

Workshop on
Principles & Guidelines for
Government Scientific Advice

Rapporteur's Report

Sept 30, 2016

(Marc Saner)

The Question

World Science Forum 2015



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DECLARATION ON THE ENABLING POWER OF SCIENCE

“Enabling Power of Science”

1. **Sustainable** development
2. **Climate** change
3. **Disaster** risk reduction
4. **Scientific advice** for policies
5. **Collaboration** (developing Nations)
6. **Investment** in science



Article 4

“We call for concerted action of scientists and policy-makers to define and promulgate **universal principles** for developing and communicating science **to inform and evaluate policy** based on **responsibility, integrity, independence, and accountability.**”

Audience

Producers and users of scientific advice



Method

(1) Codification



About

Events

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Join



Principles and Guidelines

The list will never be complete and we are always seeking to update our inventory.

We encourage you to visit the site regularly and send us your links to add to this section.

- ✿ Science Council of Japan http://www.jst.go.jp/pr/info/info908/index_e.html
- ✿ UK principles <https://www.gov.uk/government/publications/scientific-and-engineering-advice-guidelines-for-policy-makers>
- ✿ UK guidelines <https://www.gov.uk/government/publications/scientific-advice-to-government-principles/principles-of-scientific-advice-to-government>
- ✿ OECD GSF <http://www.oecd.org/newsroom/oecd-calls-for-common-principles-for-developing-and-communicating-scientific-advice.htm>
- ✿ NAS: Using evidence in policymaking http://sites.nationalacademies.org/DBASSE/Evidence_in_Public_Policy/index.htm
- ✿ Singapore Declaration <http://www.singaporestatement.org/>
- ✿ Gluckman's principles <http://www.nature.com/news/policy-the-art-of-science-advice-to-government-1.14838>
- ✿ UK Nolan <https://www.gov.uk/government/publications/the-7-principles-of-public-life/the-7-principles-of-public-life-2>
- ✿ Sutherland et al: 20 things politicians need to know about science <http://www.nature.com/news/policy-twenty-tips-for-interpreting-scientific-claims-1.14183>; <https://www.theguardian.com/science/2013/nov/20/top-20-things-politicians-need-to-know-about-science>
- ✿ Tyler: 20 things scientists need to know about policy <https://www.theguardian.com/science/2013/dec/02/scientists-policy-governments-science>
- ✿ Jackson: 12 things scientists and policymakers need to know about the public <https://www.theguardian.com/science/political-science/2013/dec/04/12-things-policy-makers-and-scientists-should-know-about-the-public>
- ✿ Wilsdon & Doubleday – Future Directions for Science Advice in Whitehall <http://www.csap.cam.ac.uk/media/uploads/files/1/fdsaw.pdf>
- ✿ INGSA 2014 report http://ingsa.org/wp-content/uploads/2014/08/Science_Advice_to_Governments_Briefing_Paper_25-August.pdf
- ✿ NAS Gene Drive report <http://nas-sites.org/gene-drives/>
- ✿ Nuffield Council on Bioethics emerging biotechnologies report <http://nuffieldbioethics.org/project/emerging-biotechnologies/>
- ✿ US Memorandum for the Heads of Executive Departments and Agencies <https://www.whitehouse.gov/the-press-office/memorandum-heads-executive-departments-and-agencies-3-9-09> and <https://www.whitehouse.gov/sites/default/files/microsites/ostp/scientific-integrity-memo-12172010.pdf>
- ✿ UK Code of Practice for Scientific Advisory Committees https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/278498/11-

(2) Debate First Set of Principles & Guidelines

20 nations

40 people

GYA



(3) Iteration to Maturity

South Africa

Jordan

Boston

WSF Jordan (late 2017)

First Results

The **First Set** (abbreviated)

PRINCIPLES

Independence

Transparency

Integrity

Diversity

Respect for limits

GUIDELINES

Roles and responsibilities

Identify and frame the issues

Ensure capacity to use

Acknowledge uncertainties

Consult widely

Quality assurance

Workshop Commentaries

Modulation (by context)

New **sets**

New **emphasis**

What is the **question**?

Do we need **definitions**?

What are the **risks**?

GYA Commentaries

More diverse ... source of knowledge

More diverse ... set of audiences

More diverse ... advisory system

... apply locally, nationally, regionally, **globally**

Rapporteur's Commentary

Successful audacity

Opportunity to **improve** or **re-focus**

How to do it?

>> **Formula**

How to teach it?

>> **Curriculum**

How to evaluate it?

>> **Compliance**

What to aspire to?

>> **Values**

What matters most?

>> **Top 10**

Which new direction?

>> **Manifesto**