Proseminar SS11

“Awareness tools”
What applications provide awareness by using shared displays?
**MIDDesktop** (Shoemaker & Inkpen)

*Figure 1. Screenshot of MIDDesktop with 3 mice.*

Source: [1]
KidPad (Hourcade, Bederson, Taxen & Druin, 2002)

Figure 1: KidPad with all three toolboxes open. Source: [2]
Group Scribbles (SRI International's Center for Technology in Learning, 2006)
What applications provide awareness by integrating awareness tools in private workspaces?
GroupKit (GroupLab, University of Calgary, 1992)

Figure 3. Multiple cursors in a group sketchpad

Figure 4. Two student’s views into a peer writing session, showing semantic cursors and multi-user scroll bars.

Source: [4]
Shared Desktop Media Item (GroupLab, University of Calgary, 2006)

Source: [5]
Shared Desktop Media Item (GroupLab, University of Calgary, 2006)

Source: [6]
Shared Desktop Media Item  (GroupLab, University of Calgary, 2006)

A. Blurring with a low level of clarity

B. Pixelization with a medium level of clarity

Source: [5]
EDUCO (2002)

Fig. 1. The user interface of EDUCO.

Source: [7]
**EDUCO (2002)**

*Fig. 2.* The “map” and “chat” views of EDUCO.

*Fig. 3.* The “search” and “alarm” views of EDUCO.

Source: [7]
EDUCO (2002)

Fig. 4. The “preferences” and “help” views of EDUCO.

Source: [7]
What are benefits and drawbacks of both approaches?
Shared Display:

+ Richer communication
+ Children are under better control
+ Developing a learning community
+ One Display -> Feeling of reaching the goal together

- Users have to be on location
- Number of participants is limited
- Distraction
Awareness Tools:

+ For all kinds of programs
+ Accessible from everywhere
+ Number of students is unlimited

- Privacy has to be taken care of
- Reduces the communication
- Certain actions are slow and clumsy
- Participation of students is doubtful
- Problems with synchronizing discussions
Thank you for your attention!
Sources:

Pictures:


Sources:

Further sources (most of the picture sources also used for content):

- Giedre Kligyte, Teemu Leinonen, D3.1 Study of functionality and interfaces of existing CSCL/CSCW systems (2001)