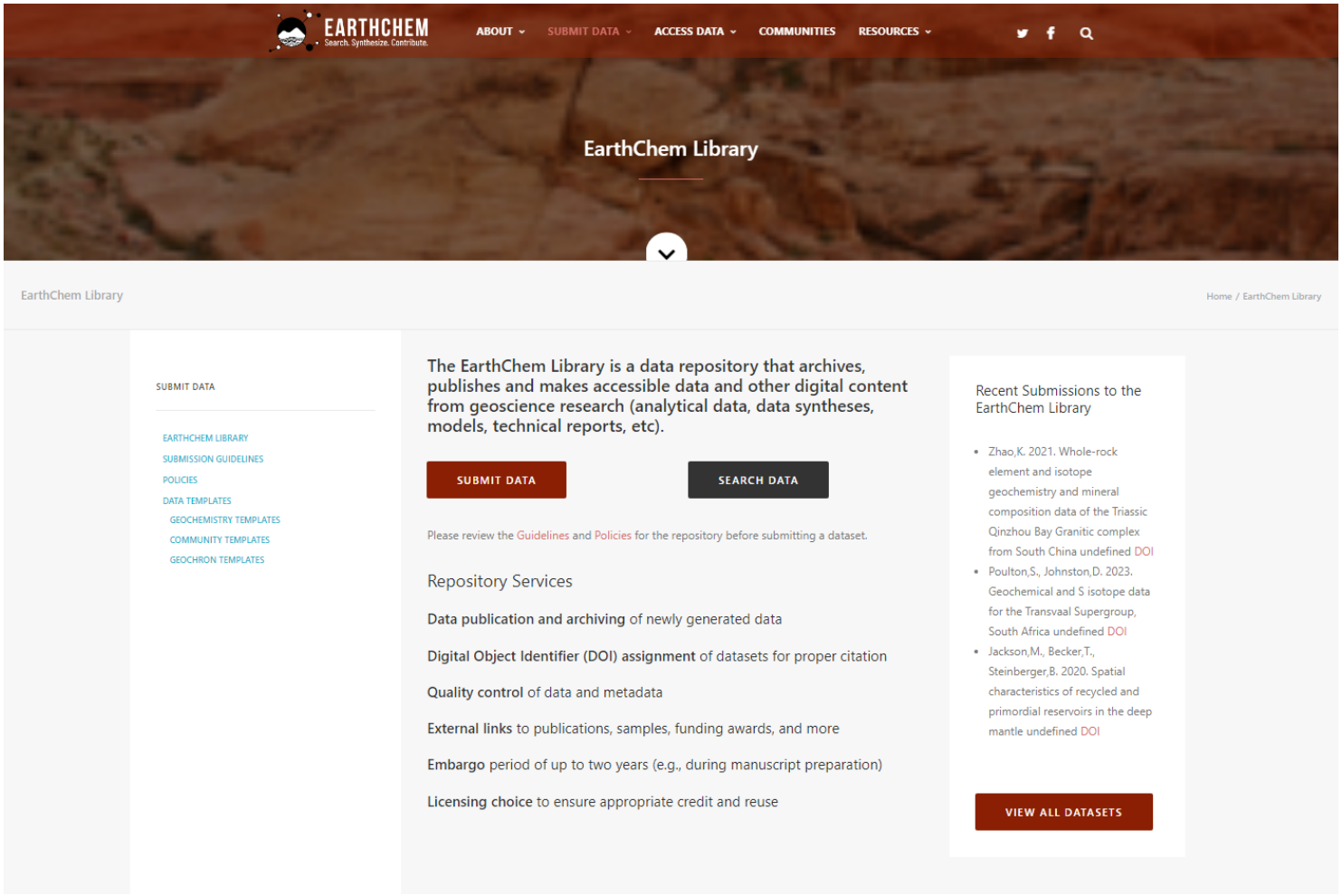
A Tour of the EarthChem Library (ECL)

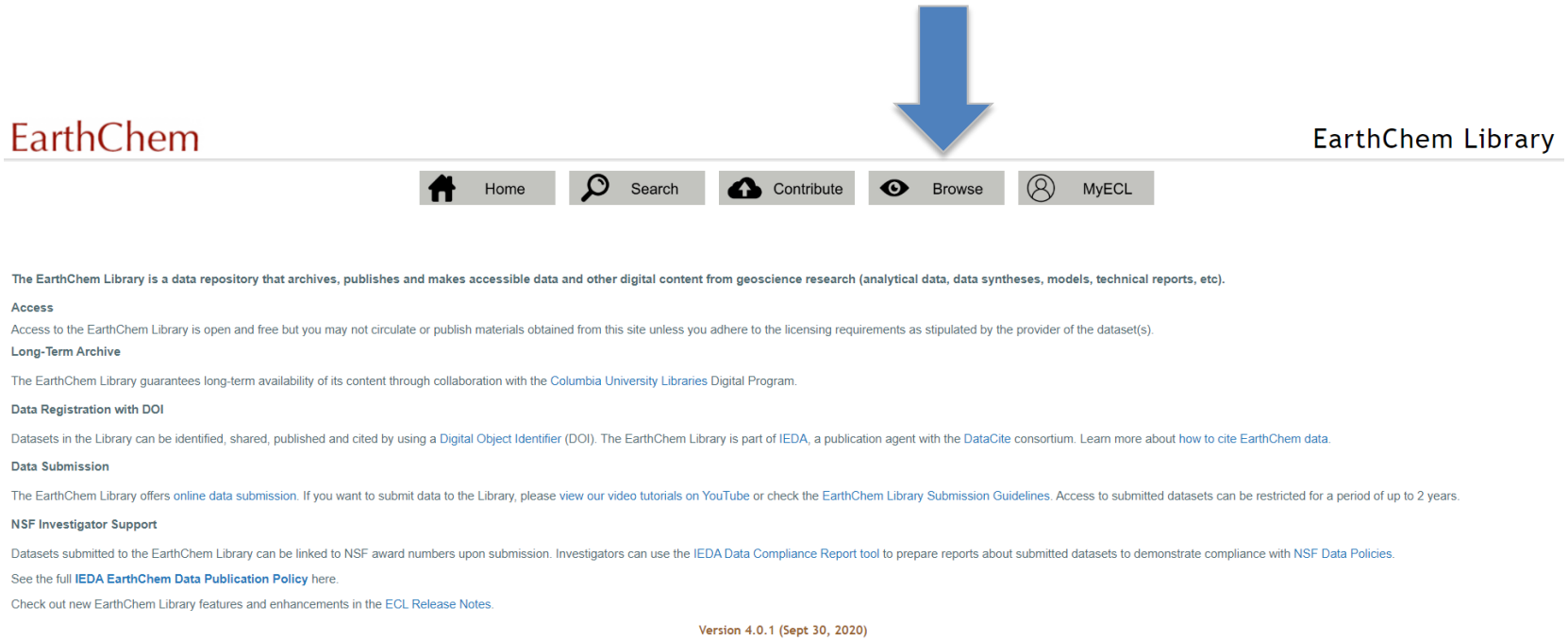
http://www.earthchem.org/library

info@earthchem.org



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.

