join
the coalition



Measuring and Story telling



A stylized illustration of a brown sausage on a white fork. The sausage is positioned horizontally, with its ends slightly curved upwards. The fork is oriented vertically, with its tines pointing downwards. Above the sausage, there are three distinct flames, each with a yellow-orange core and a tan-yellow base, radiating outwards. The background is a solid dark navy blue.

Our climate change
response shows that
we can do this



Thank you