When Science and Citizens Connect: Public Engagement on Genetically Modified Organisms

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#NASInterface
Ocean Acidification 3.0: Towards Solutions

- What determines local nearshore CO₂ levels? How can CO₂ levels be measured easily and quickly?
- What management can reduce local OA pulses?
- Where are the crucial tipping points?
- Which ecosystems are more or less resilient?
- How can we reduce social and economic vulnerability from acidification?
In theory, theory and practice are the same. In practice, they are not.

Albert Einstein
Myth: the public does not trust scientists

Why science teachers should not be given playground duty.
Myth: if only people were more informed
Myth: people should think like scientists
Myth: if only we could explain science better
Myth: when science speaks, the public listens
"Oh, if only it were so simple."
“How much risk do you believe each of the following poses to human health, safety, or prosperity?”

**Global warming**

- Very high risk
- No risk at all

**Genetically modified foods**

- Very high risk
- No risk at all

Source: Cultural Cognition Project, Yale University
Stealth Issue Advocacy

VIEW OF SCIENCE IN SOCIETY

Linear Model

Stakeholder Model

VIEW OF DEMOCRACY

Interest group pluralism

Elite Conflict

Pure Scientist

Science Arbiter

Issue Advocate

Honest Broker of Policy Alternatives

From Roger Pielke
Wicked Problems

Increasing Uncertainties

Tame Problems

Conflicting values

From Roger Pielke
WE HAVE MET THE ENEMY AND HE IS US.
Do you have any questions for my answers?

*Henry Kissinger*