

scaffold

ePortfolios to support workplace
learning in healthcare education



SBO-Scaffold

22/08/2022

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**Interuniversity Collaboration for Quality Graduate Education and
Research in Ethiopia – IQ-GEAR**



Integrating Learning, Assessment and Supervision in health care education

Undergraduate midwifery
program Ghent: 1 discipline
University Maastricht, the
Netherlands

Doctoral thesis
University Maastricht
The Netherlands
Mieke Embo

C. Van der Vleuten, E. Driessen, M. Valcke

13/03/2015

Different Medbook ePortfolio projects: <https://www.medbook.be/EN>

Medbook.

Study programs

Product tour

Contact

LOGIN

Medbook is a digital portfolio for
healthcare professionals.

FOR ACADEMICS, EDUCATORS, ASSISTANTS AND STUDENTS

REQUEST DEMO

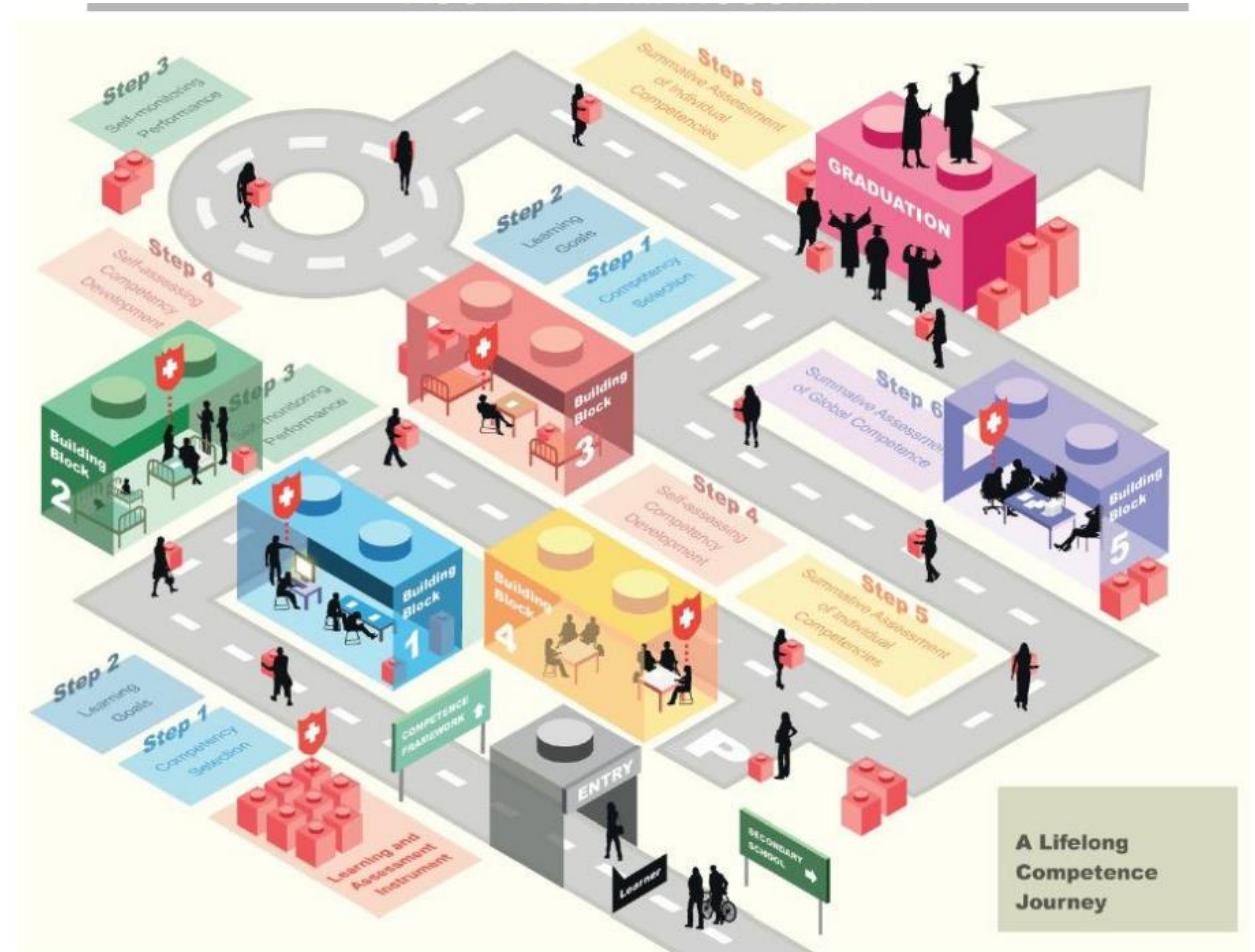
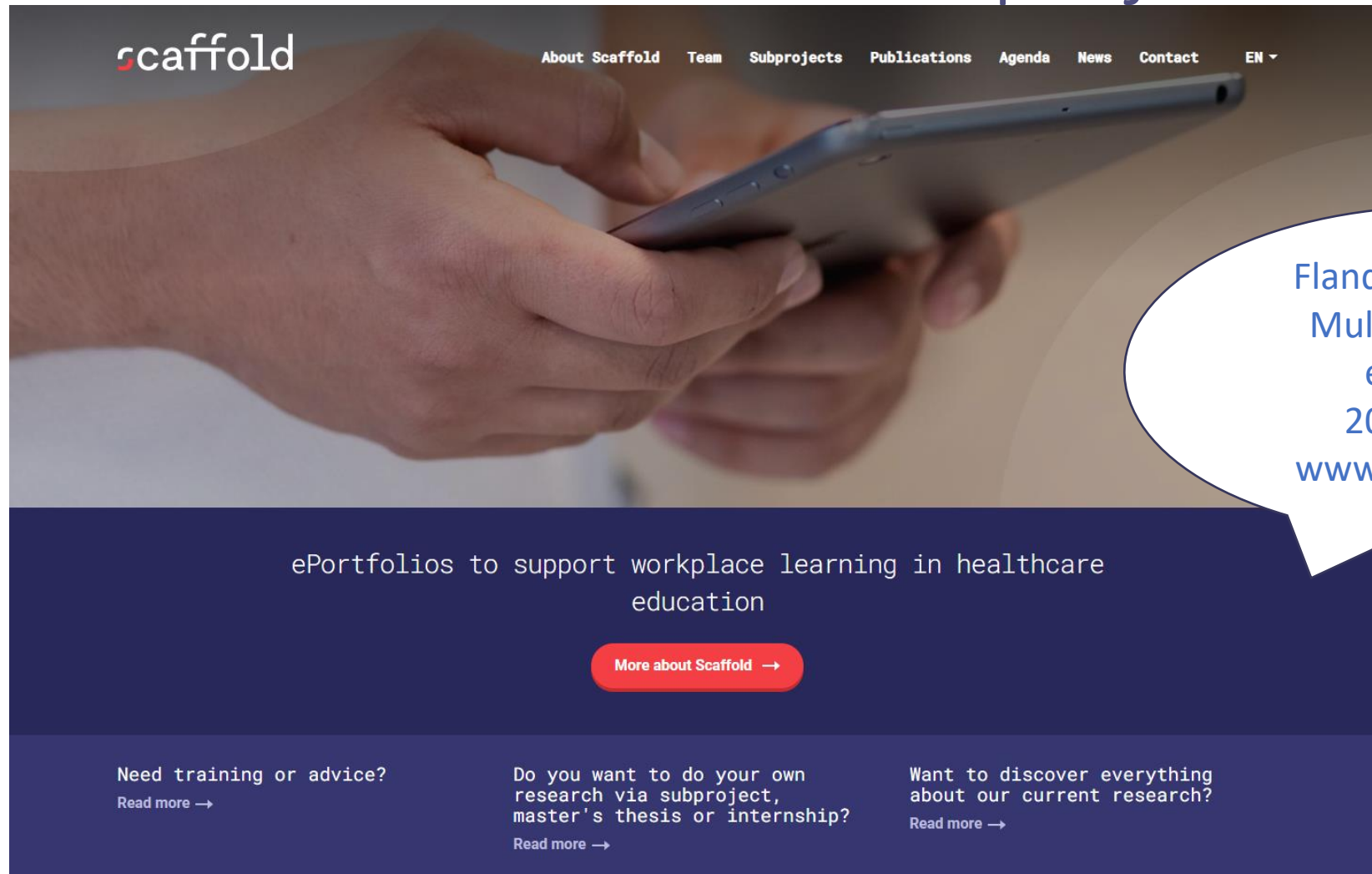


