



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

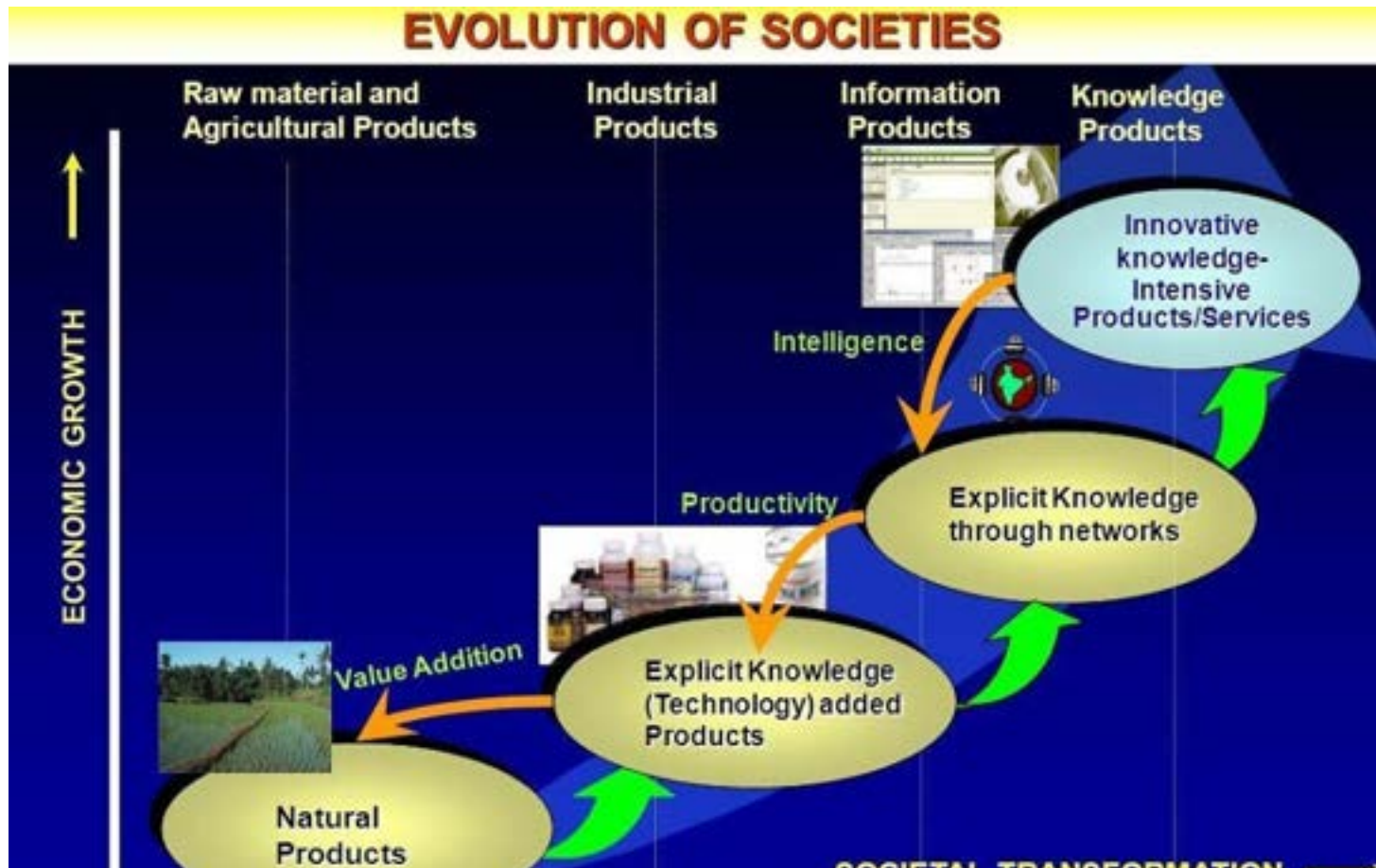
- 17 goals, 169 targets
- A mix of very broad and aspirational goals in contrast to the specifics of the MDGs
- The MDGs were developed by an expert group, the SDGs were developed by an inclusive process
- They apply to all governments in contrast to the MDGs
- but the way they are interpreted and reported 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



We have always lived in experimental societies





Understanding wellbeing in the context of rapid digital and associated transformations

Implications for research, policy and measurement

Sir Peter Gluckman Kristiann Allen
AUGUST 2018



Find it here:

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





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



#MINERMOJO

“
YESTERDAY'S
TRUST
HAS BECOME TODAY'S
SKEPTICISM

Jeremy Miner

M
jeremy miner

Post-truth

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



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



Science for the SDGs



REVIEW OF TARGETS FOR THE SUSTAINABLE DEVELOPMENT GOALS: THE SCIENCE PERSPECTIVE

ICSU
International Council for Science

ISSG
International Science and Science Governance



Science for the SDGs



GLOBAL RESEARCH ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

**Global Research Alliance
on agricultural greenhouse gases**

David
10.01.2018

Haroon Mungai
- 2018/01/10

The image shows a promotional graphic for the Global Research Alliance on Agricultural Greenhouse Gases. It features a dark blue header with the organization's name in white. Below the header are three square images: a field of golden corn stalks, a close-up of a brown cow's face, and a cluster of vibrant green leaves. The main title is in large, bold, black font. At the bottom, there is a small logo and two lines of text, one of which is partially obscured.

challenging.com

Home

ABOUT US RESEARCH GROUPS COMMUNITY UPDATES & EVENTS LIBRARY CONTACT US

SEARCH LOGIN

ABOUT US

The Global Research Alliance on Agricultural Greenhouse Gases brings countries together to find ways to grow more food without growing greenhouse gas emissions. It was launched in December 2009.

