

## Marine Renewable Energy in Tropical and Subtropical Ecosystems

Marine renewable energy devices and studies about their potential environmental effects have mostly taken place in temperate regions, which are areas with mild temperatures that have changing seasons like spring, summer, fall, and winter. As more marine renewable energy devices are placed in different regions, scientists need to understand how new environments and animals may be affected differently. Tropical and subtropical regions, which are areas that are warm all year, have unique ecosystems, such as coral reefs and mangrove forests; a lot of different marine habitats, plants, and animals (known as high biodiversity); and complex food webs. Marine renewable energy development may present additional risks compared to temperate regions, which makes studying them really important!

