

Text S2 Sources for species range used in producing the distribution maps.

Pre-existing Geographical Information System (GIS) databases existed for marine invertebrates (corals [120], crustaceans, and molluscs [74]) and coral reef fishes [67]. For non-coral reef fishes, distribution information was collected from scientific articles [121-133], Food and Agriculture Organization field guides [134-136]; with additional literature too numerous to list but listed in Eschmeyer, 1998 [137] which was used to correct taxonomy and ranges, and expand ranges to the entire Indo-Pacific), species' catalogues [138-142], and an internet database [143]. Distributions of mangroves and seagrasses were taken from atlases [90,92]. Many of the maps were checked for accuracy and additional ones developed by experts as part of the International Union for Conservation of Nature, Global Marine Species Assessment [2]. In particular, distributions of reef-building corals, mangroves [100], seagrasses [101], and many families of coral-reef fishes were checked and further developed in this manner.

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