

ESDM as NetCDF Drop-In is Easy to Use

- Create a ESDM configuration with storage locations
- Run esdm-mkfs to prepare storage systems (e.g., mkdir on POSIX)
- Change file names when running NetCDF applications
 - ▶ The namespace of ESDM is separated from the file system (hierarchical too)
 - ▶ NetCDF can use ESDM by just utilizing the **esdm://** prefix
- Examples:
 - ▶ Import/Inspection/Export of data using NetCDF


```
$ nccopy test_echam_spectral.nc esdm://user/test_echam_spectral
$ ncdump -h esdm://user/test_echam_spectral
$ nccopy -4 esdm://user/test_echam_spectral out.nc
```
 - ▶ Usage in XIOS, change iodef. Example:


```
<file id="output" name="esdm://output" enabled=".TRUE.">
prec=8 in axis_definition, domain_definition and field_definition
```