

Student Learning Compass

A students' visual interactive platform to assess skills/competences acquisition in a specific course

Project duration in months : 18 months

Starting date : 01.12.2021

Project leader : Maria Sokhn

Lead Institution : HES SO // Neuchâtel



Swiss and MENA Partners :

Maria Sokhn - Professor
Haute Ecole de Gestion – Arc
Switzerland

Marc Ibrahim, Youssef Bakouny - Professor
USJ – Faculté ingénierie
Lebanon



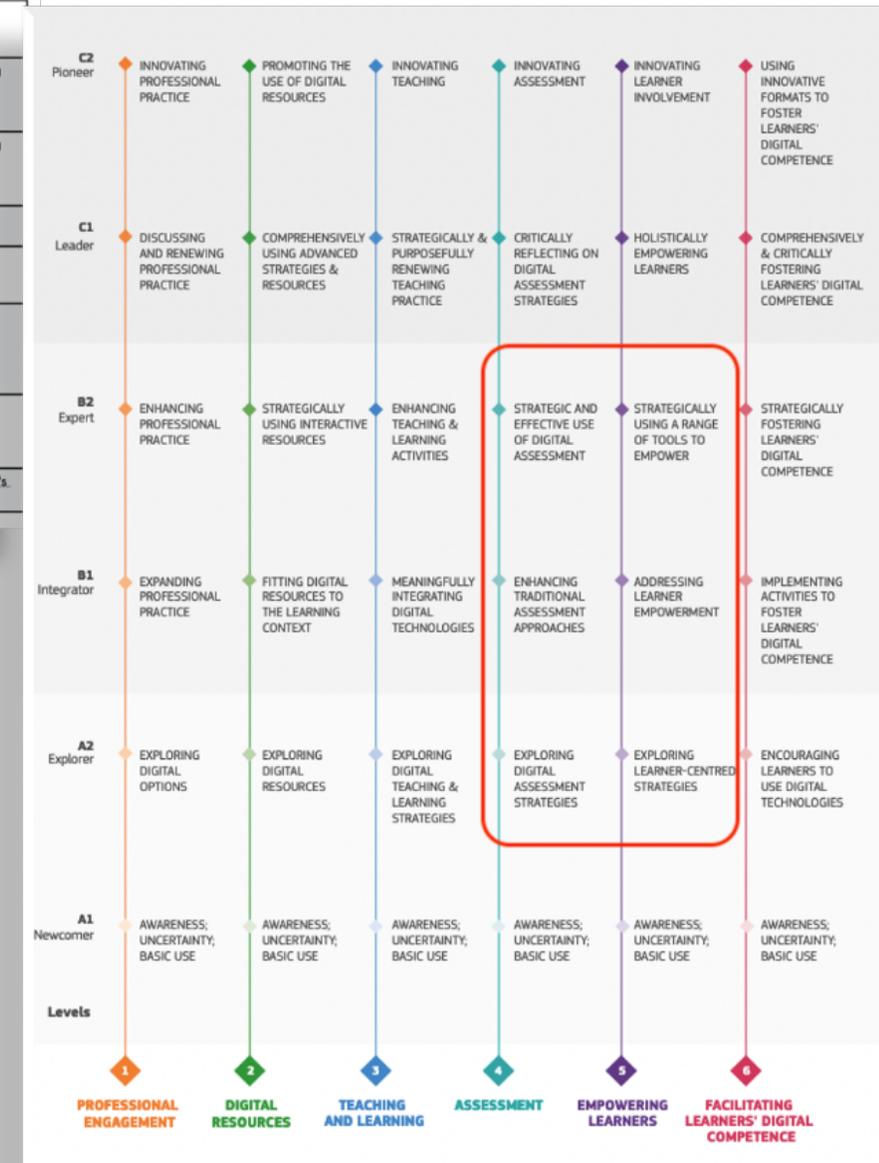
Context :

- 1) Higher education institutions play a crucial role in setting up the necessary mechanisms to cultivate skills' acquisition
- 2) DigCompEdu targets the assessment and empowering learners' areas
- 3) This framework will be used with regards to Digcomp 2.1 proficiency level

