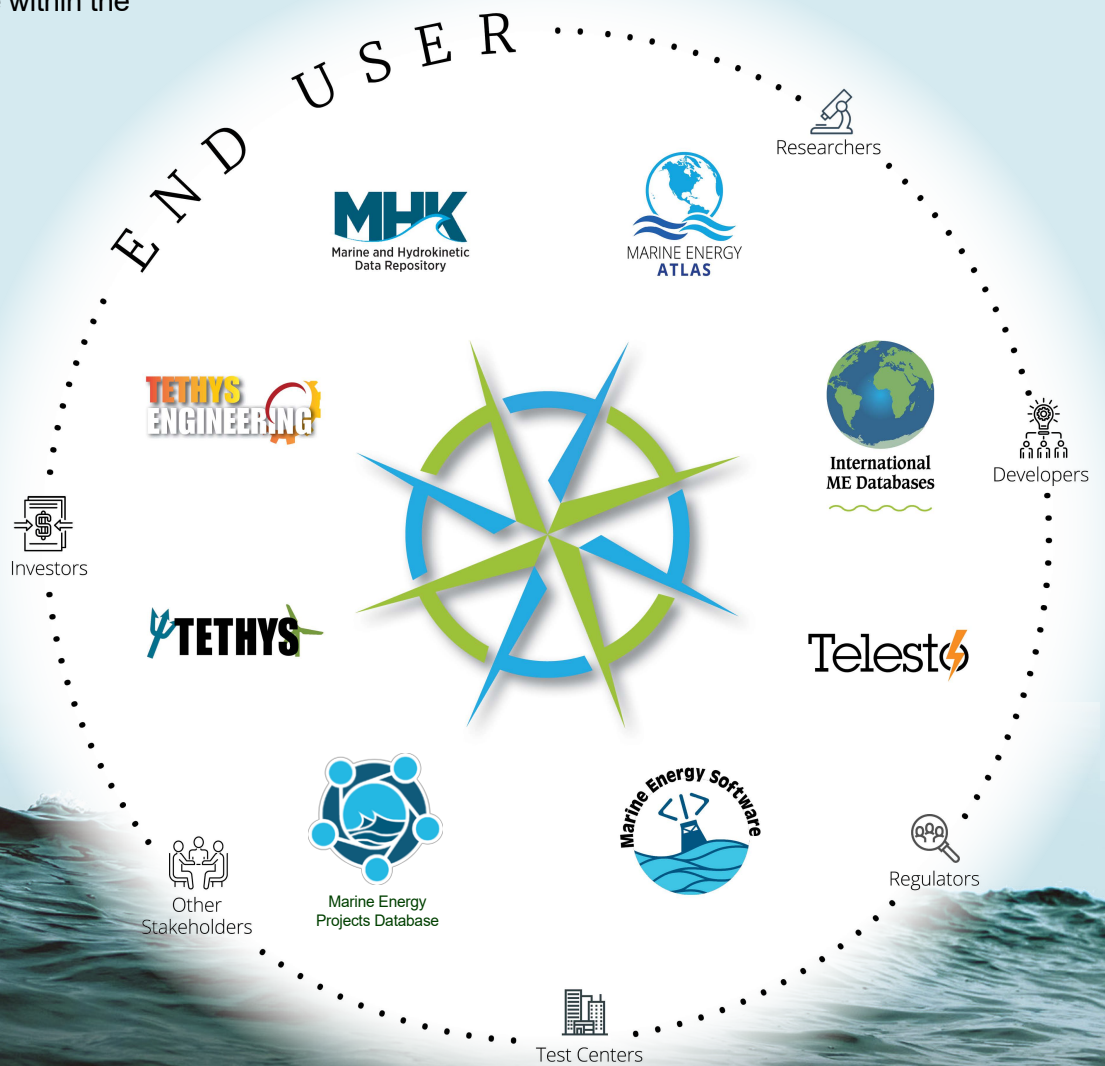


Portal and Repository for Information on Marine Renewable Energy

Advances in marine energy are producing large quantities of information, ranging from power performance data and environmental monitoring reports to device testing guidance and software code. Data and information from marine energy projects are often not publicly available, are stored in many locations and in diverse formats, and are often not cataloged or easily accessible. As demonstrated in other industries, sharing data and information plays a crucial role in spurring innovation, reducing costs, and advancing technologies.

The U.S. Department of Energy's (DOE) Water Power Technologies Office (WPTO) directed the National Laboratory of the Rockies, Pacific Northwest National Laboratory, and Sandia National Laboratories to enhance the accessibility and discoverability of information relevant to marine energy research and development in the United States. The Portal and Repository for Information on Marine Renewable Energy (PRIMRE) provides easy access to the seven knowledge hubs (detailed below) and other resources available within the marine energy space.

Marine energy is also known as marine renewable energy [MRE] and marine and hydrokinetic energy [MHK].



Scan to visit PRIMRE!

The PRIMRE universe, with PRIMRE indicated as the central entry point, and the Knowledge Hubs arranged around it. The outer ring indicates the stakeholder groups served by PRIMRE.

PRIMRE Knowledge Hubs

MHKDR

Marine and Hydrokinetic Data Repository (MHKDR) is a repository for data collected by WPTO-funded projects, including results of tank and open water device tests, resource characterization data and model outputs, techno-economic analyses, levelized cost of energy estimates, and more.

Tethys

Tethys hosts thousands of documents on the environmental effects of wind and marine energy around the world, along with a suite of other resources intended to support the international marine energy community through the OES-Environmental initiative.

Tethys Engineering

Tethys Engineering hosts thousands of documents on the technical aspects of marine energy research, development, and deployment, as well as a free photo library with over 900 photos from over 60 developers around the world.

Marine Energy Atlas

Marine Energy Atlas is an interactive geospatial data mapping tool that lets you explore marine energy potential in the United States with data layers on wave energy, tidal, ocean, riverine current, and ocean thermal resources.

Marine Energy Projects Database

Marine Energy Projects Database contains up-to-date information on marine energy device developments and open water projects and test sites around the world, as well as the organizations leading these advances.

Marine Energy Software

Marine Energy Software serves as a public resource for software relevant to marine energy applications, including both commercial and open source packages. It hosts a searchable software discovery platform, including software for simulation, and data processing and analysis.

Telesto

Telesto provides information and guidance for marine energy project planning, design, testing, measurement, deployment, and decommissioning. It focuses on lessons learned within the industry, performance metrics, economics, and standards.

For More Information

Visit <https://primre.org> for more information on the Knowledge Hubs, tools and codes, and other resources available through PRIMRE. Subscribe to the PRIMRE Blast newsletter to stay up-to-date with the marine energy community!

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