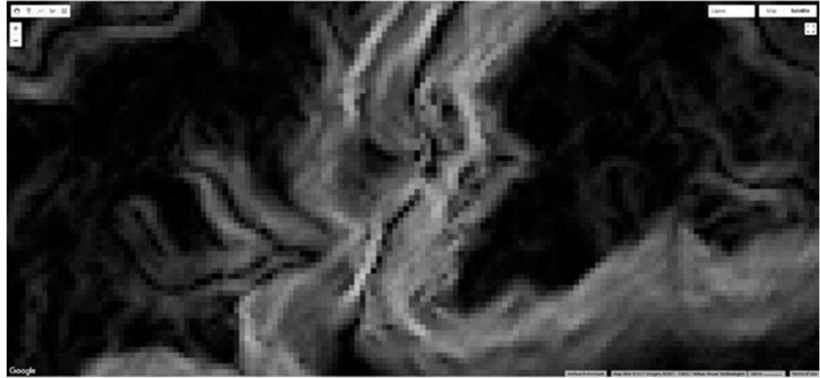


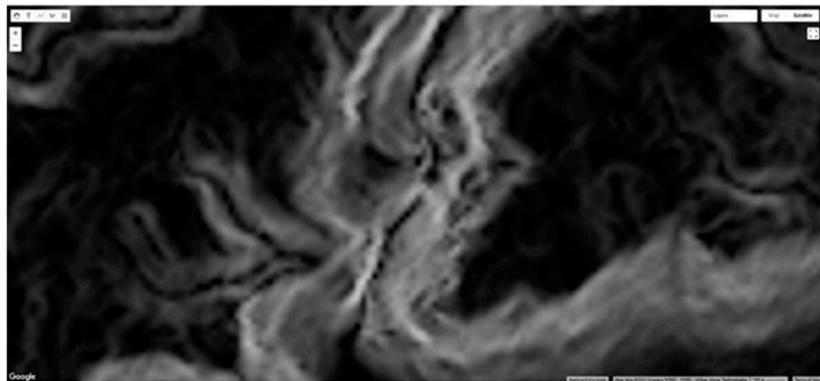
**Supplementary Materials:** An interactive geospatial platform was created to allow for visualization and exploration of the maps produced in this study. It can be accessed at <https://marceloarvore.users.earthengine.app/view/dracaena-cinnabari-accessibility> (accessed on 10 August 2022). JavaScript code in Google Earth Engine (dummy settlement locations) can be accessed at [https://code.earthengine.google.com/043e3b0675437ae51178ab822bebf452\\_](https://code.earthengine.google.com/043e3b0675437ae51178ab822bebf452_) (accessed on 10 August 2022).



(a)

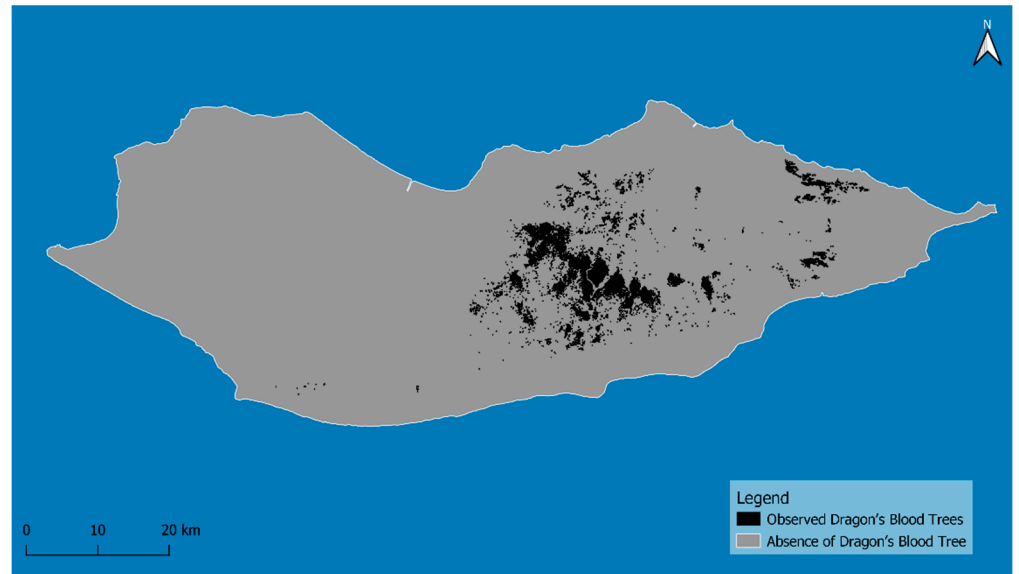


(b)

