



**Leibniz  
Gemeinschaft**



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### **Short description of EU-funded research projects at ZALF**

Acronym: e-LUP

Title: Simulating land use processes – an interactive e-tool for SIA

Type: STREP, FP6

Duration: 2005-2009

Budget: 1.5 M€

Coordinator: Dr. Mikael Pihlström, HELSINGIN YLIOPISTO (FI)

ZALF-involvement: Dr. Katharina Helming, Dr. Karen Tscherning, Dr. Bettina König

**Abstract:** The overall objective is to train in the use of sustainable impact assessment in EU and Russia, especially in issues concerning land use such as forests, agricultural landscapes, water environments and built-up areas through the development of an innovative and interactive e-tool for multiple end users. This freeware product will be based on simulations of advanced dynamic models, incorporated into a multimedia presentation in parallel English/Russian. The e-tool will be developed based on case studies on Eurasian sites from Holland to Siberia, and within an infrastructure of Universities, research organisations, administrations, students and stakeholders, within this large area. The project has four distinct phases (i) case studies on ecosystem biogeochemistry, pollution effects, biodiversity, eco-technosystems, multifunctional agriculture, sustainable building etc., (ii) dynamic models and incorporating them into an interactive visualization software, (iii) combining simulations, text, videos and graphics into a e-textbook, (iv) testing of the e-tool/e-textbook by policy makers (including EC staff) and stakeholders.