On this page you can find more information about the Alliance and why the Alliance is needed.

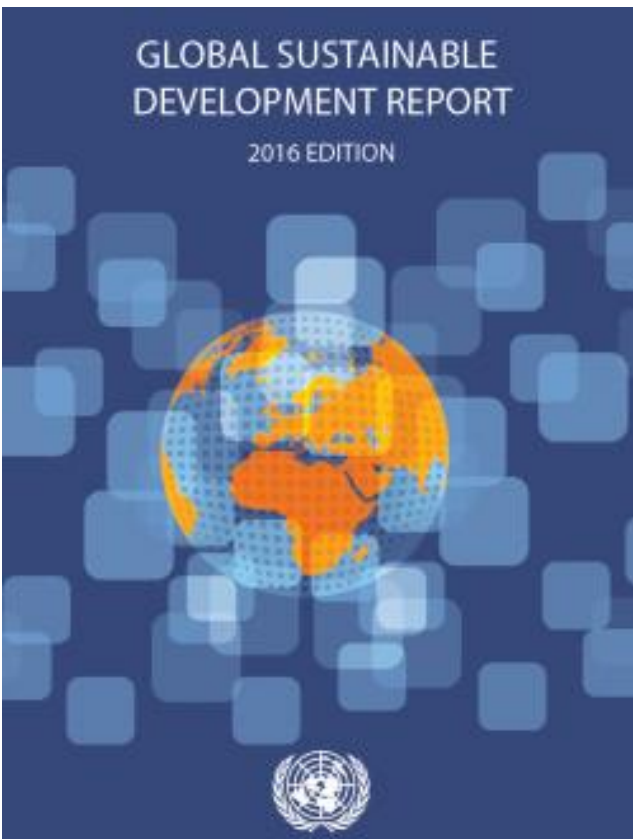
Read the brochure

The Global Research Alliance on Agricultural Greenhouse Gases was launched in December 2009 and now has 48 member countries from all regions of the world. For more information on the membership, please see the Community page.

The Alliance is focused on research, development and extension of technologies and practices that will help deliver ways to grow more food (and more climate-resilient food systems) without growing greenhouse gas emissions.

The image is a screenshot of a web browser displaying the website for the Global Research Alliance on Agricultural Greenhouse Gases. The browser's address bar shows 'challenging.com'. The website has a dark blue navigation bar with links for 'ABOUT US', 'RESEARCH GROUPS', 'COMMUNITY', 'UPDATES & EVENTS', 'LIBRARY', and 'CONTACT US'. Below the navigation bar is a search bar with a magnifying glass icon and a 'LOGIN' button. The main content area features a large image of a field with the heading 'ABOUT US'. Below this is a paragraph of text describing the Alliance's mission. There are also two sub-sections: 'About' and 'Contact us', each with a horizontal line underneath. The 'About' section contains a paragraph of text, and the 'Contact us' section contains a paragraph of text.

SDGs & the need for science license



- » Biotech
- » Digital tech
- » Nanotech
- » Neuro tech
- » Green tech
- » 'other' (geo-eng / extraction)

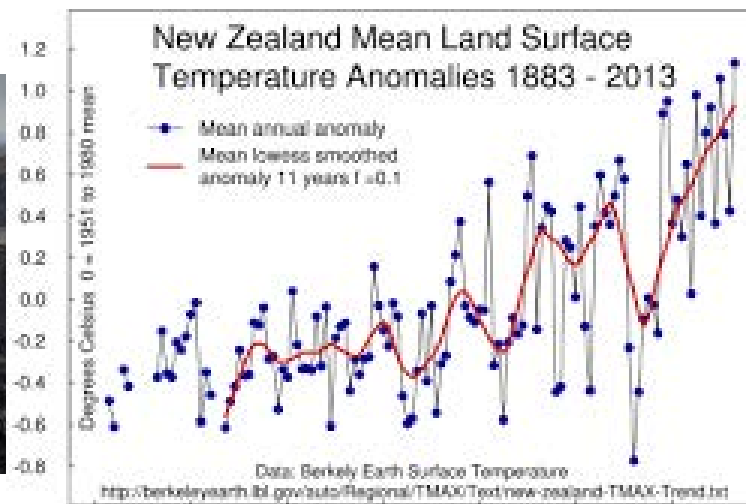
Office of the Prime Minister's Chief Science Advisor NZ



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



July 2018





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

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

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		+	++





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



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- Regional chapters
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- Knowledge centre
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www.ingsa.org



Thank you

