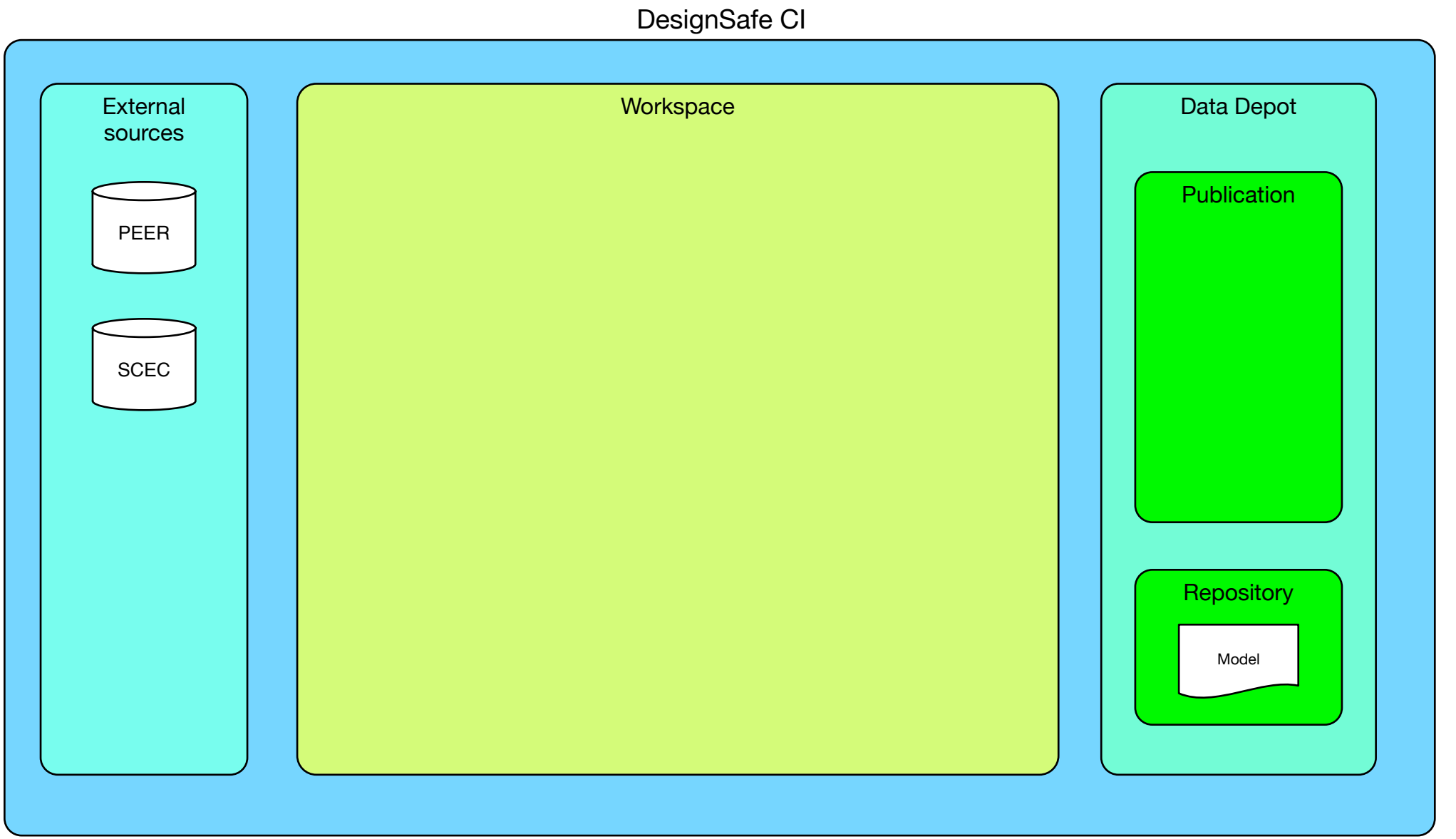
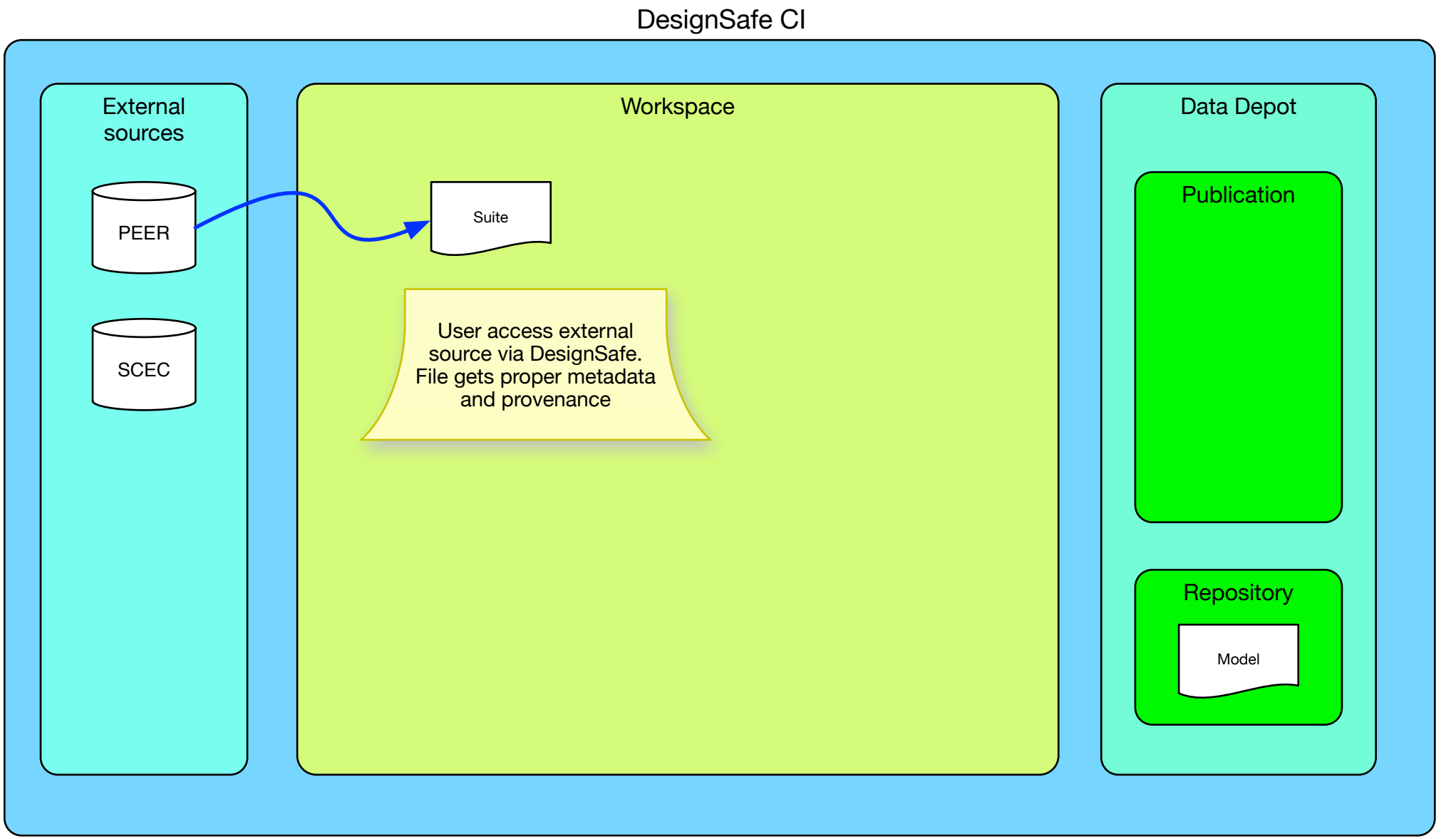
