A Tour of the EarthChem Library (ECL)

http://www.earthchem.org/library
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Welcome to the EarthChem Library (ECL)

The ECL is a data repository that archives and publishes data from geoscience research. In this tutorial you will get a tour of the ECL. The homepage for the EarthChem Library explains the goals and services provided by the ECL and can be found [http://www.earthchem.org/library](http://www.earthchem.org/library).
Navigation Menu

On each page in the ECL, you can navigate the site using the ECL Menu at the top of the page.
The browse view shows dataset title, description, authors, release date, and the link to the datasets. You can sort the browse view by title or release date by clicking on the column header.
Dataset Profile Page

By clicking View Details next to a dataset listing, you reach the dataset profile page. Here you can view the metadata that is based on the DataCite kernel. Besides basic information about the dataset, you can follow a link to any related publications.
Download a dataset

At the bottom of the dataset profile page, there is a button to download the dataset. The dataset is available for download only after the Release Date set by the author.
Search Page

On the search page, you can search by keyword, author, data type, IGSN, release date, as well as location.
Data submission templates

If you would like to submit a dataset to the ECL, we encourage you to use the ECL Data Submission Templates. There are templates for both geochemistry (bulk elemental, bulk isotope, in situ mineral or glass, in situ inclusions, vent fluids, and volcanic gases) data. Data templates are also available for U-Pb, (U-Th)-He, Ar-Ar, and fission track geochronological data. Find templates at [http://www.earthchem.org/data/templates](http://www.earthchem.org/data/templates).
Submitting a dataset to ECL

When you are ready to submit your dataset, click on the Menu choice “Contribute.”
GeoPass

Log on with a GeoPass account. If you do not have an account, you will be prompted to sign up for one. The GeoPass system is a single-sign on for several IEDA (Interdisciplinary Earth Data Alliance) systems.
Data submission data entry page

Once signed in, you are asked for the following information on the data entry page: dataset title, language, data type, creator, description, keywords, related publications, primary publication DOI, release date, spatial coverage, geographic keywords, and the actual dataset file.
Entering Award Number

When submitting a dataset, you have the option to enter NSF, NASA, or other award numbers to link to your data. This helps with data management reporting and the new Data Management Plan requirement from NSF.
Finally, visit the Help & Tutorials page at https://earthchem.org/support/help to see overviews of contributing data to EarthChem Library, data submission guidelines and YouTube tutorials, and more information on how to cite data from the ECL.
Thank you

This has been an introduction to the ECL capabilities for finding, searching for, submitting, and managing data. Please contact us with any questions at info@earthchem.org.