Strengthening the nexus of science, policy and diplomacy to advance the SDGs

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The International Network for Government Science Advice

Sustainable Development Goals

- 17 goals, 169 targets
- A mix of very broad and aspirational goals in contrast to the specifics of the MDGs
- The MDGs were developed by an expert group, the SDGs were developed by an inclusive process
- They apply to all governments in contrast to the MDGs
- but the way they are interpreted and reported is voluntary
- The SDGs encompass virtually everything every society wants to accomplish
- Despite their flaws they frame the global agenda for another decade
- And in many ways all require access to the knowledge disciplines for progress

International Science Council

International Science Council

The global voice for science

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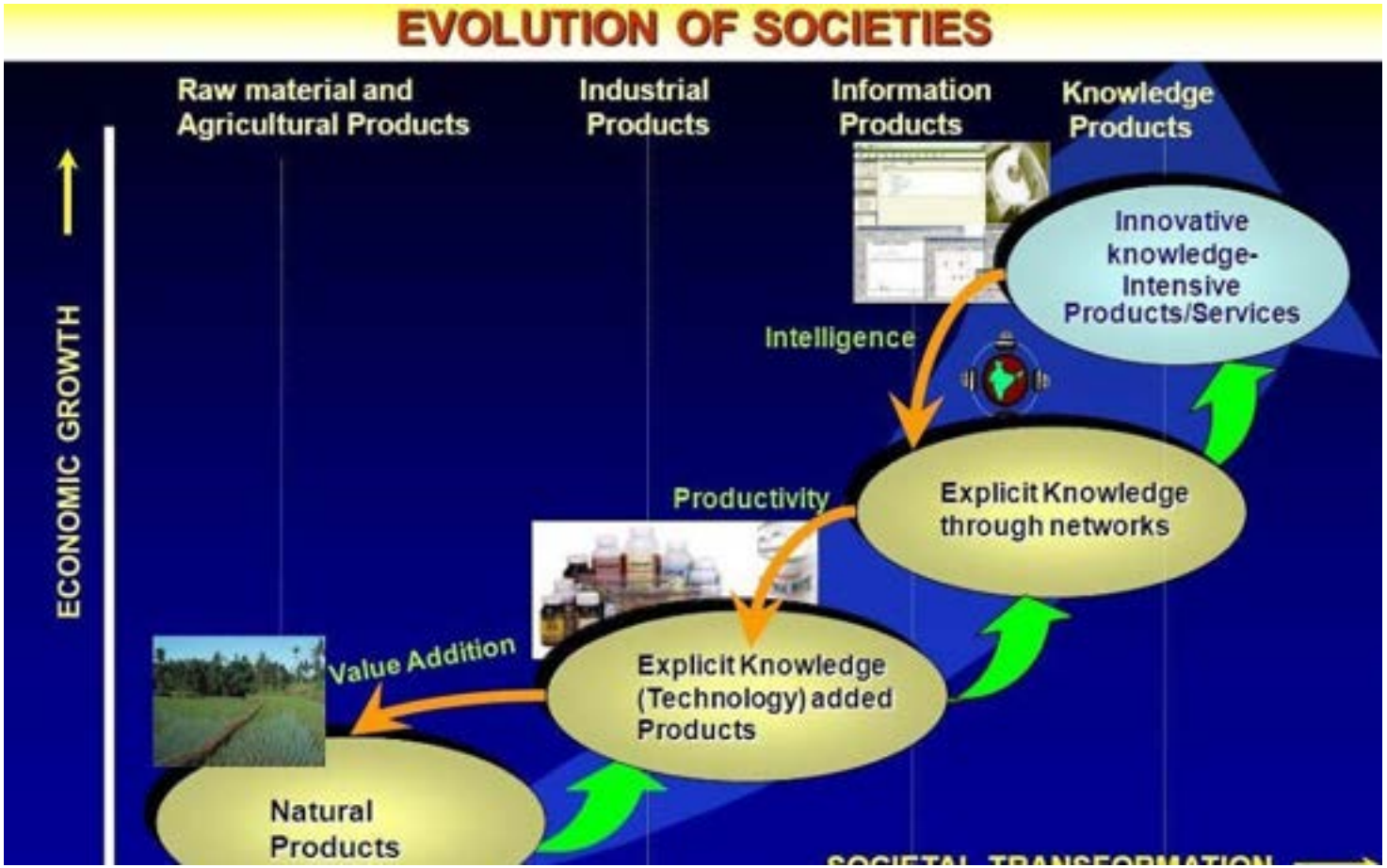
We have always lived in experimental societies



