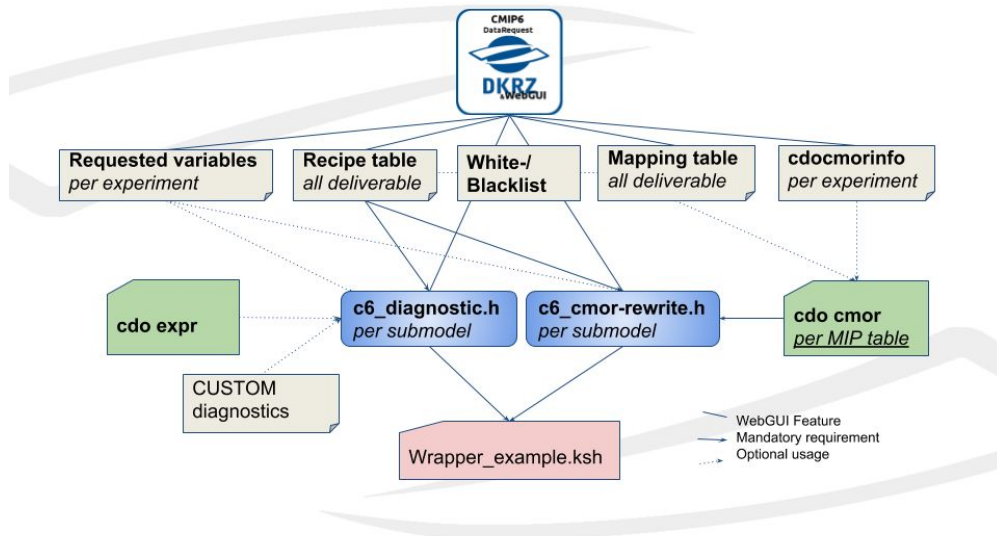## Solution:

Sub-model	Frequency	Aggregation	CMOR name	Name/Code in Model	Diagnostic (formula)	Unique filename pattern of the input files	Model output units	cdo cmor Features
Ocean	Monthly	Mean	thetao			ocean_depths_mean_mon*	K	
Ocean	Fixed	None	deptho			ocean_fx*	m	
Ocean	Monthly	Mean	siv	sivsic, sicv	sivsic/sicv	ocean*mon*sivsic*, ocean*mon*sicv*	"m s-1"	
Atmos	Monthly	Mean	tas			*nolev_mean_mon*	K	height2m=1.5
Atmos	Monthly	Mean	cli			*hyb_mean_mon*	%	z_axis=plev
Atmos	Monthly	Mean	pr	prls,prc	prls+prc	*nolev_mean_mon*	"kg m-2 s-1"	
Atmos	Monthly	Mean	toz	-	CUSTOM	-	-	
Atmos	6hourly	Instantaneous	va			*plev_pt_6hr*	"m s-1"	
Atmos	Climatology	Climatology	co2massClim	co2m		*nolev_co2m*	kg	ci=1850,1851
Land	Monthly	Mean	landCoverFrac	*see all x tiles in input file*	*All tiles separated with ";"*	*tiles_mean_mon*	%	ca=vegtype
Land	Monthly	Mean	ts	67		*sfc_mean_mon*	K	
Land	Monthly	Mean	c3PftFrac	var12, C3C4_crop_mask	vertsum(sellevidxrange(var12,1,7))+sellevel(var12,9)+sellevidx(var12,11)*(1-C3C4_crop_mask)	*coverfrac_mean_mon_*, land_c3c4_cropmask.nc	1	

Configuration Files:

cdo cmor config table	/work/bm0021/workshopcmip6pp/scripts/.cdocmorinfo
toz custom diagnostic script fragment	/work/bm0021/workshopcmip6pp/scripts/incl_mod_atmosphere/c6_diag_AERmon_toz_atmosphere.h /work/bm0021/workshopcmip6pp/scripts/incl_mod_atmosphere/calc_toz.ncl
dreq requested vars configuration	/work/bm0021/workshopcmip6pp/scripts/conf/CMIP6-Workshop_requested_vars_piControl.conf
wrapper script	/work/bm0021/workshopcmip6pp/scripts/Wrapper_script.ksh
mapping tables / MIP tables	see "Reference" model entries in the VarMapping WebGUI or else find them in: /work/bm0021/workshopcmip6pp/scripts/tables/
script fragments	/work/bm0021/workshopcmip6pp/scripts/


```
Changes to Requested_vars_piControl.conf:

################################################
EXP=piControl
################################################

DREQSETTINGS
…
…

USERSETTINGS
Amon : co2massClim= slice: 1850010100-1851123124
```