Planned Prototypes

August 2018

WHAT WE ARE PLANNING

1) **Framework** of interlinked digital services for competence development and future labourmarket relevance

2) **Modular digital services** (parts of the framework) to guide individuals in their competence development

3) **International stakeholder network** for deployment

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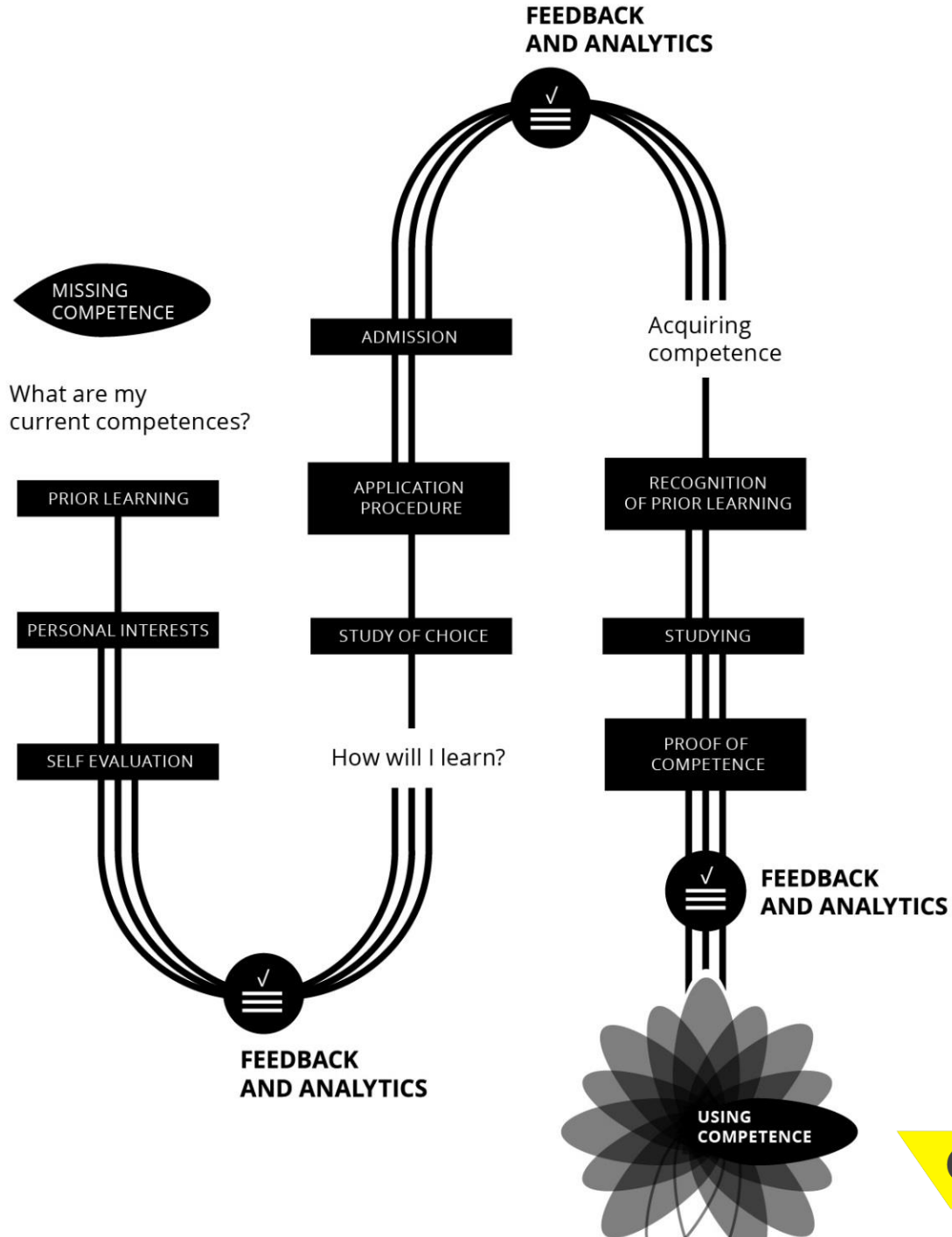
EU LEARNER

