e-Hoop - Unified e-Hoop Approach to Learning Differences

Deliverable information	
Deliverable Name:	Exploitation Report
Deliverable Number:	D6.5
Deliverable version:	V1.0
Date of preparation:	30/10/2015
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1. INTRODUCTION

This deliverable introduces the "Exploitation of Results" of the e-Hoop project in the context of Work Package 6. Following D6.1 – Exploitation Plan, which presents the exploitation strategy of the e-Hoop project, the Exploitation of Results is a live document which is constantly updated as the project progress.

The integration of results commenced as soon a result was achieved and comprises:

1. Utilisation of the e-Hoop platform and services

2. Extension of existing platforms with the functionality and extension of the e-Hoop platform

3. Draw on the conclusions of the country reports

4. Use of the Report and on-line database of existing FLOSS tools supporting personalised learning

5. Use of the approach to personalised training for improving existing courses

6. Extension of existing portfolios of services with the inclusion of the Best Practices / Lessons Learned (D7.2) and e-Hoop Guide of Good Practice (D6.2)

7. Exploitation of directory of contacts

The main focus of this document is to enable a maximum spread of and access to the results of the project aiming to increase its long term impact. The purpose of the Exploitation of Results is to outline the future of the "e-Hoop" project and the use of the valuable knowledge gained from it. It aims at exploiting the knowledge gained throughout the project and the tangible results produced to a wider audience by utilizing different exploitation tools.

For a successful project lifecycle, careful dissemination and exploitation strategies are essential. While dissemination activities have been performed from the founding of the e-Hoop project, the Exploitation of Results concentrates on the outputs of the project during the last phases and to reach sustainability after the project ends. The results described in this document are in line with the concepts and methods developed under the Exploitation Plan as well as the project's Dissemination Plan.

2. EXPLOITATION MATRIX / LIST OF EXPLOITATION OUTPUTS

The following table illustrates the products/results/ outputs of the e-Hoop project and the methods utilized for their exploitation.

No.	PRODUCT/ RESULT/ OUTCOME	THE EXPLOITATION METHOD
1	The e-Hoop platform	Involvement of the end users of the project
2	e-Hoop Content Management System	Use in the context of new tools
3	e-Hoop Learning Object Sequencer	As part of personalised learning tools – development of new tools/services
4	e-Hoop Sample Content	Used for demo of the platform and proving educational value
5	e-Hoop templates for creating Learning Objects	Exploitation in the context of new services
6	The Online learning methodology	Exploitation in the context of new delivery approaches
7	Content Authoring tools state of play	Capitalisation in the context of designing new services and tools for disseminating knowledge Web 3.0 "style"
8	Software Requirements Specifications for e-Hoop platform	Utilisation for conceptualising new content authoring services and tools for content developers
9	Personalised training for improving existing courses	Offer, through e-Hoop Academy, coaching to content developers, Educators for improving their courses through e-Hoop platform
10	Results from the national country briefs outlining the educational system in Greece, Cyprus, Germany, Lithuania and Finland	Used for claiming new funds, obtaining visibility and influencing decision makers at national and EU level
11	Continuous improvement with the inclusion of the Best Practices / Lessons Learned (D7.2)	Continuously improve the performance of the organisation by adopting the Best Practices and studying the Lessons Learned
12	Continuous improvement with the inclusion of the e-Hoop Guide of Good Practice (D6.2)	Continuously improve the performance of the organisation by adopting the e-Hoop guide of good practice
13	Exploitation of directory of contacts	Generate awareness for e-Hoop platform and e-Hoop Academy and sustain interest on the project results
14	e-Hoop academy	Ensure sustainability by mobilising a critical mass of educators who will adopt e-Hoop. The e-Hoop Academy is the main instrument for involving and supporting e-Hoop
15	Project Video	Generate awareness about the project and participating organisations
16	Publications	Generate awareness about the project concepts and ideas

3. RESULTS EXPLOITATION

In the present document we summarize the actions directly exploiting project results.

The actions to be able to exploit project results and for generating leads (conference speeches, networking meetings, presentation, etc.) are part of the valorization actions listed in the dissemination reports every quarter and registered at the project valorization wiki:
https://sites.google.com/site/ehoopproject/

Therefore in the present document we focus only on the results exploitation actions which have taken place in the life of the project and those currently taking place, as well as actions which are planned already to take place in the near future.
These actions are presented in the next section in a consolidated table.