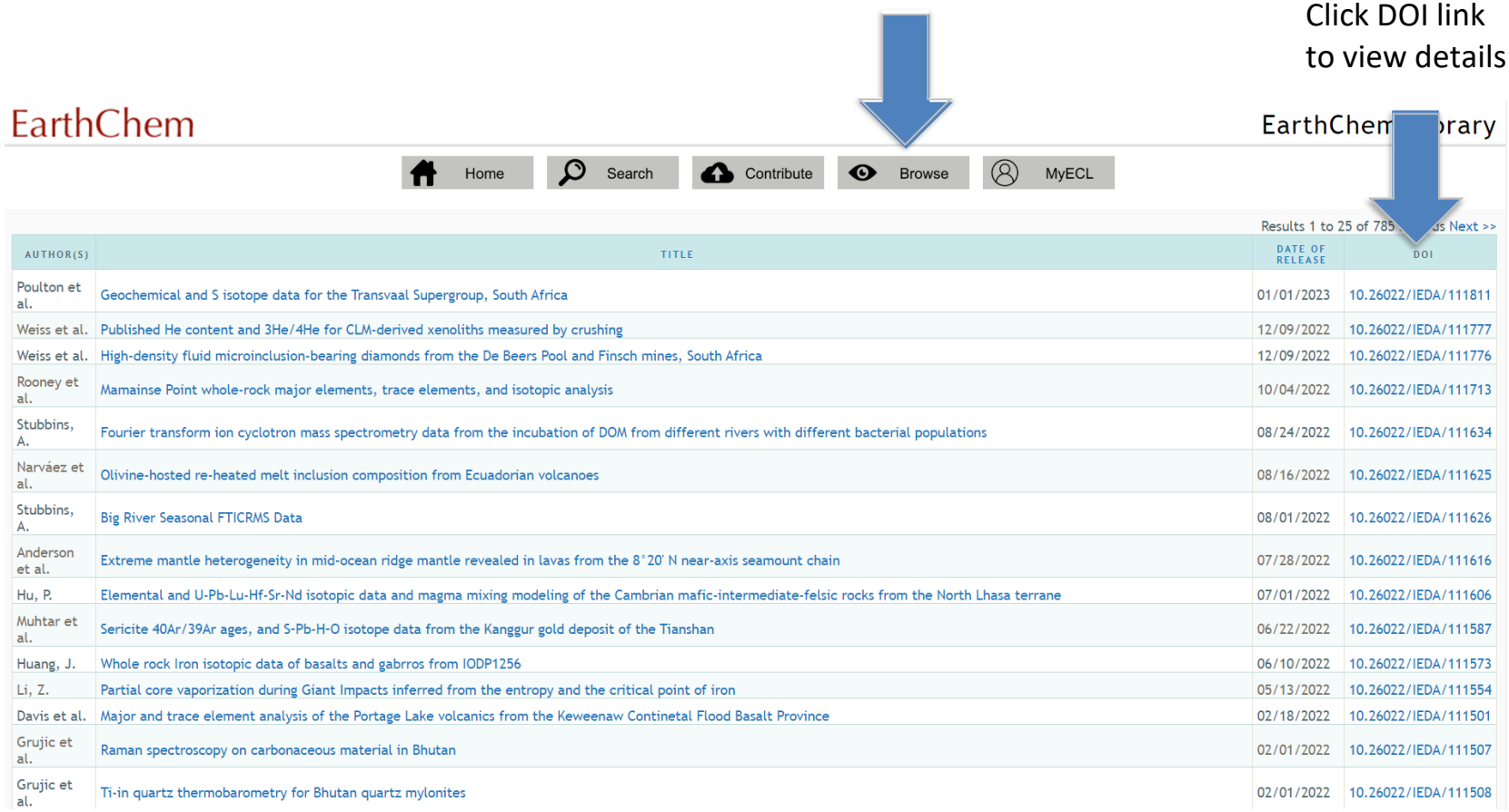


Navigation Menu

On each page in the ECL, you can navigate the site using the ECL Menu at the top of the page.

Browse View

Click DOI link
to view details



AUTHOR(S)	TITLE	DATE OF RELEASE	DOI
Poulton et al.	Geochemical and S isotope data for the Transvaal Supergroup, South Africa	01/01/2023	10.26022/IEDA/111811
Weiss et al.	Published He content and 3He/4He for CLM-derived xenoliths measured by crushing	12/09/2022	10.26022/IEDA/111777
Weiss et al.	High-density fluid microinclusion-bearing diamonds from the De Beers Pool and Finsch mines, South Africa	12/09/2022	10.26022/IEDA/111776
Rooney et al.	Mamainse Point whole-rock major elements, trace elements, and isotopic analysis	10/04/2022	10.26022/IEDA/111713
Stubbins, A.	Fourier transform ion cyclotron mass spectrometry data from the incubation of DOM from different rivers with different bacterial populations	08/24/2022	10.26022/IEDA/111634
Narváez et al.	Olivine-hosted re-heated melt inclusion composition from Ecuadorian volcanoes	08/16/2022	10.26022/IEDA/111625
Stubbins, A.	Big River Seasonal FTICRMS Data	08/01/2022	10.26022/IEDA/111626
Anderson et al.	Extreme mantle heterogeneity in mid-ocean ridge mantle revealed in lavas from the 8°20' N near-axis seamount chain	07/28/2022	10.26022/IEDA/111616
Hu, P.	Elemental and U-Pb-Lu-Hf-Sr-Nd isotopic data and magma mixing modeling of the Cambrian mafic-intermediate-felsic rocks from the North Lhasa terrane	07/01/2022	10.26022/IEDA/111606
Muhtar et al.	Sericite 40Ar/39Ar ages, and S-Pb-H-O isotope data from the Kanggur gold deposit of the Tianshan	06/22/2022	10.26022/IEDA/111587
Huang, J.	Whole rock Iron isotopic data of basalts and gabrros from IODP1256	06/10/2022	10.26022/IEDA/111573
Li, Z.	Partial core vaporization during Giant Impacts inferred from the entropy and the critical point of iron	05/13/2022	10.26022/IEDA/111554
Davis et al.	Major and trace element analysis of the Portage Lake volcanics from the Keweenaw Continetal Flood Basalt Province	02/18/2022	10.26022/IEDA/111501
Grujic et al.	Raman spectroscopy on carbonaceous material in Bhutan	02/01/2022	10.26022/IEDA/111507
Grujic et al.	Ti-in quartz thermobarometry for Bhutan quartz mylonites	02/01/2022	10.26022/IEDA/111508

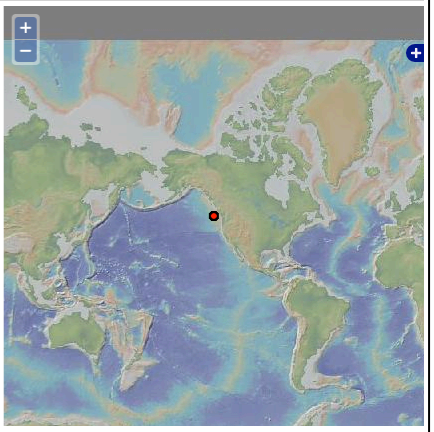
Browse View

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.

EarthChem Library

Return to ECL

Data DOI: 10.1594/IEDA/100428



Citation: David Clague, Brian M. Dreyer, Jennifer B. Paduan, Julie F. Martin, William W. Chadwick, David W. Caress, Ryan A. Portner, Thomas P. Guilderson, Mary L. McGann, Hans Thomas, David A. Butterfield, Robert W. Embley, (2014), Glass compositions for Axial Seamount samples Interdisciplinary Earth Data Alliance (IEDA). doi:10.1594/IEDA/100428

Title: Glass compositions for Axial Seamount samples

Abstract: **This new version updates the Primary Method Metadata tab.** Major element compositions of glass from lava samples from Axial Seamount, Juan de Fuca Ridge, determined by electron microprobe. Samples were collected between 2005 and 2011 by ROVs and wax-tipped rock corer. The data were used in conjunction with high-resolution AUV bathymetry, ROV observations, and age dating of foraminifera in sediment cores to develop a geologic history of Axial Seamount.

Other Description: Clague, D.A., B.M. Dreyer, J.B. Paduan, J.F. Martin, W.W. Chadwick Jr., D.W. Caress, R.A. Portner, T.P. Guilderson, M.L. McGann, H. Thomas, D.A. Butterfield, and R.W. Embley (2013). "Geologic History of the Summit of Axial Seamount, Juan de Fuca Ridge", Geochem. Geophys. Geosyst. 14(20): 4403-4443.