SKILLS AND COMPETENCES

DIGITAL LEARNER PATH



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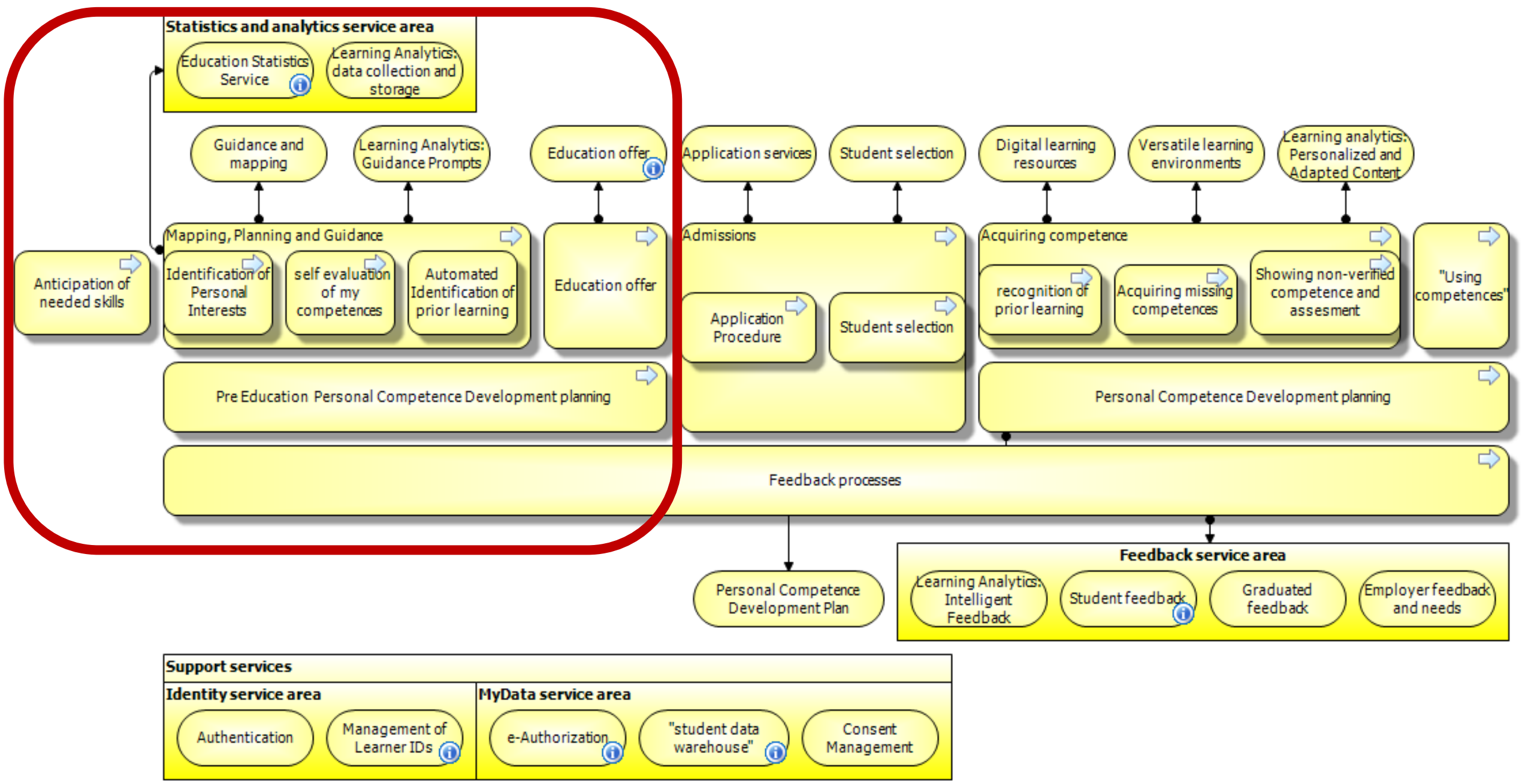
Statistics and analytics service area
Education Statistics Service
Learning Analytics: data collection and storage
Guidance and mapping
Learning Analytics: Guidance Prompts
Education offer
Application services
Student selection
Digital learning resources
Versatile learning environments
Learning analytics: Personalized and Adapted Content
Anticipation of needed skills
Mapping, Planning and Guidance
Identification of Personal Interests
self evaluation of my competences
Automated Identification of prior learning
Education offer
Admissions
Application Procedure
Student selection
Acquiring competence
recognition of prior learning
Acquiring missing competences
Showing non-verified competence and assesment
"Using competences"
Pre Education Personal Competence Development planning
Personal Competence Development planning
Feedback processes
Personal Competence Development Plan
Feedback service area
Learning Analytics: Intelligent Feedback
Student feedback
Graduated feedback
Employer feedback and needs
Support services
Identity service area
Authentication
Management of Learner IDs
MyData service area
e-Authorization
"student data warehouse"
Consent Management

DISTINCT MODULES FOR THE LEARNER PATH

The planned modules tie together the current needs, skills and competencies of the user with possibilies of matching and comparing existing education opportunities that fit the user profile.