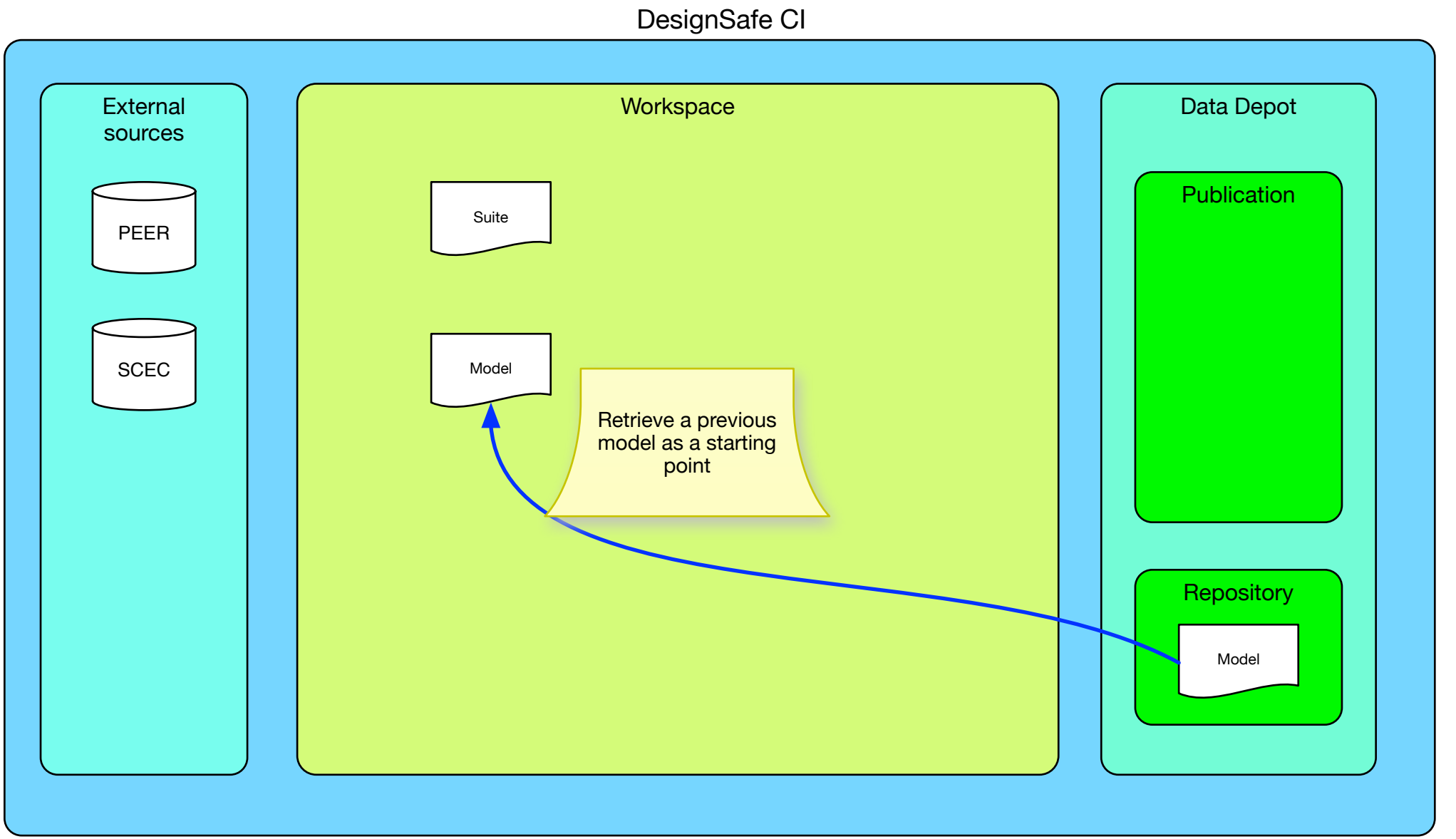