Creator(s):
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David A. Butterfield; SCOPUS: 48960970400
Robert W. Embley; SCOPUS: 7003610383

Date Available: 2014-03-22

Date Created: 2014-03-21

Data Type(s):
Chemistry:Rock
Petrography

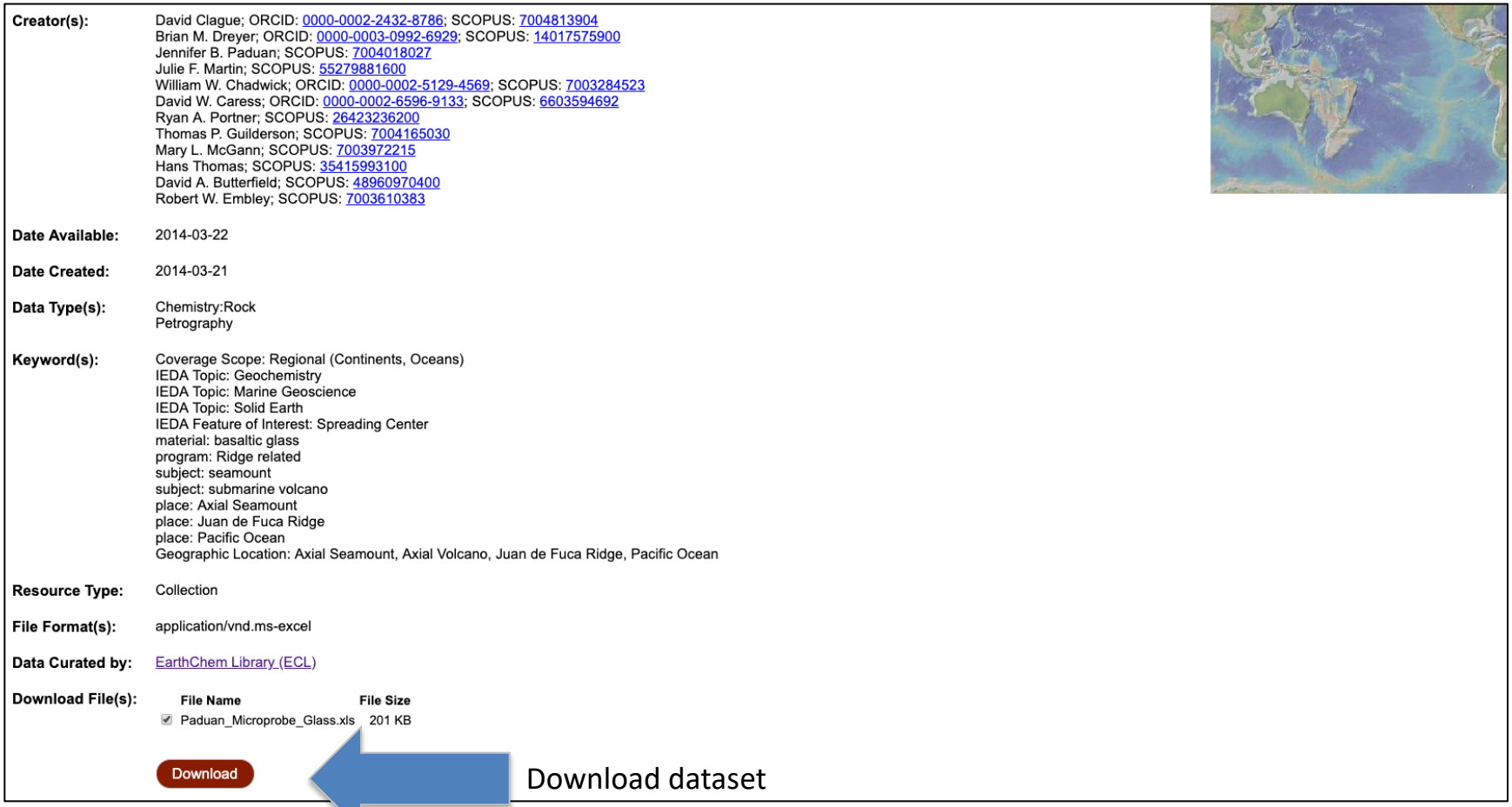
Keyword(s):
Coverage Scope: Regional (Continents, Oceans)
IEDA Topic: Geochemistry
IEDA Topic: Marine Geoscience
IEDA Topic: Solid Earth
IEDA Feature of Interest: Spreading Center
material: basaltic glass
program: Ridge related
subject: seamount
subject: submarine volcano
place: Axial Seamount
place: Juan de Fuca Ridge
place: Pacific Ocean
Geographic Location: Axial Seamount, Axial Volcano, Juan de Fuca Ridge, Pacific Ocean

Resource Type: Collection

File Format(s): application/vnd.ms-excel

Dataset Profile Page

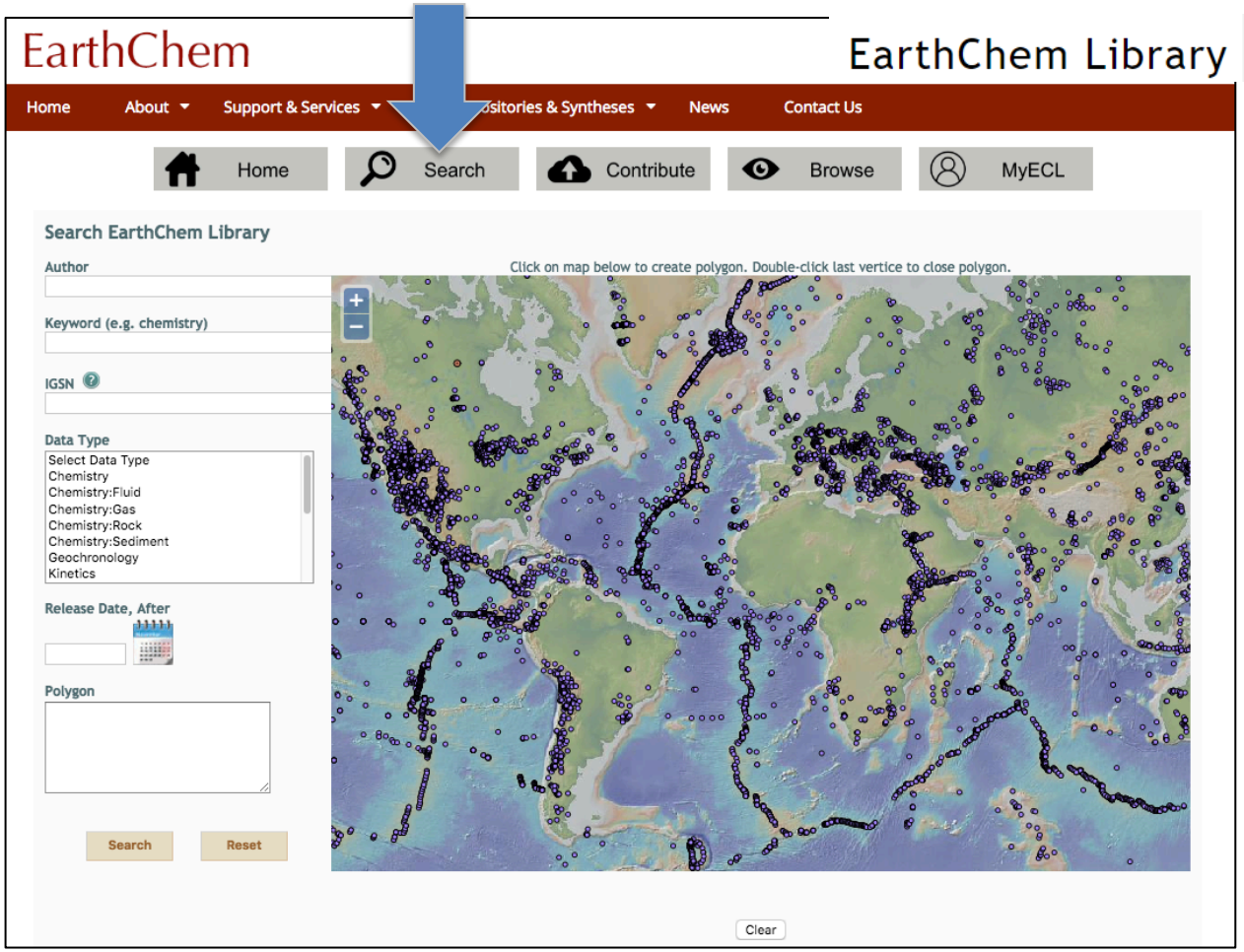
By clicking View Details next to a dataset listing, you reach the dataset profile page. Here you can view the metadata that is based on the DataCite kernel. Besides basic information about the dataset, you can follow a link to any related publications.



