

## Katowice-Committee

---

**From:** Pamela McElwee <pm473@sebs.rutgers.edu>  
**Sent:** Thursday, 17 September, 2020 23:48  
**To:** Katowice-Committee  
**Cc:** Smith, Professor Pete  
**Subject:** Knowledge product inputs to Katowice Committee of Experts on the Impacts of the Implementation of Response Measures  
**Attachments:** Smith\_et\_al-2020-Global\_Change\_Biology.pdf; McElwee et al. GCB 15219 with SM.pdf

Following the call for reports on “Exploring approaches to inform the development and implementation of climate change mitigation strategies, plans, policies, and programs that maximize the positive and minimize the negative impacts of response measures”, I would like to submit the following recently published scientific studies from *Global Change Biology*, based on analysis conducted for the 2019 IPCC Climate Change and Land special report.

1. Smith, P., Nkem, J., Calvin, K., Campbell, D., Cherubini, F., Grassi, G., Korotkov, V., Hoang, A.L., Lwasa, S., McElwee, P.D., Nkonya, E., Saigusa, N., Taboada, M., Manning, F., Nampanzira, D., Arias-Navarro, C., Vizzarri, M., House, J. and S. Roe (2020). “Which options co-deliver to mitigation, adaptation, combatting desertification and land-degradation, and delivering food security?” *Global Change Biology* 26(3):1531-1575 <https://doi.org/10.1111/gcb.14878>
2. McElwee, P.D., Calvin, K., Campbell, D., Cherubini, F., Grassi, G., Korotkov, V., Hoang, A.L., Lwasa, S., Nkem, J., Nkonya, E., Saigusa, N., Taboada, M., Manning, F., Nampanzira, D., and Smith, P. (2020) “The impact of interventions in the global land and agri-food sectors on Nature’s Contributions to People and the UN Sustainable Development Goals.” *Global Change Biology*, 26(9):4691-4721. doi: 10.1111/gcb.15219

Both of these papers carefully consider a range of 40 response options to deal with climate mitigation, adaptation or land degradation, and assesses their effectiveness and impact, as well as positive co-benefits and negative trade-offs of each measure. My coauthors and I would be happy to discuss the papers in more depth with anyone who is interested in the findings, and I hope they are useful for the committee’s current work.

Sincerely,  
Dr. Pamela McElwee, Rutgers University, New Jersey, USA