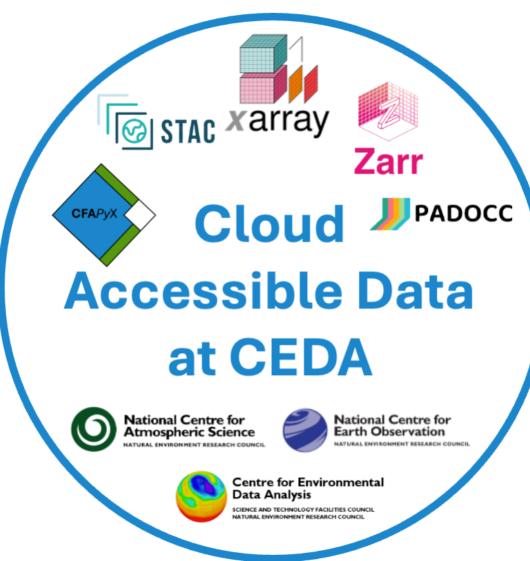


"Pipeline to Aggregate Data for Optimised Cloud Capabilities"

- Scalable pipeline for conversion to Kerchunk/Zarr
- Product Validation
- Attribute/Metadat a correction.



CEDA-DataPoint

"Access point to CEDA STAC Collections and Cloud products"

- STAC API uses pystacclient.
- Lazily loaded metadata/references
- Abstracted access to datasets (configuration handled by DataPoint)





```
infile = 'padocc/tests/data/myfile.csv'
# Input CSV has Identifier, Path/To/Datasets, {updates}, {removals}

groupID = 'padocc-test-suite'
workdir = '/home/username/padocc-workdir'

mygroup = GroupOperation(
    groupID,
    workdir=workdir,
    label='test_group'
)

mygroup.init_from_file(infile)

mygroup.run('compute', mode='kerchunk')
```

```
Initialise Scan Compute Validate Catalog
```

- Supports groups of datasets (N files in each dataset)
- Perform operations on all members of a group (each member has a project code [proj_code])
- Configure parallel deployment to SLURM (batch job manager)
- Python interface or CLI entrypoints available.
- 'Group' object can access any files generated during processing (logs/cache files/scan results)

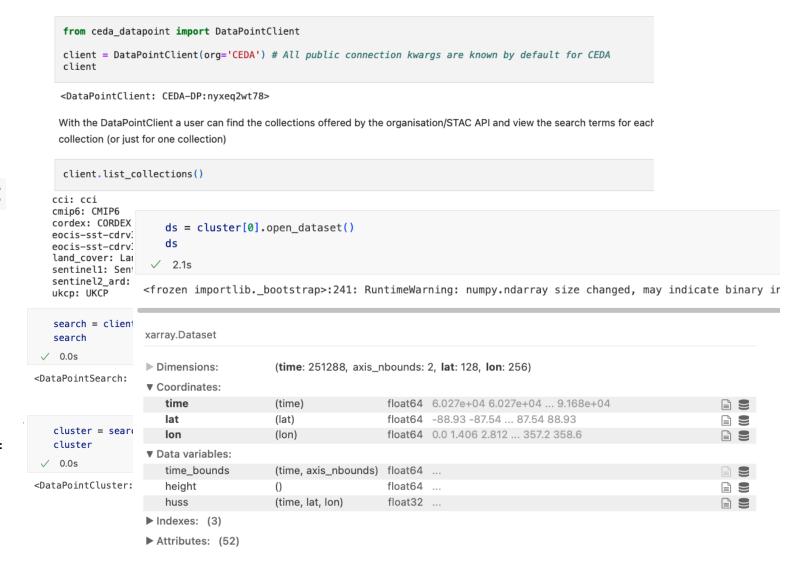


CEDA-DataPoint

 Python package installable with pip (currently at v0.2.0)

pip install ceda-datapoint

- DataPointClient configured for read-only access to CEDA STAC Collections.
- 'search' uses same syntax as pystac for running queries.
- Options to group `cloud assets` from a search into a `cluster` of datasets.
- Able to open with simple
 `open_dataset` method –
 returns an Xarray Dataset.





Documentation Links



- Github: https://github.com/cedadev/padocc (*UNDER CONSTRUCTION watch for v1.3 release*)
- Sphinx Docs: https://cedadev.github.io/padocc/

CEDA-DataPoint

- Github: https://github.com/cedadev/DataPoint (v0.2.0)
- Sphinx Docs: https://cedadev.github.io/DataPoint/