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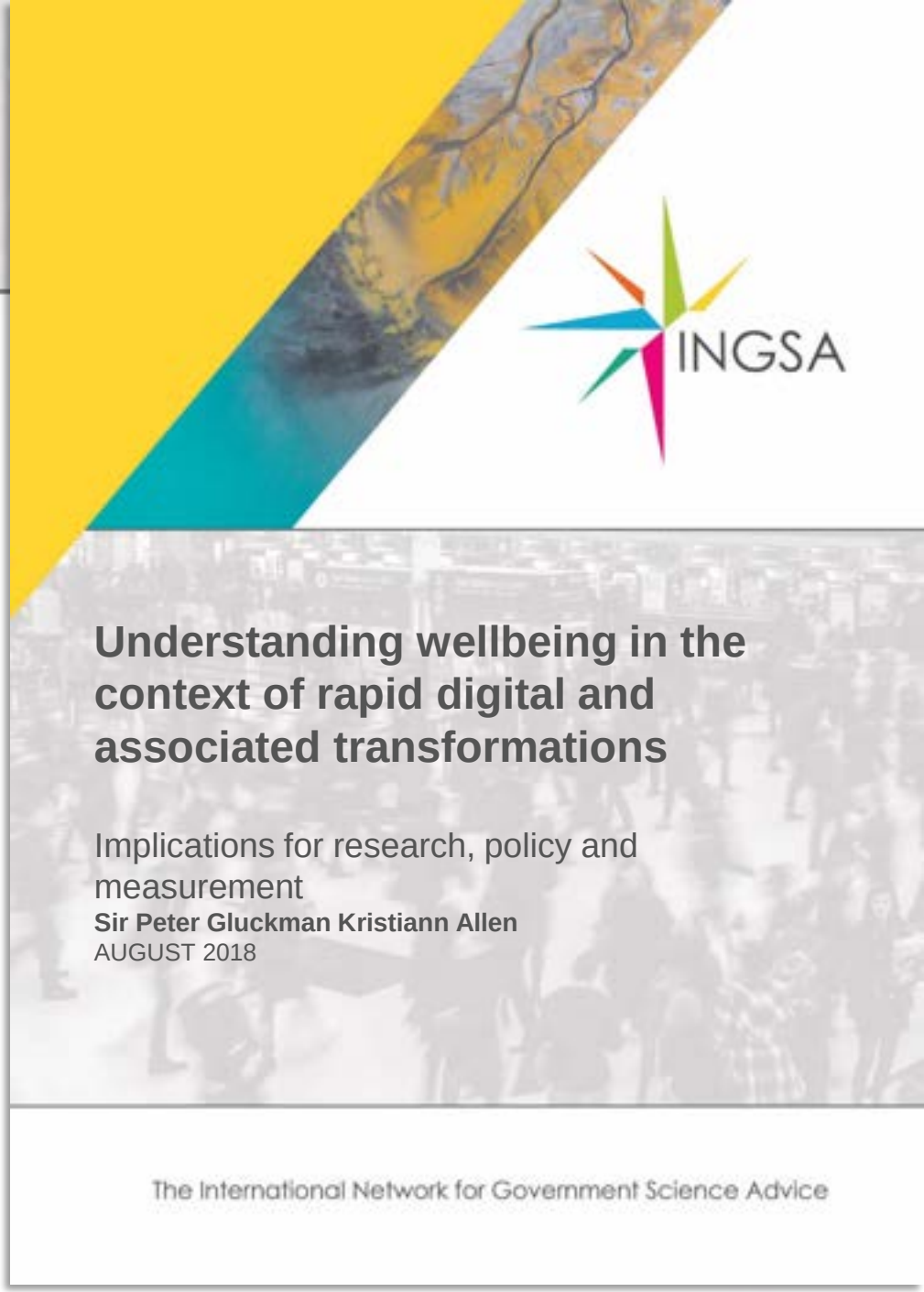
Find it here:

www.ingsa.org > Resources > reports > understanding wellbeing



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What is evidence?

- Scientific processes aim to obtain relatively objective understandings of the natural and built world.
- How the question is framed will affect the evidence produced and what is considered ‘sufficient’ evidence
- Co-development of knowledge is increasingly important.

The post-trust, post-elite & post-truth context

Post-truth

"relating to or donating circumstances in which objective facts are less influential in shaping public opinion than appeals to emotion and personal belief."

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Science & the SDGs

- Application of current knowledge and technology
- What new knowledge, data and technology is needed
- Better use of science in applying the SDGs to enhance policy
- Science Diplomacy

