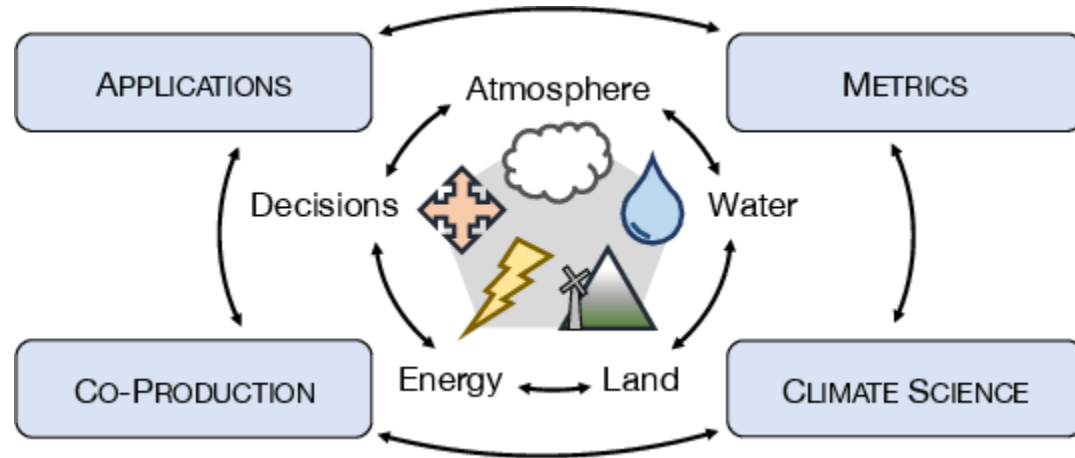


METRICS AS TOOLS FOR BRIDGING CLIMATE SCIENCE AND APPLICATIONS

Scientific Achievement

Metrics are essential tools within climate science. When climate scientists and climate impact practitioners co-design metrics then climate science and decision-making can both be advanced.



Significance and Impact

- A wide variety of different kinds of metrics are critical for adequately assessing climate simulations or datasets.
- Metrics that are more easily understood or can be explained clearly are better at stimulating discourse between scientists and practitioners.
- A diverse group of scientists and practitioners is ideal for the co-production of metric suites, and for extracting meaning from subsequent analysis with those suites.

Research Details

- Provides insights gained from the development and appropriate use of metrics.
- Demonstrates how metrics can be used to engage with stakeholders and inform decision-making.

Reed, K. A., N. Goldenson, R. Grotjahn, W. J. Gutowski, K. Jagannathan, A. D. Jones, L. R. Leung, S. McGinnis, S. C. Pryor, A. K. Srivastava, P. A. Ullrich, and C. M. Zarzycki (2022), Metrics as tools for bridging climate science and applications, WIREs Climate Change, e799, doi: 10.1002/wcc.799.