Action	Description	Partners	Reference
1.	**e-Hoop Platform & Content**: The platform was presented to three schools in 3 different occasions, one of which is a network of 5 schools. The sample content facilitated a complete demonstration of features and benefits of the e-Hoop approach and made it possible to explain and demonstrate key concepts behind e-Hoop. Feedback was very positive and follow up meetings will be organised to see how e-Hoop could be used by the schools. Additional presentations were made in conferences and workshops.	AKNOW	Letters of Support: - CETEI - 105 Elementary School - Maraslion Exemplary School Other: - Cyber bullying and internet addiction conference - Cyber bullying workshop - Inclusive ICT workshop
2.	**e-Hoop Content Management System**: The Content Management Functionality was demonstrated to 3 companies (i.e. EUROCREA Merchant, CCS, f3n) who are interested in using the e-Hoop back end for their own projects. One of the companies is developing a new product and has found some of the ideas in e-Hoop very interesting to consider for its new product.	AKNOW NTL	Letters of Support: - EM - CCS Reference: - f3n - Digital Reboot Conference

Action	Description	Partners	Reference
3.	**e-Learning Needs of the Disabled**: A series of virtual calls were executed with a representative from IPSE DE BRUGGEN Foundation in order to better comprehend the needs of the disabled with respect to a content authoring and delivery environment. The possibilities for pilot tests was discussed as well as the possibility of applying for an H2020 project proposal which will start from where e-Hoop left off and attempt to go much further through the use of multimodal and multisensorial technologies.	AKNOW	- IPSE DE BRUGGEN
4.	**e-Hoop Learning Object Sequencer:** The sequencer algorithm and implementation in e-Hoop were demonstrated to the open source software society. The feedback was very positive and many ideas on potential uses came up some of which are currently being followed up. The sequencer algorithm was explained and demonstrated to CCS Digital Education who is an educational software provider with an interest in personalised learning tools. It is possible that the implementation of the algorithm will be used by CCS in a running co-funded project under Erasmus+ In addition f3n Internet Solutions was introduced to the Joomla/iGuru architecture of e-Hoop and especially to Learning Object Sequencer (LOS). It is planned to integrate the technical solutions of the project into the service portfolio of f3n in the future. During the Management Meetings of the FP7 projects Inspiring Science Education (ISE) and Open Discovery Space (ODS) in Belgrade (Serbia), Helsinki (Finland) and Mulhouse (France) throughout 2014 and 2015 NTL initiated informal talks on how the Learning Object Sequencer (LOS) of e-Hoop could support Inquiry Based Science Education (IBSE) for learners with Special Needs.	AKNOW NTL	- Greek Free / Open Source Software Society www.ellak.gr - www.ccseducation.com - f3n Others: - ODS - ISE - ISE Portal - EDEN Annual Conferences 2013 - 2015

Action	Description	Partners	Reference
5.	**e-Hoop Sample Content**: The sample content has been very useful in facilitating a proper demonstration of the e-Hoop platform possibilities but it also potential in itself. Two Greek schools demonstrated an interest in the Battle of Marathon and would like to make the course available to their students. Licensing under Creative Commons and inclusion of the content in OER repositories such as Open Discovery Space (ODS) will make this possible	AKNOW	- 105 Elementary School - Maraslion Exemplary School - opendiscoveryspace.eu
6.	**Content Authoring Tools State of Play**: The work on analysing the potential of Augmented Reality for the e-Hoop target groups and for extending the content authoring functionality with the possibility to add augmentations to the developed content is very promising. Discussions with companies and organisations who have experimented with AR have taken place and the conclusion is that there is potential for an Augmented Reality CMS and also for extending the e-Hoop CMS with augmentation features, especially for the disabled and socially excluded target groups.	AKNOW	- State of the Art in AR - www.cosmic-innovations.eu - EZZEV Foundation

Action	Description	Partners	Reference
7.	**e-Hoop Academy**: The Academy is a free online resource for Educators, especially those working with disadvantaged learners and dealing with learning difficulties. It provides relevant up-to-date information on the e-Hoop platform functionality and courses as well as information on the integrated assessment tools. We designed and develop the e-Hoop Academy and we support the e-Hoop Network by providing the back-end application for supporting e-Hoop users. The Academy has generated a lot of awareness for the project and participating organisations and ensures the sustainability of e-Hoop for the future. Through the Academy we have the opportunity to network with educators, schools, parents and other enthusiasts, exchanging ideas about the future of education and inclusiveness and this leads to new ideas and opportunities.	AKNOW NTL	- www.e-Hoop.eu Letters of Support: - MENON GR - Renate Hahner - NTL - VAWi Others: - EDEN Annual Conferences 2014 & 2015 - DISCUSS - EPALE - EUN - lehrer online - ODS - ISE - ISE Portal - Promotion to 2013 LLP Project Coordinators - Musikalische Grundschule - DISCO
8.	**Best Practices and Lessons Learned**: The Best Practices identified in the context of the e-Hoop project are now part of the continuous improvement programme adopted by AKNOW. The continuous improvement programme has been demonstrated to customers of AKNOW and is an integral part of the QA methodology employed by the company. Based on the continuous improvement methodology used, it should be possible to improve from participating in projects such as e-Hoop, not only in terms of the results themselves but also due to the involvement and collaboration with the partners. The Best Practices and Lessons Learner are proof of this.	AKNOW	- Dissemination Form