Download a dataset

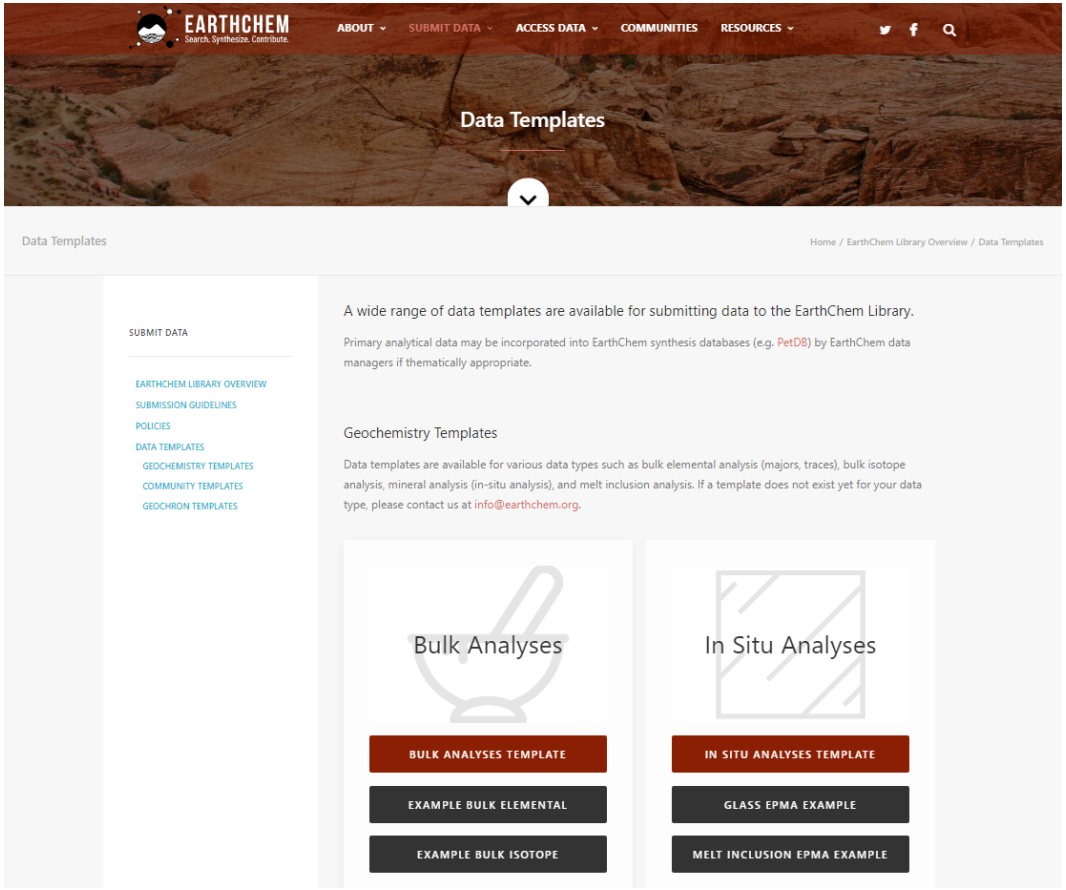
At the bottom of the dataset profile page, there is a button to download the dataset. The dataset is available for download only after the Release Date set by the author.

Search Page



Search Page

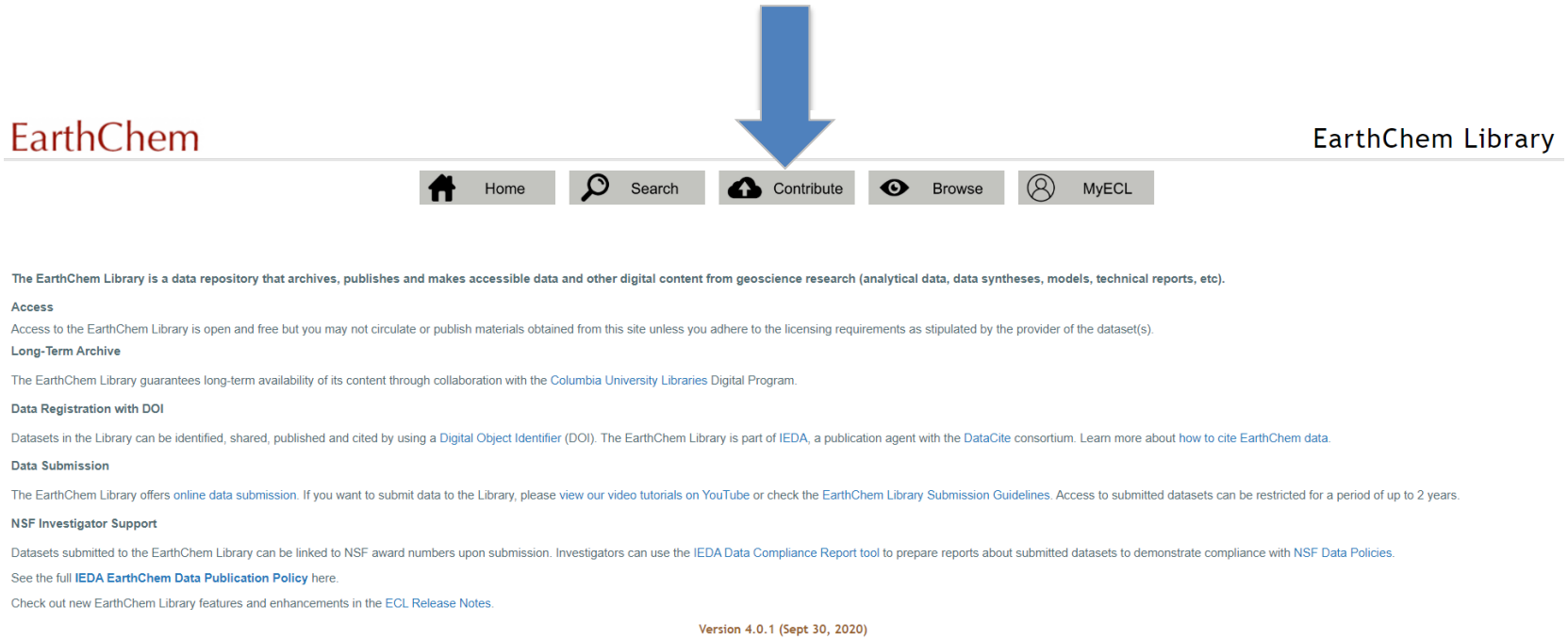
On the search page, you can search by author, keyword, IGSN, data type, release date, as well as location.