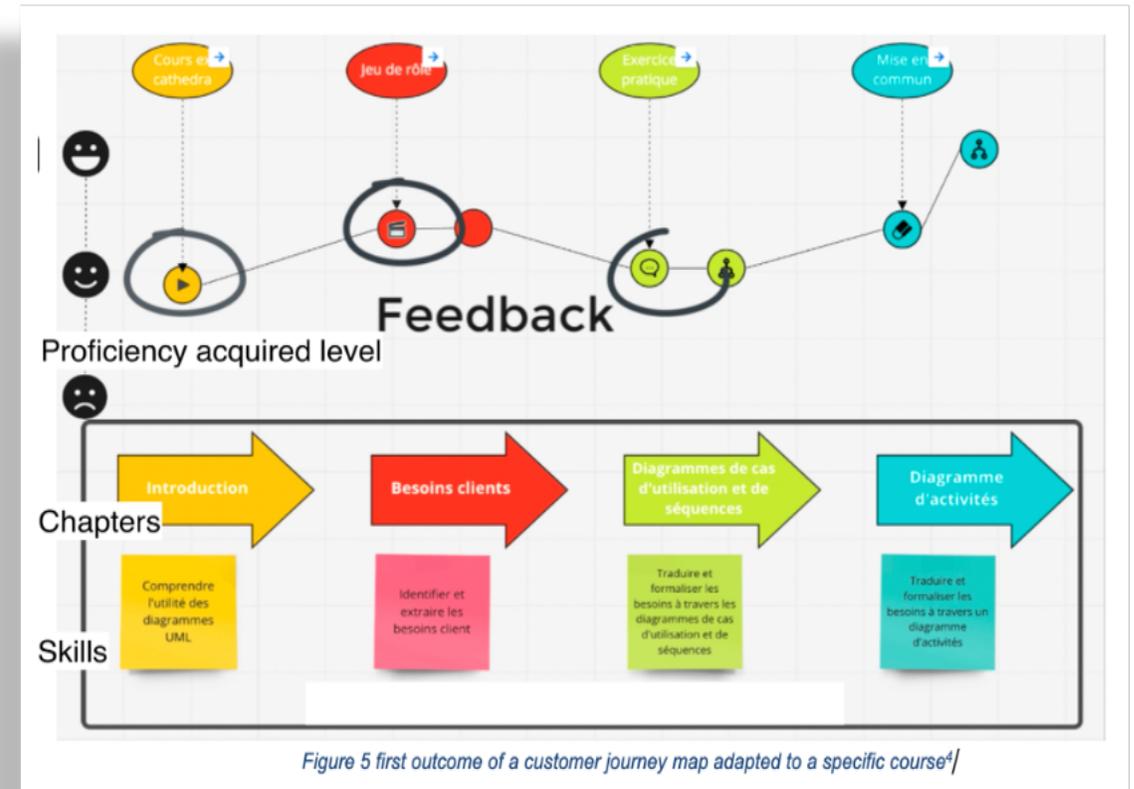
The European DigComp reference framework defines the individual steps as follows:

DigComp-Reference Framework	Levels	Complexity of tasks	Autonomy	Cognitive domain ¹⁵
Foundation	Level 1	Simple tasks	With guidance	Remembering
	Level 2	Simple tasks	Autonomy and with guidance where needed	Remembering
Intermediate	Level 3	Well-defined and routine tasks, and straightforward problems	On my own	Understanding
	Level 4	Tasks, and well-defined and non-routine problems	Independent and according to my needs	Understanding
Advanced	Level 5	Different tasks and problems	Guiding others	Applying
	Level 6	Most appropriate tasks	Able to adapt to others in a complex content	Evaluating
Highly specialised	Level 7	Resolve complex problems with limited solutions	Integrate to contribute to the professional practice and to guide others	Creating
	Level 8	Resolve complex problems with many interacting factors	Propose new ideas and processes to the field	Creating

Explanation: Cognitive process dimension - The „cognitive domain“ is oriented on Revised Bloom's Taxonomy.



Objectives :



Main activities / Work Packages :

- 1) **WP1:** Project management
- 2) **WP2:** Model compliance qualitative interviews
- 3) **WP3:** Student learning compass model design
- 4) **WP4:** Student learning compass platform implementation
- 5) **WP5:** Student learning compass platform evaluation and sustainability



Main activities / Work Packages (1/2):

- 1) WP1: Project management

- 2) WP2: Model compliance qualitative interviews
T2.1 Qualitative interviews
T2.2 Model pre-evaluation & compliance

- 3) WP3: Student learning compass model design
T3.1 Learning compass model



Main activities / Work Packages (2/2):

4) WP4: Student learning compass platform implementation

T4.1 Platform development MVP V1.0

T4.2 Platform development MVP V2.0

5) WP5: Student learning compass platform evaluation and sustainability

T5.1 Evaluation & recommendation

T5.2 Integration



Expected Outcomes :

- 1) Deliverable D2.1 : Paper presenting the findings combined to interviews results
- 2) Deliverable D3.1 : Compass model

Dissemination: scientific paper submission

- 1) Deliverable D4.1 : Student Learning Compass platform V1.0
- 2) Deliverable D4.2 : Student Learning Compass platform V2.0

Dissemination: demo paper submission

- 1) Deliverable D5.1 : Acceptance and integration tests report

One online workshop to disseminate the results



Risk Management :

- 1) **Planning may not be respected** (Risk 1- R1).
Agile methodology and dynamic team organization (Mitigation 1 – MR1.1).
- 2) **Data collection** (R2).
Go/no-go milestone (MR2.1).
Potential actors contacted (MR2.2).
- 3) **Software below expectation** (R3).
Work with an iterative and incremental (MR3.1).
- 4) **Sustainability** (R4),
Following software development best practices (MR4.1).
Engage dialogue with the institution (MR4.2)
- 5) **Political and economic situation** (R5).
The team has an understanding of the Lebanese context (MR5.1).
Saint-Joseph University 15th by in Crisis Management (MR5.2).

