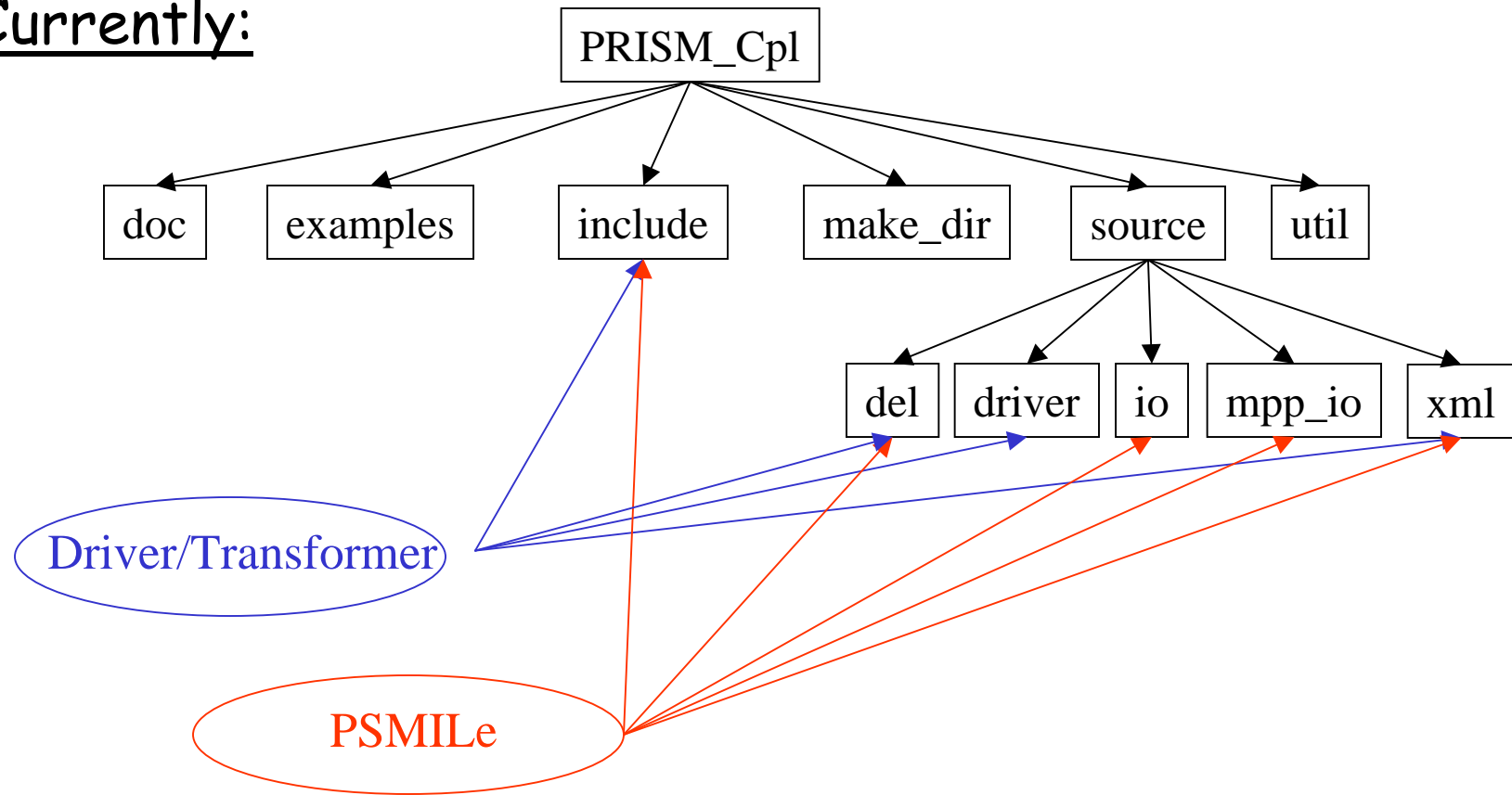


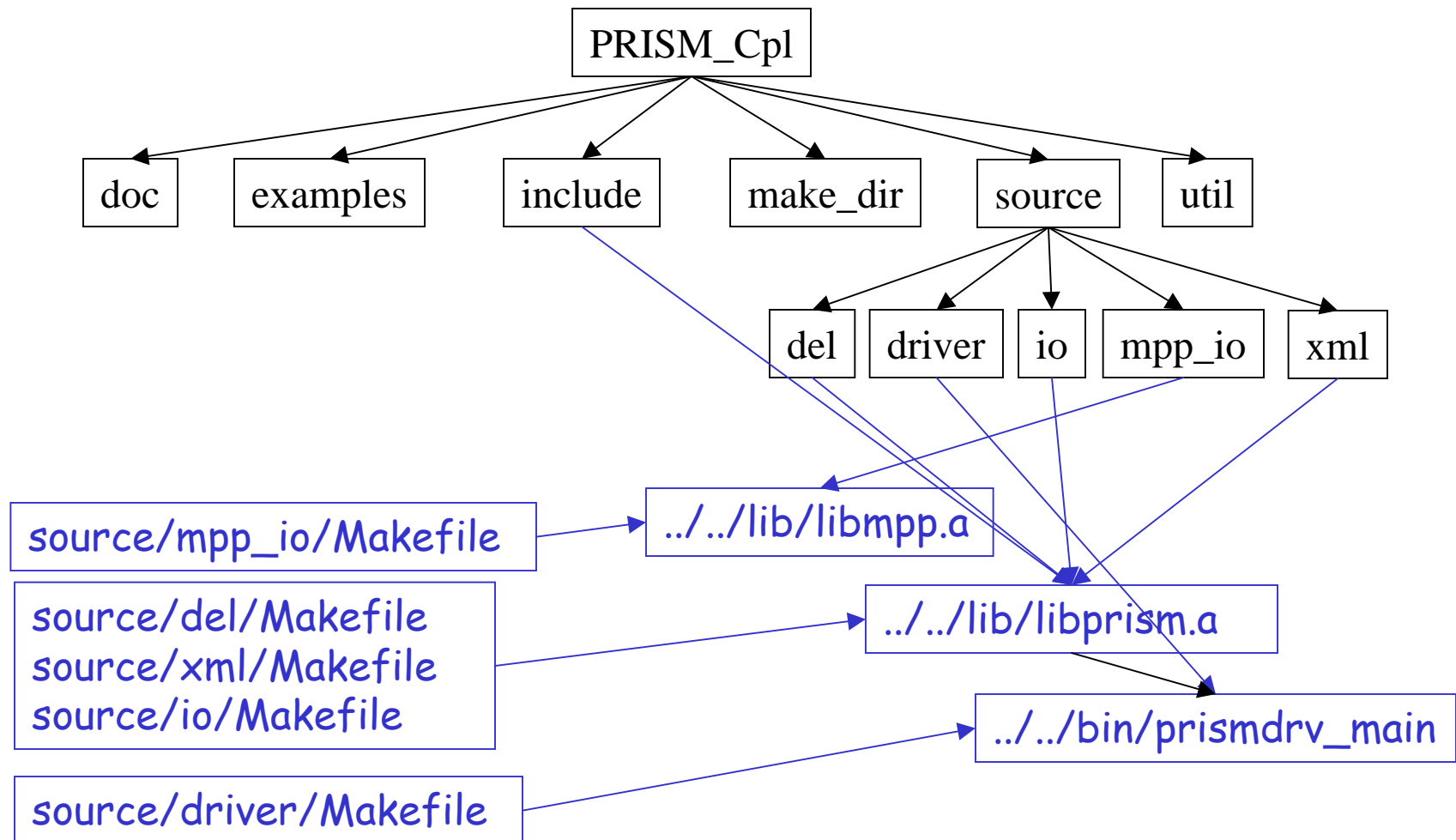
Proposition for source code reorganization (1/5)

Currently:



Proposition for source code reorganization (2/5)

