


WikiSkills

Empowering and fostering social, professional, cultural and civic skills through pedagogical use of Wiki technologies and methodologies.

D8.2 – Report on Evaluation Data

Work Package:	8
Task No:	8.2
Task Responsible:	University of Barcelona / UB
Version N°	2
Authors:	Mario Barajas, Frédérique Frossard
Contributors:	All partners
Due date of deliverable:	15/10/2013
Actual submission date:	15/10/2013

Version	Date	Authors	Changes	Pages		
				Changed	Added	Deleted
2.0	20/09/13	Mario Barajas, Frédérique Frossard	N/A	N/A	N/A	N/A

	<p>Lifelong Learning Programme</p>	<p>This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.</p>
---	------------------------------------	--

Summary

WikiSkills is a European project aiming to analyse and apply the benefits of adopting a wiki-culture to promote lifelong learning opportunities. The project developed and implemented an innovative training curriculum focusing on how to make the best use of wiki environments in educational settings.

Within the project, Work Package 8 (WP8 – Evaluation) aims to validate the approach of the project (i.e. the use of wiki environments to promote lifelong learning opportunities), by evaluating its impact on different learning communities across Europe. During the first year of the project, the consortium defined the WikiSkills Evaluation Framework (Deliverable 8.1), which identified a set of tools and procedures for validating the project approach and impact. It comprises questionnaires, interviews, and the quantitative analysis of the online platforms used in the context of the project implementation.

Deliverable 8.2 - Report on Evaluation Data, aims to bring together the data collected by the WikiSkills partners as they applied the procedures and instruments defined in D8.1. It presents data related to the different evaluation dimensions addressed by the project, namely wiki-key competences, collaborative learning processes, learning scenarios, virtual communities of practice, and the impact. This data will be further analysed in D8.3 - Evaluation Analysis Report.

TABLE OF CONTENTS

INTRODUCTION	5
1. OVERVIEW OF THE WIKISKILLS EVALUATION APPROACH	6
1.1. Wiki key competences (including collaborative learning processes)	7
1.2. Learning scenarios	8
1.3. Virtual communities of practice	8
1.4. Project impact	8
2. IMPLEMENTATION OF THE EVALUATION FRAMEWORK.....	9
CONCLUSIONS.....	10

INTRODUCTION

WikiSkills - Empowering and fostering social, professional, cultural and civic skills through pedagogical use of wiki technologies and methodologies - is a European project (Lifelong Learning Programme, KA3, 2012-2013) aiming to analyse and apply the benefits of adopting a wiki-culture to promote lifelong learning opportunities. The project developed and implemented an innovative training curriculum focusing on how to make the best use of wiki environments in educational settings. During training workshops conducted in all the project countries, teachers and trainers from different educational sectors and levels (Comenius, Erasmus, Leonardo da Vinci and Grundtvig) learnt how to use and apply wiki environments in their teaching contexts.

Within the project, Work Package 8 (WP8 – Evaluation) aims to validate the approach of the project (i.e. the use of wiki environments to promote lifelong learning opportunities), by evaluating its impact on different learning communities across Europe. During the first year of the project, the consortium defined the WikiSkills Evaluation Framework (Deliverable 8.1), which identifies different evaluation dimensions, as well as proposes corresponding evaluation instruments and procedures. It comprises questionnaires, interviews, and the quantitative analysis of the online platforms used in the context of the project implementation.

On this basis, Task 8.2 (Data Collection) consisted, for each of the WikiSkills partners, of applying the procedures and tools designed in D8.1, in order to collect relevant useful information from all participants who participated in the training workshops.

Deliverable 8.2 (Report on Evaluation Data) brings together the data collected by partners. It first presents an overview of the WikiSkills evaluation framework, i.e. the different dimensions explored through the evaluation approach, as well as the corresponding data collection procedures and instruments. Afterwards, it describes the implementation of the evaluation framework, by synthesizing the data collected by the project partners, i.e. Yinternet.org (YORG) and HEIG-VD, DieBerater, EllinoGermaniki Agogi (EA), University of Barcelona (UB), MacTeam, CESGA and Wikimedia.se. Data collected by each partner were gathered in local reports, which are available in Annexes.

1. OVERVIEW OF THE WIKISKILLS EVALUATION APPROACH

This section aims to present the evaluation approach adopted in WikiSkills, i.e. the different dimensions evaluated and the instruments used with this objective (i.e. questionnaires, interviews, and quantitative analysis of the online platforms' activity).

In order to assess the implementation of the WikiSkills project, the following dimensions were examined:

- *Wiki-key competences*: the potential of the WikiSkills approach to foster wiki key competences;
- *Collaborative learning processes*: the opportunities for collaborative learning offered by the project approach (this dimension was evaluated merged with the first one);
- *Learning scenarios*: the relevance of the wiki-based learning scenarios designed in the context of the project;
- *Virtual communities of practice*: the opportunities offered by the WikiSkills approach to support the creation of sustainable virtual communities of practice;
- *Impact*: the effects of the project on participants in terms of change in knowledge, attitudes and behaviours.

