

SBML Composition Meeting

Orientation and goals

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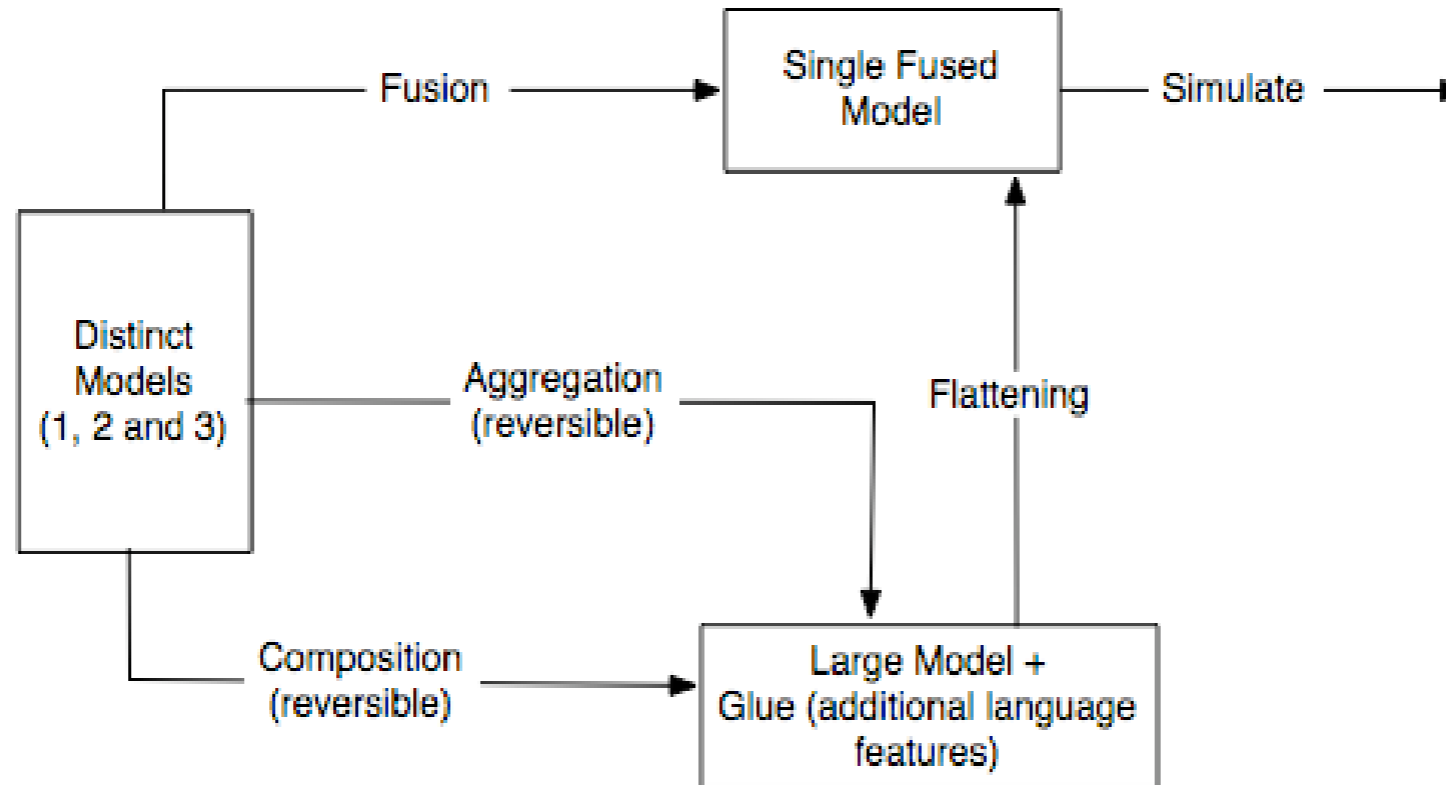
Why are we here?

- SBML does not currently support composing a model out of parts
- People need (or soon will need) this capability
- We are essentially a working group and we need to:
 1. Identify more precisely what we mean by “model composition” and its scope
 - 1.1. What should be in the language? What shouldn't be?
 - 1.2. How do we expect **this** capability interact with **other** SBML extensions?
 2. Review what has been done so far, both in terms of
 - 2.1. Applications supporting submodels/composition/integration
 - 2.2. Proposals for extending SBML
 3. Produce an updated or revised proposal for SBML L3

What has been done before?

- Software
 - ProMoT
 - SBMLmerge
 - Ranjit Randhawa's "Fusion Wizard"
- Other languages
 - CellML
 - Modelica
 - JSim
 - others?
- SBML proposals
 - Martin Ginkel
 - Jonathan Webb
 - Andrew Finney (followed Martin's)

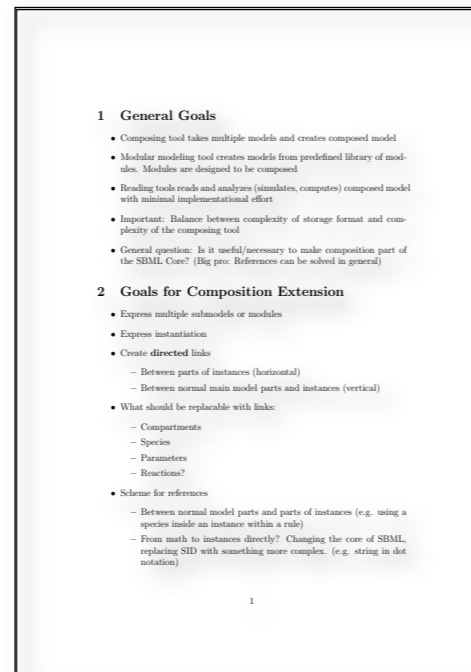
Composition vs. “aggregation” vs. “fusion”



- (From Ranjit)

What will we do today and tomorrow?

1. Review several software efforts and the past proposals
 - (short presentations by people)
2. Review the scope of our effort with those efforts in mind
3. Write down a list of specific goals and constraints
 - (Martin has a start)



4. Start writing a revised (or entirely new, if necessary) proposal for SBML