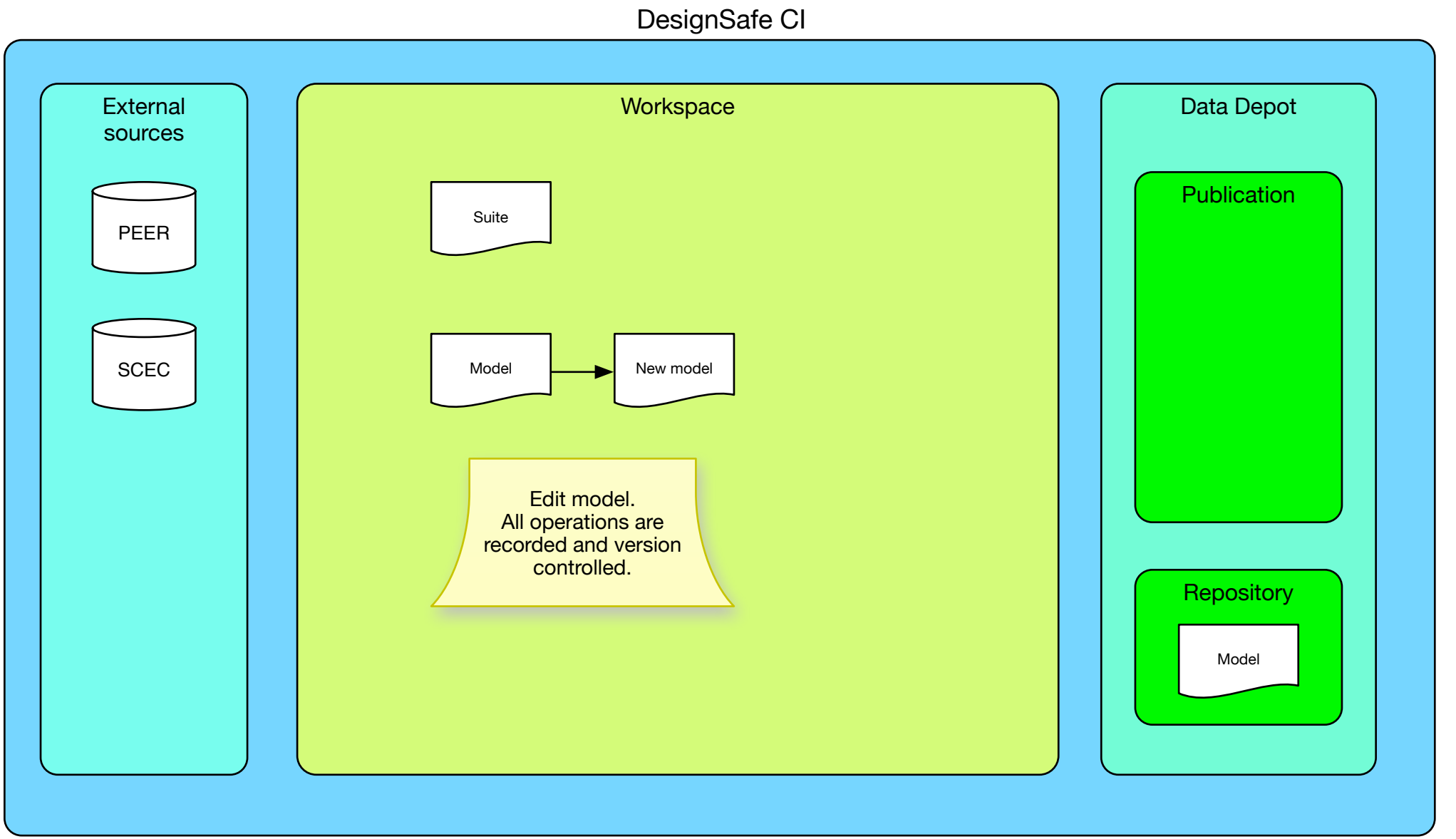
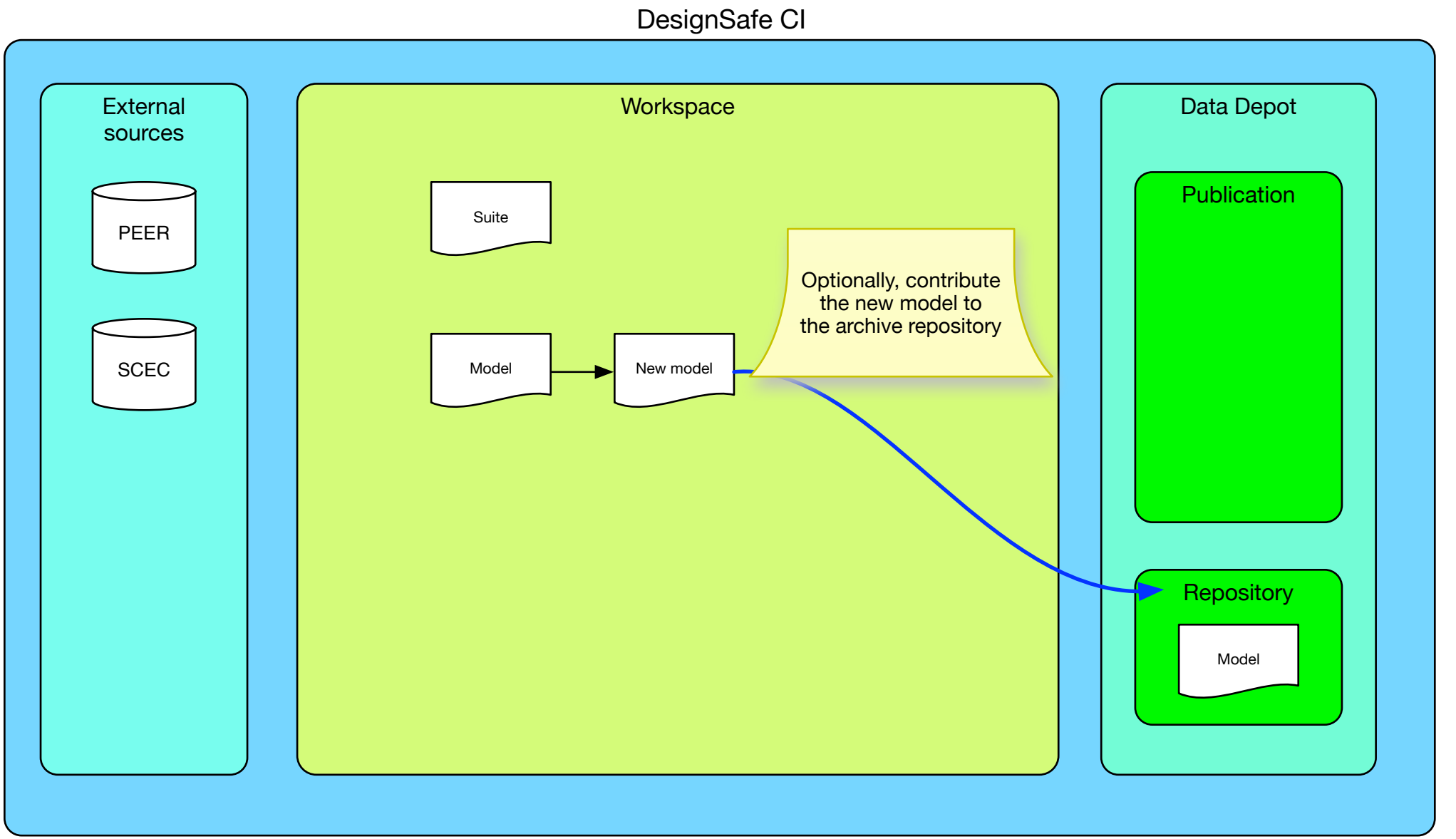
