

## **Wikiprint Book**

**Title: 4/6/2015 : compiler change on Ada-IDRIS**

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Important news :

## 4/6/2015 : compiler change on Ada-IDRIS

Dear all,

Because of bad results with the compilation environment intel/2013.1, we still advise everyone to go back to the previous

We will put this environment back in the default IPSL environment on ada.

More precisely, the file `~rpsl035/.bash_login` will be modified to point towards the validated environment including intel/

If you followed the recommendations ([https://forge.ipsl.jussieu.fr/igcmg\\_doc/wiki/DocBenvAidris](https://forge.ipsl.jussieu.fr/igcmg_doc/wiki/DocBenvAidris)), you won't have anything

libIGCM tag v2.6 will also point towards this file. You have to update to this libIGCM tag. See [https://forge.ipsl.jussieu.fr/igcmg\\_doc/wiki/DocBenvAidris](https://forge.ipsl.jussieu.fr/igcmg_doc/wiki/DocBenvAidris)

Be aware that, even with the environment intel/2013.0, there are still a few errors in some variables with the IPSLCM5A mo

Have good computations on ada! Don't forget to check your results!

Sonia Labetoulle on behalf of the Platform group from IPSL Climate Modeling Center

## 4/6/2015 : Change in compilation and runtime environment on Curie-TGCC

In order to fix problems related to NetCDF writing/reading encountered on scratchdir filesystem on Curie machine, we are go

Except for IPSLCM5A model (see below), the change of NetCDF version (switch from 4.2 to 4.3.3.1) has been validated and th

We strongly advice you to switch with this new compilation and running environment which will be available from June, 9th,

### 1) Environment

The `~p86ipsl/.bashrc` environment file we recommend you to use will be adapted to use the new environment.

1.1) If you already use this file, as suggested in the documentation ([http://forge.ipsl.jussieu.fr/igcmg\\_doc/wiki/DocBenvB](http://forge.ipsl.jussieu.fr/igcmg_doc/wiki/DocBenvB)

1.2) If you use your own configuration file (`.bashrc_curie`, `.bashrc`,...), you have to modify it (by adding the load of new

### 2) Compilation and running

From June, 9th, 2pm, models and configurations downloaded thanks to the "model" command of `modipsl` will be adapted to the n

For models and configurations extracted before this date, you will have to :

- compile (or compile again after a `gmake clean`) using the new environment (see 1)).
- update your libIGCM version in order to use new tag `libIGCM_v2.6`. Here is information about the update of libIGCM versio

Particular case of v6 configurations using XIOS output library : to compile (or compile again) with the new environment, y

- `modipsl/modeles/XIOS/arch.env` as follows (comment lines) :

```
#module unload netcdf
```

```
#module unload hdf5
```

```
#module load hdf5/1.8.9_parallel
```

```
#module load netcdf/4.2_hdf5_parallel
```

- `modipsl/modeles/XIOS/arch.path` as follows :

```
HDF5_INCDIR=""
```

```
HDF5_LIBDIR=""
```

```
HDF5_LIB=""
```

### 3) IPSLCM5A : particular case

IPSLCM5A model performs results which are different from NetCDF 4.2 to 4.3.3.2. If you want to keep exactly the same result

If you have any simulations which are running, you have also the possibility to not change anything and to keep the previo

A mail will be sent on June, 9th afternoon once all of these changes will be effective.

Arnaud

## 4/5/2015 : Switchover dods -> esgf

Dear all,

As the dods software is no longer being maintained by its editor unidata, the IPSL dods servers will be shut down soon. The data that was reachable this way is now reachable from the thredds servers of the ESGF nodes.

### 1/ List of switchovers:

#### IDRIS:

http://dods.idris.fr ->  
 http://prodn.idris.fr/thredds/catalog/ipsl\_public/catalog.html  
 http://dods.idris.fr:81 ->  
 http://prodn.idris.fr/thredds/catalog/ipsl\_private/catalog.html

#### TGCC:

http://dods.extra.cea.fr/work ->  
 http://esgf.extra.cea.fr/thredds/catalog/work/catalog.html  
 http://dods-prive.extra.cea.fr/work ->  
 http://esgf.extra.cea.fr/thredds/catalog/work\_private/catalog.html  
 http://dods.extra.cea.fr/store ->  
 http://esgf.extra.cea.fr/thredds/catalog/store/catalog.html  
 http://dods-prive.extra.cea.fr/store ->  
 http://esgf.extra.cea.fr/thredds/catalog/store\_private/catalog.html

#### CINES:

Commissioning of http://esgf.cines.fr/thredds to be done later

### 2/ List of thredds services

Thredds allows to browse trees via some catalogs as well as to access files via several protocols whose mapping is as follows:

HTTP -> fileServer  
 OpenDAP -> dodsC  
 NetcdfSubset -> ncss  
 WCS -> wcs  
 WMS -> wms  
 NCML -> ncml  
 UDDC -> uddc  
 ISO -> iso

### 3/ New URLs:

From now on, access to the files should be done using URLs of the form:

http://{esgf\_node\_fqdn}/thredds/{service}/{path}

Example, replace these URLs:

#### HTTP:

http://dods.idris.fr/rces452/2L36/Atm/TS/2L36\_1m\_18600101\_20001230\_BILS.nc

#### OpenDAP

http://dods.idris.fr/cgi-bin/nph-dods/rces452/2L36/Atm/TS/2L36\_1m\_18600101\_20001230\_BILS.nc

with these ones:

HTTP:

[https://prodn.idris.fr/thredds/fileServer/ips1\\_public/rces452/2L36/Atm/TS/2L36\\_1m\\_18600101\\_20001230\\_BILS.nc](https://prodn.idris.fr/thredds/fileServer/ips1_public/rces452/2L36/Atm/TS/2L36_1m_18600101_20001230_BILS.nc)

OpenDAP:

[https://prodn.idris.fr/thredds/dodsC/ips1\\_public/rces452/2L36/Atm/TS/2L36\\_1m\\_18600101\\_20001230\\_BILS.nc](https://prodn.idris.fr/thredds/dodsC/ips1_public/rces452/2L36/Atm/TS/2L36_1m_18600101_20001230_BILS.nc)

#### 4/ Access control:

Files put online on 'public' spaces are publicly available.

Files put online on 'private' spaces are available to IPSL IP addresses as well as OpenIDs belonging to the IPSL group.

#### 5/ Term:

Old dods servers at each site will be de decommissioned on June 15th

We remain at your disposal for any further information about the preparation of this switchover.

Thank you

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Nicolas Carenton