

Virtual Workspace

Technology - Community - Services
for System Dynamics in Action

SRC Hamburg
Scientific Research & Consulting
Enno Bahlmann & Mathias Lintl OHG
Berliner Ufer 14, 20457 Hamburg, Germany
www.infosociety.de - info@infosociety.de

The collage displays various components of the SD-Portal virtual workspace, including video feeds of participants, system dynamics diagrams, data tables, and a network diagram titled 'Global Information Potential'. The interface is designed for collaborative learning and consulting in system dynamics.

Some driving forces

- **“Time to market” is getting shorter**
 - Global collaboration is extending and accelerating construction process of models
- **complexity of customer problems is increasing**
 - Integration of external experts can augment quality and efficiency in modeling processes
- **spatial separation of modelers and experts**
 - geographically disconnected groups of modelers can benefit from web based collaboration

Use of state of the art Information- and Communication Technology is crucial for sustainable success in Business & Science

Main Features of the Virtual Workspace


- **Application Sharing and Whiteboard**
 - enable team members to share live documents and applications with others allowing web based modeling
- **Voice & Video over IP**
 - for authentic real-time communication
- **Instant text messaging, chats and mailing lists**
 - to support multiple modes of interaction
- **Documentation of working sessions, document management, access to databases**
 - to support the workflow and management of ongoing projects

Prototype of the Virtual Workspace

SD Portal: Germans starting point for System Dynamics - Microsoft Internet Explorer


Adresse <http://www.sd-portal.com>

Hamburg, Germany
Tues, 19. Sept 2000 / 11:21:20 / UCT+2



Name: **Enno Bahlmann / SRC**
New York, USA

Thu, 19. Sept 2000 / 05:21:20 / UCT -4



Name: **Wolf Dieter Grossmann**

Related experts:

- [Elmar Jorgissen, Norway](#)

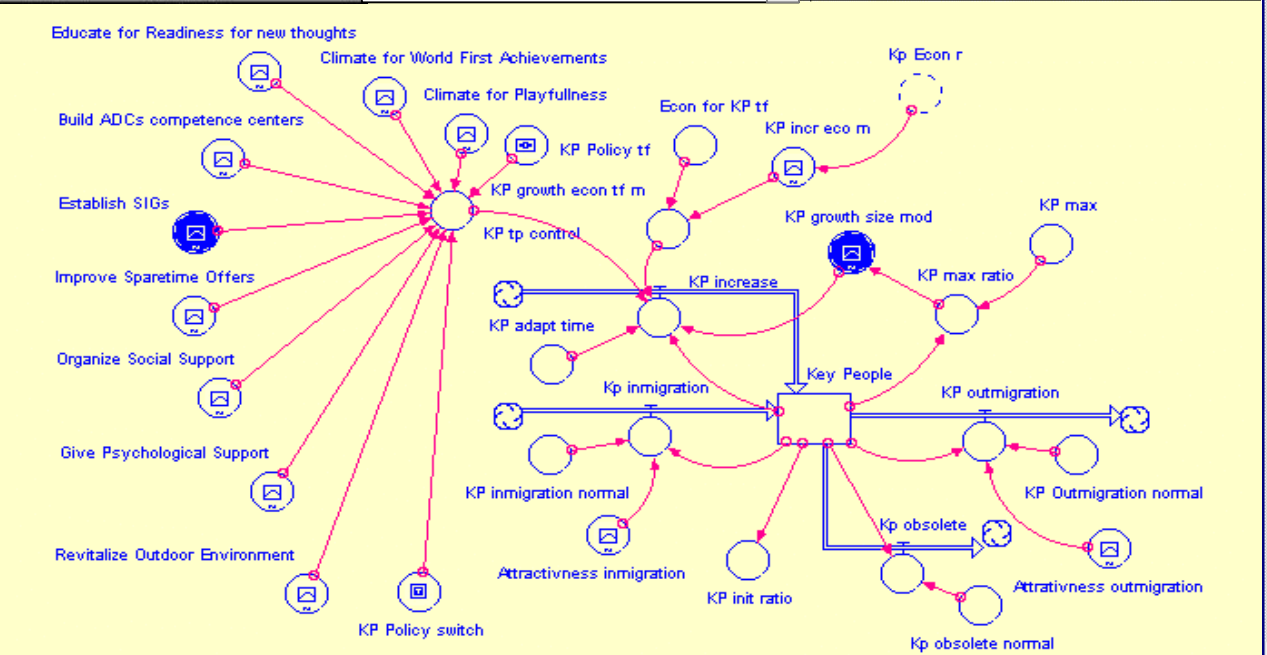
Documents

- Model description
 - Stocks
 - Agricultural machine in use
 - Agricultural machine out of use
 - Add new stock doc
 - Flows

