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PUBLISHED BY AAAS
www.sciencemag.org
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Tropical marine organisms are shifting northward as a consequence of climate change. This migration is leading to changes in the distribution of species, which in turn affects the ecosystems they inhabit. For example, the migration of planktonic species northward is altering the food web dynamics, impacting both local and global marine biodiversity. This shift also has implications for human populations that depend on marine resources for subsistence and livelihood. Understanding the mechanisms driving these shifts and their ecological impacts is crucial for developing effective conservation strategies and adaptation measures. 

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Science 338 (6107), 578-1277.