

# Marine and Hydrokinetic (MHK) Databases and Systems

Developed with support from the U.S. Department of Energy

The following online information resources are designed to provide the public access to information pertaining to MHK technologies, projects, and research.

## U.S. Department of Energy's Water Power Gateway on OpenEI

OpenEI is a wiki platform that links crowdsourced information on hundreds of renewable energy and energy efficiency topics. OpenEI's Water Power Gateway serves as a platform for the MHK community to share, showcase, and build upon databases, tools, publications, and interactive maps regarding developments in MHK.

- Search OpenEI's MHK Technology Database to learn about MHK projects and technologies around the world.
- Actively participate in the MHK community by asking questions and providing feedback on the Water Power Community Forum.

A MHK Data Repository is currently under development on OpenEI to manage the receipt, protection, and dissemination of scientific and technical data generated by U.S. Department of Energy-funded projects.



Open Energy Information

Water Power Gateway: <http://openei.org/wiki/water>



Marine and Hydrokinetic  
Data Repository  
U.S. DEPARTMENT OF ENERGY

MHK Data Repository (coming to OpenEI Spring 2015):

<https://mhkdr.openei.org/>

## National Renewable Energy Laboratory's MHK Atlas: An Interactive Mapping Tool

The MHK Atlas is an interactive mapping tool for exploring the potential for MHK resource development. The MHK Atlas depicts and maps U.S. wave energy, tidal, ocean, ocean thermal, and riverine current resources in the United States. Users can explore several variables in each of these mapped resource types using data layers. For example, in the wave energy map, data plot wave power density, wave height, wave energy period, and wave hindcast direction.



NATIONAL RENEWABLE ENERGY LABORATORY

[http://maps.nrel.gov/mhk\\_atlas](http://maps.nrel.gov/mhk_atlas)

## Pacific Northwest National Laboratory's Tethys: A Knowledge Management System

Tethys is a knowledge management system that gathers, organizes, and provides access to information pertaining to the potential environmental effects of MHK. Tethys enables access to hundreds of peer reviewed papers, technical reports, geospatial content, and other media. Information is intuitively organized to provide quick and simple searching of the content with keyword searches, column sorting, and several filters.



[http://mhk.pnnl.gov/wiki/index.php/Tethys\\_Home](http://mhk.pnnl.gov/wiki/index.php/Tethys_Home)

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