Welcome to EasyModel

This tutorial will teach you how to create and simulate your first model using EasyModel.

In each slide you will find general annotations, indicating how you can use the interface to create your model.

To start the tutorial press next (or press skip to use EasyModel).

Information buttons can be found accross the application.

Model Repository

Import SBML

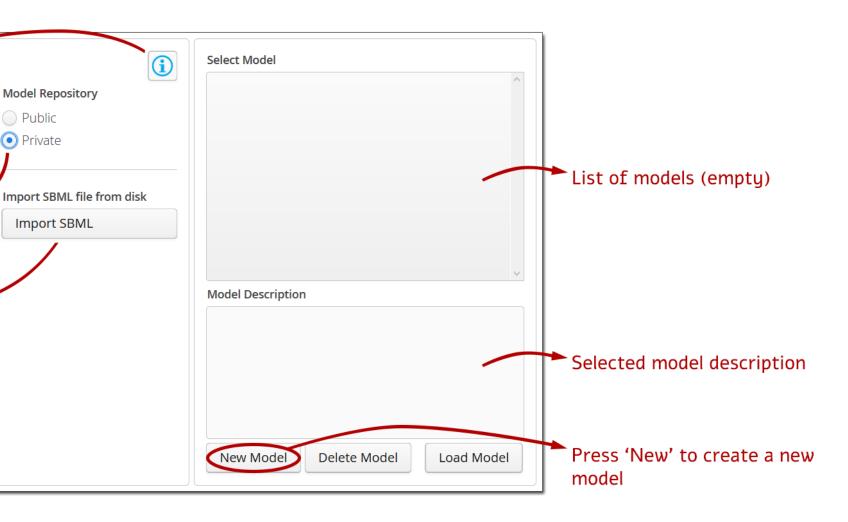
Public

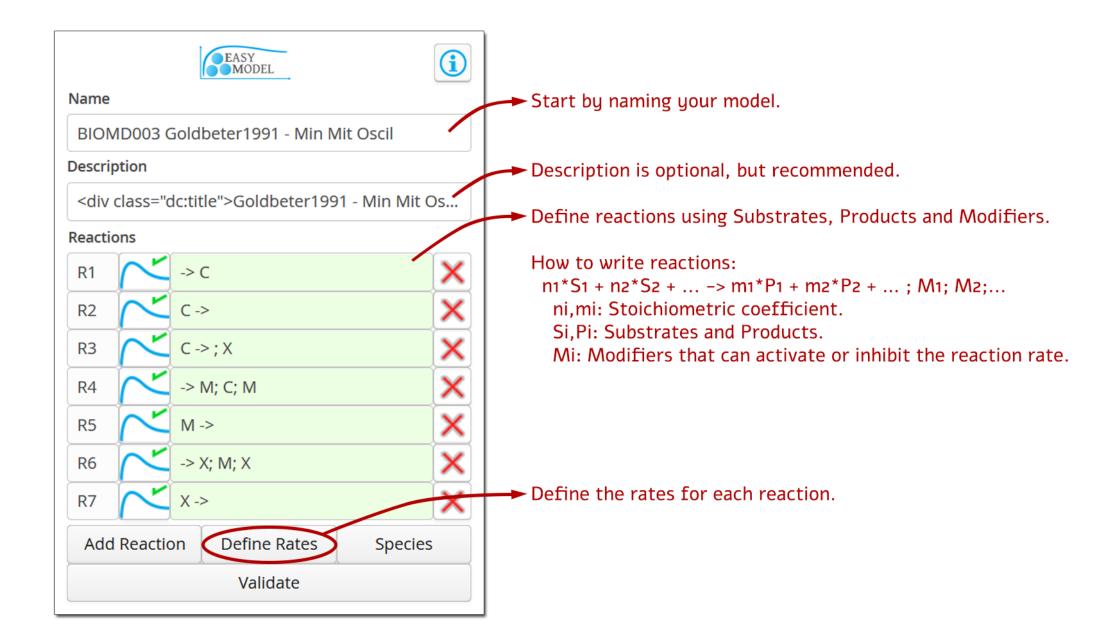
Private

Public models. Models can be modified as changes won't be saved.

Create and modify your personal models. Changes will be saved every time the model is validated.

A local SBML model file may be imported to EasyModel.

