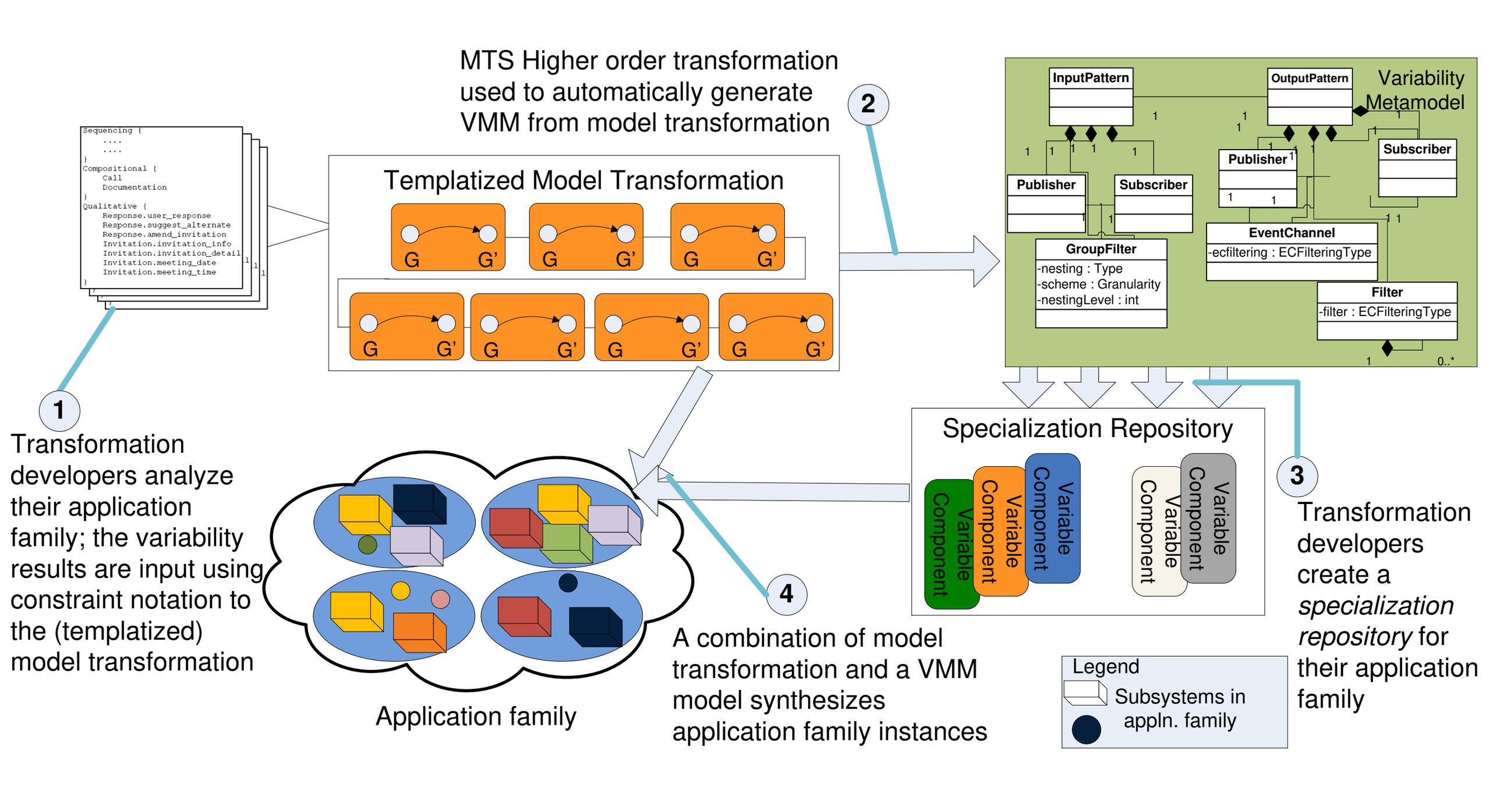
MTS Higher order transformation used to automatically generate VMM from model transformation
Templatized Model Transformation
G
G'
2
InputPattern
OutputPattern
Variability Metamodel
Publisher
Subscriber
GroupFilter
-nesting : Type
-scheme : Granularity
-nestingLevel : int
EventChannel
-ecfiltering : ECFilteringType
Filter
-filter : ECFilteringType
0..*
Specialization Repository
Variable Component
1
Transformation developers analyze their application family; the variability results are input using constraint notation to the (templatized) model transformation
3
Transformation developers create a *specialization repository* for their application family
4
A combination of model transformation and a VMM model synthesizes application family instances
Application family
Legend
Subsystems in appln. family