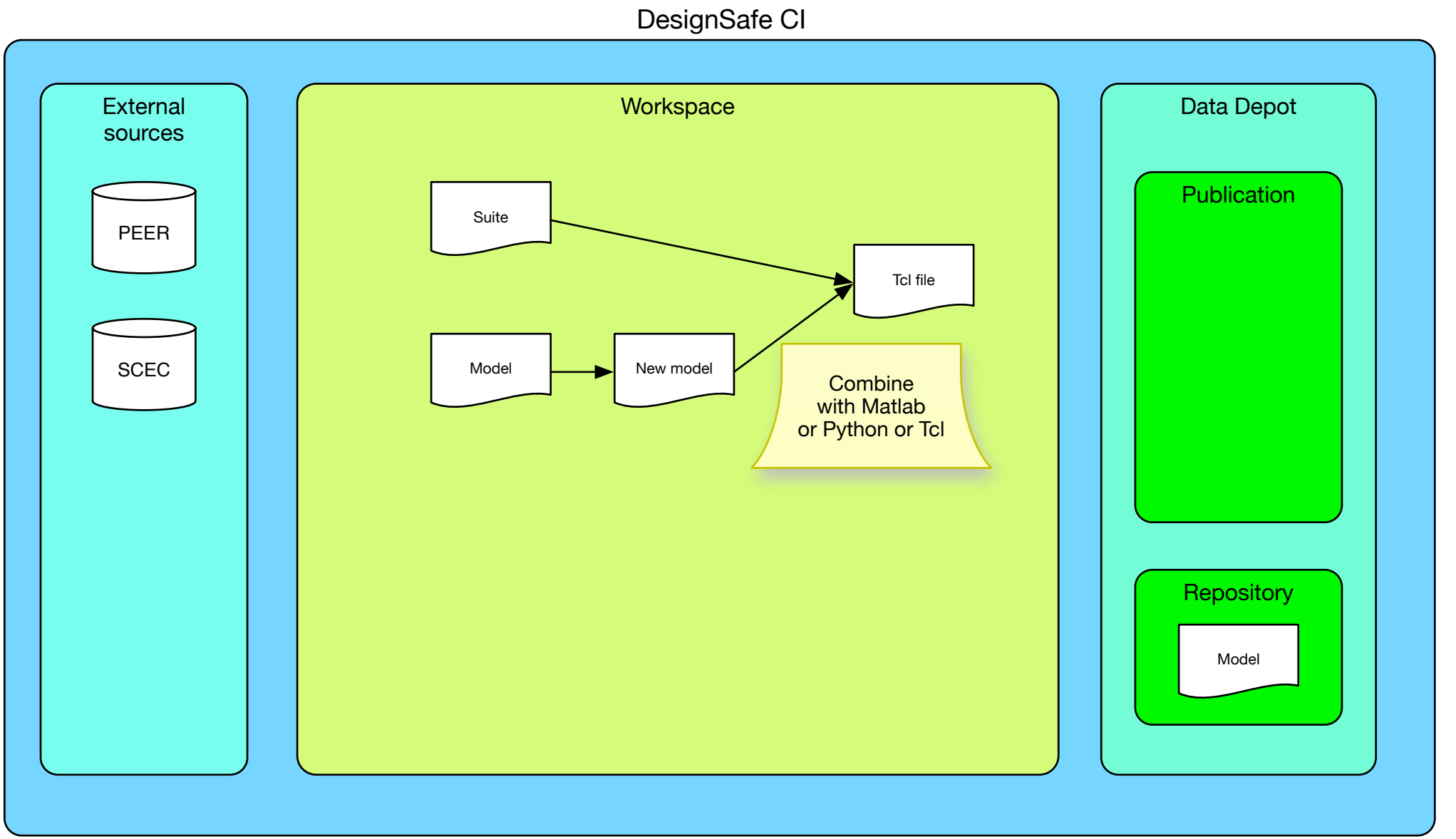

