

ESMF-OpenMI terminology mapping

Data classes

ESMF	Description	OpenMI 2.0
ESMF_AppDriver	Main program/controller	OpenMI gui/commandline runner
ESMF_GridComp	Something with input and output (run, initialize, finalize)	LinkableComponent
ESMF_CplComp	Maps input to a output state (used for conversion of units, grids, spatial transformation).	OpenMI Tools/SDK
ESMF_State	Collection with a role (input, output)	InputExchangeItem/OutputExchangeItem
ESMF_Array	data (arrays, datatype) + attributes (units, spatial information)	ValueDefinition, ExchangeItem, ElementSet
ESMF_Grid	Information about spatial and connection of cells.	ElementSet
ESMF_Field	Grid with an array, staggering, location	ElementSet
ESMF_Time	Time management	ITime
ESMF_Calendar	Time management	ITime
ESMF_TimeInterval	Time management	ITime