KEY RESOURCES TABLE

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Software and Algorithms		
R studio Version 1.3.959	RStudio	https://www.rstudio.com/products/rstudio/download/
R version 4.0.0, on platform: x86_64-w64-mingw32/x64 (64-bit)	The R Foundation for Statistical Computing	https://cran.r-project.org/bin/windows/base/
ArcMap ver. 10.4.1	ESRI	http://desktop.arcgis.com/en/arcmap/
GIS data		
Rubber bioclimatic suitability map	[1]	Requested from author
Global land cover map, year 2015	[2]	http://esa-landcover-cci.org/
Country polygons (GADM version 3.6, GeoPackage format)	[3]	https://gadm.org/download_world.html
Protected areas (spatial data)	[4]	https://www.protectedplanet.net/
Rubber plantations in mainland Southeast Asia and Hainan Island, China (spatial data)	[5]	Requested from author
Rubber plantations in mainland Southeast Asia and Xishuangbanna Province (spatial data)	[6]	Requested from author
Rubber plantations in Malaysia, Indonesia and Cambodia (spatial data)	[7]	http://data.globalforestwatch.org/datasets/baae47df61ed4a73a6f54f00cb4207e0_5
Rubber concessions in Africa, Asia and New Guinea (point location data)	[8]	https://landmatrix.org/en/get-the-detail/by-crop/rubber/
Global amphibian, mammal, and reptile species distribution maps, downloaded on 10 January 2019 (amphibian and mammal) and 17 February 2020 (reptile)	[9]	http://www.iucnredlist.org

Taxonomy and assessment data (non-spatial) for amphibians (30 May 2019), mammals (6 June 2019), and reptiles (19 February 2020)	[9]	http://www.iucnredlist.org
Global bird species distribution maps (Version 2017.2.)	[10]	http://datazone.birdlife.org/species/requestdis
HBW and BirdLife Taxonomic Checklist (Version 3)	[10]	http://datazone.birdlife.org/species/taxonomy
Accessibility map (travel time to cities), year 2015	[11]	https://malariaatlas.org/research-project/accessibility_to_cities/
Aboveground carbon biomass map	[12]	http://www.wageningenur.nl/grsbiomass
Climate data for extended suitability niche mapping: monthly precipitation, annual precipitation (BIOCLIM 12), precipitation of driest quarter (BIOCLIM 17), mean temperature of wettest quarter (BIOCLIM 8), temperature seasonality (BIOCLIM 4).	[13]	https://worldclim.org/data/worldclim21.html
Climate data for extended suitability niche mapping: frost days per year (1970-2000)	[14]	https://crudata.uea.ac.uk/cru/data/hrg/

1. Ahrends, A., Hollingsworth, P.M., Ziegler, A.D., Fox, J.M., Chen, H., Su, Y., and Xu, J. (2015). Current trends of rubber plantation expansion may threaten biodiversity and livelihoods. Glob. Environ. Chang. *34*, 48–58. Available at: http://dx.doi.org/10.1016/j.gloenvcha.2015.06.002.
2. ESA (2017). Climate Change Initiative (CCI) - Land Cover Project. Available at http://maps.elie.ucl.ac.be/CCI/viewer/index.html.
3. GADM (version 3.6). www.gadm.org (2019). Available at: www.gadm.org [Accessed December 5, 2018].
4. IUCN and UNEP-WCMC (2018). The World Database on Protected Areas (WDPA) [On-line], July 2018. Cambridge, UK: UNEP-WCMC. Available at: www.protectedplanet.net.
5. Li, Z., and Fox, J.M. (2012). Mapping rubber tree growth in mainland Southeast Asia using time-series MODIS 250 m NDVI and statistical data. Appl. Geogr. *32*, 420–432. Available at: http://dx.doi.org/10.1016/j.apgeog.2011.06.018.
6. Hurni, K., and Fox, J. (2018). The expansion of tree-based boom crops in mainland Southeast Asia: 2001 to 2014. J. Land Use Sci. *13*, 198–219. Available at: https://www.tandfonline.com/doi/full/10.1080/1747423X.2018.1499830.
7. Petersen, R., Aksenov, D., Goldman, E., Sargent, S., Harris, N., Manisha, A., Esipova, E., Shevade, V., and Loboda., T. (2016). Mapping Tree Plantations with Multispectral Imagery: Preliminary Results for Seven Tropical CountriesTechnical Note. World Resources Institute,

Washington, DC. Available online at www.wri.org/publication/mapping-tree- plantations.

8. The Land Matrix Global Observatory (2018). landmatrix.org | Get the Detail | By crop | Rubber."Accessed 5 December 2018. Downloaded from https://landmatrix.org/en/get-the-detail/by-crop/rubber/.

9. IUCN (2018). The IUCN Red List of Threatened Species. Version 2018-1. http://www.iucnredlist.org. Downloaded on 10 January 2019.

10. BirdLife International and Handbook of the Birds of the World (2017). Bird species distribution maps of the world. Version 2017.2. Available at http://datazone.birdlife.org/species/requestdis.

11. Weiss, D.J., Nelson, A., Gibson, H.S., Temperley, W., Peedell, S., Lieber, A., Hancher, M., Poyart, E., Belchior, S., Fullman, N., *et al.* (2018). A global map of travel time to cities to assess inequalities in accessibility in 2015. Nature *553*, 333–336. Available at: http://dx.doi.org/10.1038/nature25181.

12. Avitabile, V., Herold, M., Heuvelink, G.B.M., Lewis, S.L., Phillips, O.L., Asner, G.P., Armston, J., Ashton, P.S., Banin, L., Bayol, N., *et al.* (2016). An integrated pan-tropical biomass map using multiple reference datasets. Glob. Chang. Biol. *22*, 1406–1420.

13. Fick, S.E., and Hijmans, R.J. (2017). WorldClim 2: new 1-km spatial resolution climate surfaces for global land areas. Int. J. Climatol. *37*, 4302–4315. Available at: https://onlinelibrary.wiley.com/doi/abs/10.1002/joc.5086.

14. Harris, I., Osborn, T.J., Jones, P., and Lister, D. (2020). Version 4 of the CRU TS monthly high-resolution gridded multivariate climate dataset. Sci. Data *7*, 109. Available at: http://www.nature.com/articles/s41597-020-0453-3.