

# National Environmental Monitoring Sites Register

A consolidated view of Australia's environmental monitoring sites

[www.neii.gov.au/nemsr](http://www.neii.gov.au/nemsr)



## What is the National Environmental Monitoring Sites Register? (NEMSR)

The NEMSR is a core component of the National Environmental Information Infrastructure (NEII) (<http://www.neii.gov.au>). It is an application that **ingests, stores and displays** key attributes of Australia's high-quality environmental monitoring networks. The attributes include data custodian, location, observation types and methods. Where available, the NEMSR also links to the observational data itself.

## Why is the NEMSR an important development?

**For the first time**, users can access consistent information regarding the nation's environmental monitoring capability from across environmental domains.

## What networks are available in the NEMSR?

Networks include seismic monitoring stations, Acoustic Pressure, ACORN-SAT Surface Air Temperature, Water Data Online, Ground Cover Reference Sites OzFlux Australian Supersites Network, Deep Water Moorings, National Mooring Network, Ocean Radars, Wireless Sensor Networks, Rainfall Radars, Macroinvertebrate Monitoring Network Phytoplankton Monitoring Network, National Reference Stations, Acidification Moorings Acoustic Observatories, Fish Survey Networks and many more. The NEMSR will grow as new networks are added.

## Why are environmental monitoring sites across Australia so important?

Observations from monitoring sites are **fundamental** for understanding environmental change, predicting future states, and examining cause-and-effect relationships.

The NEMSR brings together monitoring sites across environmental domains. This will make it easier to identify and examine links between our air, land, water, oceans, and biota.

## How can I use the NEMSR?

The service can be accessed in two ways:

1. **Data viewer – an interactive mapping tool**  
[www.neii.gov.au/viewer](http://www.neii.gov.au/viewer).
2. **NEMSR API - registered networks and their web service endpoints**  
<http://www.neii.gov.au/nemsr/using>

## How can I contribute to the NEMSR?

The NEII programme is working with partners through the NEII Reference Group to identify and on-board further monitoring networks.

**Contact** [environment@bom.gov.au](mailto:environment@bom.gov.au) to register additional monitoring networks.

**Guidelines** for preparing data using the NEMSR information model, vocabularies, and data format are available at <http://www.neii.gov.au/nemsr/data-providers>.

# Quick start guide: National Environmental Monitoring Sites Register

## Start here

Click on '+ Add data' to:

- Browse the Data Catalogue
- Add NEII Data Services
- Add Environmental Monitoring Sites

