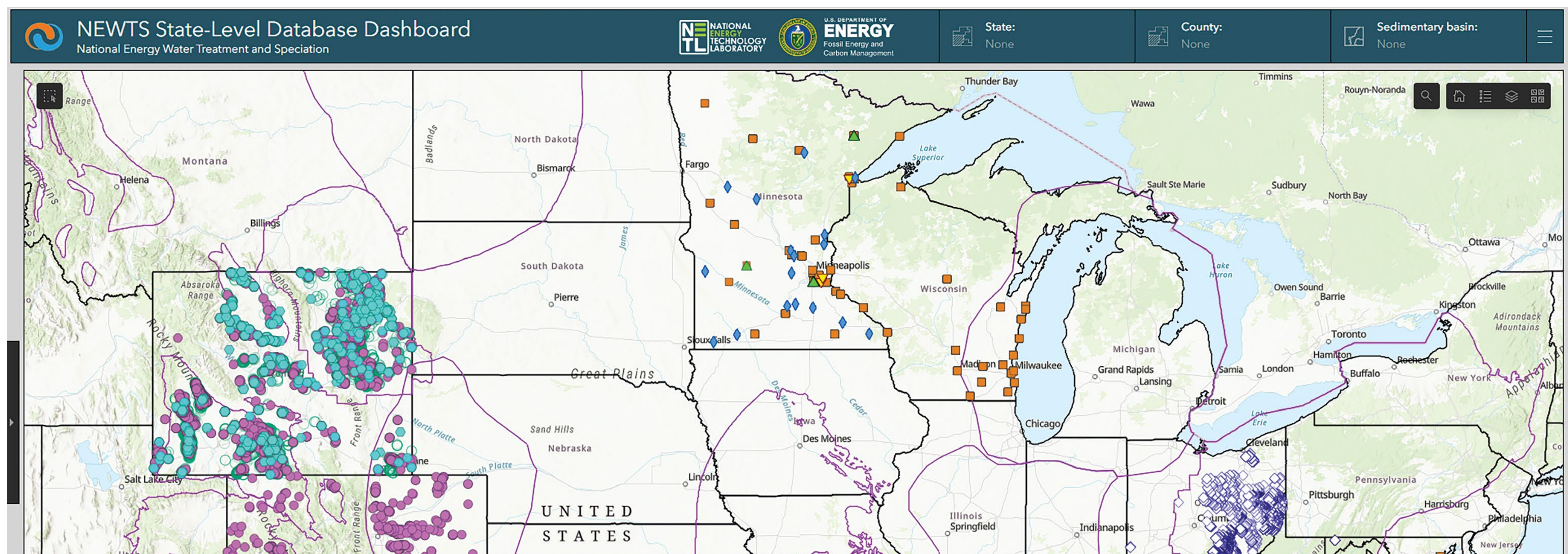
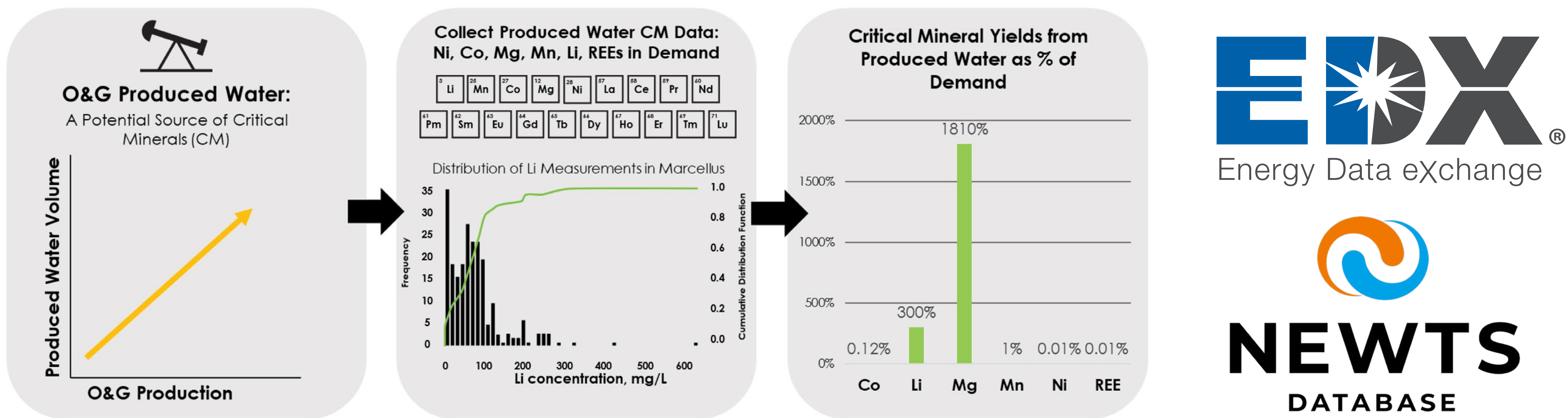


NETL's Water Database Key to Energy-Related Water Cleanup

A database and dashboard increase the accessibility of state-level energy-related wastewater data to support critical minerals resource assessments and development of water treatment technologies.



NETS state-level database dashboard.

The National Energy Water Treatment and Speciation (NETS) database—which provides information about chemical constituents found in energy-related wastewater streams such as oil and gas produced water, acid mine drainage, coal ash leachate, and brackish water—has received key updates with new datasets that have been historically difficult for researchers to access.

- A new state-level database dashboard, hosted on NETL's Energy Data Exchange (EDX) platform, simplifies visualization and investigation of data acquired from state environmental protection agencies.
- An integrated state-level dataset that standardizes data formatting and reporting for more than 300,000 water samples.
- Publication of historical produced water data from 850 samples collected in the 1960s.
- New data used to train the Constituent Data Replacement Tool (Co-DART), a machine-learning tool for predicting missing chemical constituent data.