DesignSafe CI
External sources
PEER
SCEC
Workspace
Data Depot
Publication
Repository
Model

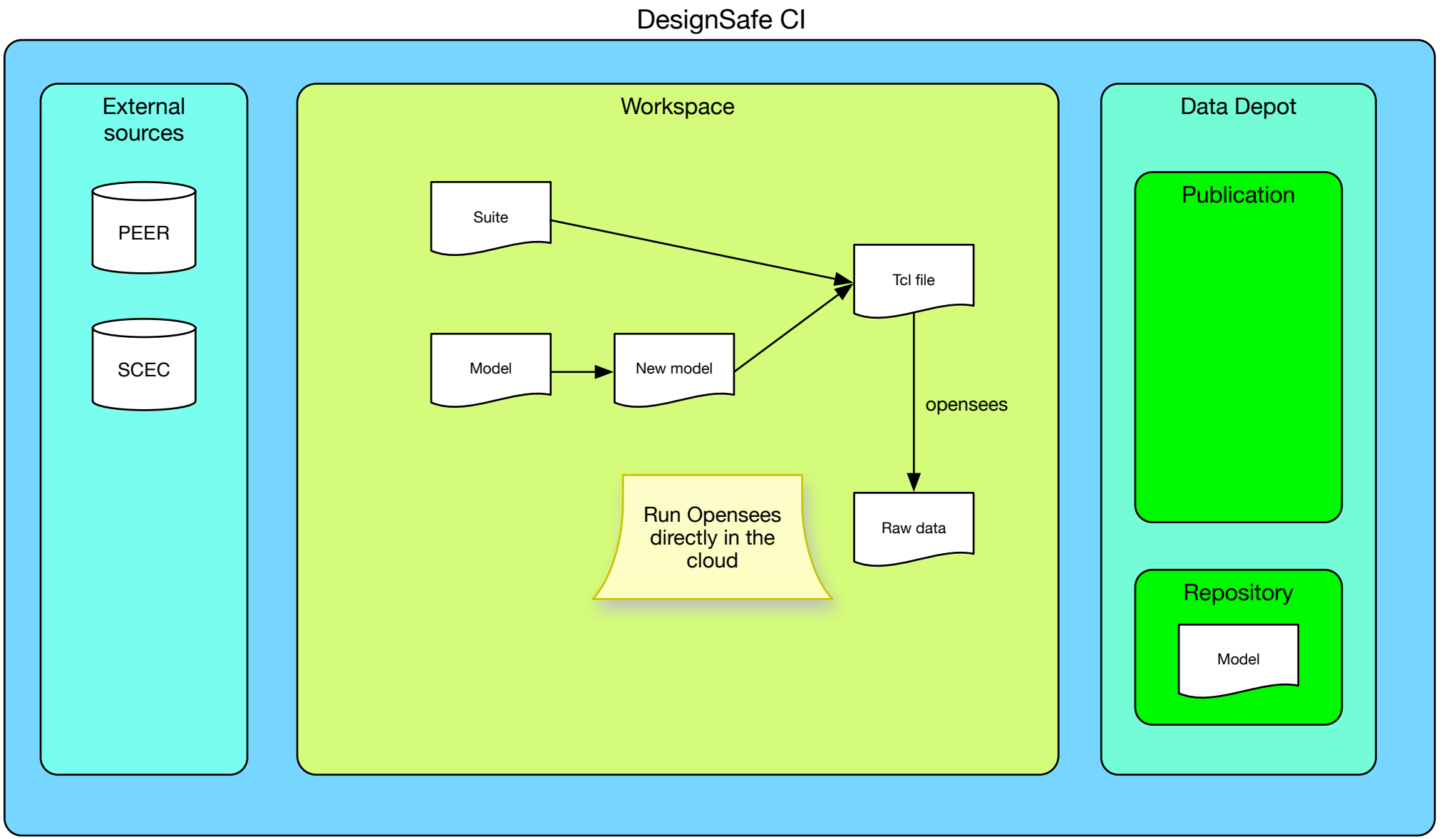

DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
User access external source via DesignSafe. File gets proper metadata and provenance
Data Depot
Publication
Repository
Model


DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
Model
Retrieve a previous model as a starting point
Data Depot
Publication
Repository
Model