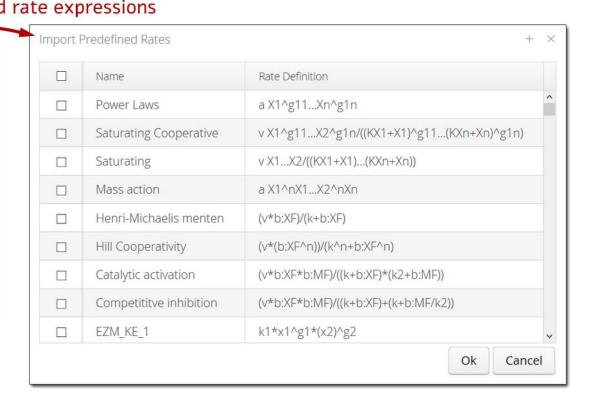


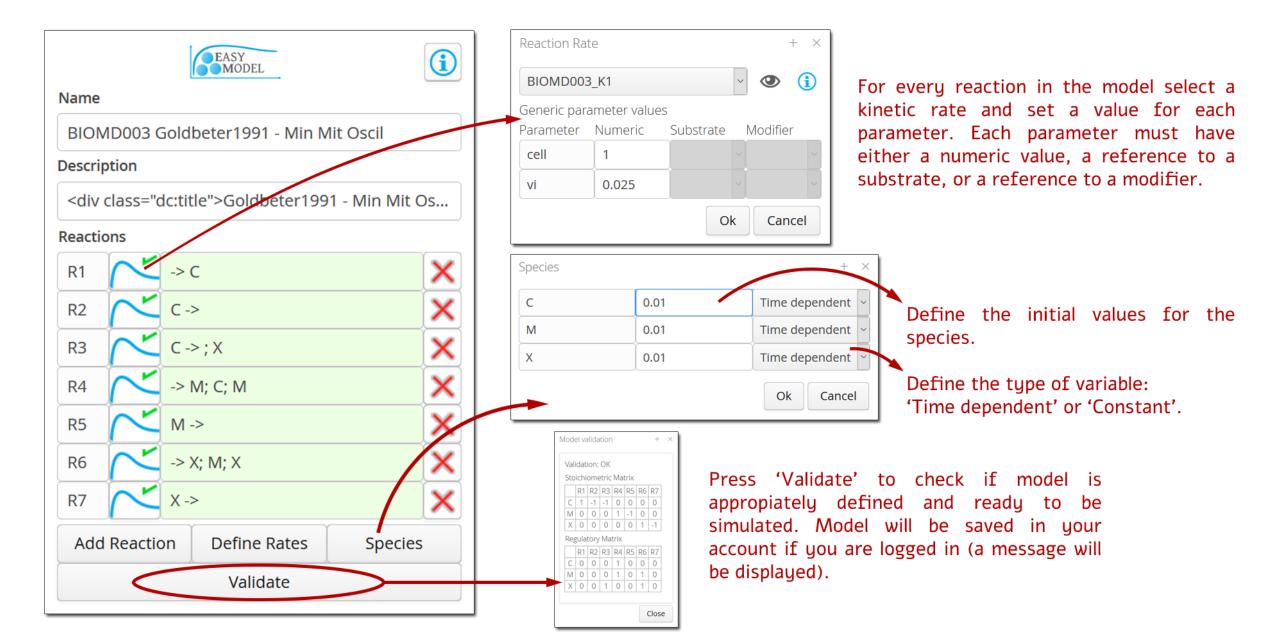


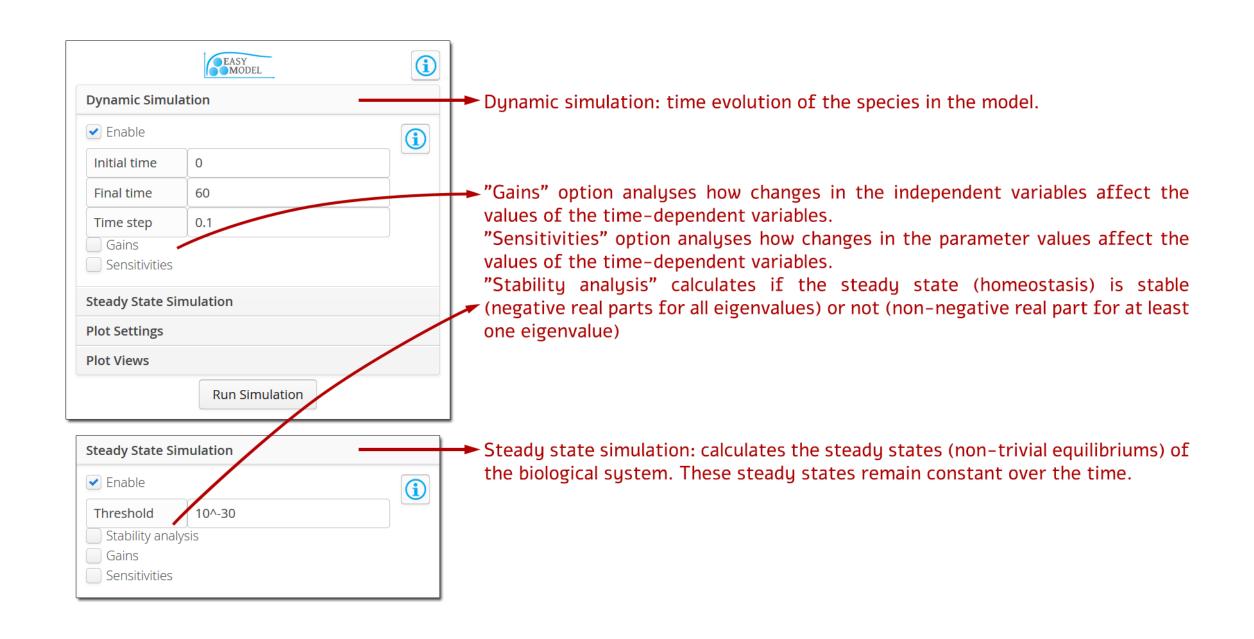
When you're done press this Import predefined rate expressions Back to Model Editor New Rate Import Rates Rate Definition Edit Name Remove X BIOMD003 K1 cell*vi × 0 BIOMD003 K2 C*cell*kd X BIOMD003 K3 C*cell*vd*X*(C+Kd)^-1 X 0 BIOMD003 K4 cell*(1+-1*M)*(C*VM1*(C+K... × BIOMD003_K5 cell*M*V2*(K2+M)^-1 X 0 BIOMD003_K6 cell*(M*VM3)*(1+-1*X)*(K3... × 0 BIOMD003_K7 cell*V4*X*(K4+X)^-1 New rate expression + \times Edit Rate Rate Name BIOMD003 K1 Rate Definition cell*vi **Rate Options** One substrate only No products One modifier only

Ok

Cancel

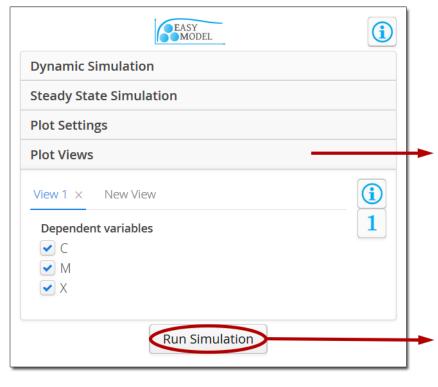






