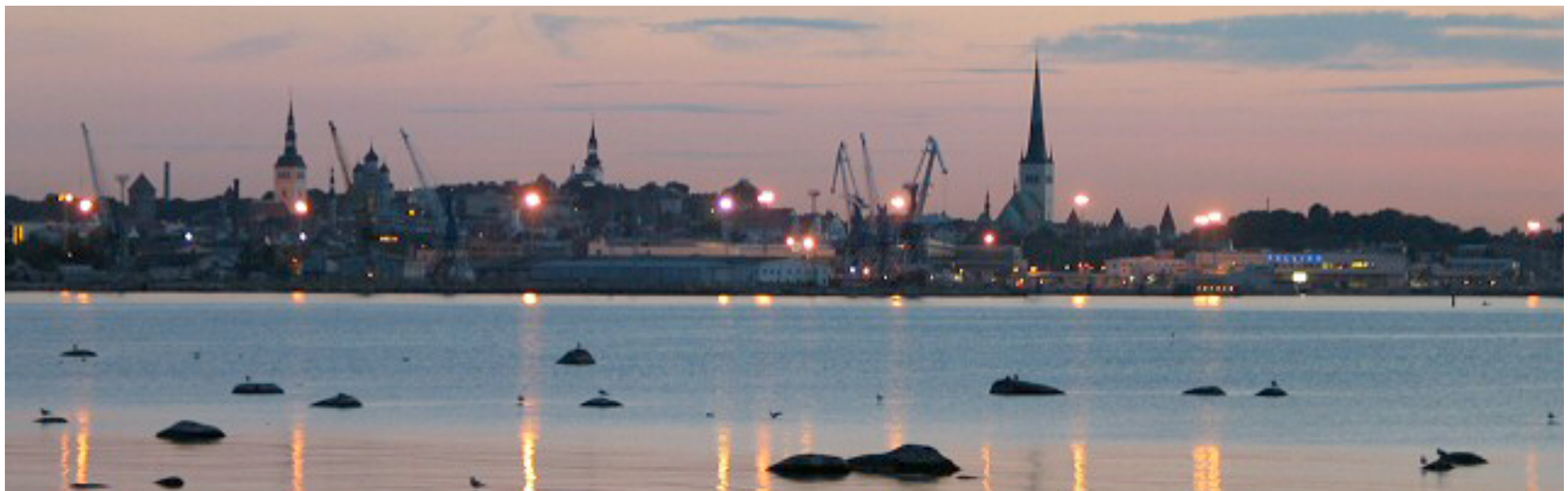


# E-learning support services and R&D projects in Tallinn University

**Mart Laanpere** ([mart.laanpere@tlu.ee](mailto:mart.laanpere@tlu.ee))  
Centre for Educational Technology ([www.htk.tlu.ee](http://www.htk.tlu.ee))  
Tallinn University ([www.tlu.ee](http://www.tlu.ee))



# Roadmap for my presentation

- Introducing Tallinn University and CET
- Learning support services in TLU
- Organisational structure
- R&D projects in learning technology
- IVA: a pedagogically biased LMS
- Underlying 3C-model by DH Jonassen
- Future plans and possible cooperation

# Introducing Tallinn University

- Young university (2005), based on Teacher Education Institute (1918)
- Third largest public university: 7000 students, 400 staff
- 6 faculties: Fine Arts, Educational Sciences, Physical Education, Philology, Mathematics and Natural Sciences, Social Sciences
- 2 academic and 4 research institutes, 2 regional colleges, Baltic Film and Media School
- Centre for Educational Technology: est. 1997 in the Faculty of Education, moved to Open University in 2002 and to Dept. of Informatics in 2006
- Staff: 15 persons, incl 5 researchers and 4 programmers

# Learning Support services in TLU

- ICT infrastructure: computer labs, wireless network, single sign-in for Web services (e-mail, WWW, SIS, portals)
- Videoconference services
- E-learning support (course design, learning materials development)
- Staff training

# Organisational structure

- IT Dept: IT infrastructure & services
- E-learning support unit within ITD: IVA support, course design, videokonferences
- Centre for Educational Technology: project management, R&D (incl. IVA development)
- Plan: educational technologists, e-learning support persons and tutors to departments
- Estonian e-university: consortium of 8 universities, joint R&D projects financed by ESF and Minerva, sponsoring new e-courses and materials

