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Finnish teachers and pupils as users of ICT.

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Summary: The main task of this follow-up study was to describe teachers' expectations, experiences and possible changes in the pedagogical use of ICT. As a part of an ICT development project, three sets of data were gathered from a region in Eastern Finland, by means of questionnaire. A total of 156 teachers of primary and early secondary education returned the questionnaire in 1999, 155 teachers in 2001, and 81 in 2004. The results indicate that teachers have increased their use of various ICT applications (especially data processors, web-browsers, e-mails, and CD-ROMs) both in their private lives and in pedagogical practice. Based on their own self-assessment, the teachers' ICT abilities have improved during the project period. Co-operative activities by means of ICT also increased between colleagues. Although teachers saw ICT as helpful for pupils' learning, some sceptical attitudes emerged as well.

Classification: R32 R33 U72 U73 C29

Keywords: information and communication technology (ICT); pedagogical use of ICT; teaching and learning; primary education; early secondary education; teacher attitudes; questionnaire