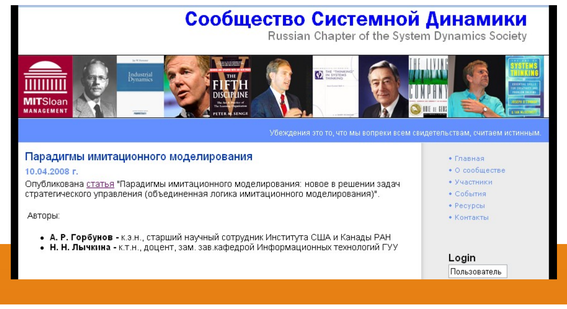
Russian Chapter

SDS International Conference
Athens 2008

Introduction

The Russian Chapter (SDRus) had another successful year. Five new members joined SDRus in 2007-08. We launched a new interactive and user-friendly website www.systemdynamics-russia.org. In November of 2007 our chapter held a meeting at the Moscow State University. Eight members made reports and we produced plan of action for the upcoming year. The summary of SDRus activities are presented in this poster.



Teaching SD in Russia

Moscow State University:

- School of Public Administration (Prof. Kavtaradze, D. Katalevsky)
- Faculty of Economics (B. Annakov, D. Linkov)

Moscow State University of Management (Prof. Lychkina)

Moscow AgroEngineering University (Prof. Hudiakova)

Simulation game at MSU

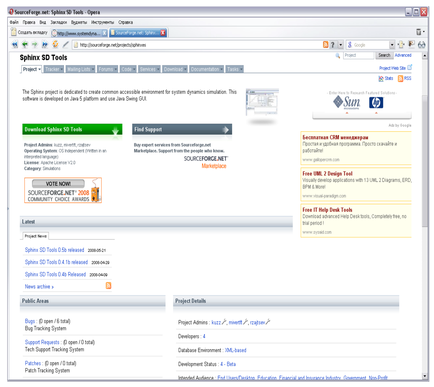
Activities at MSU

- Moscow State University hosted "**The Winter School on Simulation Games and Modelling**" in December of 2007. It was a very successful event attended by Russian and international participants. The goal of the winter school was to introduce participants to learning managerial processes through the use of simulation games. Also, the emphasis was made on demonstrating capabilities of simulation games in teaching. The full report is published on our website.
- 6th Conference on State Management in the 21st Century was held in May 2008. One of the conference threads was dedicated to simulation models and games for management of natural resources (coordinated by Prof. Kavtaradze).
- Translation into Russian of *Response* game. Simulation exercises with Russian-speaking students
- Creation and validation of *Coordination* game. This game is a continuation of two system dynamics models by Barry Richmond. The simulation was supported by the grant from Ministry of Science and Education. Project leader Prof. Kavtaradze.
- CoMPAS game competition: analysis of 400-500 of student projects
- Russian book on system dynamics is being prepared for publication by Katalevsky D. and Kruykov M.
- Senior research project in the field of system dynamics: 2008. Telenkova, Anna «Modern education methods for management of natural resources» Moscow State University. Faculty of State Management.

Sphinx SD Tools

The South Russia State Technical University

Sphinx SD Tools – freely distributed modeling environment based on system dynamics. The project started in the fall of 2007 and is realized with the use of sourceforge.net resources using Java 6 SE platform. Russian, English, Chinese, Spanish, Portuguese and Dutch versions are available.

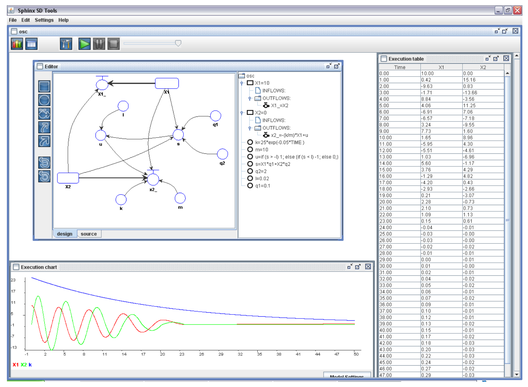


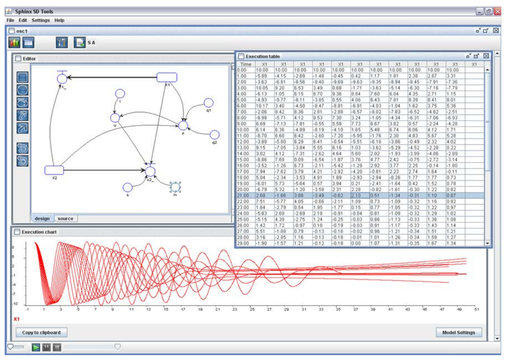
List of functions currently available:

- graphic model editor supporting Undo/Redo;
- text model editor based on XML;
- formula editor with graphic editor of table functions;
- visualization of modeling process;
- export of simulation modeling results;
- sensitivity analysis
- libraries of SD functions

Upcoming editions will include the following functionalities:

- integrated statistical analysis of simulation and sensitivity results;
- improved user interface;
- multi-dimensional modeling;





http://sourceforge.net/projects/sphinxes

Russian Blog on Systems Thinking

http://www.empatika.com/blog/

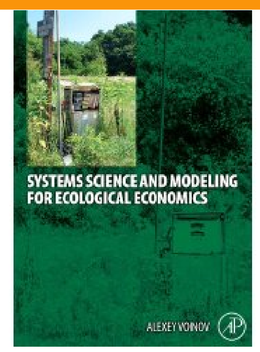
Coordinated by Bayram Annakov and Dmitry Linkov

