

What's New in Version 9.1?

Version 9.1 feature additions make it even easier to build, share, and learn from STELLA® and *iThink*® models.

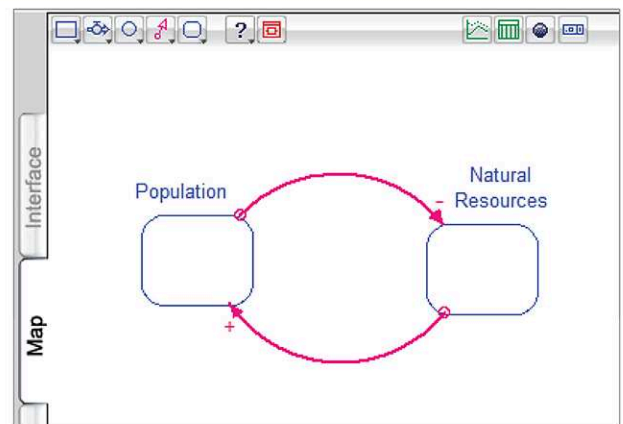
Key New Features

Export for isee NetSim™

Models are easily exported and published to the web using the newly released isee NetSim software. Simulations can be shared with anyone with a browser, whether or not they are *iThink* or STELLA users. Models can be published to a free Forio Broadcast account hosted by isee's partner, Forio Business Simulations, or any other server where isee NetSim Server software is installed.

Hierarchical modules

Hierarchical modules simplify models of large, complex systems. Small, self-contained portions of a model can be linked together in a hierarchical system. Hierarchical modules can also serve as reusable model templates or "building blocks" of generic structures. Using modules to break large models into small, well-defined pieces assists in testing and accommodates size limitations.



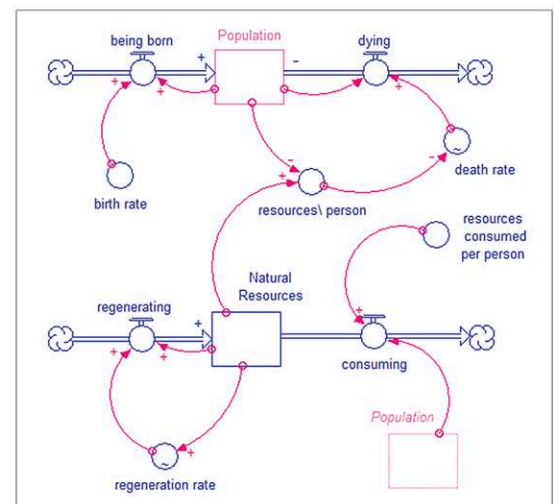
Modules provide an easy way to map out your model's dynamic hypothesis

"Version 9.1 allows us to represent complex models by creating a hierarchy of one-page maps. This is a great innovation that will define the architecture of future complex models."

***— Khalid Saeed
Worcester Polytechnic Institute***

Polarity

Polarity capabilities allow modelers to easily display cause and affect relationships between variables. Polarity is assigned to a Flow or Connector by right-clicking on the entity, and choosing "+/s" or "-/o." Connections between model elements will reflect a positive or negative relationship using symbols that are set through Model Preferences.



Polarity symbols make it easier to explain feedback loops

"Polarity capabilities make it easier for my students to explain the feedback loops in their models and enhance the already-strong communication features of STELLA and iThink."

— Diana Fisher, Wilson High School, Portland, OR

Additional New Features

Expanded data import and export functionality

Data can be imported from multiple Excel worksheets. A new “Use table settings” exports data exactly as it appears in the table rather than exporting the values of model variables at the end of a simulation run or time interval.

Export Data

Export Data to an Excel Worksheet

Export Type

One Time - Export data from the model without establishing a link

Persistent - Export data from the model, establishing a link

On Demand - Update when requested by user

Dynamic - Update when data changes

Export Data Source

Export all model variables

Export variables in table model: Table 1

Interval:

One set of values

Every 1,000 Years

Every DT - Export every intermediate value during the run

Use table settings

Export Destination

Excel File Name:

Browse... C:\Documents and Settings\jegner\Desktop\importexport.xls

Worksheet Name: Sheet1

Data Orientation

sales	Net Income	expenses
\$1,500.00	\$2,000.00	\$1,900.00

sales	\$1,500.00
Net Income	\$2,000.00
expenses	\$1,900.00

Cancel OK

New export option updates Excel worksheets according to table settings

Page size options

New options in the Interface Preferences dialog make it easier to create Runtime models and those you want to publish to the web. Simply set the size of the display window and assign a Home Page. When pages are shown on the Interface Layer, they will respect the sizing that was set.

New button options

Navigation buttons support Next Page, Previous Page, and Home Page navigation. Optional use of button titles and format titles for Transparent Buttons makes it easy to add navigation or hyperlinks to your model.

New built-in functions

ARCSIN, ARCCOS and NormalCDF have been added to the list of available built-in functions.

Additional tutorials

Model Building & Simulation and Interface Creation tutorials provide step-by-step instruction by demonstrating the software mechanics and features used to build a simple model of a population constrained by natural resources.

"The modules feature in version 9.1 makes it easier to construct and communicate a model by chunking down the complexity into manageable pieces, without losing sight of the whole picture. I can develop a model library and focus more on putting core module structures together rather than individual stocks and flows."

— David Rees
Synergia

System Requirements

Windows:

233 MHz Pentium
Microsoft Windows™ 2000/XP/Vista
128 MB RAM
90 MB hard disk space
QuickTime

Macintosh:

120 MHz PowerPC
or any Intel-based Mac
Mac OS 10.2.8 or higher
128 MB RAM
90 MB hard disk space
QuickTime



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