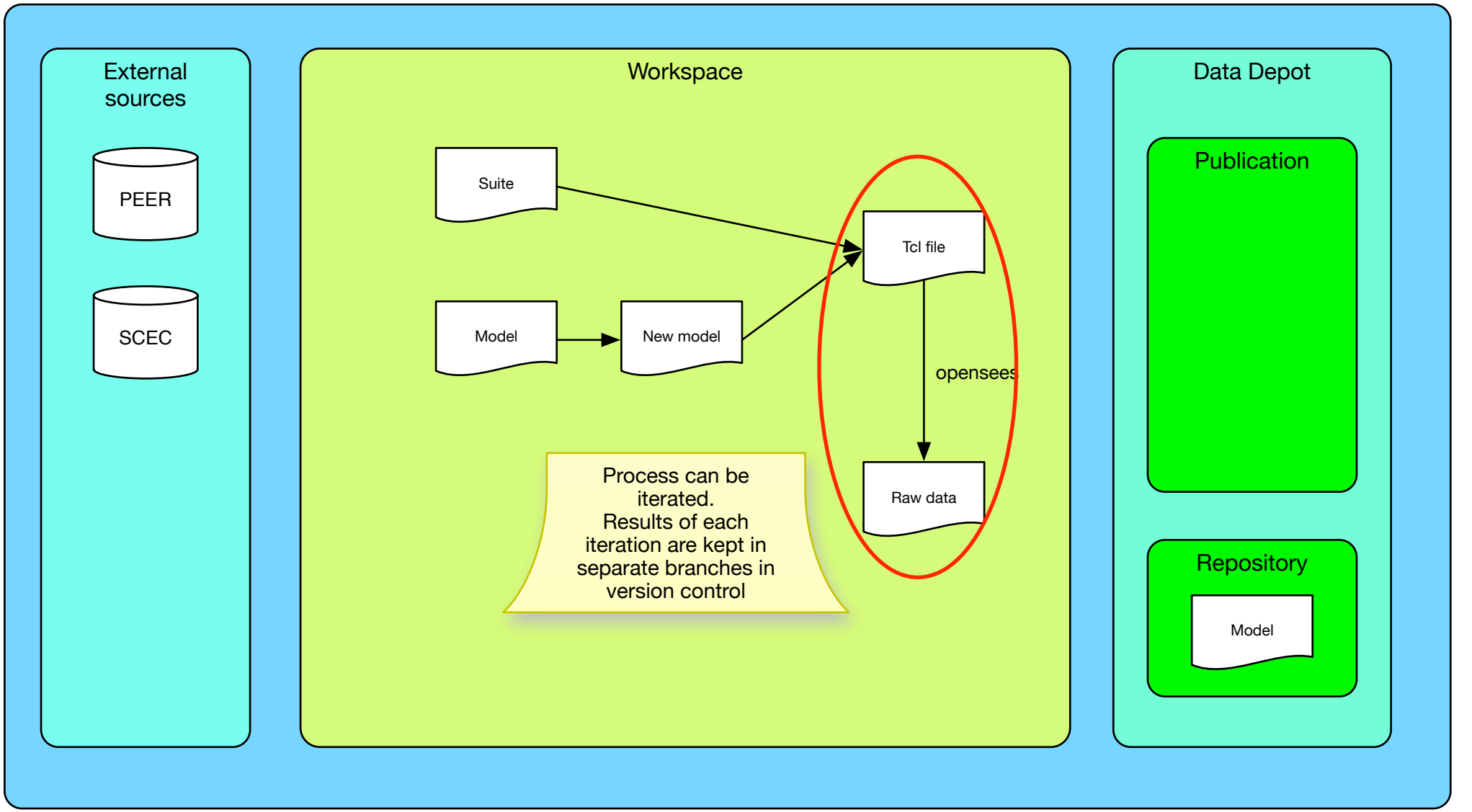

DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
Model
New model
Edit model.
All operations are recorded and version controlled.
Data Depot
Publication
Repository
Model

