The REPROBUS model

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REPROBUS is a stratospheric model developed at LATMOS. It is a new component of the IPSL configurations. Please contact Marion Marchand and Slimane Bekki for further information. The LMDZREPR and IPSLCM5CHS configurations exist with REPROBUS. Be careful, these configurations are being developed.

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1. Setup

The access to the Reprobus model is restricted with svn+ssh. First, you must contact M. Marchand (at LATMOS) to be able to access the model. Then open mod.def and replace XXXLOGIN by your personal login in the line corresponding to the reprobus project information:

```
#-S- 16 svn svn+ssh://XXLOGIN@forge.ipsl.jussieu.fr/projets/lmdz-reprobus/svn
```

2. Compiling

REPROBUS is compiled with LMDZ. The makelmdz_fcm script in LMDZ must include the variable **-ext_src *path_to_REPROBUS*** to specify the directory of REPROBUS fortran sources that must be compiled and included in the final executable.

3. Diagnostics

The REPROBUS diagnostics are performed in LMDZ.