**CIDER Database Tutorial Resources**

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The volcanological community pulls together numerous data types from myriad sources. Many of these data can be found in online databases. Below are some of these resources – this list is by no means comprehensive.

**Volcanoes and their Eruptions**

Global Volcanism Program – VOTW 4.8.0 [www.volcano.si.edu](http://www.volcano.si.edu)

 Volcano names, locations, eruption histories, VEIs, narrative reports, images, discovery of deformation and degassing data, links to seismic data/information, links to remote sensing data.

Large Magnitude Volcanic Eruptions – LaMEVE -- <http://www.bgs.ac.uk/vogripa/view/controller.cfc?method=lameve>

 Data describing eruptions of VEI≥4 (>0.1 km3). Data include volume, mass eruption rate, magnitude.

**Geochemical Data**

EarthChem – [www.earthchem.og](http://www.earthchem.og)

 Geochemical analyses. Majors, traces, isotopes – if an analysis has been published, it is probably in EarthChem. Note that data are only associated with a volcano, not with a particular eruption.

DECADE -- <https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdev-decade.iedadata.org&amp;data=02%7C01%7Ccottrelle%40si.edu%7C6ed9358a1edf4abb9fef08d6e93ff1f7%7C989b5e2a14e44efe93b78cdd5fc5d11c%7C1%7C0%7C636952858199222566&amp;sdata=PKlJKPTe5qoyC15cibs3k%2FLQwHoW%2FScaCl7TGzbsNVI%3D&amp;reserved=0>

 Integrated portal with degassing and other geochemical data (EarthChem) as well as GVP eruption history.

**Satellite Degassing**

NASA SO2 monitoring home page – <https://so2.gsfc.nasa.gov/>

SO2 and other satellite monitoring products.

**Seismic Data**

IRIS -- <https://ds.iris.edu/gmap/>

 Seismic data with global coverage.

**Geodetic Data**

UNAVCO -- <https://www.unavco.org/data/data.html>

 Geodetic data from a variety of instrument types (GPS, SAR, LiDAR, strain).