

# pyCMR

Posting an email from Rahul Ramachandran that may be of interest to the CMR developer community... thanks to [Rahul Ramachandran](#) for sharing!

Dear DAAC Managers:

Manil and a grad student have put together an initial version of Python client library (pyCMR). pyCMR abstracts [CMR search API](#) calls to a simple set of python functions that can be incorporated in client applications. The search response are stored in python dictionary for easy manipulation on the client side. pyCMR source is available at ECC repository:

<https://git.earthdata.nasa.gov/projects/HDS/repos/cmr/>

We would like for the other DAACs to contribute specific functionalities and build on the current version of the library. Let us know so that we can add contributors to the repository.

Currently, three main functions are provided:

Search Collection - ipython notebook demo is found [here](#) and [here](#) .

Search Granule - ipython notebook demo is found [here](#) and [here](#) .

Download Granule - ipython notebook demo is found [here](#) .

Command line usage can be found [here](#) .

All CMR search parameters allowed in [CMR search API](#) can be passed using the same parameter=value in pyCMR functions. Currently, specific function supported include extracting OPeNDAP urls. Note: We are using the umm-json response for collection for most complete UMM information.

Please share with your developers/engineers and direct library specific questions to Manil (cc'ed on the email).

Best,

-Rahul

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Dr. Rahul Ramachandran  
Deputy Editor, Earth Science Informatics Journal  
Manager, Global Hydrology Resource Center  
NASA's Distributed Active Archive Center  
Earth Science Office (ZP11)  
NASA / Marshall Space Flight Center  
Huntsville, Alabama 35812, USA