Input	Output
0.000	1.220
0.100	1.610
0.200	1.800
0.300	1.870
0.400	1.890
0.500	1.780
0.600	1.520
0.700	0.570
0.800	0.210
0.900	0.059
1.000	0.000

Data Points: 11
Edit Output:

Educate for Readiness for new thoughts



Fertig Internet

Some Benefits

- **Authentic real-time collaboration with other modelers &**
 - Both will decrease travel costs and speed up modeling process
 - more satisfied customers because of continuous and immediate support
 - speed is a critical issue in dynamic Markets : on the fly integration in decision processes is necessary
- **long term relationships**
 - easy flexible, secure and reliable collaboration with external experts

Services

- **Support of Group Modeling**
 - The Virtual Workspace optimally supports the communication and workflow within large and distributed teams
- **Online Consulting**
 - Once a model has been implemented in the client's organization, modelers can support the ongoing use of the model via online Consulting
- **Online Learning**
 - Many people now have online access to training resources in System Dynamics. Application sharing and real-time communication via multipoint videoconferencing will enhance the speed and effectiveness of ICT based training.

Virtual Community

- **Integrating a Community of Practice and Interest**
 - to put System Dynamics into action
 - Communicate knowledge on System Dynamics to a wider public
- **Additional Features**
 - discussion groups
 - news and mailing lists
 - live videochats with experts
 - modeling contests
 - public model pool
 - user-to-user (technical) support

Virtual Community

SRC

System Dynamics in Action

Impressions of the 1st SD Contest in Germany

Movies, pictures & more >>>



community

Learning System Dynamic

Scientific Research
and Consulting
Hamburg

INTRO INFOS

general
learning
business
hot stuff

MODELS

topic
author
complexity

SOFTWARE

Free download
tests
ranking

Search

Quick Search

[Mail to webmaster](#)
[Company Info](#)
[Copyright Policy](#)
Copyright © 2001

Dates

[More dates](#)

Attention: Registration deadline June, 30th, 2001

for the Fifth International Conference on Technology in Mathematics Teaching (ICTMT5), University of Klagenfurt; Aug 6-9, 2000. [...](#)

Live & Events

[More events](#)

Wednesday, 25 Mai 2001, 20-23.00

Dr. Wolf Dieter Grossmann
Environmental Research Center
Leipzig-Halle
**Metropolitan area of Hamburg:
Land use and New Economy**
[subscribe here](#)



News & Data

[More news](#)

Germany: Index of prices in wholesale trade in April 2001

As reported by the Federal Statistical Office, the index of selling prices in wholesale trade in April 2001 was 4.1% up from [....](#)

Germany: Sales of beer in the first quarter of 2001

The beer producing and storing establishments in Germany sold 23.0 mn hl of beer in the first quarter of 2001 [....](#)

USA: Nation's Median Age Highest Ever,

But 65-and-Over Population's Growth Lags, Census 2000 Shows
The median age of the U.S. population in 2000 was 35.3 years, the highest it has ever been. [....](#)

[Today](#) - [this week](#) - [search](#)

Subscribe to SD-Newsletter?

Choose one or more topics


- | | |
|--|-------------------------------------|
| <input type="checkbox"/> Economy | <input type="checkbox"/> Population |
| <input type="checkbox"/> Social | <input type="checkbox"/> Physics |
| <input type="checkbox"/> social-economic | <input type="checkbox"/> Biology |
| <input type="checkbox"/> Marketing | <input type="checkbox"/> Ecology |

