SimLab™

Accelerator of business process innovation at HUT, Information Networks, and TML

- **SimLab™ Multidisciplinary Research Unit**
  - Research projects in innovation and learning
  - Business processes and business models
  - Inter-company processes, e-Business, e-Learning
  - Virtual learning space and methods of SimLab™

- **SimLab™ Business Process Fitness Centre**
  - Company projects for process development and training

- Staff: prof. Riitta Smeds, 14 full time researchers

13.3.2003
Research objectives

Dual objectives:

- Practical objective: to support the development of companies towards competitive processes, strategies and business models

- Scientific objective: develop and accumulate New knowledge about collaborative innovation and learning in the emerging e-business networks
Current projects

- **R&D Net**
  - Networked R&D process innovations in Telecommunications
- **Helmi**
  - Holistic e-Learning and Business Models
- **Espoo e-services**
- **Brocom subproject**
  - Business analyses and scenarios in telecommunications

**Funding from**
- Academy of Finland
- TEKES
- Companies and public organizations
International collaboration

- IFIP WG 5.7 Integrated Manufacturing
  - IFIP WG 5.7 Special Interest Group on Experimental Interactive Learning
- Continuous Innovation Network CINet
- Learningspace
- Interlearn
- ...

13.3.2003
Riitta Smeds | SimLab™ | HUT
Participant SimLab™ business process simulations as development intervention for
- selected e-business projects
- their value chains and business models

Constructive research approach
- Action research in the case projects
- Comparative case research
- Longitudinal follow-up studies
- Surveys

Multidisciplinary research
- Business process networks, Management science, Computer science, Education, Social Psychology

Theory building empirical research (rather than theory testing)
The SimLab™ Business Process Simulation

- Analysis and mapping of the process
- Structured and directed process discussion with case project examples
- Visualization
- Participation: whole personnel involved
- From tacit to explicit knowledge
- Knowledge sharing and creation
Examples of research topics in SimLab projects

- Process learning in inter-company R&D
- Management of e-process innovations
- Business models in telecommunications
- Multi-level customer relationships in e-service provisioning in public and private organizations
- Development towards e-Learning culture in educational institutions
- Changing roles of the teachers/facilitators in e-Learning
- ...
Typical publications

- Papers in Conference Proceedings
  - e.g. CINet 2002 Continuous Innovation in Business Processes and Networks, (660 p.), editor: R. Smeds

- Journal articles in e.g. following journals
  - Knowledge and Process Management - The Journal of Corporate Transformation KPM
  - Production Planning and Control PPC
  - International Journal of Technology Management IJTM
  - Interated Manufacturing Systems IMS
  - ...

- HUT SimLab Publications
  - Dissertation series
  - Report series
  - Teaching material series
  - Working papers
SimLab on the Web

http://www.simlab.hut.fi