

Endangered Mangroves in Segara Anakan, Indonesia: Effective and Failed Problem-Solving Policy Advice

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Abstract	<p>The success of scientific knowledge transfer depends on if the decision maker can transform the scientific advice into a policy that can be accepted by all involved actors. We use a science-policy interactions model called research-integration-utilization to observe the process of scientific knowledge transfer in the case of endangered mangroves in Segara Anakan, Indonesia. Scientific knowledge is produced within the scientific system (research), science-based solutions to problems are practically utilized by political actors (utilization), and important links between research and utilization must be made (integration). We looked for empirical evidence to test hypotheses about the research-integration-utilization model based on document analysis and expert interviews. Our study finds that the failures in knowledge transfer are caused by the inappropriate use of scientific findings. The district government is expected by presidential decree to only use scientifically sound recommendations as a prerequisite for designing the regulation. However, the district government prefers to implement their own solutions because they believe that they understand the solutions better than the researcher. In the process of integration, the researcher cannot be involved, since the selection of scientific recommendations here fully depends on the interests of the district government as the powerful ally.</p>
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