Data submission templates

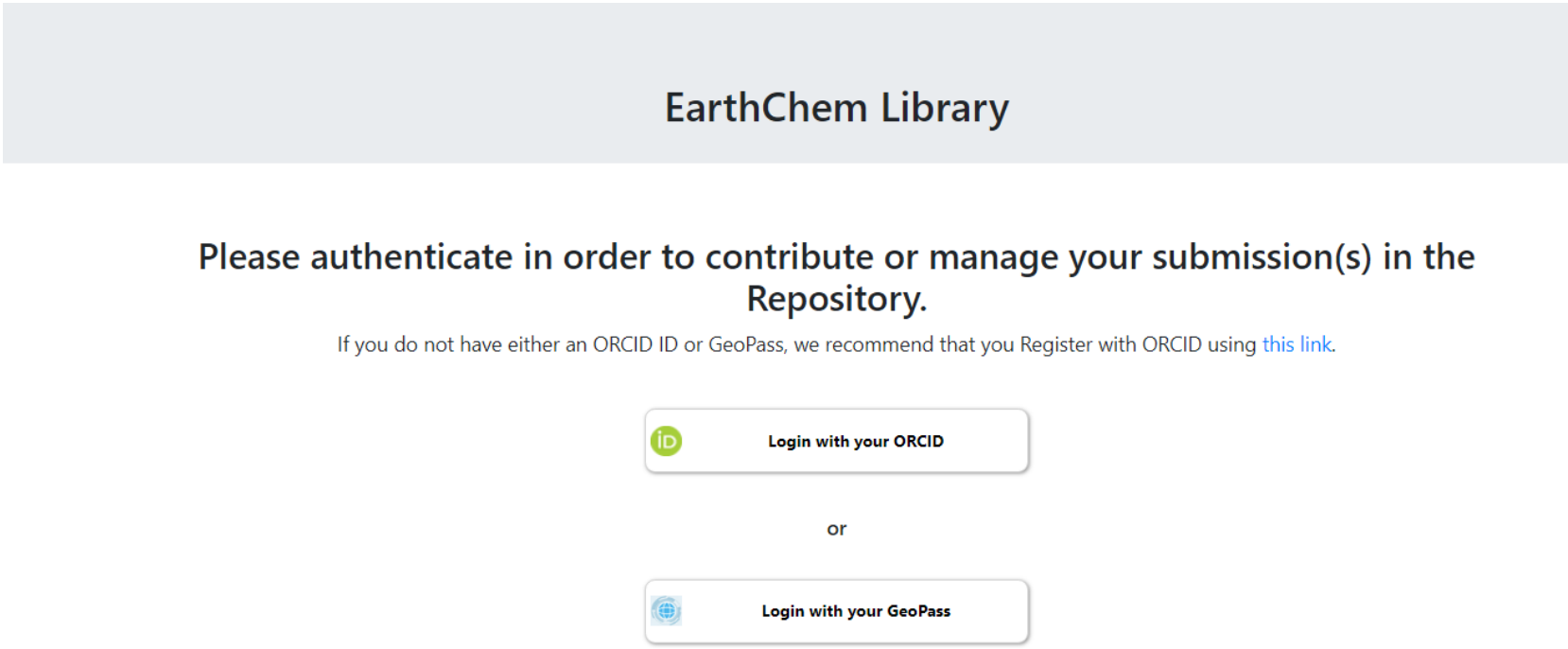
If you would like to submit a dataset to the ECL, we encourage you to use the ECL Data Submission Templates. There are templates for geochemistry data and community templates such as for clumped isotopes and tephra data. Data templates are also available from Geochron for U-Pb, (U-Th)-He, Ar-Ar, and fission track geochronological data. Find templates at https://www.earthchem.org/ecl/templates.