Other topic

GO



Forrest and Milkproduction in Germany

 made by HD Kasperidus
real-time movie & comments

Join the SD Community

member

guest

Free tour



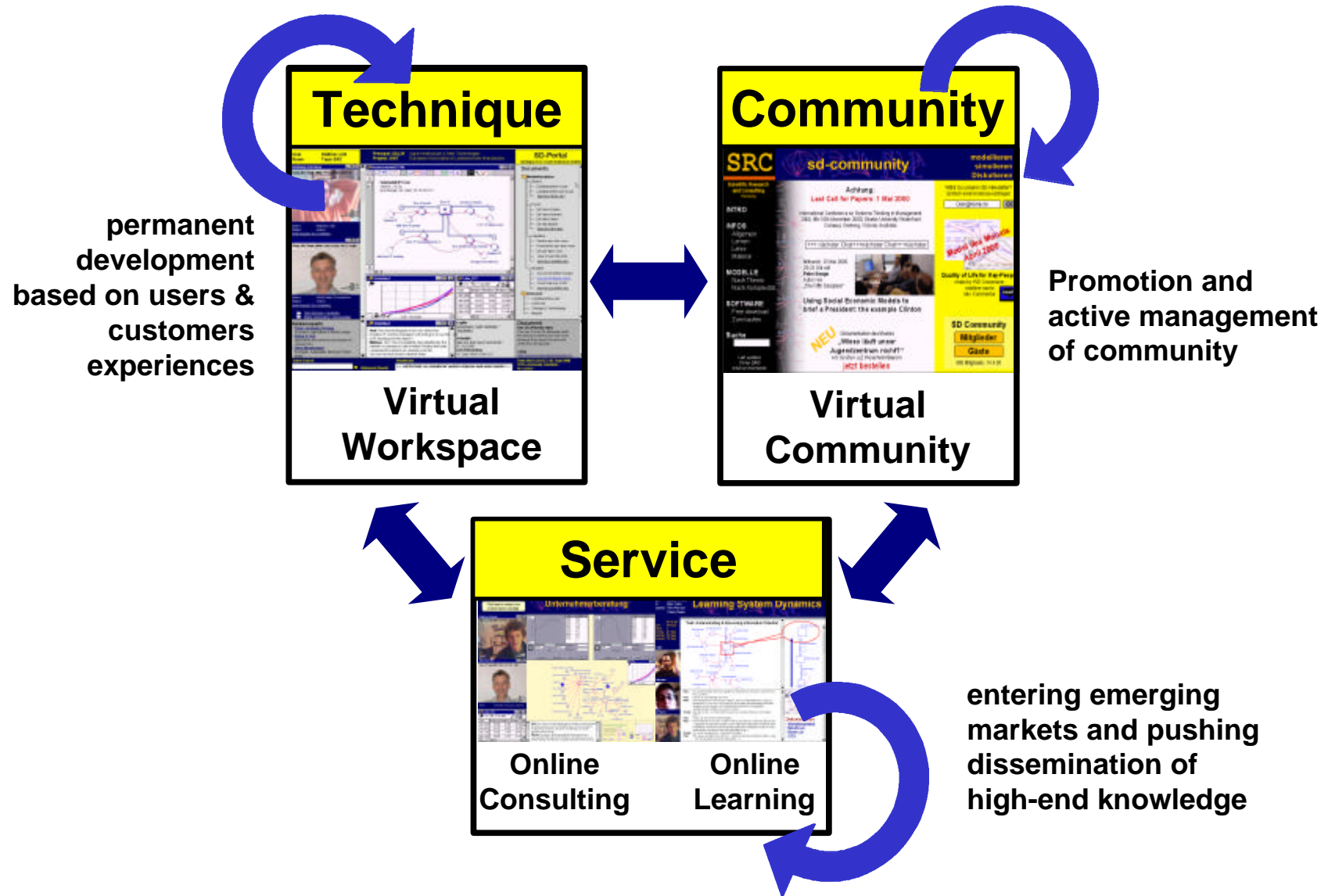
New member:
[Dr. Rosa Miller](#)

SRC Hamburg, Germany - Virtual Workspace - SDS Conference 2001 - www.sd-portal.com

Why a community is of high relevance

- **System Dynamics is not well known in German speaking countries**
 - Community brings together people of various disciplines to create a critical mass
 - Community helps active users to improve their skills faster
 - Community management promotes SD to those who might be attracted (students, Consultants)
- **“market transparency”**
 - Customers can share experiences with other customers that work with SD
 - Choice which modeler to hire is easier, expensive failure are banned.

Cross-catalytical benefits



Release

Mid 2001

Groupware	Prototype for scientific institutes / groups of research centers
Video-conferencing	
Community	

Begin 2002

Content management system	Later release for Consulting, Services & Business Dynamics
Security	
Billing	
Application Service Providing	

Outlook: what may come

- International modeler teams at 24/7
- Discussing and building models in 3-D Virtual reality environment
- Merging of learning, training & working
- Importance of corporate universities increases
- Importance of traditional Consulting companies decreases due to lack of knowledge & speed
- More specialization, e.g. multimedia features (“attractive stories”)
- Simulation of complete business activities by integration of SD in ERP & controlling,.....
- Agreement and constitution of database with highly reliable and fundamental data