

Chapter 4

Eportfolios and Open Badges for Open Recognition of Lifelong Learning Outcomes

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ABSTRACT

The Chapter presents strategies for training Masters of Education students for the development of digital ecosystems in the open educational environment of Yenisei Siberia with the use of e-portfolio and Open Badges technologies through a special electronic course for students of blended learning model. The preliminary results obtained by the authors based on a Google-survey showed that students demonstrated a high level of satisfaction with learning using e-portfolio and Open Badges technologies in the multicultural digital environment of the Siberian region. This Chapter describes the experience of the School of Education, Psychology, and Sociology in use of e-portfolio technology in the evaluation of educational outcomes, reflection, professional development in the lifelong learning process of future teachers, and the introduction of Open Badges integrated with e-portfolio in the teachers' training course for Bachelor and Master's students.

INTRODUCTION

Nowadays e-portfolio is a powerful pedagogical technology for formal and informal education system in the concept of lifelong learning.

There are three key ideas of the strategy of contributing to the open ecosystems. The first is engaging students in the modern digital environment by using e-learning and MOOCs. The second is expansion and opening borders by the methodology of open recognition of the learning outcomes. It involves build-

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ing trust and digital identity to empower and support students' engagement. The third is introducing the e-portfolio and Open Badges technologies to students through the special course in Master's curriculum.

Siberian Federal University is a modern Centre of Excellence in innovation and technology. Development of digital learning environment is a priority for the University. E-portfolio is a vital component of it. It is represented by the resources:

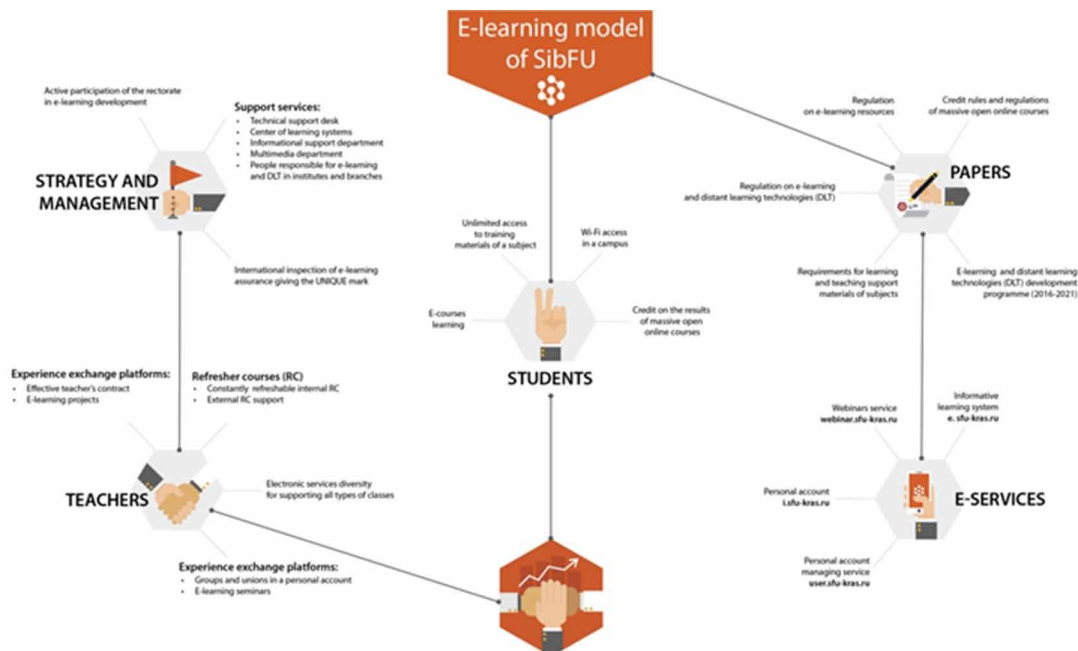
- e-courses in the LMS Moodle [<https://e.sfu-kras.ru/login/index.php>]
- personal students' e-portfolios [<https://i.sfu-kras.ru>];
- massive open online courses (MOOCs);
- students' personal profiles [<https://i.sfu-kras.ru>];
- webinars and video conferences service [<https://webinar.sfu-kras.ru>].

The scheme presents the current e-learning model of SibFU. It includes the actors of teaching-learning process, supported by e-services and connected by various strategies of online communication, assessment and feedback. Professors, implementing the e-courses, get financial bonus from the University administration (Figure 1).

E-portfolio is a powerful pedagogical technology for formal and informal education in the concept of lifelong learning. It is particularly important in the training of our students - future teachers, since the teaching profession requires permanent reflection, personal and professional development.

Figure 1. E-learning model of SibFU

Source: <http://edu.sfu-kras.ru/elearning?page=3>.



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