Submit to ECL



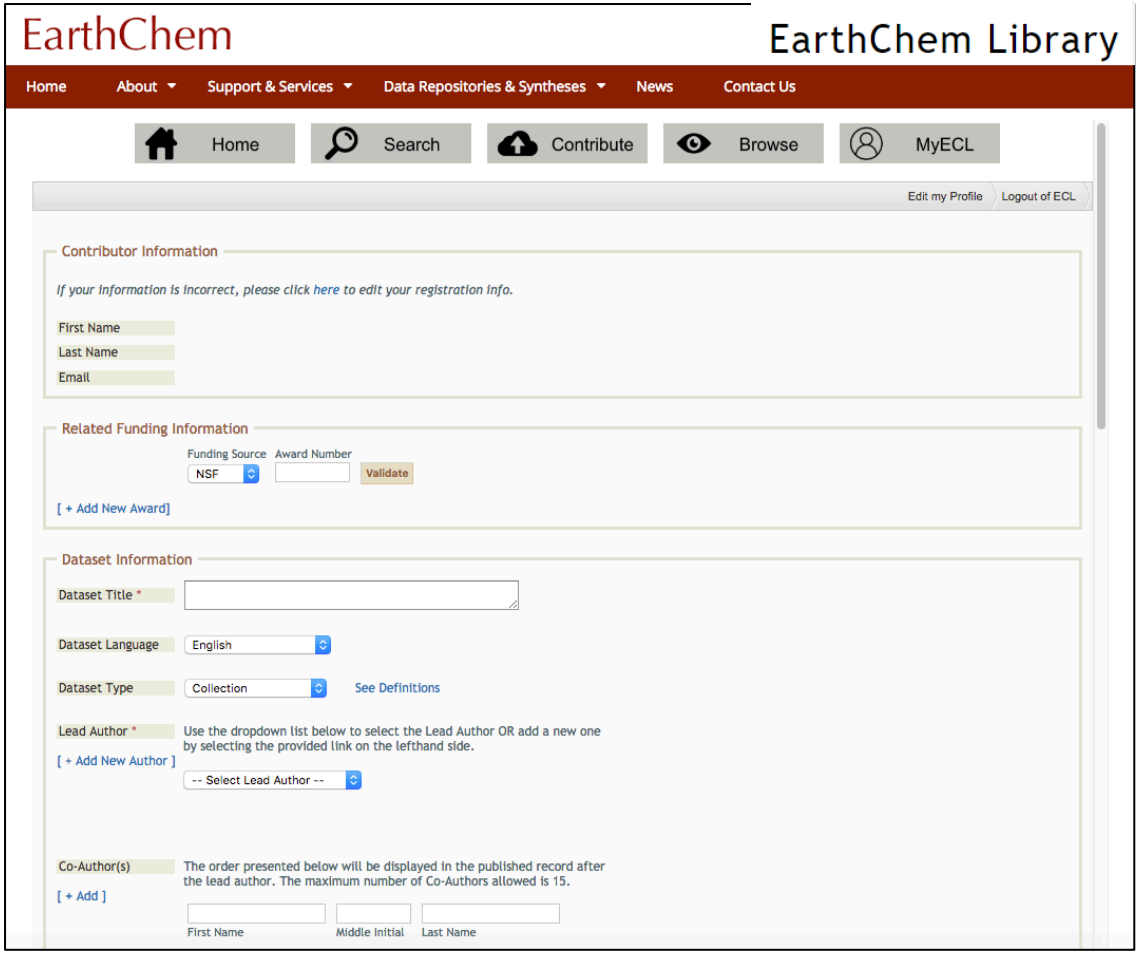
Submitting a dataset to ECL

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



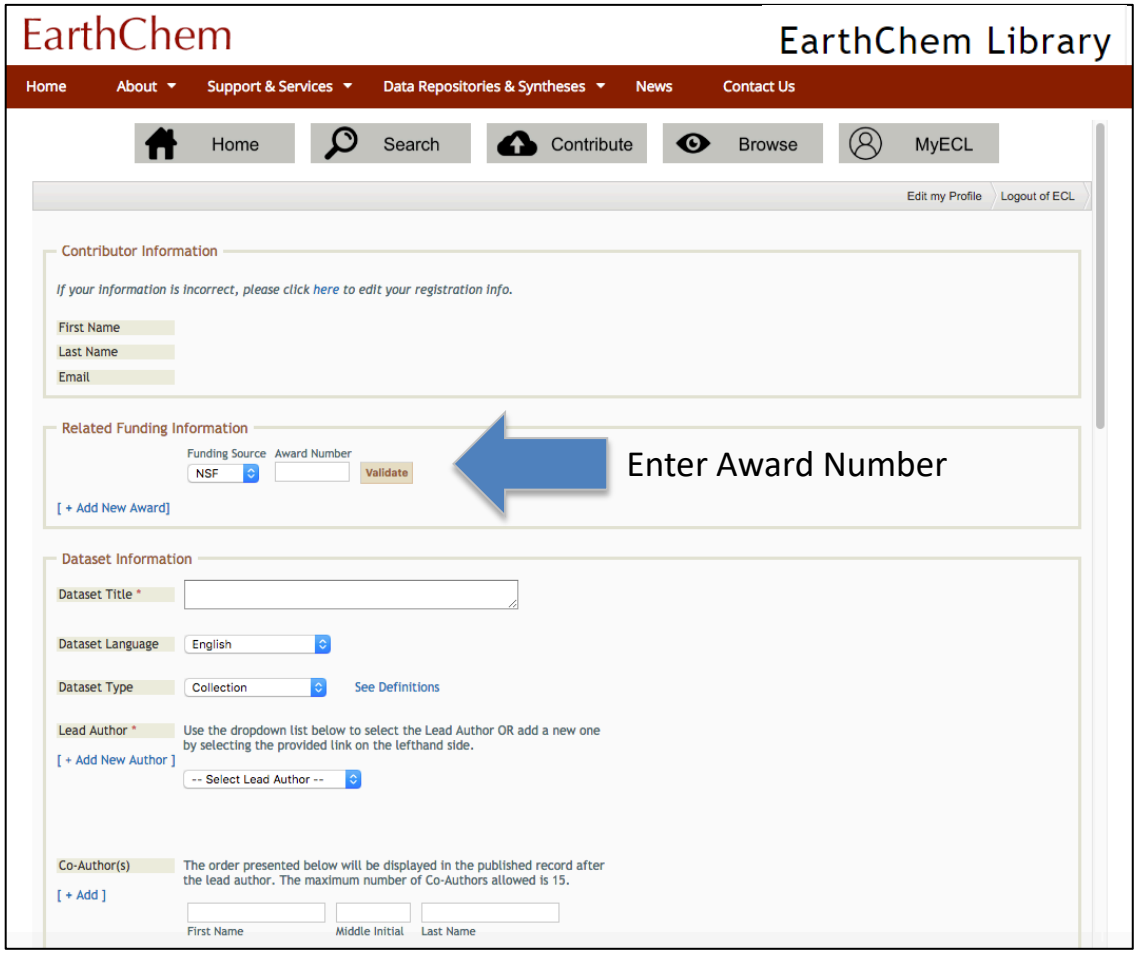
Logging in

Log in with your ORCID ID or by using 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.



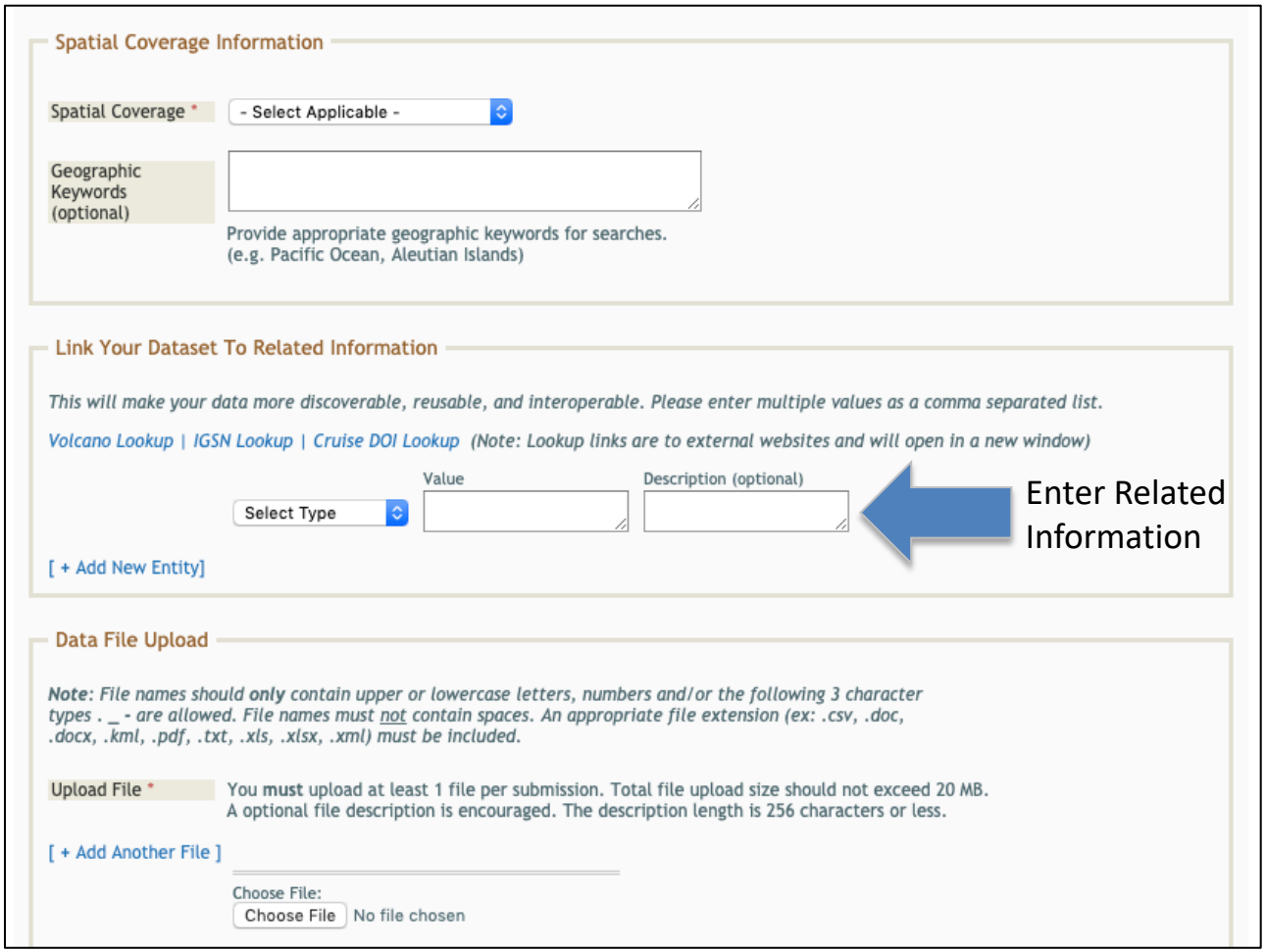
Data submission data entry page

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.



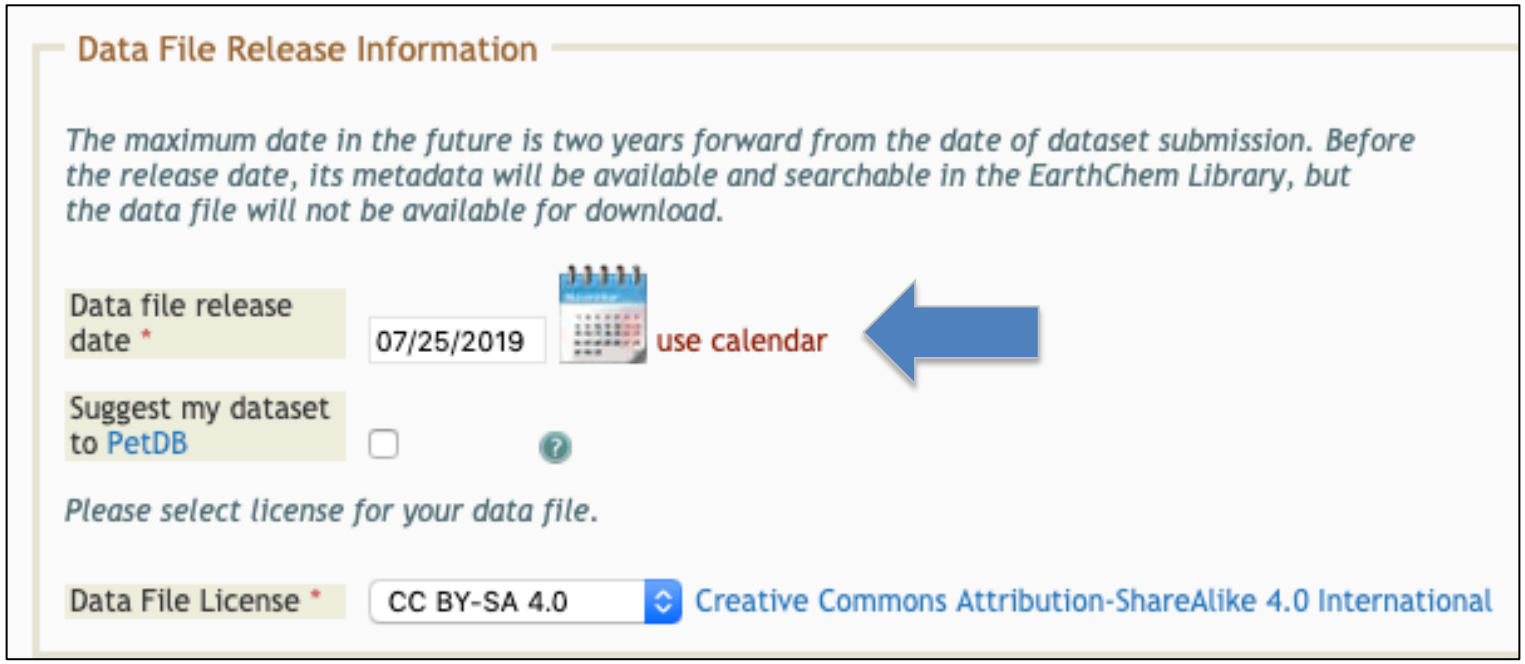
Entering Award Number

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.



