

definition	FLUME	Curator	FMS	PRISM	NMM	proposed term
<i>processes</i>						
writing scientific code & describing it in metadata	definition			producing the (code and) PMIOD		
specifying non-coupling aspects of science code; defining the (input) data	configuration (in FLUME, this includes instantiating the grids)		filling in the <input> tag in the FRE	producing (part of) the SMIOC	filling in the <IO> tag	
specifying how science code should be coupled together	composition	coupling	coupling; results in part of the FRE being produced	producing (the rest of) the SMIOC & (part of) the SCC		
specifying how to run the coupled model (how to parallelise it, where to run it, etc.)	deployment (includes specifying what framework to generate code for)		run FREmake	producing the SCC		
<i>metadata</i>						
metadata description of “model” code; specification of all choices related to the code	configurable entity (previously called a “composable entity”)		component model codebase (does this include metadata?)	PMIOD	potential component, (previously called codebase?) (PMIOD is just one aspect of this); NMM	

					bundles together everything that is needed to make appropriate scientific choices	
metadata description of “model” code which can be incorporated into a coupled model	composable entity (previously called a “configuration”)			SMIOC		
metadata description of coupling	composition			SMIOC & SCC		
instructions to produce a set of executables	deployment					
instructions to produce an executable	deployment_unit (forms part of a deployment)			SCC	forms the “technical” part of a component	
all of the metadata that defines a single job and/or run	job (refers to the set of selections metadata grouped together to send to the code generator)					
<i>code</i>						
atomic chunk of science before it is ready to be exposed to the framework (ie: configuration has not taken place)	configurable entity	component model code (this is not associated w/ metadata, but	component model codebase	component (this is associated with PMIOD metadata)	codebase?	POTENTIAL COMPONENT

		Curator would like to use the PMIOD)				
atomic chunk of science that is exposed to the framework	composable entity (with or without grid); can include composite models	component (either a gridded or a coupler component); can be hierarchical	component model	component (this is associated with SMIOC metadata) must be gridded, but can use a “gridless grid”); not hierarchical	component	COMPONENT
a compiled executable	deployment_unit	top-level component	model (“solo-model” has only 1 component)	application		DEPLOYMENT_UNIT
code that is almost ready to be run, but complete input is yet to be specified (input includes things like namelist data, restart data, ancillary data, etc.). This is particularly relevant to ensembles.	coupled_model (consists of a set of deployment_units)	application	NA (no plans to support MPMD) – same as “model”	coupled_model		POTENTIAL RUN RUN_UNIT?
<i>other</i>						
a single batch of execution; run segment plus input data	job	NA	instance of FRERun	run		JOB
sequence of jobs	run; FLUME has “development runs”, “production runs” (where data is saved), and		run	experiment		RUN

	“operational runs” (for NWP)					
set of runs linked for some purpose (the purpose is irrelevant)	experiment		FRE	NA	experiment	EXPERIMENT
set of runs linked for the purpose of ...	ensemble		experiment suite			ENSEMBLE - A PARTICULAR TYPE OF EXPERIMENT
set of related experiments (along the lines of IPCC)						PROJECT? CAMPAIGN?