

## ICOLMDZOR\_v7

### Table of Content

ICOLMDZOR_v7	1
<b>1. Description</b>	<b>2</b>
1.1. Computing centers	2
1.2. Compilation	2
<b>2. Quick installation guide</b>	<b>2</b>

ICOLMDZOR\_v7\_work is a configuration under construction. Contact one of the persons in charge before first use.

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## 1. Description

ICOLMDZOR is a configuration coupling DYNAMICO, LMDZ physics and ORCHIDEE.

### 1.1. Computing centers

ICOLMDZOR\_v7\_work is currently only maintained at irene/TGCC.

### 1.2. Compilation

Compilation is done using a script compilation\_icolmdzor.sh available in modipsl/config/ICOLMDZOR. The script detects on which computing center the installation is done and sources modules needed for compilation. The same modules will be sourced during run time by libIGCM. The module file is set in the folder modipsl/config/ICOLMDZOR/ARCH/.

## 2. Quick installation guide

```
# Install modipsl
svn co http://forge.ipsl.jussieu.fr/igcmg/svn/modipsl/trunk modipsl
cd modipsl/util

# Download and compile configuration ICOLMDZOR_v7_work
./model ICOLMDZOR_v7_work
cd ../config/LMDZOR_v6
./compile_icolmdzor.sh [-debug, ...]

# Experiment setup
cp EXPERIMENT/ICOLMDZOR/clim_noleap/config.card .      # => modify at least JobName=MyJobname, DateBegin, DateEnd in config
../../libIGCM/ins_job
cd MyJobname

# Modify default setup:
# for example change atmospheric resolution nbp, output level, parameter setup or input files

ccc_msub Job_MyJobname
```