



## Comparing stakeholder perceptions with empirical outcomes from negotiated rulemaking policies: Is participant satisfaction a proxy for policy success?

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### ABSTRACT

Evaluation of natural resource management policies often is made difficult by lack of robust or long-term data on the resource. In the absence of empirical data, natural resource policy evaluation may rely on expert or stakeholder perception of success as a proxy, particularly in the context of policies that depend on multi-stakeholder engagement or negotiated rulemaking. However, few formal evaluations have compared empirical ecological outcomes with stakeholder perceptions. This study compares stakeholder perceptions of policy outcomes with ecological outcomes from a long-term, ecological dataset as part of the U.S. Marine Mammal Protection Act's Take Reduction Planning process. Structural Equation Models revealed that stakeholder perceptions were significantly and positively related to positive ecological outcomes. Also, perceived success and ecological performance rankings of the Take Reduction Plans were comparable for those of the five plans examined. This analysis suggests that for this particular policy instrument, stakeholder perception aligns well with ecological outcomes, and this positive relationship is likely the result of a commitment and support for stakeholder education and engagement. However, even within a single policy analysis, there was variability suggesting that the relationship between stakeholder perceptions and policy outcomes must continue to be evaluated. This study suggests that stakeholder perception can be an accurate reflection of ecological outcomes, but not necessarily a predictor of them.

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### 1. Introduction

The U.S. federal government involves the public in regulation of natural resources along a continuum of engagement. At one end lies the command and control method wherein an administrative agency proposes regulations, releases them for public comment, modifies those rules in response, and implements final rules. At the other end of the continuum, stakeholders work directly with administrative agencies to devise regulations through consensus-based, multi-party negotiation, referred to as negotiated rulemaking [1,2]. Various environmental agencies in the U.S. have

embraced the latter approach, including the Environmental Protection Agency, Department of the Interior, and National Oceanic and Atmospheric Administration (NOAA) [3].

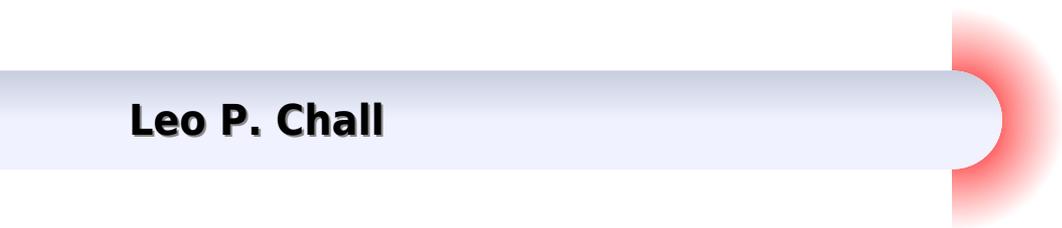
Assessing the efficacy of a policy in relation to program goals is fundamental to policy evaluation [4]. One critical metric of resource policy evaluation is whether the policy resulted in the intended goal, which is to improve resource condition, quality and quantity. However, for policies that are designed to protect natural resources, long-term resource monitoring data often are lacking. In lieu of direct data on the resource, other evaluations for environmental policies generated by multi-stakeholder programs may focus solely on the success of the negotiation process, while others focus on outputs or agreements resulting from the negotiation. Other evaluations focus on participant satisfaction with the process, which affects satisfaction with the outputs [5,6]. Participant satisfaction, however, may not be a good measure, proxy, or indicator of successful ecological outcomes [7–11]. Coglianese [9]

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# Comparing Stakeholder Perceptions With Empirical Outcomes

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*Farmers' Perception and Adaptation to Climate Change in the Central Dry Zone of Myanmar* Akary Min,2018-05-22 Master s Thesis from the year 2017 in the subject Geography Earth Science Meteorology Aeronomy Climatology grade 1 5 University of Bonn Faculty of Agriculture course Agricultural sciences and resource management in the tropics and sub tropics language English abstract The Central Dry Zone covers about 13 % of Myanmar and is home to nearly a third of the total population of 52 million The majority of households depend on agriculture based income 83% Besides low profitability poor diversification and high reliance on credit these agricultural households are subject to additional stress by soil degradation erratic rainfall patterns and extreme temperatures and commodity price fluctuations Particularly the climate change phenomena have become recently a major constraining factor for agricultural production in the Dry Zone In this study we explore how farmers perceive agricultural problems in relation to climate change and which strategies they apply to cope with and adapt agricultural practices to climate change based on traditional knowledge Based on household surveys participatory rural appraisals PRA and key informant interviews it can be concluded that most farmers recognize climate change as a key constraint as they perceive their agricultural production being severely impacted particularly by erratic rainfall In response to increasingly frequent pre monsoon droughts some farmers have actually abandoned during the past 15 years cultivating rice as the main subsistence and market crop but also the cultivation of pre monsoon crops such as sesame Most farmers have traditionally been dealing with climatic risks by providing supplementary irrigation e g by establishing tube wells by cultivating short cycled cash crop instead of rice and by substituting annual crops by fruit orchards Some farmers have done changes in cropping patterns and agronomic practices These differentially affect

adaptation to climate change and there are still needs of institutional support with the knowledge and technology for the unfinished adaptation measures There are the strong linkages between farmers perceptions and their adaptation to climate risks at the farm level and the adaptation measures are likely conducted on their own knowledge Traditional knowledge and expert knowledge must be combined in order to work for successful adaptation to climate change

**Research in Agricultural Education, a Foundation for Excellence** ,1988 Sociological Abstracts Leo P. Chall,2004 CSA

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