

Dissertation

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Research Group Collaboration Using Information and Communication Technology:
Situation in Selected Groups in the Czech Republic

Abstract

The dissertation deals with collaboration within research groups and with their environment using information and communication technology. A qualitative probe research was conducted to see how the collaboration works, at what levels, what kind of information and data is shared with the use of what software tools and services. An overview of available types of collaboration software was made. Semi-structured interviews were conducted in selected research groups on the basis of which the patterns and tools for collaboration were established. The grounded theory method was chosen to process the data collected from interviews and analyses. The result of the thesis is the research cycle with marked activities in which cooperation is taking place in the studied groups. This documents the state of usage of information and communication technology in research collaboration. It was found that information and communication technology does have an impact on research work in the whole scientific cycle in the studied research groups.

Keywords: research groups, e-science, e-research, ICT technology, collaboration