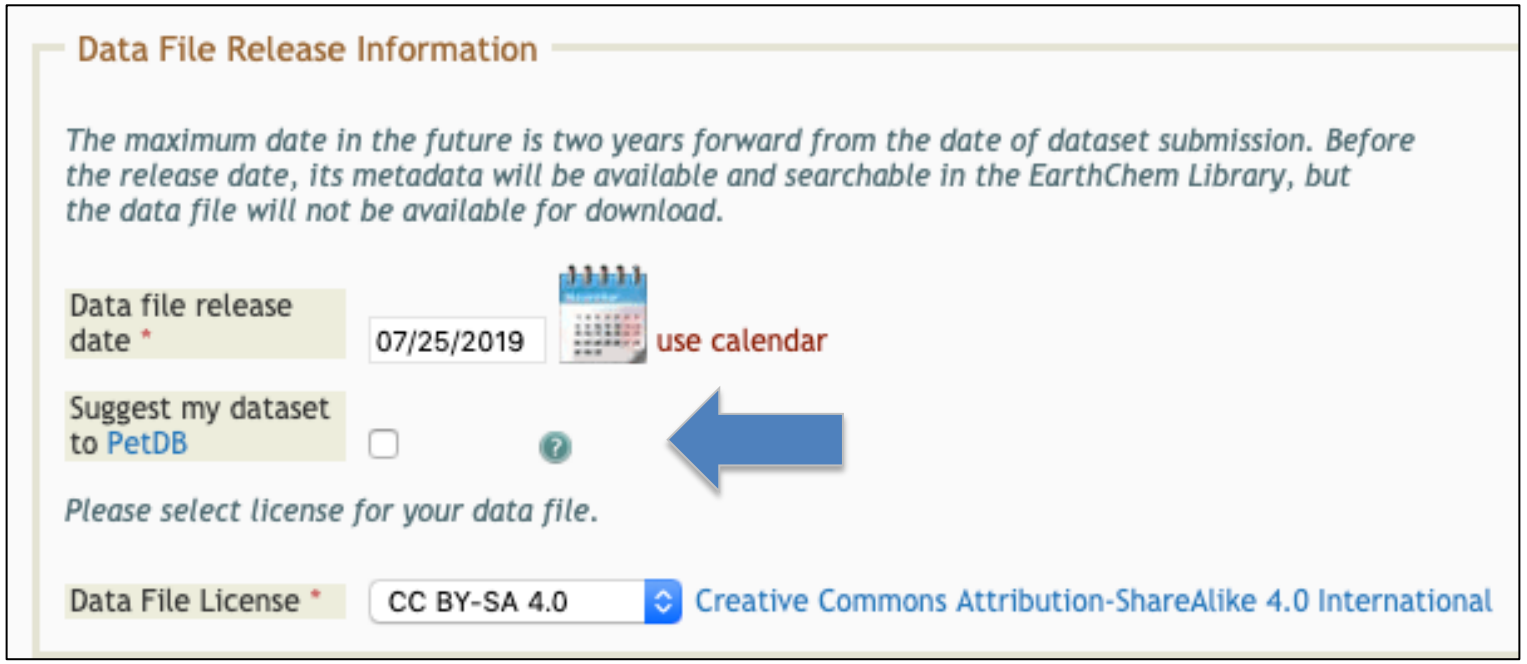
Entering Related Information

When submitting a dataset, you also have the option to associate related identifiers and information with your data. Select a hyperlink to look up: Volcano number in the Smithsonian database; IGSN at SESAR; or Cruise ID at R2R. Once you have located the information in the external site(s), enter it into the text boxes. Multiple entries may be entered as a comma separated list.



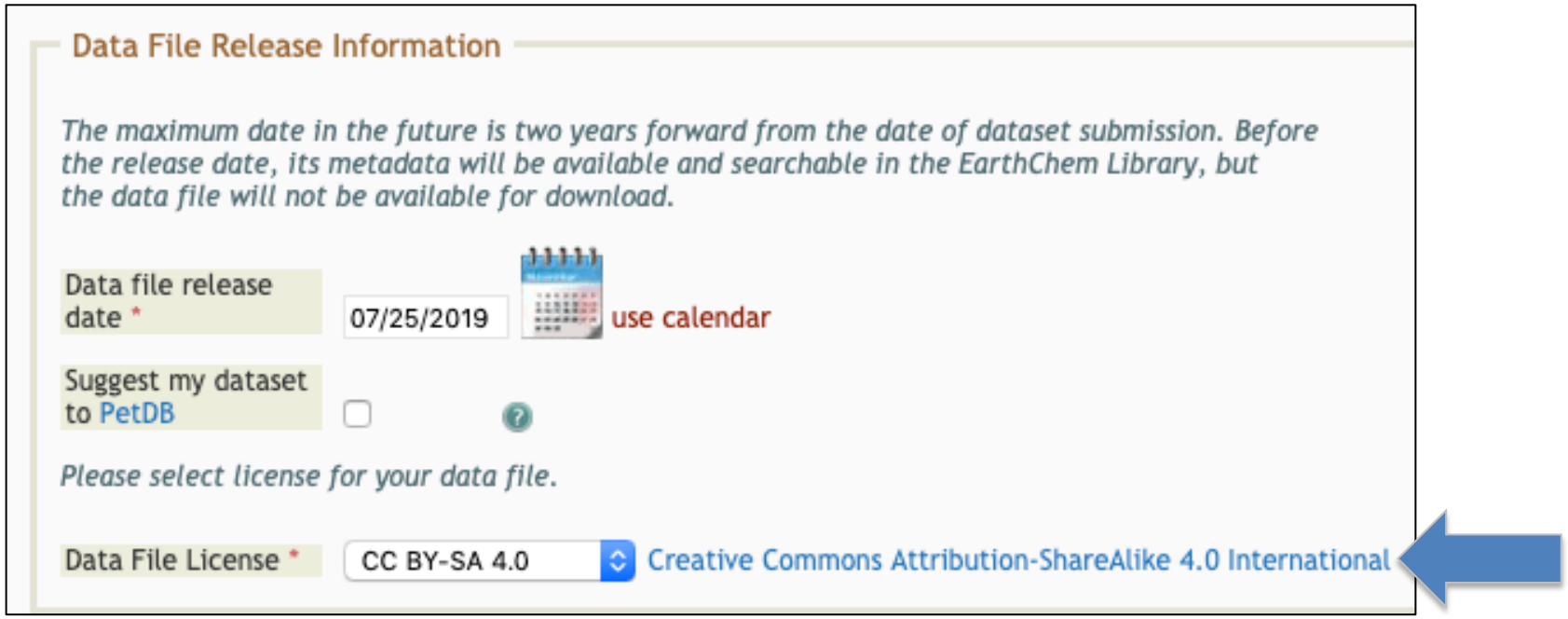
Data file release date

You also have the option to set a release date for your dataset. The maximum date in the future is two years from the date of dataset submission. Before the release date, the dataset metadata will be available and searchable in the EarthChem Library, but the data file will not be available for download.