Publications

Gorbunov, A. Lychkina N. 2007. Paradigms of simulation modeling: novelties in solving strategic management problems (aggregated logic of simulation modeling). *Business-Informatics 2: 60-66.*

Ryzhenkov, A. 2008. Supposing a control law of capital accumulation for the modern Italian economy. SDS 2008 Athens

Lychkina N. Simulation modeling of regions' social and economic development in decision support systems. For full text contact: lnn130159@mail.ru



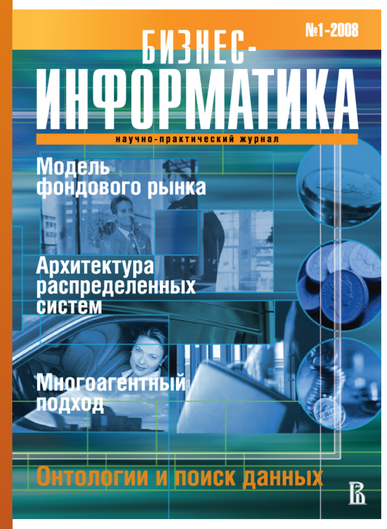
Hardcover
Available on Amazon.com

Work in Progress:

Lychkina N. Use of simulation models in supply chain management: logistic audit based on quantitative models.

Lychkina N. Complex of simulation models of regions' socio-economic development.

Lychkina N. Analysis, modelling and engineering of company's business-processes using modern simulation tools.



Business-Informatics Journal (BIJ)

is published by the High School of Economics (Moscow, Russia) which is an official partner of SDRus. This journal covers scientific aspects of IT industry and application of special methodologies in Management and Economics. BI editors are interested in well-informed and interesting materials on SD applications in Management and Economics including theoretical and methodological research in the field of system dynamics. All articles must be written in Russian and conform to the high publication and academic standards.

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SDRus Members Abroad

Dr. Oleg Pavlov (WPI, MA, USA)

Associate Professor of Economics and System Dynamics

Teaching System Dynamics

Prof. Leon Bazil (Stevens Institute of Technology, NJ, USA)

Teaching Modeling and Simulation Applications

Simulation Games

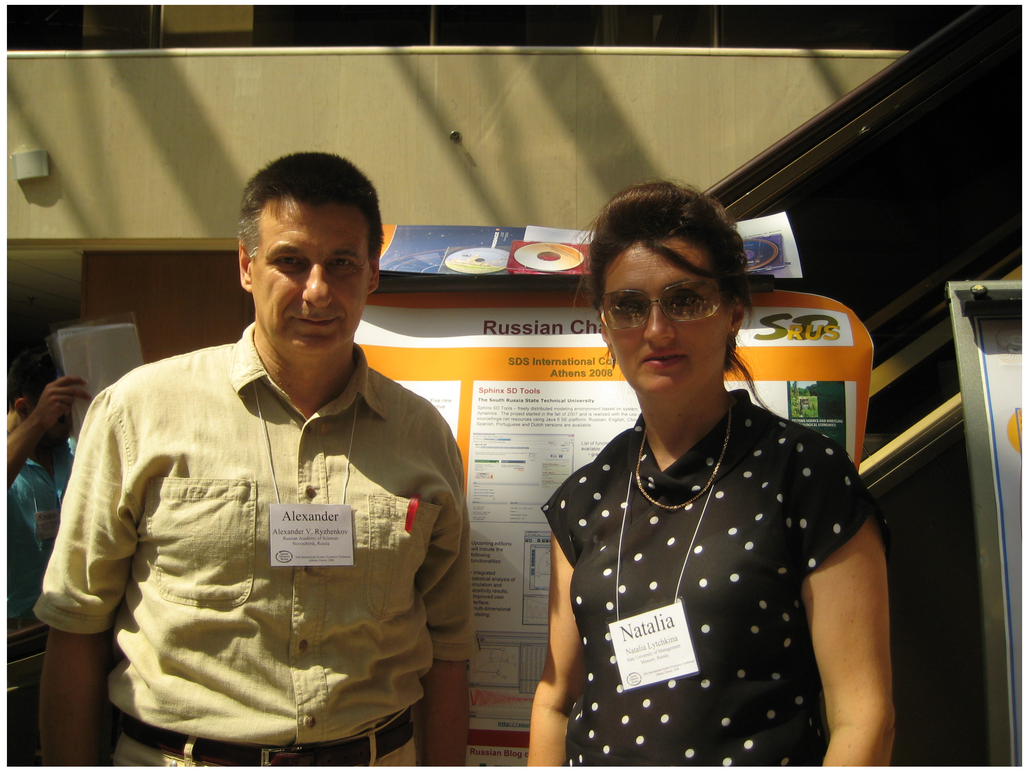
Dr. Leeza Osipenko (University of Warwick, UK)

Teaching Systems Thinking for Healthcare professionals at Warwick Medical School

Systems Thinking and Systems Dynamics – Pasantia Chilena – Spanish-language course for Medical professionals from Chile

xj technologies

www.systemdynamics-russia.org


Alexander
Alexander V. Ryzhenkov
Natalia
Natalia Lyaskina

Russian Chapter

AnyLogic 6
Any simulation approach
In any combination
On any platfrom
Agent-Based
System Dynamics
Discrete Event
Healthcare
Social Dynamics
Marketplace & Competition
Project Management
Logistics & Manufacturing
Supply Chain
Transportation
Business Processes
VAIO