

Interactive comment on “No way out? The double-bind in seeking global prosperity along with mitigated climate change” by T. J. Garrett

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Thank you for your explanation re: software and how stocks, flows, and feedback are being approached in your paper.

Regarding the software you are using for your modelling, MATLAB, although I know it is excellent, this is to suggest that you at least experiment with "STELLA" from iseesystems.com –or an equivalent– to facilitate visualization (and thus understanding and transparency) of your models' stocks, flows, feedback loops, initial and changed stock quantities over time, and so on.

Regarding your explanation of the stocks and flows, I appreciate your comments with respect to stocks in some cases also being flows and vice-versa. Nevertheless I believe

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it would be helpful if in your paper you attempt to more clearly distinguish between, for example, a stock of CO₂ and a flow of CO₂.

Lastly, this is to recommend that you also experiment with Howard Odum's "Emergy" approach to the common denominator challenge, rather than relying too much on questionable concepts such as "GDP" which, for example, often increases when non-renewably environmental stocks are depleted.

Thank you for considering these observations.

-Peter Heffron

Interactive comment on Earth Syst. Dynam. Discuss., 2, 315, 2011.

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