Computational Tools to Understand and Support the Science Policy Interface in the Age of Big Literature: The Case of Climate Policy

Max Callaghan



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Motivation



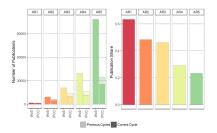


Figure: Source: (Minx et al., 2017)

Motivation



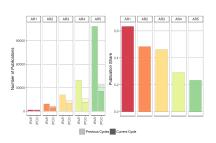


Figure: Source: (Minx et al., 2017)

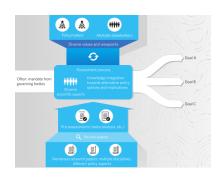


Figure: Source: (Kowarsch, 2015)

Approach



To answer quantitatively:

- What do the layers of the pyramid look like?
- How does information flow between them?

Mapping Climate Change Knowledge

What is the relevant literature, what does the land-scape look like?

Big Literature in Climate Change

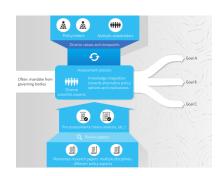
How 'Big' (in volume, variety and velocity) is Climate Change Literature $\,$

Knowledge Accumulation and Blind Spots

Compare IPCC with references and wider literature to assess coverage and knowledge accumulation

Evidence in Policymaking

What types of evidence gets used in different fields of policymaking?



Frame Title



Kowarsch, M. (2015). Policy assessments to enhance EU scientific advice. *Nature Climate Change*, 6(1):1–5.

Minx, J. C., Callaghan, M., Lamb, W. F., Garard, J., and Edenhofer, O. (2017). Learning about climate change solutions in the IPCC and beyond. *Environmental Science & Policy*.