In order to explore these dimensions, the following data collection instruments were employed:

- *A pre-questionnaire*: this questionnaire was answered by the training participants at the beginning of the project implementation. It consisted of 18 items, and aimed to collect their opinion towards the different wiki key competences.
- *Post-questionnaire*: this questionnaire was answered by the training participants at the end of the project implementation. It consisted of 28 items, and aimed to collect their opinion towards the development of the wiki key competences.
- *In-depth interviews*: semi-structured interviews were conducted with participants at the end of the project implementation. The interview protocol consisted of 13 questions related to the wiki-key competences, collaborative learning processes, virtual communities of practice and the project impact.
- *Expert evaluation*: this instrument consisted of a Likert scale to be completed by experts in the field of wikis and education, in order to evaluate the relevance of the wiki-based learning scenarios designed in the context of the project
- *Statistics from the online platform*: the quantitative analysis of the online platforms used in the context of WikiSkills allowed for the technical evaluation of the project.

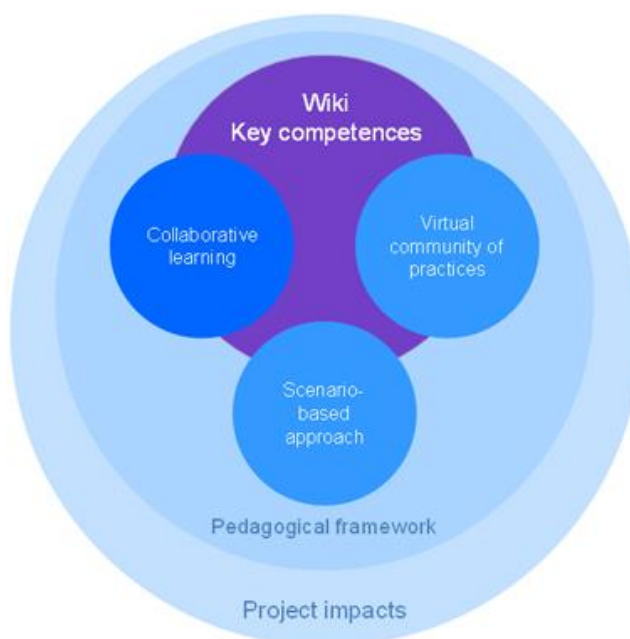


Figure 2: Dimension to be evaluated.

Figure 1 illustrates the dimensions examined through the WikiSkills evaluation approach. The next sections describe each of them in more details.

1.1. WIKI KEY COMPETENCES (INCLUDING COLLABORATIVE LEARNING PROCESSES)

The WikiSkills Pedagogical Framework (D2.3) defined a set of 10 wiki key competences, i.e. competences which can be fostered by the adoption of the wiki culture. This dimension analyses to what extent the project implementation promoted the development of these competences. Furthermore, it examines the opportunities for collaborative learning offered by the project.

The dimension addresses the following questions:

- *Question 1:* Does the WikiSkills project enhance wiki-key competences?
- *Question 2:* How do wiki-based learning scenarios enhance collaborative learning processes?

To look at this dimension, the following instruments were used:

- *Pre and post questionnaires:* the teachers and trainers who participated in the project answered two questionnaires, i.e. one at the beginning (pre), and one at the end (post) of the implementation. Questions were related to the development of wiki-key competences.
- *In-depth interviews:* three questions from the interview protocol addressed wiki key competences and collaborative learning.
- *Statistics from the on-line platforms:* the analysis online platforms used during the project implementation may bring useful information to identify the opportunities offered by the WikiSkills approach to develop some of the wiki key competences, and to promote collaborative learning.

1.2. LEARNING SCENARIOS

This dimension examined the relevance of the wiki-based learning scenarios created by teachers and trainers, according to several criteria, i.e. their connection to the curriculum, the adaptation of the pedagogical objectives to the profile of the group of students, the integration of the wiki in the planning of the educational activity, the detailed planning of the pedagogical evaluation of students, the planning of the necessary resources to conduct the educational activity, and their sustainability.

The dimension addresses the following question:

- *Question 3:* Are the scenarios developed adapted to their contexts of use?

To look at this dimension, the following instruments were used:

- *Expert evaluation:* the Likert scale, to be completed by experts in the field of wiki and education, enabled to assess the relevance of the wiki-based learning scenarios, according to the criteria described above.

1.3. VIRTUAL COMMUNITIES OF PRACTICE

This dimension looked at the opportunities offered by the project to create virtual communities of practice, i.e. groups of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly, by the mean of technologies.

