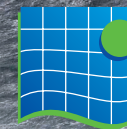


Exploring Our Marine

Energy from our Ocean

- Ireland is ideally located to benefit from the natural marine renewable energy resources generated in the Atlantic Ocean. Ireland possesses one of the richest wave and wind climates in the world.
- Wave energy refers to the energy contained in the ocean surface waves and the capture of that energy to generate electricity. Tidal energy converts the energy of the tides to usable electricity.
- Offshore wind energy takes advantage of the force of the wind that is produced on the high seas. Ireland is an ideal location to develop offshore wind energy, as the highest average wind speeds in Europe are found off our west coast.
- Irish companies are developing new devices and technologies with global export potential to effectively harness power from offshore wind, waves and tidal resources. Research and development for these pre-commercial technologies is supported by test facilities around the country.
- The Marine Institute supports Ireland's marine renewable energy sector by providing access to research infrastructure and marine data, coordinating and funding marine research activities, and providing technical services and scientific advice to Government, industry and researchers.



Foras na Mara
Marine Institute