Suggest your dataset to PetDB

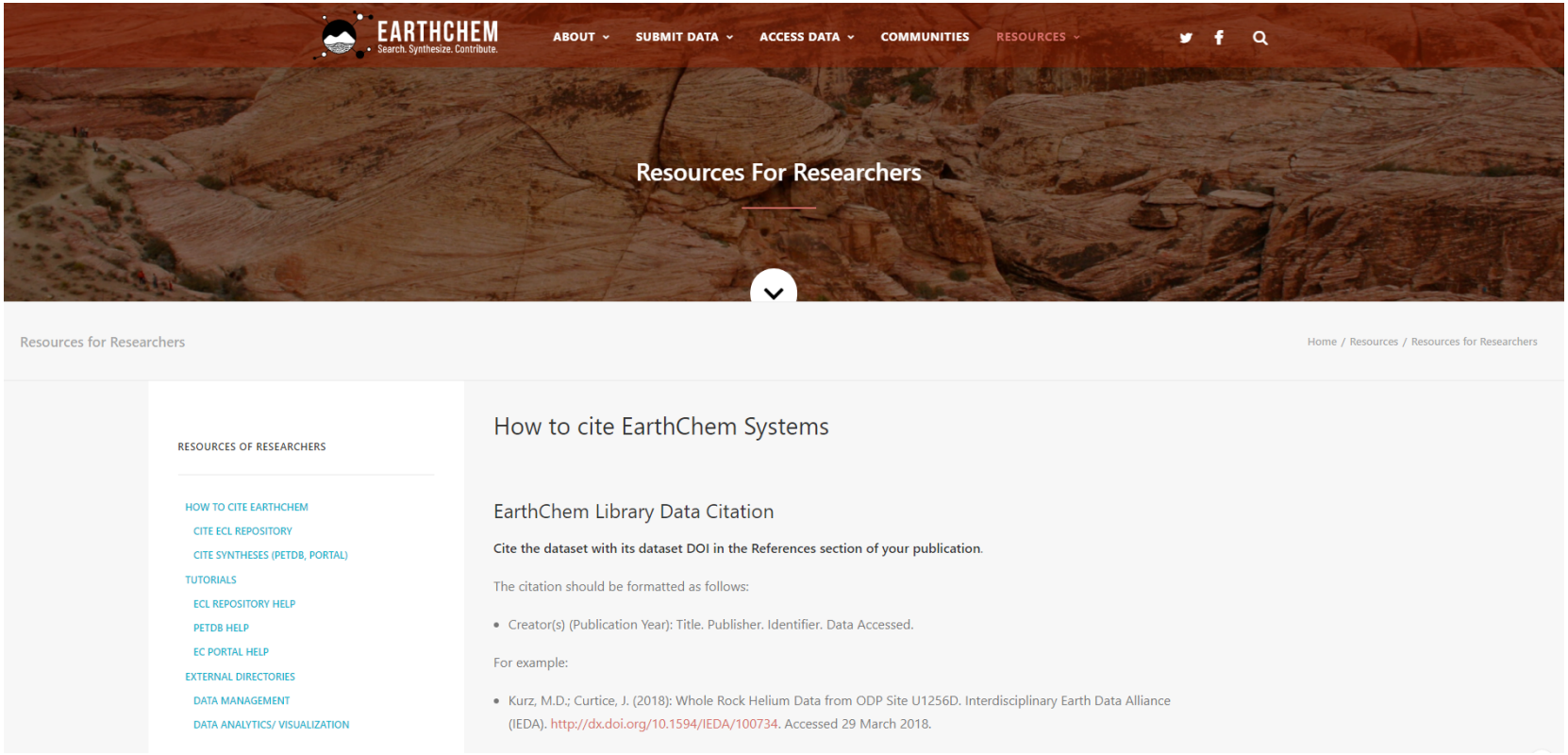
Another option for your dataset is to suggest your dataset for inclusion in the PetDB database. If you select this box a PetDB data curator will be alerted and will decide if your dataset is appropriate for inclusion in PetDB. We will notify you if your dataset is accepted.



Data File Licensing

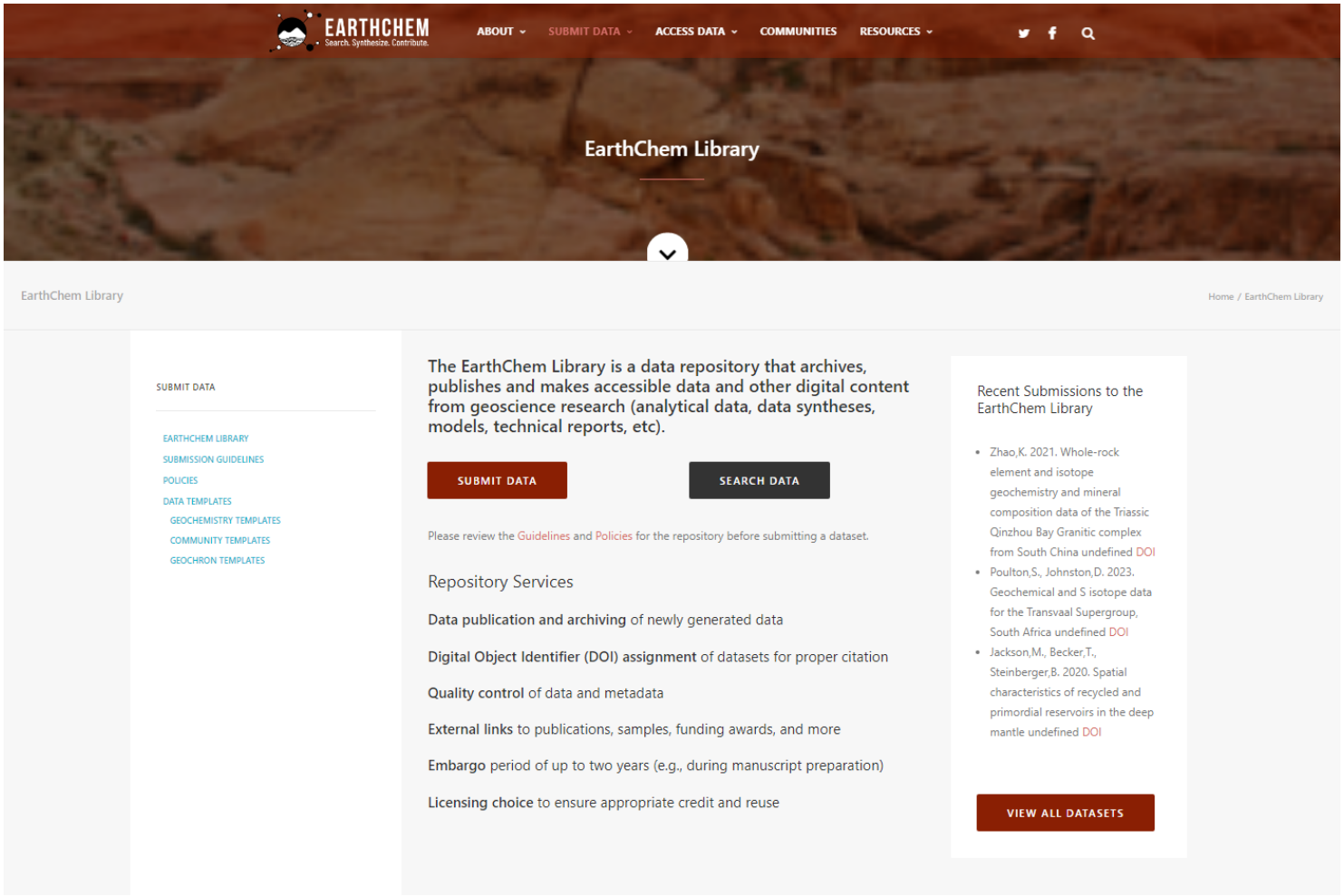
Lastly, you may select a Creative Commons license to associate with your dataset. Currently there are four options:

- Creative Commons Attribution-ShareAlike 4.0 International (default, recommended)
- Creative Commons Attribution-NonCommercial-Share Alike 3.0 United States
- Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International
- Creative Commons No Rights Reserved



ECL Tutorials

Finally, visit the Help & Tutorials page at https://earthchem.org/resources/res/ 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.