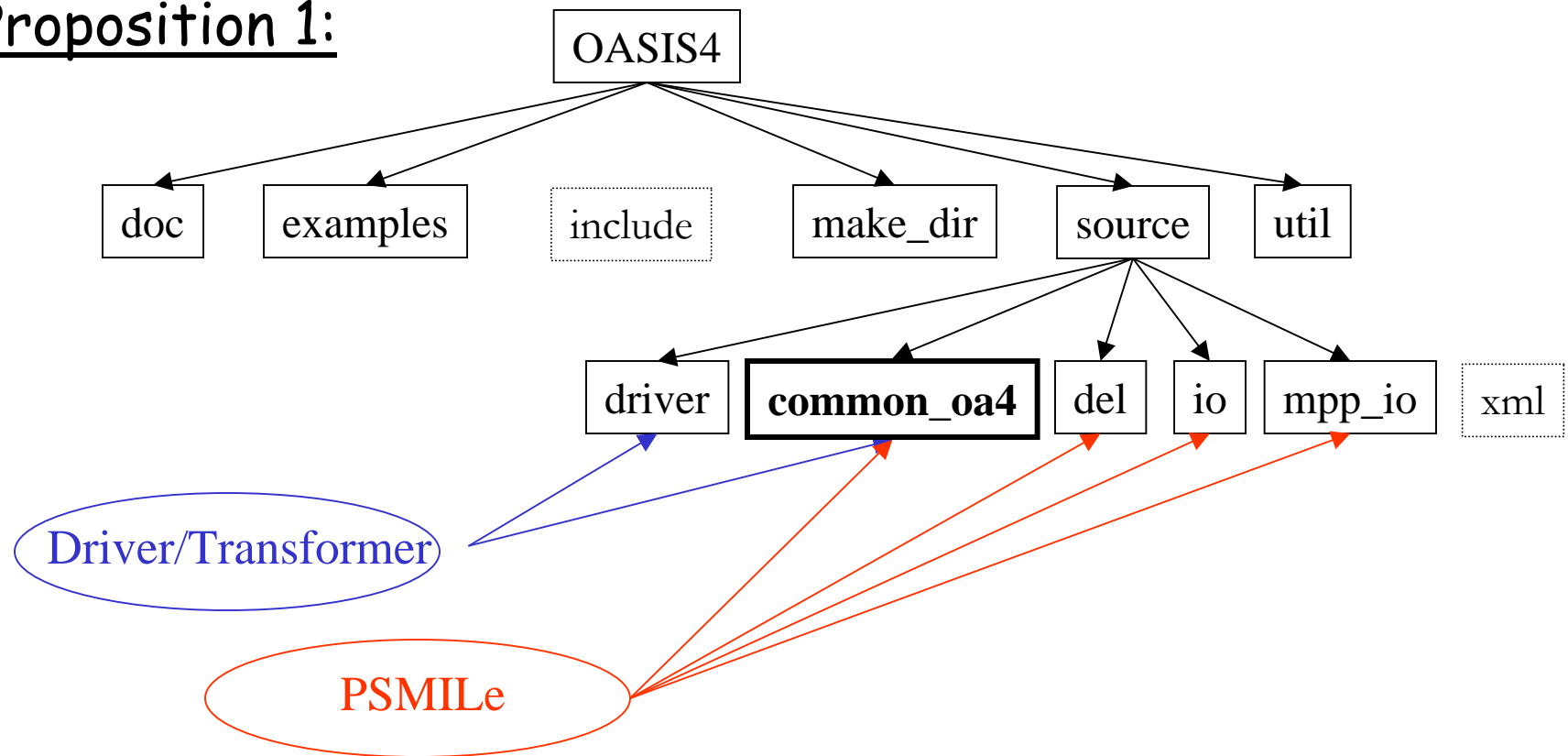
Current compilation make with _io:



- prismdrv_main contains the driver + psmile - mpp_io
- a model would have to link with libprism.a and libmpp.a

Proposition for source code reorganization (3/5)

Proposition 1:

