



Multi-layer integration of climate related ledgers: a metadiagram

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2019. Yale Open Innovation Lab, Yale University

This stylized flow diagram provides a visual reference for the potential of applying and integrating blockchain's record keeping system across multiple layers pertaining to global climate accounting and the enforcement of the Paris Agreement. An integrated system, involving multiple blockchain mechanisms connected through shared protocols, would allow contractual automation in the link between finance and climate value flow based on the agreed physical parameter of the Earth system (eg. 1.5°C). A climate portal would allow a user to interface with the global accounting system, as well as digital streamlining the interactive processes for individual actors/agents.

Networked climate market layer adapted from figure 3, World Bank Group "Blockchain and Emerging Digital Technologies for Enhancing Post-2020 Climate Markets," 2018.