Action	Description	Partners	Reference
9.	**Automated Assessment:** The automated assessment tools used by e-Hoop and the automated assessment method were discussed with the Technical University of Lodz, Poland and Otto-Friedrich-University Bamberg and the University of Duisburg-Essen in Germany. All three university is interested in personalised learning environments and automated assessment	AKNOW	Letter of Support: - TUL - VAWi
10.	**e-Hoop Concept & Methodology**: The theoretical grounding and the resulting methodological approach have been presented in various occasions to researchers and practitioners throughout the life cycle of the project. A special focus was placed on the Structured Democratic Dialogues (SDD) as a means to assists in-homogeneous groups to deal with complex issues and to enable the integration of contributions from individuals with diverse views, backgrounds and perspectives through a process that is structured, inclusive and collaborative. It was also envisaged to utilise SDDs in R&D projects NTL and MENON GR have been recently applying for under the H2020, Youth and Erasmus* programmes of the European. Finally e-Hoop was contacted by the European Innovation Consultancy & Network (EURICON) to explore the possibility of a future collaboration with the Erasmus+ project DIgital Second Chance Opportunities (DISCO). It is furthermore envisaged preparing a joint Erasmus+ application for forthcoming call in March 2016.	NTL	Letters of Support: - BAZAAR - MENON GR - Renate Hahner - NTL - VAWi Others: - EDEN Annual Conferences 2014 & 2015 - DISCUSS - EPALE - EUN - lehrer online - ODS - ISE - ISE Portal - Promotion to 2013 LLP Project Coordinators - Musikalische Grundschule - DISCO

Action	Description	Partners	Reference
11.	**e-Hoop Platform & Content**: The e-Hoop platform and content was also presented to the Management and Research Team of MENON GR. MENON GR coordinating in the Greek 'Programme for School Innovation' (PfSI) with wide access to schools in Greece and beyond. It is currently planning the Education Programs and Technology Enhanced Learning Offers of 'Fabbrica', the Cultural Centre at South Eastern Peloponnese and provides Technical Assistance to the Ministry of Labour and Ministry of Education and Religious Affairs by drafting the 'Implementation Plan for the Reform of the Vocational Education and Training System in Greece'. In all three fields the solutions of e-Hoop might play a role in the future. The e-Hoop solutions were discussed with the coordinators of the Virtual Continuing Education Master Programme on Business Informatics jointly run by the Otto-Friedrich-University Bamberg and the University of Duisburg-Essen in Germany. The courses on Key Competences of VAWi already started to promote the use of e-Hoop tools and concepts and - due to the high acceptance since now - will intensify this use in future.	NTL	Letters of Support: - MENON GR - BAZAAR - Renate Hahner - NTL - VAWi Others: - EDEN Annual Conferences 2014 & 2015 - DISCUSS - EPALE - EUN - lehrer online - ODS - ISE - ISE Portal - Promotion to 2013 LLP Project Coordinators - Musikalische Grundschule - DISCO
12.	**e-Hoop Platform & Content:** The e-learning platform testing was carried out by the teachers from Kaisiadorys Adult and Youth school. The students in this school have behavioural, social problems and they are at risk to leave the education system. The teachers saw the benefits of the platform and especially working with such students. The school would be happy to use the e-Hoop platform for their daily work.	JKC	Letter of Support: - Kaisiadorys

