

4.5 The PRISM CVS Repository

Before a model can be imported to the CVS repository it must meet the criteria listed below.

Coupled model	Atmosphere	Chem.	Land-Surface	Ocean	Sea-Ice	BioGeo Chemistry	Notes	Grids
TOYCLIM	TOYATM	TOY-CHE		TOYOCE				standard
MPI-AO (ECHO)	ECHAM5			MPI-OM	part of ocean code		Model formerly known as ECHO	Table
MPI-AOB	ECHAM5			MPI-OM	part of ocean code	HAMOCC		Table
MPI-OM				MPI-OM	part of ocean code		no use of PSMILe/OASIS3	Table
MPI-OB				MPI-OM	part of ocean code	HAMOCC	no use of PSMILe/OASIS3	Table
OPATOY	TOY4OPA			OPA	LIM			standard - orca4
IPSL_CM4	LMDz		ORCHIDEE	OPA	LIM			Table

Figure 4.6: Lists of coupled models available from the PRISM CVS model repository.

- The adaptation to the PRISM coupling software PSMILe and OASIS3 is achieved.
- The adaptation to PSMILe and OASIS3 uses the latest release in the PRISM repository.
- All components of the coupled model are adapted to the SCE for at least one SGI, Fujitsu, and NEC platform.
- This adaptation uses the latest release of of the SCE in the PRISM repository.
- If a component model already included in the repository is modified for a new coupled constellation, the adaptation must be based on the latest release of the model contained in the repository.
- A component model which is modified for a new constellation must still be able to run in all old constellations already assembled into the PRISM repository.
- The coupled model must be adapted to the SRE for at least one SGI, Fujitsu, and NEC platform.
- The coupled model must be able to run for a meaningful period with successful restarts and reasonable results on each platform.

Table 4.6 (see also URL⁶) lists the coupled models imported into the CVS repository.

⁶<http://prism.dkrz.de/Workpackages/WP3i/Assembled/cvs-bedano.html>