Fig.1 Embo's Continuous Workplace Learning Model

ePortfolio Scaffold Research project

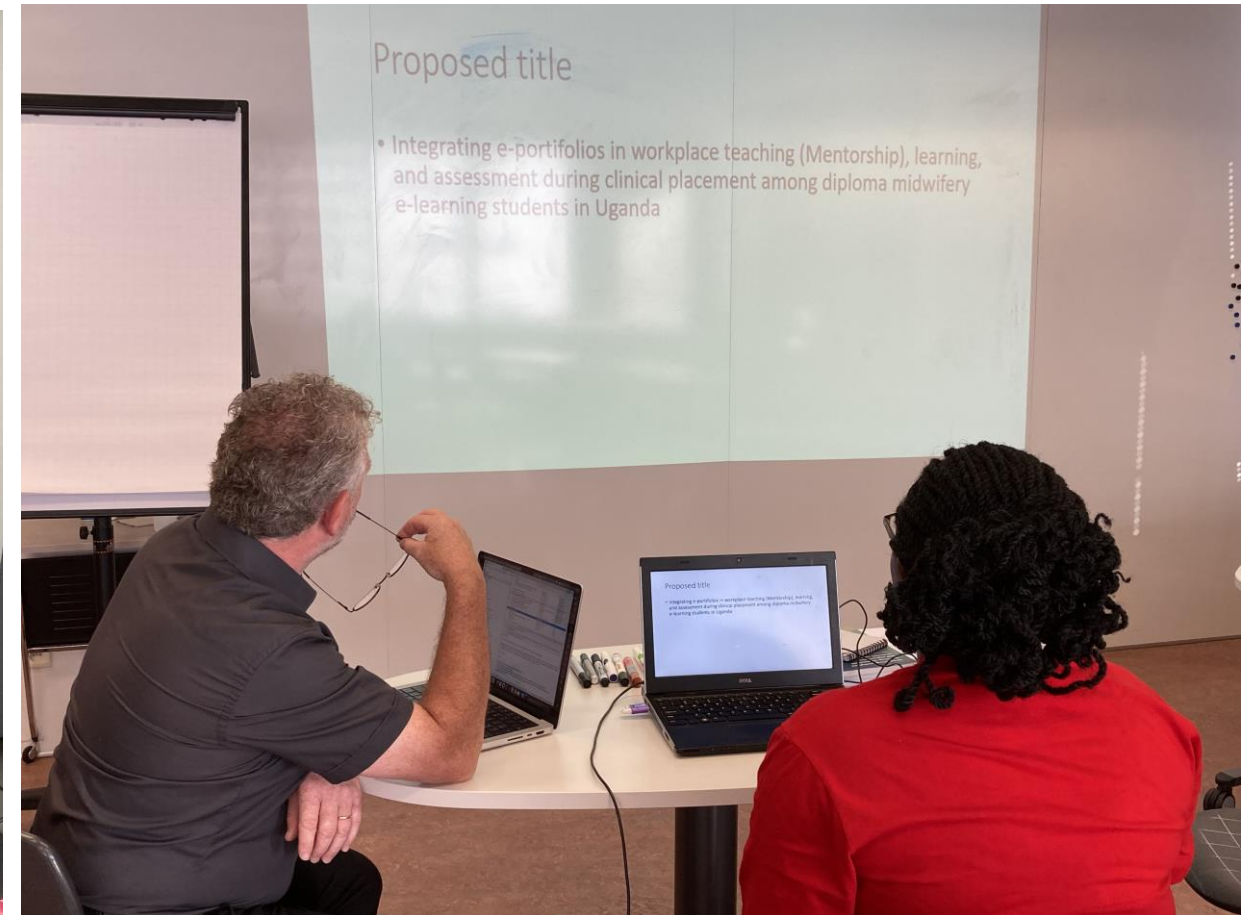


Flanders (Belgium)
Multidisciplinary
ePortfolio
2000 – 2023
www.scaffold.com

<https://www.sbo-scaffold.com/en>



PhD study in Uganda: Global Minds Short Research stay (August 2022)



ePortfolio Ethiopia for PhD students and supervisors

- PROBLEM

- Poor PhD supervision
- Poor monitoring of competency development

- AIM

- To improve the quality of PhD supervision
- To improve the quality of self-directed learning and competency monitoring

- HOW

- by developing and validating an ePortfolio for Ethiopia
- by sharing ePortfolio expertise and evidence
- by supervising a PhD student

What is an ePortfolio?

