

Data Sources

Keywords/actions: search, browse, information, catalogue

For whom: User who wants to know which external data sources are available via DOME4.0

In brief: There is a list of all services currently registered in DOME4.



Platform Name: Chemeo Request Access
Platform Name: CompTox Request Access
Platform Name: Crystallography Request Access
Platform Name: IDMT Request Access
Platform Name: MARKET4.0 Request Access
Platform Name: Materials Project Request Access
Platform Name: PubChem Request Access
Platform Name: PubChemGHS Request Access
Platform Name: MARKET4.0 public catalogue Request Access
Platform Name: MARKET4.0 IDS data of metal processing equipment Request Access
Platform Name: CMCL Emission simulation data Request Access
Platform Name: CMCL ship database Request Access
Platform Name: Laci2 Request Access
Platform Name: AninC Request Access

Figure: List of data sources currently available through DOME 4.0.

Details on the source

Clicking on the source will open a landing page with the details relevant to that source

- Title.
- Brier description.
- Free Platform: If the platform does not require you to pay for anything.
- Tag for the domain.
- Tag for what it offers.
- Official website the service sourcing the data.
- The DOME 4.0 IRI of the service.

Chemeo

Chemeo is an open, high quality chemical properties database.

Free Platform

true

Domain

NATURAL_SCIENCES

Offers

MATERIAL_PROPERTY

Home Page

<https://www.chemeo.com/>

Query URL

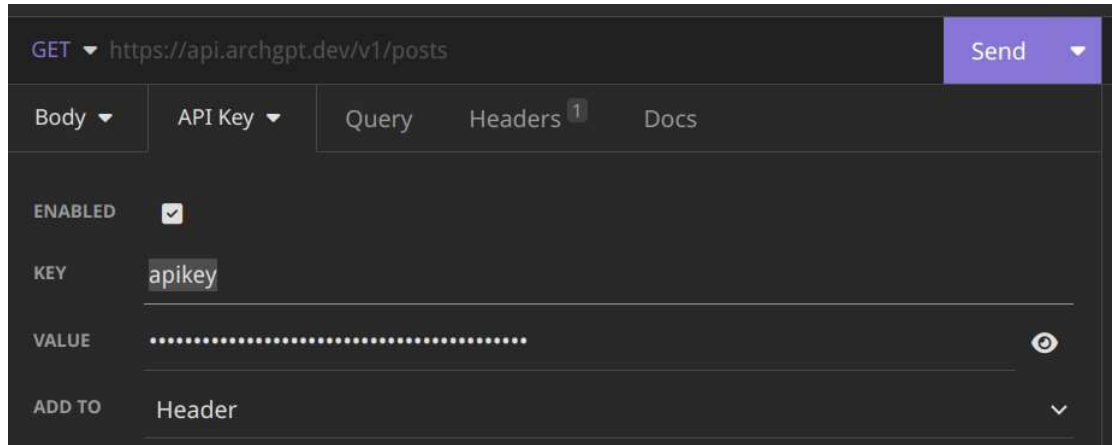
<https://nextgen.dome40.io/api/discover/results/CHEMEO>

More details:

The access to the API requires the HTTP header to contain the DOME 4.0 authentication as indicated by clicking the information icon.

1. From the My profile > Access keys tab
2. Generate the API key (note the long alphanumeric string as this will identify you)

3. To use with (e.g.) HTTP API tools like *Postman*, *Insomnium*, *Insomnia*, etc use the API key as part of the header.



4. Programmatically: Adding the **apikey** entry to the “associative array/dictionary” header when using libraries like request, aiohttp (both Python) or on any other libraries/languages.
5. “search_string” must be part of the URL for a GET CALL indicating the string or literal to be searched.

Acronyms:

API: Application Programming Interface