Zarr: optimized cloud storage

zarr ZipStore vs DirectoryStore

1. in DirectoryStore, 1 chunk = 1 file. For 3d monthly variable (60 yr run), this amounts to a lot. ZipStore = 1 file!!!

```
directory_store/./thetao/.zmetadata
(base) PPAN: Raphael.Dussin@an104  perf_tests: find directory_store/. -type f | wc -l
25697
(base) PPAN: Raphael.Dussin@an104  perf_tests: find zipstore/. -type f | wc -l
1
```

2. Similar performance using dask cluster:

```
[4]: rootdir = '/work/Raphael.Dussin/zarr_stores/perf_tests/'

     zds = xr.open_zarr(f'{rootdir}/zipstore/thetao.zip', consolidated=True)
     dds = xr.open_zarr(f'{rootdir}/directory_store/thetao', consolidated=True)
```

```
[44]: zm = zds['thetao'].mean(dim='time')

[45]: %%time
      zm.load()

CPU times: user 3min 31s, sys: 10.1 s, total: 3min 41s
Wall time: 11min 51s
```

```
[46]: dm = dds['thetao'].mean(dim='time')

[47]: %%time
      dm.load()

CPU times: user 3min 43s, sys: 11.2 s, total: 3min 54s
Wall time: 13min 45s
```

3. ZipStore not as commonly used as DirectoryStore hence some bugs found along the way (and fixed)

Useful doc for MOM6

https://mom6-analysiscookbook.rtfd.io