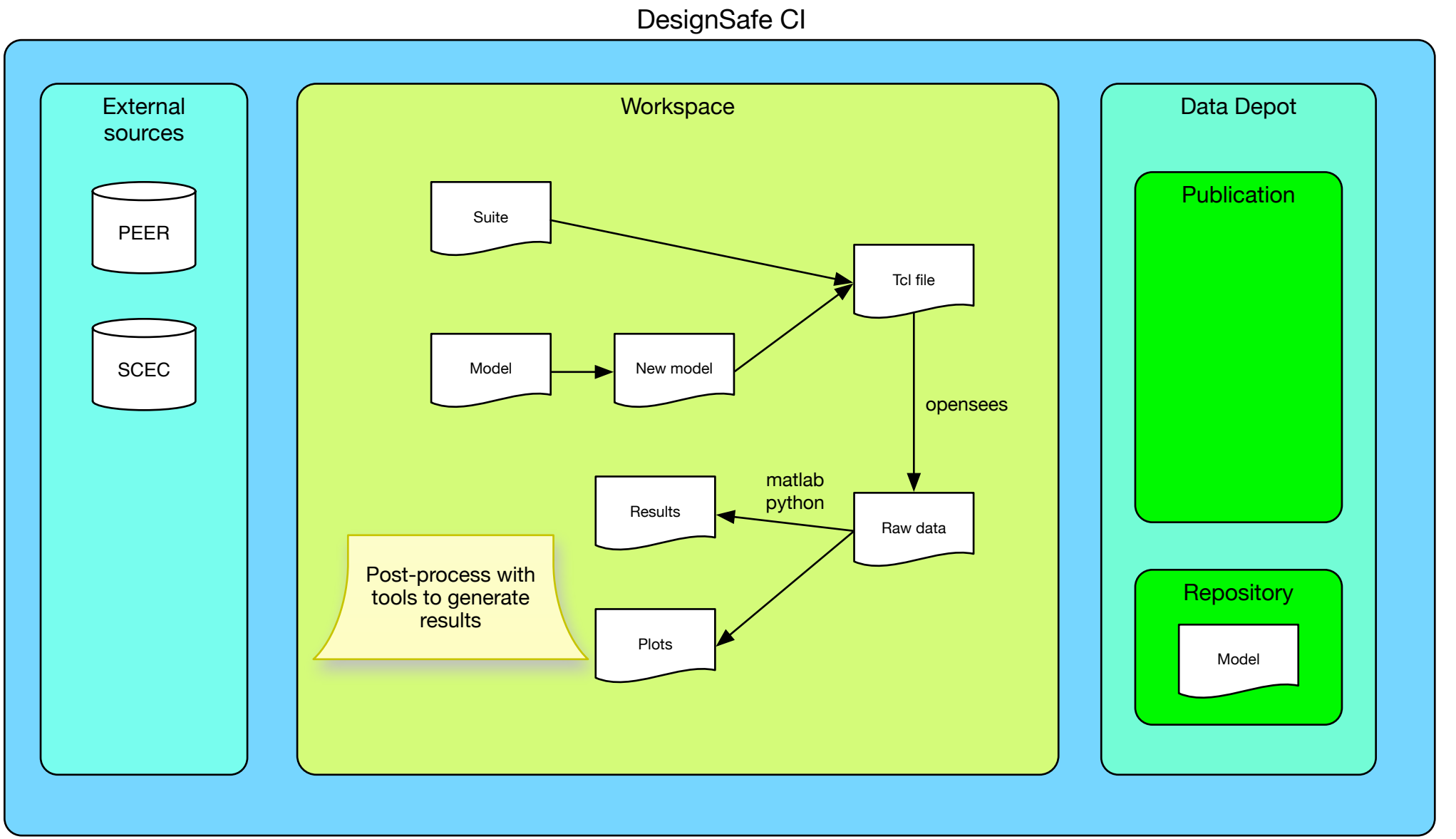

DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
Model
New model
Optionally, contribute the new model to the archive repository
Data Depot
Publication
Repository
Model