The definition Scaffold ePortfolio_Ethiopia

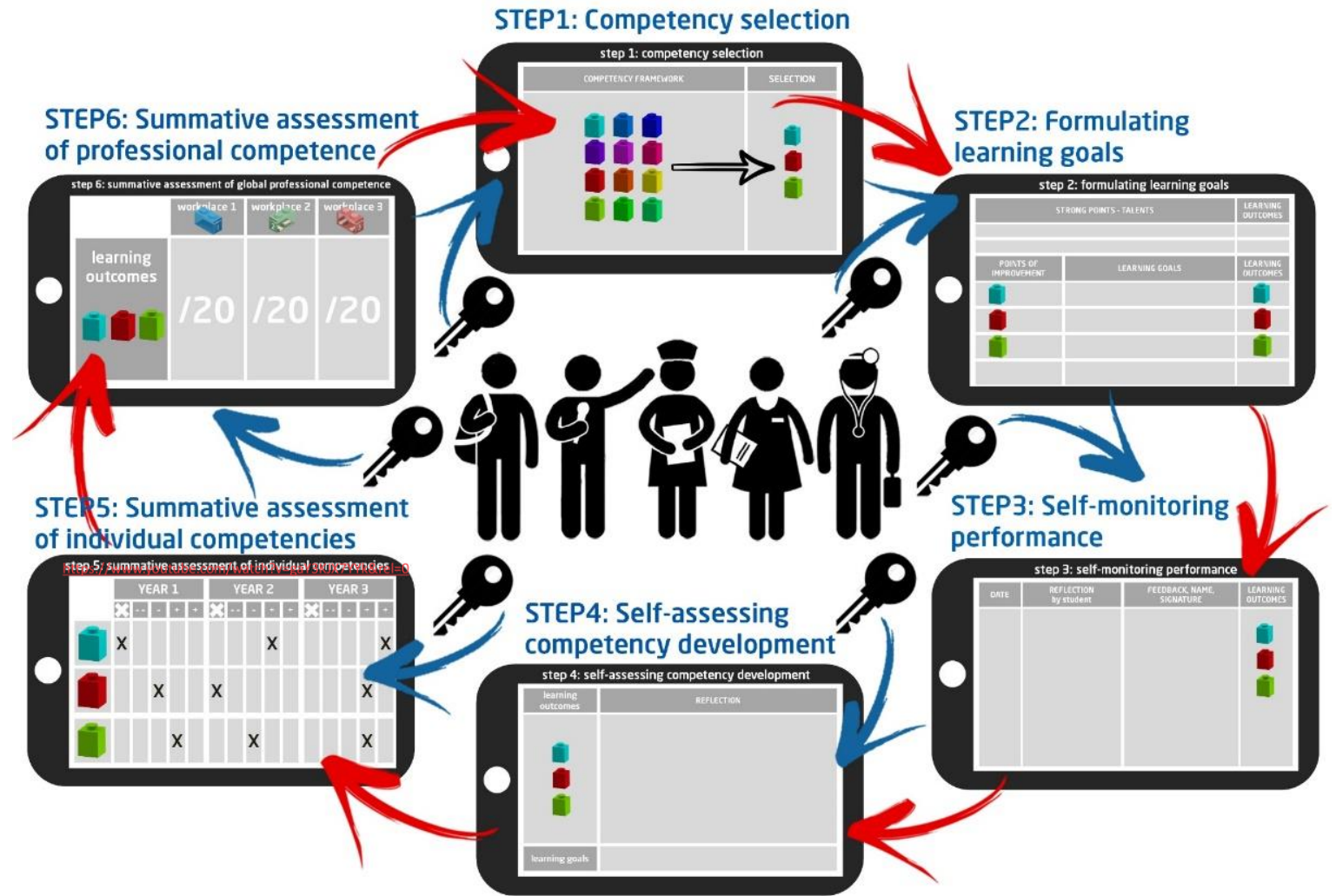
The Scaffold ePortfolio is a **digital, learner-centered tool** that documents, scaffolds, visualizes and proves **PhD students' continuous competency development** during a PhD trajectory.

It facilitates and fosters the **learning cycle** of goal setting, reflection, feedback and (self-)assessment, as well as the interaction between **all actors**.

The ePortfolio optimally uses **smart multimedia technology** to ensure an easy (=user-friendly), fast (= efficient), safe and regulatory compliant usage.



Educational theory:
Continuous & self-directed
competency-based learning
model



<https://www.youtube.com/watch?v=gaY3KJX7YYk&rel=0>

<http://pub.maastrichtuniversity.nl/700fdd2c-b660-48cf-ad32-2a9f4effff95>




Can
ePortfolios
scaffold
competency
-based
learning of
students in
low-income
countries???

