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Determining matured science: utility, cases and formats

Session Title: Determining matured science: utility, cases and formats

Session Description: The science of climate change is regularly featured in public media. Different research results compete in gaining recognition as accepted knowledge within science and the public. Often enough, the situation that this knowledge speaks to includes not only high-stakes, urgent societal decisions with related values in dispute, but also the fact that uncertainties in science will not be overcome for the foreseeable future. Often “newest” results are perceived as “best” results. However, such results often suffer from errors, unspecified limitations, and the need for revision. Also, “newest” results are followed by more “newest” results, and a cacophony of new knowledge claims forms. For stakeholders in society and policymaking, the situation becomes confusing, with scientific results valued more for their societal implications and less for their scientific methodology. Thus, quality control measures are needed for distilling current knowledge claims into “matured” science. How do we document such matured knowledge?

Primary Section/Focus Group: Union

SWIRL Theme: Science, Society, Sustainability

Live Stream/On-Demand?: Yes

Alternate Session Format: Yes. Panel discussion: after presentation of a series of cases and formats, we want to build a transdisciplinary panel of scientists, stakeholders and publishers. We ask for case studies (such as IPCC, BACC ...) and for the discussion of different formats (such as BAMS, WIRES, ORE-climate change). The utility of such analyses will be explored, along with documentations for management, policy decisions and science planning.

Index Terms:

0840 Evaluation and assessment [EDUCATION]

1699 General or miscellaneous [GLOBAL CHANGE]

6620 Science policy [PUBLIC ISSUES]

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- To access your submission in the future, point your browser to the [User Portal](#).
 - Your Session ID# is: 12971.
 - Any changes that you make will be reflected instantly in what is seen by the reviewers.
 - After the session proposal is submitted, you are not required to go through all submission steps to make edits. For example, click the "Conveners" step in the Session Proposal Control Panel to edit the Conveners and then click save or submit.
 - When you have completed your submission, you may close this browser window or submit another session <http://fallmeeting.agu.org/2016/submissionsite>.

[Tell us what you think of the session submittal process.](#)