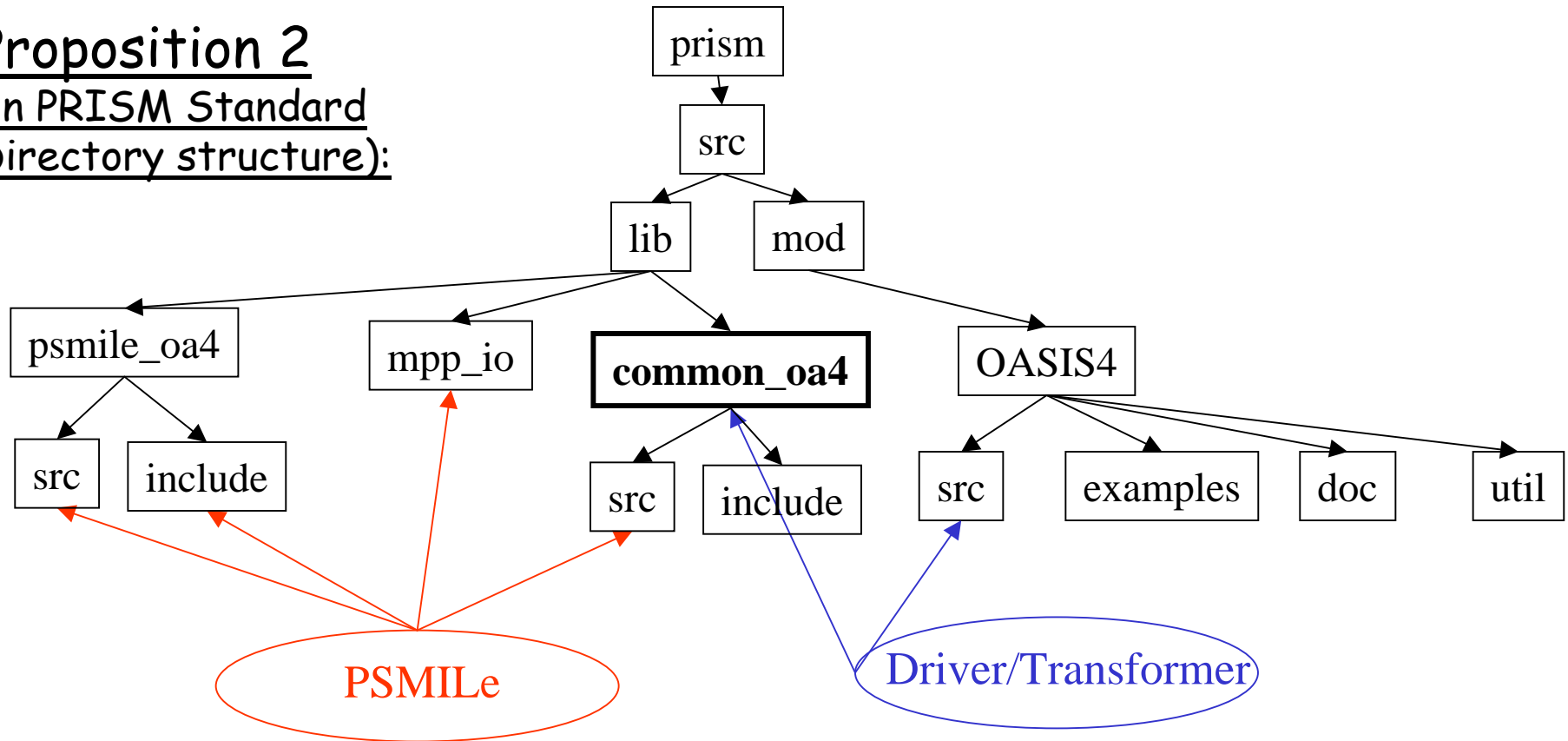


- common_oa4: routines common to PSMILe & D/T (from include, xml and del dirs)

Proposition for source code reorganization (4/5)

Proposition 2

(in PRISM Standard Directory structure):



- OASIS4/src: routines from directory driver (see proposition 1)
- psmile_oa4 contains:
 - in /src: del + io routines
 - in /include: .h, .inc, actual modules (or part) used only by psmile

Proposition for source code reorganization (5/5)

- Some files will be split (to follow the rule « one module per file »):
 - prismf.F90 (from /include):
 - prism.F90 (in /common_oa4/include)
 - prism_constants.F90 (in /common_oa4/include)
 - psmile.F90 (from /include)
 - psmile.F90 (interface description for io and del -> in /psmile_oa4/include)
 - psmile_common.F90 (in /common_oa4/include; Josefine's proposition is OK)
 - psmile_constants.F90 (in /psmile_oa4/include; Josefine's psmile_constant is OK)
 - prismdrv.F90
 - prismdrv.F90 (in /OASIS4/src)
 - prismdrv_constants.F90 (in /OASIS4/src)
- Some files will be renamed (to follow the rule « file with corresponding module name »):
 - mpp_mod.F90 -> psmile_mpp_mod.F90 (in /mpp_io) (this is needed because some models, e.g. MOM, already using mpp_io for their I/O, use an older version of mpp_mod).
 - ...
- Some files will be split (to make a clear separation between PSMILE and Driver routines):
 - psmile_error.F90 (from /del)
 - psmile_error_common.F90 (in /common_oa4)
 - psmile_error.F90 (in /psmile_oa4)
- mpi_calendar.F90 will be remaned as prism_calendar.F90 and test structure will be removed.
- ipsl_calendar will be removed.
- A line break will be introduced in routines containing `__FILE__`
- Routines not used will be removed (e.g. prism_set_subgrid_xx_xxxx.F90) even if there interface will remain in corresponding interface module).
- In some files, USE statements will be modified because of new modules