



## Climate service evaluation: design elements and metrics

Catherine Vaughan (1,2) and Suraje Dessai (2)

(1) International Research Institute for Climate & Society, Columbia University, Palisades, NY, United States  
(cv2195@columbia.edu), (2) Sustainability Research Institute, School for Earth & the Environment, Leeds University, Leeds United Kingdom

Despite growing interest in climate services, there is little agreement on the contexts in which climate services are most effective and how they should be designed to best deliver results. Questions remain regarding the kinds of information on which climate services should be based, the sorts of problems they can most effectively address, and the institutional arrangements needed to support them. Our paper articulates the four axes, or design elements, on which climate services should be evaluated, including (1) problem identification and the decision making contexts; (2) the characteristics, tailoring and dissemination of climate information; (3) the governance and structure of the service; and (4) the socioeconomic value of the service. The paper also begins to fill in metrics that pertain to these axes, with specific examples from Europe and beyond.