

From: [Nancy Hillstrand](#)
To: [ED, State Board of Ed](#)
Subject: [External] Give Environment & Ecology Attention in the Classroom!
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Executive Director Karen Molchanow,

Please include Evidence Based Management and Systematic Reviews (SR) for Natural Resources. I have included some information from the American Fisheries Society and the Collaborators for Evidence Based Management.

Thank-you for your attention!

American Fisheries Society -- Fisheries - Volume 42 Issue 3 pages 143-149

<https://afspubs.onlinelibrary.wiley.com/toc/15488446/2017/42/3>

A Call for Evidence-Based Conservation and Management of Fisheries and Aquatic Resources

<https://afspubs.onlinelibrary.wiley.com/doi/10.1080/03632415.2017.1276343>

Natural resource management agencies implement conservation policies with the presumption that they are effective and of benefit to aquatic ecosystems. However, it is often difficult to decide what management action to implement and what will be most effective. Here we call for natural resource management agencies to fully adopt and implement evidence-based management (EBM) for conservation and fisheries management. We support this call by providing a primer on systematic reviews, a core tool in evidence synthesis but one that is rarely used in the context of fisheries management. We highlight the benefits and challenges associated with implementing EBM, with a particular focus on the routine decisions and management actions undertaken by natural resource practitioners. We submit that by adopting EBM, practitioners would have access to the best available evidence on the effectiveness of various management and conservation interventions, while providing defensible and credible evidence to inform decision-making processes and policies.

Collaboration For Environmental Evidence

environmentalevidence.org

Aims and Scope – Environmental Evidence

Evidence review and synthesis methodology (hereafter referred to as 'evidence synthesis') is now in widespread use in sectors of society where science can inform decision making and has become a recognized standard for accessing, appraising and synthesizing scientific information. The need for rigour, objectivity and transparency in reaching conclusions from a body of scientific information is evident in many areas of policy and practice, from clinical medicine to social justice. Our environment and the way we manage it are no exception and

there are many urgent problems for which we need a reliable source of evidence on which to base actions. Many of these actions will be controversial and/or expensive and it is vital that they are informed by the best available evidence and not simply by the assertions or beliefs of special interest groups. For evidence synthesis to be credible, legitimate and reliable, standards regarding its conduct need to be clearly defined. Such standards include examining possible sources of bias both in the evidence and in the way the review and synthesis is conducted. In so doing, the goal is to provide an explicit level of confidence in the findings to the end-user. Here we present the latest guidelines for the planning and conduct of CEE Evidence Syntheses (separated into Systematic Reviews and Systematic Maps see below) in environmental management.

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