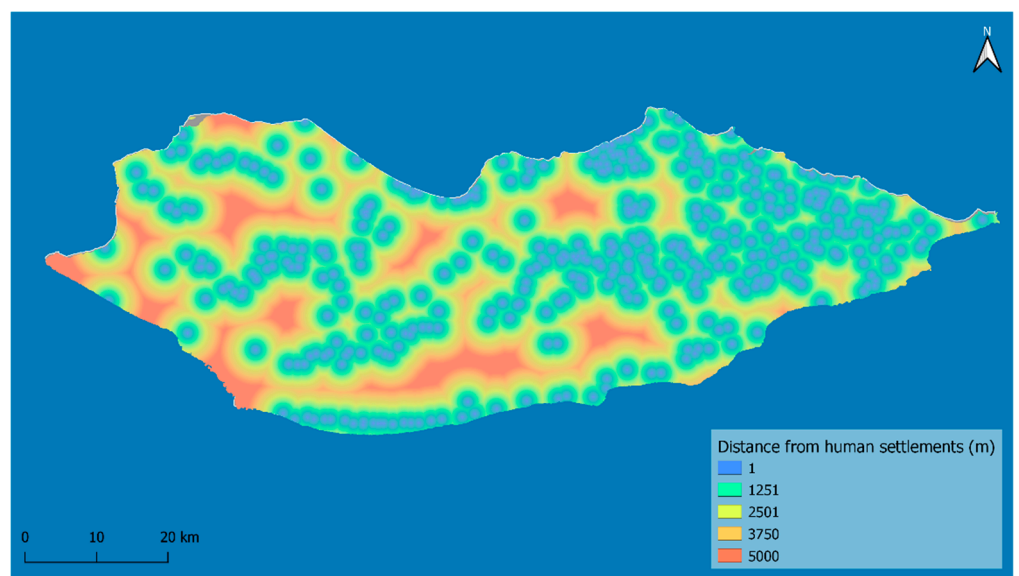


(c)

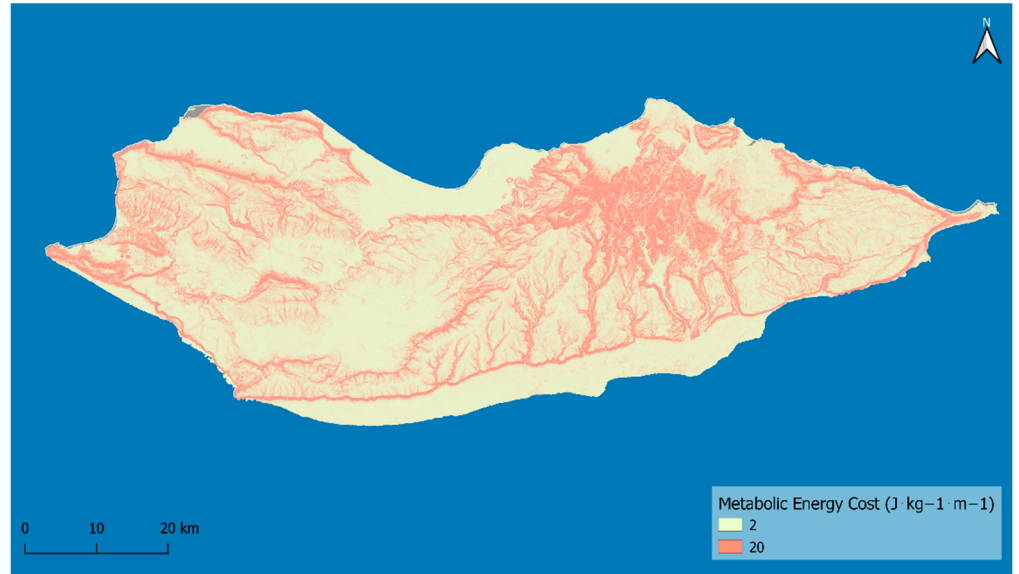
**Supplementary Figure S1.** Slope imagery showing (a) the original layer (slope with a resolution of 30 m [66]); (b) high-resolution image of the area [67]; (c) resampled slope image applying a bicubic interpolation function in Google Earth Engine. See the Supplementary Materials section for an interactive geoportal.



**Supplementary Figure S2.** Current distribution of *Dracaena cinnabari* in Socotra, based on [6].



**Supplementary Figure S3.** Relative distance from human settlements (blue = close to settlement, orange = far from settlements), modified based on [51].



**Supplementary Figure S4.** Metabolic energy cost ( $\text{J} \cdot \text{kg}^{-1} \cdot \text{m}^{-1}$ ) for land users on the island of Socotra, based on slope.