The dimension addresses the following question:

- *Question 4:* Does the project enhance the creation of sustainable communities of practice?

To look at this dimension, the following instruments were used:

- *Post questionnaire:* some questions from the questionnaire are related to the use, by the participating teachers and trainers, of wiki environments.
- *In-depth interview:* one question from the interview protocol addressed teachers' and trainers' participation in virtual communities of practice.

1.4. PROJECT IMPACT

This last dimension addresses the effects of the project on the participating teachers and trainers in terms of change in knowledge, attitudes and behaviours, as well as their satisfaction. More specifically, it examines the usefulness of the training sessions, the fulfilment of user's expectations, the relevance of the tools used within the project, the impacts of WikiSkills on the educational communities, the positive factors that emerged from the project, the challenges faced by participants and the solutions they applied.

The dimension addresses the following question:

- *Question 5:* What are the impacts of the project on the targeted communities?

To look at this dimension, the following instruments were used:

- *In-depth interview*: three questions from the interview protocol addressed the evaluation of the project’s impacts.

Table 1 provides an overview of the questions addressed by the evaluation approach, as well as the corresponding data collection instruments.

	Pre-questionnaire	Post-questionnaire	In-depth interview	Expert evaluation	Statistics from the online platform
Q1. Does WikiSkills Project enhance key wiki competences?	X	X	X		X
Q2. How do wiki-based learning scenarios enhance collaborative learning processes?	X	X	X		X
Q3. Are the scenarios developed adapted to their contexts of use?				X	
Q4. Does the project enhance the creation of sustainable communities of practice?		X	X		
Q5. What are the impacts of the project on the targeted communities?			X		

TABLE 1: OVERVIEW OF THE DIMENSIONS AND QUESTIONS ADDRESSED BY THE EVALUATION APPROACH, AND CORRESPONDING DATA COLLECTION INSTRUMENTS

2. IMPLEMENTATION OF THE EVALUATION FRAMEWORK

This section presents an overview of the deployment of the evaluation procedures and instruments per partners:

- *YORG and HEIG-VD*: Yinternet.org team collected 35 pre-questionnaires, 35 post-questionnaires, 3 in-depth interviews, and 2 expert evaluations. Data is available in Annex 1.
- *DieBerater*: DieBerater team collected 14 pre-questionnaires, 9 post-questionnaires, 3 in-depth interviews, and one expert evaluation. Data is available in Annex 2.
- *EA*: EA team collected 14 pre-questionnaires, 9 post-questionnaires, 2 in-depth interviews, and 1 expert evaluation. Data is available in Annex 3.
- *UB*: UB team collected 27 pre-questionnaires, 23 post-questionnaires, 4 in-depth interviews, and one expert evaluation. Data is available in Annex 4.
- *MacTeam*: the team collected 7 pre-questionnaires, 6 post-questionnaires, 5 in-depth interviews, and one expert evaluation. Data is available in Annex 5.
- *CESGA*: CESGA team collected 30 pre-questionnaires, 20 post-questionnaires, 5 in-depth interviews, and 2 expert evaluations. Furthermore, they analysed the WikiSkills Mediawiki platform. Data is available in Annex 6.
- *Wikimedia.se*: Wikimedia.se team collected 13 pre-questionnaires, 19 post-questionnaires, 5 in-depth interviews, and one expert evaluation. Data is available in Annex 7.

Tale 2 presents an overview of the implementation of evaluation instruments by partners.

Partners / Instruments	YORG / HEIG-VD	DieBerater	EA	UB	MacTeam	CESGA	Wikimedia.se	TOTAL
Pre-questionnaire	35	14	14	27	7	30	13	140
Post-questionnaire	35	9	9	23	6	20	19	121
In-depth interview	3	3	2	4	5	5	5	27
Expert evaluation	2	1	1	1	1	2	1	9
Statistics from the online platform	0	0	0	0	0	WikiSkills Media wiki platform	WikiSkills Media wiki platform	2

TABLE 2. IMPLEMENTATION OF EVALUATION INSTRUMENTS BY PARTNERS

CONCLUSIONS

This deliverable brought together the data collected by the WikiSkills partners. It provided an overview of the WikiSkills evaluation framework, i.e. the different dimensions examined by the WikiSkills evaluation approach (i.e. wiki-key competences, collaborative learning processes, learning scenarios, virtual communities of practice, and impact), as well as the corresponding data collection instruments. Furthermore, it summarised the data collected per partners regarding each of the evaluation dimensions. In total, partners collected 140 pre-questionnaires, 121 post-questionnaires, 27 in-depth interviews, and 9 expert evaluation. Data collected by each partners were gathered in local reports available in Annexes. This data will be further analysed in D8.3 - Evaluation Analysis Report.