CLICK to view data services information

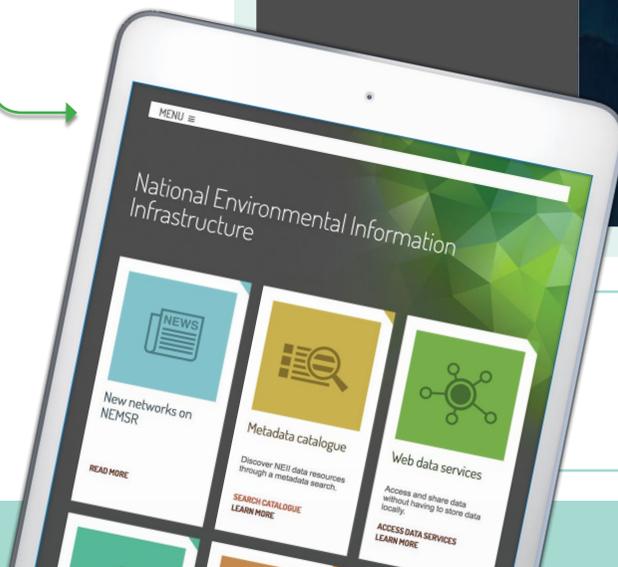
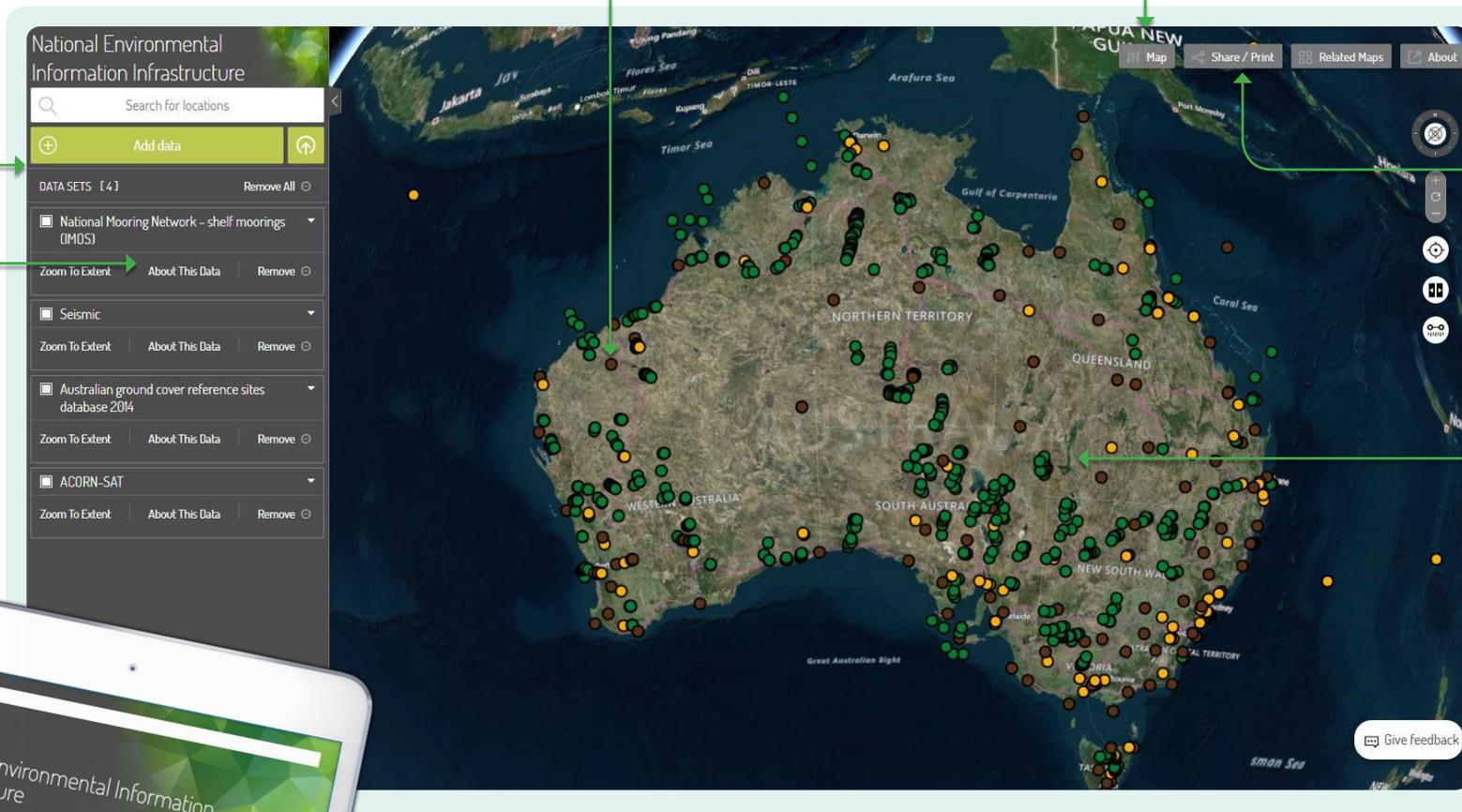
For more information about the National Environmental Information Infrastructure go to [www.neii.gov.au](http://www.neii.gov.au)

CLICK on a dot to see site information and link to data

CHANGE the viewer's base map

SHARE your work:  
• Copy and send  
• Shorten the Share URL

DRAG AND DROP your own GEOJSON files on the map



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