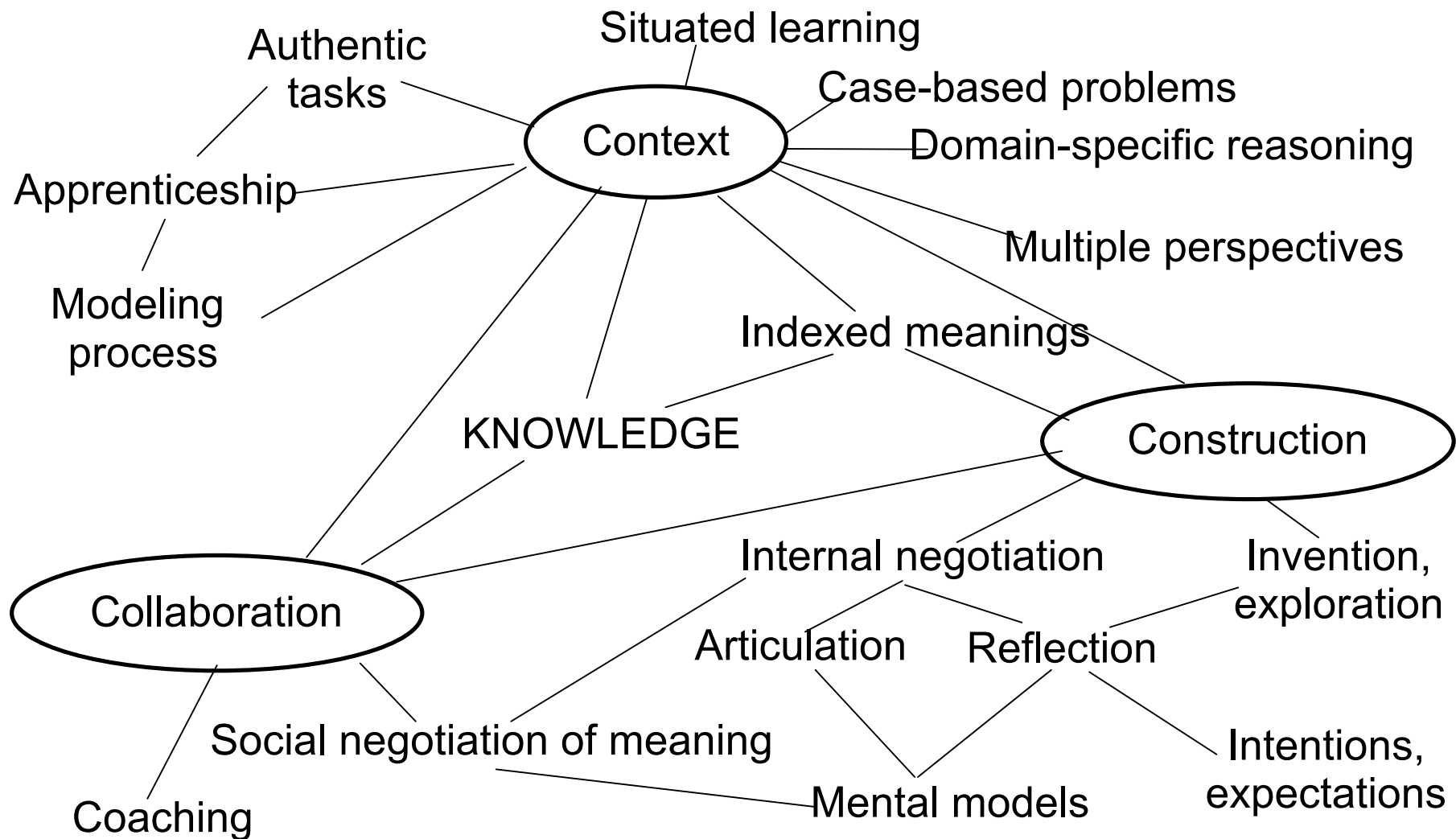
# R&D projects in e-learning

- ESF: REDEL, E-portfolio in teacher education, Curriculum development, Accreditation of prior learning and skills
- FW 6 IST: iCamp, Calibrate
- Minerva: UNIVe, B-learn
- Erasmus: EUDORA doctoral school
- Comenius: Comp@ct network
- Grants from Estonian Science Foundation
- Projects in Georgia and Central Asia

# IVA: a “pedagogically biased” LMS

- Open source, free software, developed in TPU as a derivate of Finnish LMS called FLE3
- Intuitive user interface (metaphors)
- pedagogically non-neutral (social constructivist) foundation, based on Jonassen’s 3C model
  - meaningful and authentic **Context** for learning
  - tools, support, time and space for personal knowledge **Construction**
  - support for **Collaboration** and group reflection and production