- Personal Competence Profile (independent module)

- Self-evaluation and automated identification of prior learning and skills
- Strong identification opens access to national databases and registers (if available) and their data
- Compiling a profile using only user generated data is possible, especially for NEET and youth without registration methods

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MODULES ON THE LEARNER PATH

- Matching and Comparing Educational Offer (independent module)

- Offers personalised suggestions on educational opportunities based on the data from the personal competence profile – i.e. learns from user input.
- Can like or dismiss offered opportunities, whereby the system learns and suggests new intelligent options

- Guidance through Learner Path (module dependent on 1 and 2)

- Personalised visualised and informational map of future possibilities based on personal competence profile and compare module data
- Utilises data from Competence Profile and Compare Module
- Possibility for expression of interest

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IDENTIFICATION

1) **STRONG (access to registers)**
2) **NO REGISTRATION (more user generated data)**

PERSONAL LEARNER PATH

CompLeap elements in yellow

Based on needs identified in 9.4. Stakeholder Seminar

National data pool and registers (if available)

User generated data

A N A L Y T I C S

Competence Mapping

COMPETENCE PROFILE MODULE

Comparing Educational Opportunities

COMPARE MODULE

LEARNER MAP MODULE

Application to Education

EXPRESSION OF INTEREST

C O M P L E A P F R A M E W O R K

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WAY OF WORKING: ITERATIVE SERVICE DESIGN

Phases of development

1. **Mock up prototype – initial visual screenshots of the modules for testing a concept (ongoing)**
2. **HTML prototype – more functionalities than a mock up proto**
3. **”Beta" pilot – in a sense works almost like a final product**

User Testing / Iterative Service Design

- Acquiring deeper understanding of users and user needs in iterative process of prototyping -> user testing
- Testing is ongoing in all those phases. Every comment is useful!

Current Stage: Gathering information from experts and potential users

- especially about Module 1 (Competence Profile) and mapping the non-formal skills

Next steps: By the end of September definitions of these 3 modules will be done and HTML-prototype development will start in October.

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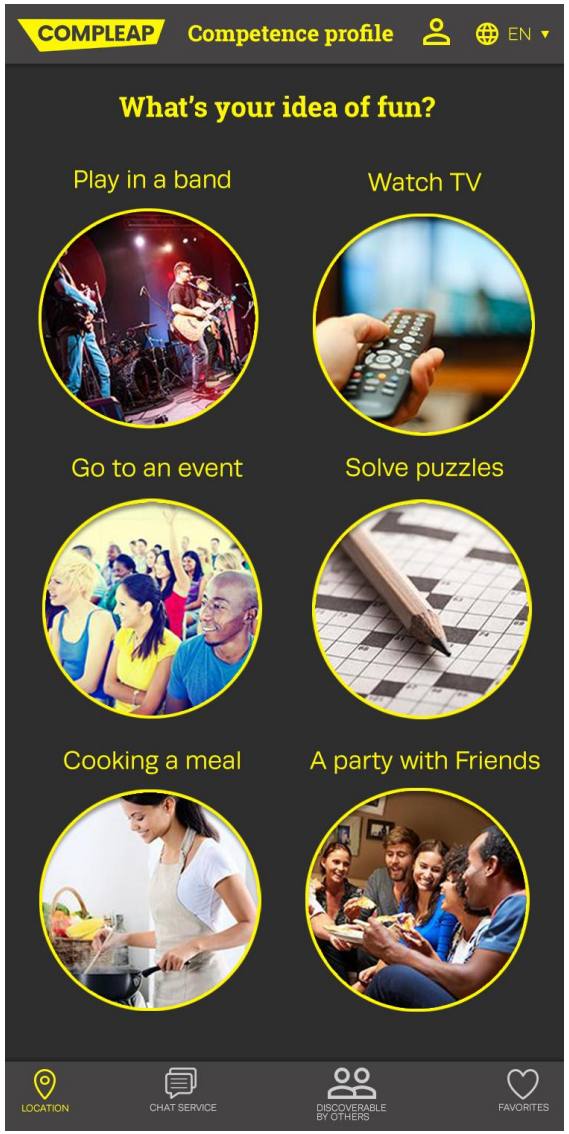

DEMO

https://invis.io/5KKEQGC2JN4

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ADDED VALUE FROM USING **LEARNING ANALYTICS**

Learning analytics is collection, analysis, and report of data about learning.

Digital traces of learning, user behavior and teachers' activities can be collected with the help of learning analytics tools and present the feedback for users as understandable, visualized results.

Based on the collected data, different optimizations, interventions, adaptations, personalizations or predictive models and assessments can be done. The purpose of learning analytics is to support decision-making of different stakeholders.

UTILISING ANALYTICS

Creating a feedback system that facilitates knowledge-based educational decision-making and career planning. → Framework in which existing and potential data is used in order to create "**Competence Profile"** and "**Educational and Career Path" (Learner Map)**

- **Competence profile** visualises information on users competences and goals
- **Learner Map** visualises information on how eduactional choises link up and what they may mean for future careeer

The service consists of different elements from which the feedback will be generated with learning analytics

The elements of the service can be used in any possible order.

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