# Deliverable report

COMPLEAP

Date:30.5.2019
Work package: WP2
Title: D20 Running prototypes in cooperation with WP3
Author:EDUFI

Description of the action:

Based on the framework architecture produced in the first half of the project, a proof of concept of the framework has been implemented, the Beta prototype.

The prototypes have been produced in cooperation with subcontracting partners Reaktor (for the Beta) and Solita (for the HTML).

Outcome of the action:

The following prototypes are running in the EDUFI test environment:

An HTML- prototype depicting the full user flow:

**https://compleap-proto.testiopintopolku.fi/**

And Beta proof of concept prototype depicting certain key functions for the user, and testing the feasibility of the framework in real-life conditions:

**https://poc.compleap.testiopintopolku.fi/**

## The Road from Initial Plans to Running Prototype

The CompLeap project tries to create solutions for strengthening people's self-awareness of both their current competencies and the paths they can follow to gain further know-how.

The idea of the project is not to create unique CompLeap services but to within the project create new services that can be added to existing and trusted national or local service frameworks.

This is done through building a roadmap towards lifelong learning enabling competence profiles of formal and non-formal competencies. Through providing valuable competence development prospects, we want to contribute to better matched competence supply and demand – serving individual citizens, employers as well as decision-makers. To find an optimal solution for competence development, we focus on the needs of diverse groups, such as NEETs, migrants and those who change jobs.

We want to be able to build a service where the learner can visualize and gain valuable feedback on previous education, strengths, skills and competences, work experience and future ambitions. This is the long game. This is approached through our work in architecture design and depicted in CompLeaps Mock-up and HTML-prototypes.

The Beta prototype includes selected and reduced number of functionalities that we test and pilot with our associate partners and their end-users. The selected functionalities are a combination of Koski register data with personal interests and providing individual educational recommendations.

## Running prototypes of the Learner Plan

Within the project Task 1.2: Personal learner plan, the project team has been developing the requirements for the electronic personal learner plan with tailored tools, contacts and information on relevant learning opportunities.

We have created detailed descriptions of the services to be tested as well as detailed the timeline for the iterative service design and prototype development to be continued throughout WP2 and WP3. As an outcome we are better equipped to develop useful learner-centred services that fit into the architecture and fulfill concrete and identified needs of both the users and reference groups.

### HTML prototype – Depicting Full Learner Path

https://compleap-proto.testiopintopolku.fi/

CompLeap has aimed at building new digital services, which can be adopted for use in any EU country. The adoption of CompLeap services would require having available data and similar visions for a learner centered service framework. For this purpose, the CompLeap project has visualised the CompLeap framework architecture in a living HTML-form. For the full framework architecture, please see CompLeap Deliverable 25 Technical Documentation.

The HTML-prototype has been developed from November 2018 to January 2019 to exemplify the user flow and the full framework architecture. So to speak HTML-prototype shows the vision of the Compleap. The HTML prototypes depicts a modular competence profile. The Comptence profile can be built throughout one's life, including also future ambitions in education and working life. With an up-to-date competence profile, users can see and compare educational opportunities matching with their competence needs and interests. The idea is that learners can gain access to pre-existing

national and Europe-wide registries and services with an up-to-date selection of educational opportunities fitting their personal competence profile. Using the services ends up in drawing a unique learner map, making use of “my data”, data from official registries, as well as data analytics.

The profile seeks to visualise the users competencies. This was validated as a key aim for future development needs in stakeholder workshops thoughout the project. The European Key Competencies for Lifelong Learning single out eight key competence areas for the European Union in 2018, these could form the basis also for a valuable competence profile. While formal competencies may be easier to prove through educational records and registers, soft skills and people skills are harder as they are measured in human interaction. As another EU DG Connect project Skills Match is focusing specifically on soft skills, this was narrowed down in the scope of the CompLeap project.

However, for example soft skills gained within extra-curricular activities can now be packaged into Open Badges, these are depicted in the HTML -competence profile as an interesting tool for making informal competencies more visible.

CompLeap’s vision is to develop a useful tool for both citizens, but also institutions and guidance counsellors. Depicting the lifelong learner path and collecting feedback and data on usage would allow the educators to know more about learner needs – including what their students or learners might have planned for their future. The map of the learner’s competence prospects could prepare the student and counsellor better for joint situations of counselling.

In sum, the digital services the CompLeap project aims towards at an EU level will be helping individuals in competence development and most importantly in anticipating future skills needed.

Through implementing the depicted framework architecture or roadmap created in the CompLeap project and visualised in the HTML prototype, a learner can see a personal competence development plan, map out potential next steps and competence development needs – i.e. find a direction.

## Beta-prototype – smaller modules forming parts of the Learner Path: https://poc.compleap.testiopintopolku.fi/

In CompLeap we have built modular, learner-centered digital prototypes, which provide learners of all ages a clear and useful method to enhance their competences. The Beta prototype has been described at length also in Deliverables 26 Three prototypes and Deliverable 25 Technical documentation.

Within the beta prototype, the aim has been to develop prototypes of Learner’s services that prove their practical use with end-user testing and under real world conditions. The prototype has been developed with subcontracting partner Reaktor since February 2019. During the most intensive months of development, we have organized biweekly open demo session to our stakeholders. In these open online demos, we illustrate each time how the Beta-prototype and its modules have been developed compared to the previous iteration.

Within the running Beta prototypes, the CompLeap project WP2 task .1.2 Personal Learner Plan is implemented. The Learner Plan aims to link the processes of competence mapping and educational opportunity comparison together into one fluid personalized process, using data from both the learners themselves and national data registries.

The First Beta prototype is ready for piloting, with piloting started the 21st of May 2019. The full Beta prototype is planned to be ready at the end of August 2019 after the fine-tuning of the functionalities based on the piloting results and feedback.