# Jonassen's 3C model

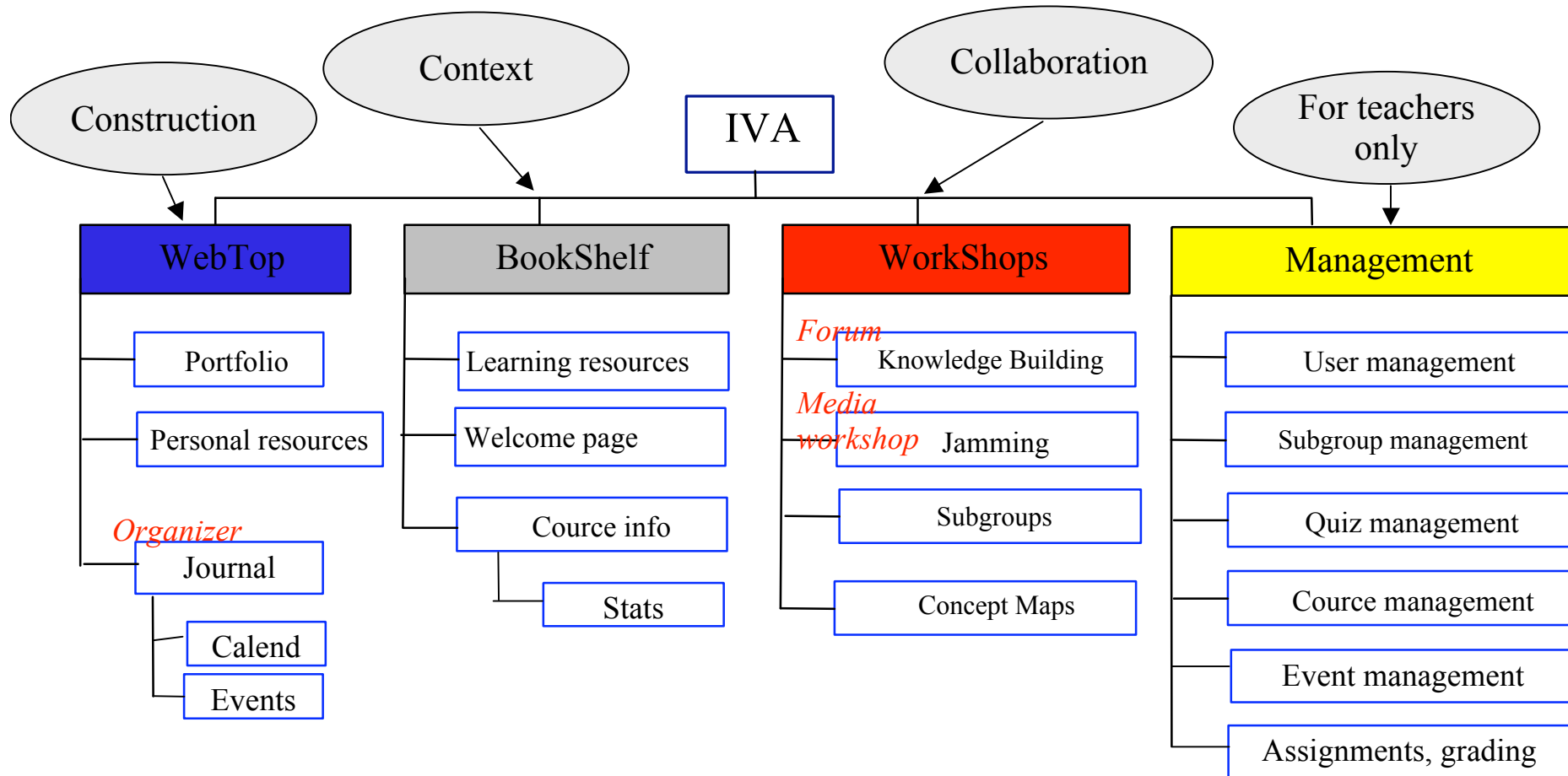




# Three main sections of IVA

- **Bookshelf**, a space and tools for providing context for meaningful learning;
- **Webtop**, a space and tools for personal knowledge construction and reflection;
- **Workshops**, a space and tools for student collaboration and group communication.

# The structure of IVA



# Future plans and cooperation

- Joint international PhD school in educational technology
- PhD summer school (associated with EERA)
- New research projects: FW7 2007-2013
- Cooperation with CARNet and Croatian universities: E-learning Academy, CEENet workshops, visiting national conferences
- Joint research project focusing on staff training, quality management and support in e-learning
- iCamp and Blearn dissemination in Croatia