



**17th UK System Dynamics Chapter
annual conference**

Exploring developments in system dynamics software: Introduction

**27th March 2015
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There are now a wealth of System Dynamics tools

See: <http://tools.systemdynamics.org/>



www.simulistics.com



www.forio.com



www.insightmaker.com



www.goldsim.com



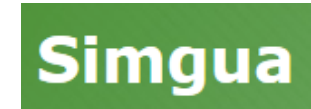
www.iseesystems.com



www.consideo.de



www.anylogic.com



www.simgua.com



www.powersim.com



www.sysdea.com



www.dynaplan.com



www.vensim.com



www.ccl.northwestern.edu/netlogo/



<http://sourceforge.net/projects/minsky/>



www.berkeleymadonna.com

Excel – the most widely used SD tool????

2052 A Global Forecast for the next 40 years

Make your own forecast

You can download the 2052 data Excel spreadsheet [here](http://www.2052.info/download/).

In the spreadsheet you can find all the world graphs from the book, plus additional graphs from each of the five regions.

To produce a consistent world forecast, we sum the regions to get the world. So if you want to change the world, you need to start with the regions!

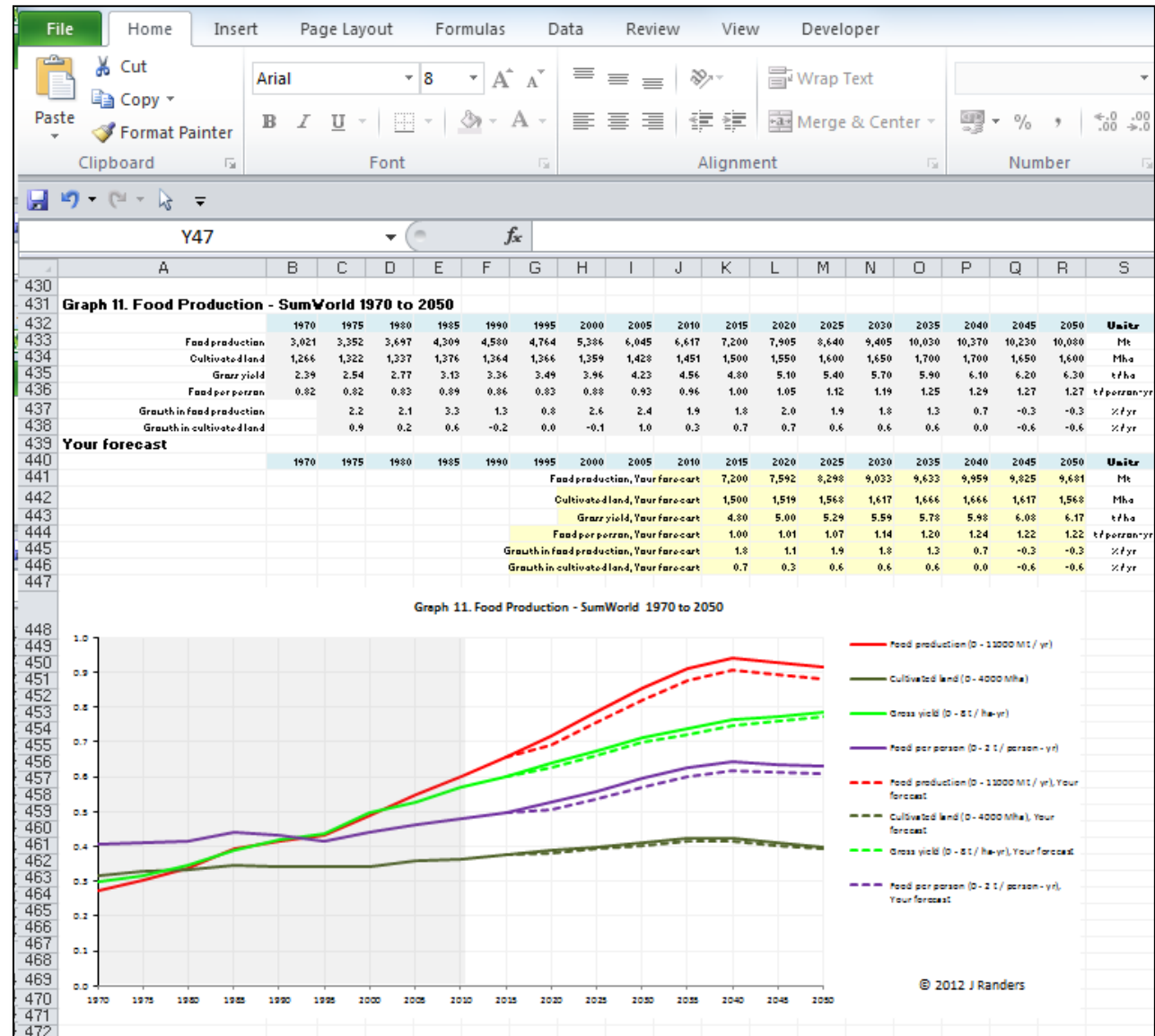
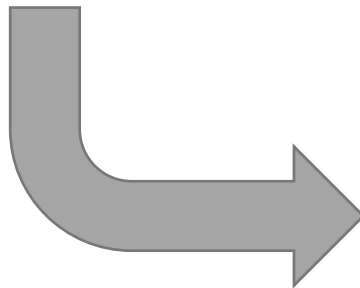
On the sheet with the tab 'Welcome' you find instructions on how to make your own forecast.

The purpose of the Excel sheet is to make it possible for you

1. to study the numbers behind the numerous graphs in the 2052 book. These graphs include historical data for the period 1970 to 2010, and a forecast, covering the period 2010 to 2050.
2. to make your own forecasts for the 2010 to 2050 period.

You need Excel 2007 or newer to open the sheet – we use version 2007 because of the intensive use of linked graphs.

<http://www.2052.info/download/>



Where next for SD tools...

Simile

www.simulistics.com

/forio

www.forio.com

INSIGHT
MAKER

www.insightmaker.com

GoldSim

www.goldsim.com

STELLA
iThink

www.iseesystems.com

CONSIDEO
GmbH

www.consideo.de

AnyLogic

www.anylogic.com

Simgua

www.simgua.com

Powersim
SOFTWARE

www.powersim.com

Sysdea

www.sysdea.com

DYNAPLAN

www.dynaplan.com

Vensim
VENTANA
systems,inc.

www.vensim.com

NetLogo

www.ccl.northwestern.edu/netlogo/

Minsky

<http://sourceforge.net/projects/minsky/>

BERKELEY MADONNA
Modeling and Analysis of Dynamic Systems

www.berkeleymadonna.com

Session 1 - Web-based modelling

Sysdea and web based modelling

Kim Warren (Strategy Dynamics Ltd)

The Systo toolkit for building modelling-enabled web pages

Robert Muetzelfeldt (University of Edinburgh / Simulistics Ltd)

Session 2 - Disaggregated modelling and handling structural complexity

Using Simile to handle disaggregation and individual-based modelling

Robert Muetzelfeldt (University of Edinburgh / Simulistics Ltd)

Jasper Taylor (Simulistics Ltd)

Ventity and entity-based System Dynamics modelling

Lee Jones (Ventana UK)