

[A framework for values-focused and data-driven decision management for climate resilience](#) [1]



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Abstract:

The rapid pace of large-scale environmental changes around the globe underscores the value of long-term data sets for understanding the context of scientific observations, projecting future conditions, and making informed decisions on how to adapt to these large-scale challenges.

However, data and models that provide status and trend information are only as good as the human-mediated processes that utilize these information products for decisions. How do we formulate a stakeholder-driven set of climate resilience solutions that combine stakeholder values, data, and models to guide decisions that are technically defensible? How do we facilitate adaptive management by creating “decision management products”, akin to scientific data products, where decision processes are reproducible and traceable? What are the best practices informed by decision science that lend structure to the co-creation of resilience solutions by stakeholders and subject matter experts? This poster presents an interdisciplinary framework that synthesizes accomplishments and approaches from informatics, socio-ecological science, decision science, and global change research. The framework demonstrates how our respective roles in the climate solutions enterprise relate to the larger goals of values-focused and data-driven decision management for climate resilience.

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Collaboration Area: [Decisions](#) [3]

[Energy and Climate](#) [4]

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Images:

[6]

Reference: Wee, Brian (2015): Transformation of Data for Societal Benefits. figshare. <https://dx.doi.org/10.6084/m9.figshare.1287369.v3> Retrieved: 14 44, Dec 05, 2016 (GMT)
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[disasters and risk management](#) [15]

[Decision Support](#) [16]

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