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Hi Richard (and everyone else),
In general, I wonder if we should think about the main message. Right now it reads like it's mostly about the framework, with the results being an inter-
             option is to shift a bit of the emphasis to the very interesting differences, depending on what is considered. It's just a very subtle shift in emphasis. To me that's maybe slightly less risky than making things mostly about framework
Another potential thing we may have to watch for is wording around what we test. Currently, it's not super consistent, but here's an exceept
"Here we introduce a framework that can simultaneously incorporate a range of uncertainties, including political instability and corruption; weak governance; systemic crisis; the probability of project failure; land use impacts..."
Γm happy to help with framing, if you think this is reasonable. But 100% no worries if you think Γm being paranoid. I know I do that with papers...
Also, I really like Rachel's idea re testing differences among scenarios.
Step (fig. 1) the court . I take I should be a superal to a should be a should
Just an idea for the results - what if we related the Nouriation in PA needed between scenarios to the different amounts of uncertainty. You do this informally for Libya and Indonesia, but what about doing this in a quantitative way? E.g., the relationship between convenue variation in PA between scenarios. Happy to discuss more, but might help discuss how these various sources of uncertainty affect results.
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                                                                                             ents. Feel free to incorporate or ignore as you see fit. Happy to discuss further. Looks great!
From: Richard Schuster
Sent: March 3, 2020 3:54 PM
To: Tallech, Vity, Ion Bennett: chaster: Jeffrey Hanson: Jersony Pittman: Allison Binley
Subject: Re: global risk updated results
I was hoping to ask you all to have a close read, tear apart and edit as you see fit and once that's done we can either have a call about the paper, or if we mostly agree on things, I can take your edits, incorporate them and send to the bigger author group for their input.
Jeff, any chance you could work your magic again and provide the maths for the multi-objective formulation?
On 2020-02-18 12:35, Tulloch, Viv wrote:
          Hi Richard
Yep agreed - I think we can much more easily justify the abundance metric than the previous weighting. Nice find Allie.
Cheers
Viv
                      On 18 Feb 2020, at 10:45 am, Richard Schuster spichard schuster@ulel.carleton.ca> wrote:
                           This paper will be doing the trick for us: https://www.nature.com/articles/s41559-017-0234-3
                        From Allis: They actually used the PREDICTS data but linked each of the Verberg land use categories to potential biodiversity too
biodiversity "scores" per land use (table 3).
                         What do you all think? If you think this is the way to go, I can update the analysis and run things again for a hopefully pretty close to complete set of results. If results don't change much, I should be able to send around a draft shortly after the analysis is complete
                        Thanks,
Richard
                                       Tagree that the weighting will need to be well justified. It tirely because we need to deal with it and I think what is proposed is quite reasonable. But I wonder about how it would be received by a grampy reviewer. I wish there were something we could do that was a bit more namened—like a model between human footprint and land use and using some predicted value (but I recognize that'd be circular). The thought about it a fair bit but haven't gotten anywhere satisfying at all
                                       [External Email]
                                       These now expanded the objectives by the base objective using area, which brings us to a total of up to 4 objectives in one scenario. See sectioeconomic in:

See sectioeconomic area.
                                       S = socioecon
L = land us
C = climate
A = area
                                       The following four digits are binary code, representing inclusion (1) of an objective. In the country summary we also have another flag (F = false T - two) indicating if the hierarchy from the four digit binary code has been flagped or not. As you will see from Table 1, the hierarchy matters here. I personally like the hierarchy of S > L > C > As a I faint its casy enough to argue, but please let me know your thoughts.
                                       S - mean some from World Bank (Raded, Leeuny, I still need text on that layer from you please) L - SSF2 scenario change in the est score metric based on my weighting (after enauling with Peter V, I'm currently looking into ways to defend our weighting) C - Frank LaSorte layer representing extreme heat events, which he finish would be a more appropriate metric than climate velocity. A constant of 1 for each par pixel
                                       I will start working on incorporating everyone's comments now and move forward with the writing, under the assumption that what I have described here is what we will be using. Please let me know if you think we need to make changes, so I can incorporate them. Other than that, if anyone wants to help with the writing, preparing outputs such as figures and tables, or finding justification for our choice of land use weights, please let
                                       Thanks,
Richard
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Richard Schuster, Ph.D.
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