Action	Description	Partners	Reference
13	**Automated Assessment / Individualized learning:** CNTI presented the functionalities of the e-Hoop learning platform to Mrs Despo Ioannou, professor of Greek literature and master student at New Technologies of Learning and communication in Cyprus. Mrs Ioannou is particularly fond of the diagnostic tools integrated to the platform and the ways that the e-Hoop project favours personalized learning. She is a strong supporter of the e-Hoop project and her letter of a support is a proof of that. Furthermore, the e-Hoop project, and particularly the functionalities of the e-Hoop learning platform i.e. diagnostic tools and automated assessment were discussed with Mr. Andreas Pitsillides, Professor at the Computer Science Department of the University of Cyprus (UCY). Prof. Pitsillides believes that the e-Hoop project is a great initiative for targeting individualized learning and that it constitutes an innovative and practical application for specifically targeting at socially and educationally disadvantaged groups. UCY is interested in personalised learning environments and automated assessment tools and Prof. Pitsillides letter of support is a proof of that. The e-Hoop project and particularly, the functionalities of the e-Hoop learning platform, i.e. the diagnostic tools and automated assessment were presented and discussed with Mrs. Irene Polycarpou, Head of the School of Sciences at UCLan Cyprus. Mrs Polycarpou holds that e-Hoop is a great initiative for targeting individualized learning constituting an excellent example of how ICT can make education more inclusive without being complex to use. Mrs Polycarpou is particularly fond of e-Hoop automated assessment and UCLan is interested of learning environments of its kind. UCLan is a strong supporter of the e-Hoop project and Mrs Polycarpou's letter of a support is a proof of that.	CNTI	- LOS - Ioannou - LOS – UCY - LOS - Polycarpou

Action	Description	Partners	Reference
14	**e-Hoop Sample Content:** The e-Hoop Sample Content was presented and discussed with Mrs Antigoni Pragmaxi PhD holder at Multimedia and Graphic Arts from the Cyprus University of Technology. Mrs Pragmaxi is specialized on Computer Assisted Language Learning and is a member of the Cyprus Interaction Lab. Mrs Pragmaxi showed great interest in both the e-Hoop learning platform and the e-Hoop sample content. She is a strong supporter of the e-Hoop project, with her letter of support being a proof of this. The e-Hoop Sample Content was presented to Mrs Efi Nisiforou, holder of a PhD degree in Educational Neuroscience and Technology, of an MSc degree in Educational Leadership and School Improvement with specialization in Learning styles and of two BAs' in young pupils Education. Mrs Nisiforou is particularly supportive of e-Hoop's interactive content and she looks forward to supporting e-Hoop following the end of the project's official lifecycle to constitute an effective ICT tool for making online education more inclusive.	CNTI	- [LOS - Pragmaxi](#) - [LOS - Nisiforou](#)
15	**e-Hoop Sample Content:** Presentation of e-Hoop platform and sample content to EUNEOS, followed by targeted discussions on how e-Hoop could serve the needs of language teaching professionals and their students	DAF	- [LOS - EUNEOS](#)
16.	**e-Hoop e-learning platform:** e-Hoop e-learning platform was demonstrated to various departments of Universities with interests similar to e-Hoop beneficiaries. These universities expressed the interest to use e-Hoop and collaborate with Hellenic Open University in order to enhance the educational content and to improve the results of the Learning Object Sequencer functionality. Students and professors were participated in various sessions of demonstration of the e-Hoop learning platform during the whole project life, and their feedback was very fruitful and important for the progress of the project.	HOU	Letter of Support: - [Department of Applied Informatics, School of Information Science, University of Macedonia](#) - [Department of Mathematics, University of Patras](#) - [Technological Educational Institute of Athens](#) - [Department of Educational Science and Early Childhood Education, university of Patras](#) - [Electrical & Computer Engineering Department, University of Patras](#) - [Technological Educational Institute of Western Greece](#) - [Faculty of Administration and Economics, Technological Institute of Central Macedonia](#)

Action	Description	Partners	Reference
17.	**e-Hoop educational approach and Learning Object Sequencer:** Optiosnet is company of private sector which provides innovating technological solutions in the fields of Information Technology and Smart Application development. During the presentation of e-Hoop main algorithm, Learning Object Sequencer, the developers' team of the company were very positive and they proposed many ideas in order to enhance platform's functionalities. Moreover, the educational approach was explained and presented and the company support and appreciate the e-Hoop proposed solution on the geographical and social exclusion obstacles.	HOU	Letter of Support: - Optionsnet
18.	**e-Hoop e-learning platform:** The platform was demonstrated to schools, rehabilitation center and private psychologist and the feedback was very positive. They have expressed to Hellenic Open University working team their willing to collaborate in the future by using the e-Hoop learning platform. During the session which had been occurred the benefits of the e-Hoop educational approach and the functionality of the Learning Object Sequencer were presented.	HOU	Letter of Support: - Erasmeios Greek-German School - Kappa Educational Organization - Orthos Legein Rehabilitation Center - Private Sector Psychologist