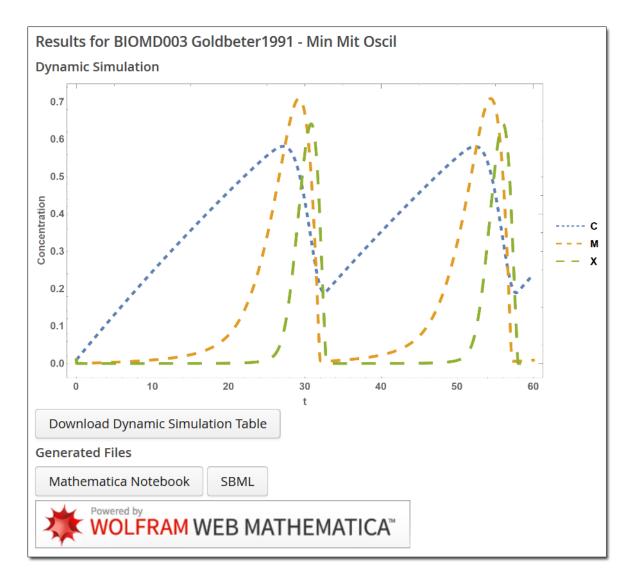


Plot settings: contains several configuration parameters for the graphical plots that will be performed.



Plot views: you can select which time-dependent species are to be plotted in the simulation graphics. Furthermore, you can define several plot views, each of them with its own selected time-dependent species.

Press 'Run Simulation' to start your simulation



The simulation results are displayed in the final step. Clicking the cancel button aborts the simulation.

Left-click images for high-resolution copies.

You can download:

- -Images
- -Results text files
- -Mathematica Notebook of the whole simulation
- -SBML file of your model

You have completed the tutorial!

Press next to start using EasyModel.