Project team: Rwanda-Belgium

Donatilla Mukamana, Olive Tengera, Alice Muhayimana, Josephine Murekezi,
Hilde De Grave, Mieke Embo





 **Medbook.**

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STUDENT'S VIEW



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Training Objectives Learning experiences Evaluations Logbook Portfolio LB Lena Bastiaans Bachelor in obstetrics

Objectives + ADD OBJECTIVE

Select below the criteria for which you want to view the associated objectives.

Search by keyword... Linked to.. Competencies... Status...

	Action points	Status
Paying attention to the cultural / religious / social background of the patients Physiology, care and guidance Ethics and legislation I want to accentuate these points of interest by asking for specific feedback about this and by accurately recording my evolution in my learning moments. View objective	1 / 2 Linked to 2VRK Stage verlos blok B	Requested

Supervisor's view



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Evaluations 2 Students LV Lisa Van der Jeught Supervisor

Validate requested assessments

ASSESSMENT	DATE	ACTION
Competency assessment of Lena Bastiaans	19-01-2021	validate
Reflection competency growth of Lena Bastiaans	19-01-2021	validate

Validate requested goals

OBJECTIVE	DATE	ACTION
Objective of Lena Bastiaans	23-04-2021	validate
Objective of Helena Beeckman	17-12-2020	validate

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SCAFFOLD design

SCAFFOLD







e-Portfolio

Competenties

e-Portfolio

Media Leerartefacten

Upload van device Spreek notitie in

Titel	Datum aangemaakt	Grootte	Duur	Leerartefact	
 VID_DZ23K2990	02/04/2021	25MB	00:06:23	Leerartefact 24/02	...
 IMG_2332	02/04/2021	123MB	/	/	...
 TXT_8292372	02/04/2021	14KB	/	/	...
 VID_DZ23K2990	02/04/2021	25MB	00:06:23	Leerartefact 24/02	...
 IMG_2332	02/04/2021	123MB	/	/	...
 AUD_8292372	02/04/2021	14KB	/	/	...

Competenties

Competenties **Gloobaal****Gloobaal**

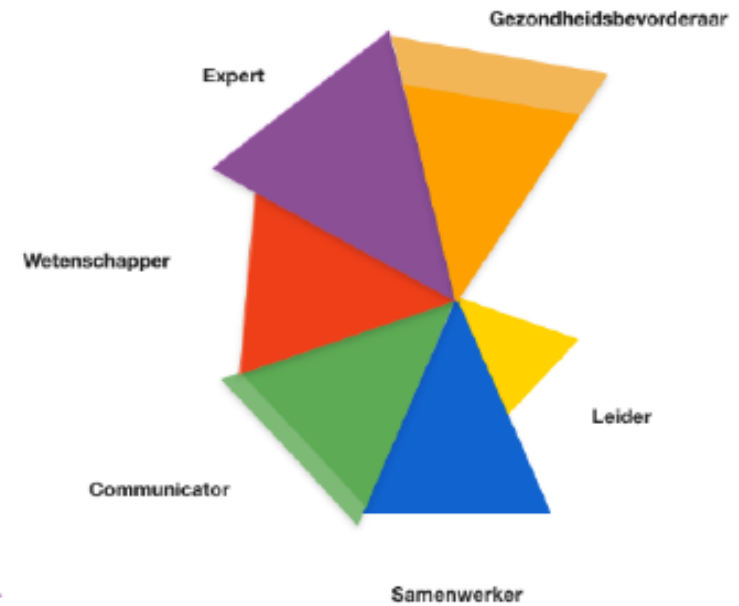
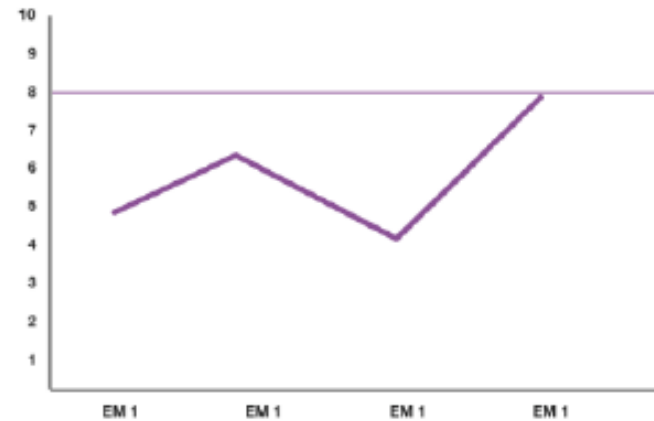
Evaluatiemoment 1

