

Institute for Research in Open-, Distance- and eLearning (IFeL)

Fields of research – Distance Learning & eLearning

The research group on distance learning and eLearning focuses on researching and establishing digital learning scenarios in youth and adult education. We concentrate in particular on the following fields of research: self-regulated learning, adaptive learning, mobile learning and learning usability.

Fields of Research - eCollaboration

Establishing eCollaboration at the FFHS: this is the mission of the eCollaboration team. Our contribution to positioning the FFHS as an e-university revolves around the following fields of research: new worlds of work for knowledge work, serious games and storytelling in working and learning.

Projects in Distance Learning & eLearning

We combine the results of our research and development work and are used to analysing learning processes in broader contexts and on an experimental basis. Our activities prioritise the connection between learning and learning environments.

- **Project ALMoo / Adaptive Learning with Moodle:** as part of the 'Adaptive Learning with Moodle' project, the needs and learning behaviours of distance learning students are identified and analysed. The results are incorporated into the design and organisation of the Moodle learning environment.
- **Project MobiLER / Mobile LERn-environment:** the primary goal of the MobiLER project is to develop a mobile learning environment for the course at the FFHS. The FFHS undertakes controlled distribution of interactive e-books, further develops online exercises and course material in the LMS Moodle and integrates this with classroom exercises and online meetings.
- **Project KoLeR / Cognitive Load and Emotional Reaction in eLearning and eReading:** As part of the KoLeR project, we seek to discover the influence of emotions on learning and reading using digital devices with the goal of finding out how to optimise appropriate learning environments. Emotional reactions in particular determine the appraisal or relevance of different components of learning environments (e.g. learning material). The limited capacity of working memory is one of the crucial elements in fostering or hindering the learning process.
- **ICILS / International Computer and Information Literacy Study:** ICILS is the first international study for computer and information competence with the aim of researching how well prepared students are for life in the current knowledge society.

Projects - eCollaboration

eCollaboration for us means: the simultaneous processing of the same task in a web-based, coordinated group process, enabling learning and collaboration over a distance. As part of our research activities, we collate findings about eCollaboration and transmit these both to the internal eCo-Services and to external companies and organisations through consulting projects. We are happy to present a selection of our projects in the research and services field.

- **Storytelling for Teaching Mathematics (SOFTt):** an internal FFHS project, aiming to support the teaching and learning of scientific learning subjects at higher education institutions with the aid of storytelling.
- **VIS 2013:** this half-day online conference took place on 21 November 2013 via SWITCHinteract and addressed e-learning experts, teachers, students, stakeholders and people who interested in the topic of 'Learning with Stories in Education and Business'.
- **WIRA CoP:** the conceptualisation, development and support of a distributed Community of Practice (CoP) in order to support collaborative knowledge management in the field of the registration of medical products between the independent national organisations.
- **Working environment - Campus FFHS:** as part of the development of a new campus building in Brig, this project focuses on ensuring optimal design of the working environment, taking account of the latest discoveries in work research and the individual requirements of employees.
- **Ideas management at the FFHS:** A collaborative online ideas management system which enables the virtual, participatory cultivation of ideas at the FFHS. Employees can submit their suggestions via the ideas management system and these proposed ideas are then further developed and specified by collaborative ideas teams.
- **[Solar Impulse Crowd Story 2015:](#)** the aim is to give interested parties an opportunity to share the fascination of the Solar Impulse by creating a modern version of Verne's novel 'Around the World in Eighty Days' through collaboration.
- **Solution Finder Model:** A method for organising and systematising statements. An overview of requirements, goals and proposed solutions is clearly established on a map. This can then be used in moderated brainstorming sessions and discussions as well as in online forums.

Publications – Distance Learning & eLearning

- Articles in specialist magazines
- Conference contributions and proceedings
- Books and chapters of books
- Further publications

[Publications - eCollaboration](#)

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[Team – pictures and links to online profiles](#)