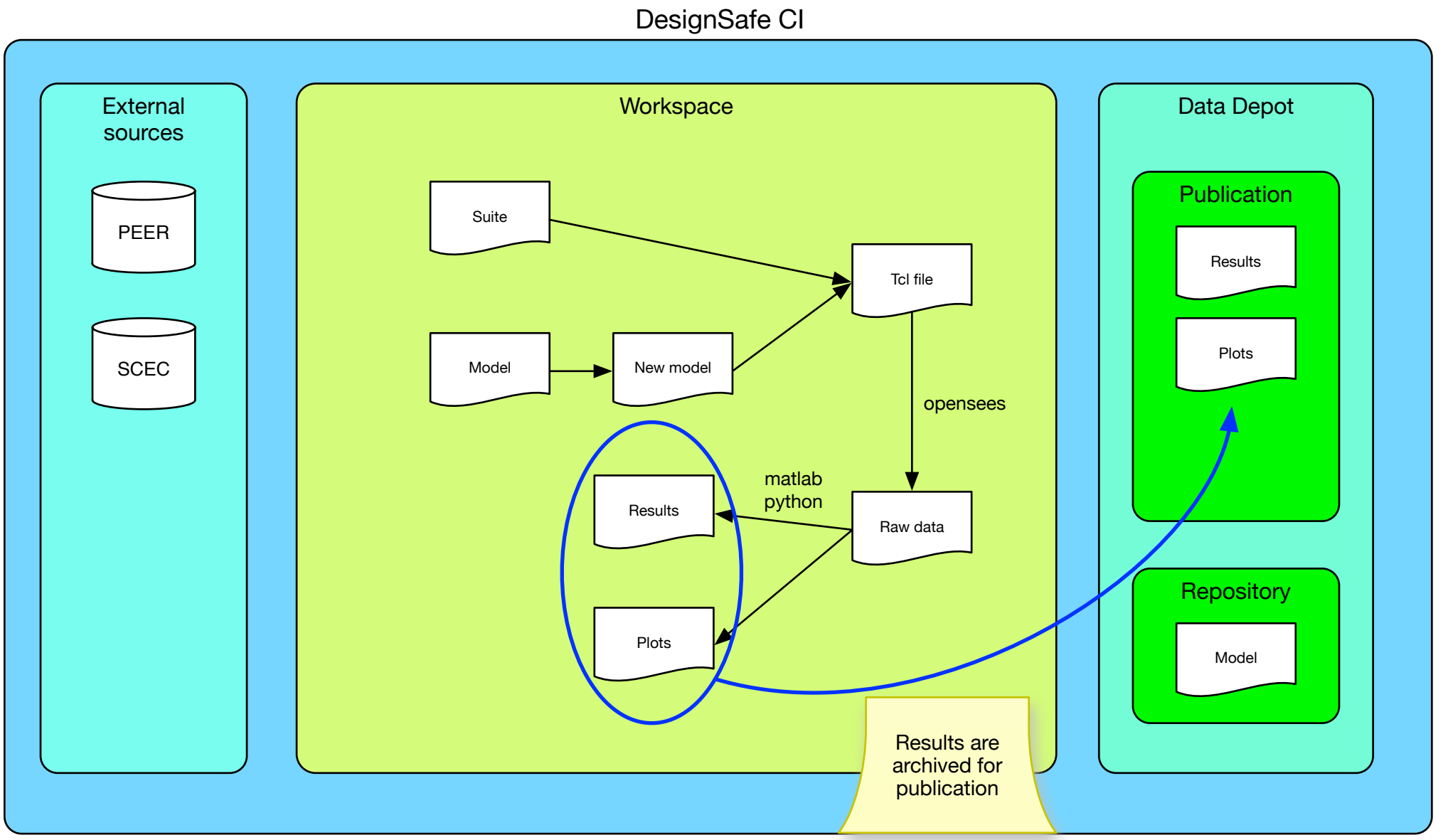

DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
Tcl file
Model
New model
Combine with Matlab or Python or Tcl
Data Depot
Publication
Repository
Model

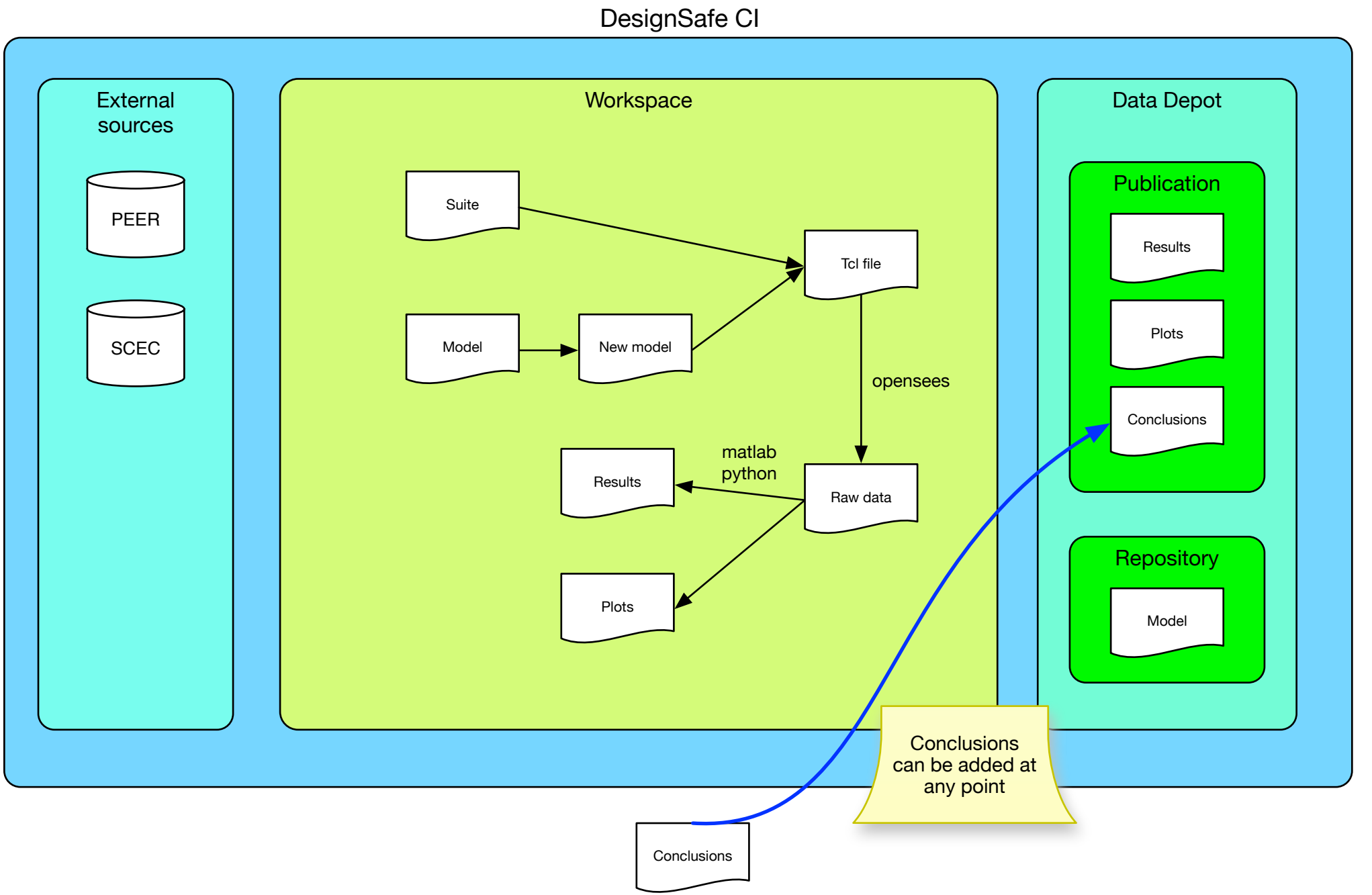

DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
Tcl file
Model
New model
opensees
Run Opensees directly in the cloud
Raw data
Data Depot
Publication
Repository
Model

DesignSafe CI




DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
Tcl file
Model
New model
opensees
matlab
python
Results
Raw data
Post-process with tools to generate results
Plots
Data Depot
Publication
Repository
Model


DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
Tcl file
Model
New model
opensees
matlab
python
Results
Raw data
Plots
Data Depot
Publication
Results
Plots
Repository
Model
Results are archived for publication


DesignSafe CI
External sources
PEER
SCEC
Workspace
Suite
Tcl file
Model
New model
opensees
matlab
python
Results
Raw data
Plots
Data Depot
Publication
Results
Plots
Conclusions
Repository
Model
Conclusions can be added at any point
Conclusions