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Science for the SDGs

1 NO POVERTY

2 ZERO HUNGER

GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WO ECONOMIC G

SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW W

PARTNERSHIPS FOR THE GOALS

SUSTAINABLE DEVELOPMENT GOALS

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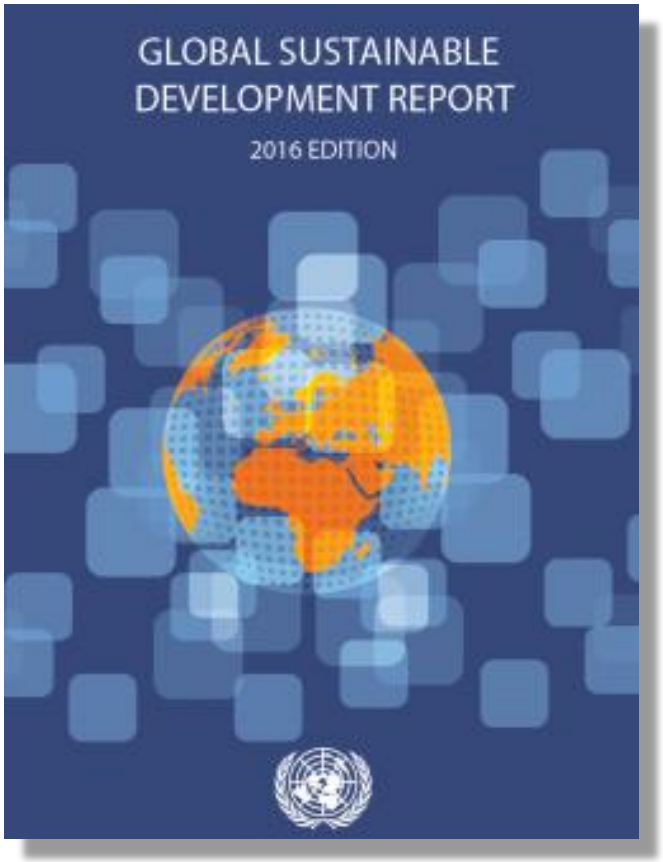
Science for the SDGs

Science & the SDGs

SDGs & the need for science license



- Biotech
- Digital tech
- Nanotech
- Neuro tech
- Green tech
- ‘other’ (geo-eng / extraction)

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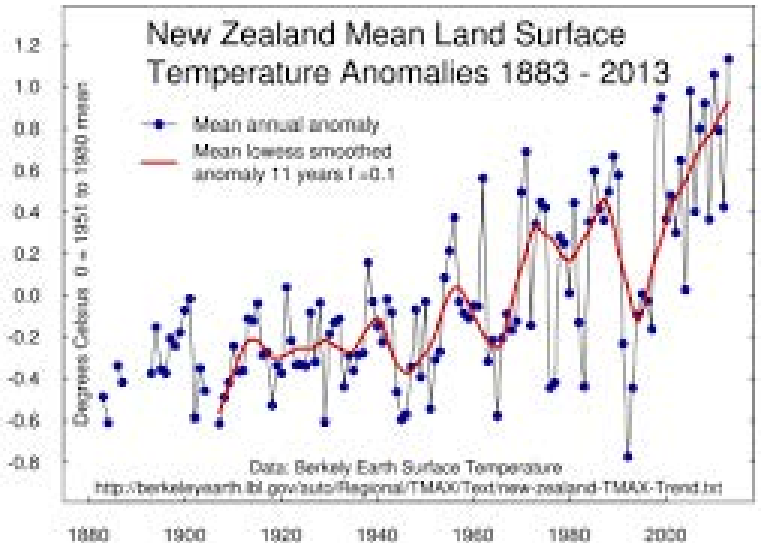
Office of the Prime Minister's Chief Science Advisor NZ

Mitigating agricultural greenhouse gas emissions: Strategies for meeting New Zealand's goals

July 2018



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There is a need to link science to the SDGs

- Through impact on policy

- Policies and institutional structures exist; can't just map SDGs on top
- Reframe the SDGs in a holistic, manageable way
- Countries have the opportunity to work from manageable, but also to customize according to context and domestic priorities
- Link to bottom up pressures

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Can interactions be a key driver for implementation?

- Making the challenges of integration visible
- Some goals and targets have conflictual relationships; progress in one area may come at the expense of progress in others.
- Understanding potential synergies and trade-offs is critical for efficient and coherent implementation and monitoring
- Develop an holistic approach to drive system change

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Different Roles in a Science Advisory Ecosystem

	Knowledge generators	Knowledge synthesizers	Knowledge brokers
Individual academics	+++	++	
Academic societies/professional bodies		+	
Government employed practicing scientists	+++	+	
Scientist within regulatory agency		++	++
Independent think tanks		++	
What works units etc		+++	+
National academies		+++	+
Government advisory boards/science councils		++	+
Science advisors to executive of government		+	+++
Science advice to legislators		+	++

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Science Diplomacy: a broader and more utilitarian taxonomy

- Direct national interest
- Common interest
- Global interest

P.D. Gluckman, V. Turekian, R.W. Grimes, and T. Kishi, "Science Diplomacy: A Pragmatic Perspective from the Inside," *Science & Diplomacy*, Vol. 6, No. 4 (December 2017). http://www.sciencediplomacy.org/article/2018/pragmatic-perspective

The International Network for Government Science Advice

- Over 4000 members from over 80 countries and growing
- Regional chapters
- Science diplomacy division
- Knowledge centre
- Forum for sharing, coordinating, networking
- Capacity building activities
- Open access learning resources
- Reports and research

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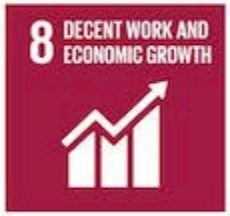
Thank you



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