Evaluatiemoment 2

Evaluatiemoment 3

Evaluatiemoment 4

Competentie	Score	Competentieniveau
Expert	8	8
Communicator	6	7
Samenwerker	6	4
Leider	3	2
Gezondheidsbevorderaar	6	8
Wetenschapper	6	6

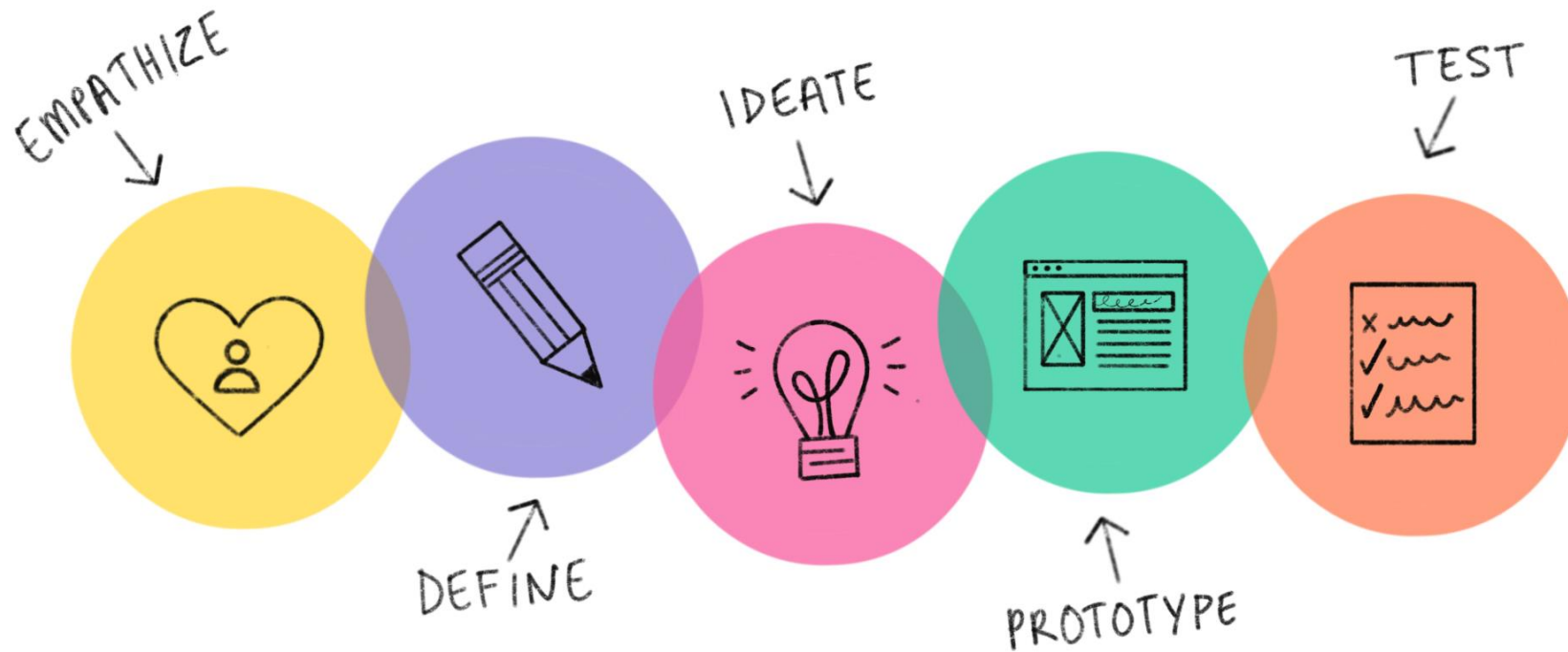


Figuur 3 - Indicatieve wireframe competenties

PhD study in Ethiopia for PhD students

- Research-based
- PhD student will be a member of the SCAFFOLD research group
- Method:
 - Development and validation of the **ePortfolio tool**
 - Development and validation of the PhD **competency framework**
 - Development and validation of the **curriculum blueprint**
 - Development of ePortfolio-based **training**
 - Investigate **policy, legal and ethical aspects: 1) Intellectual property, 2) privacy, 3) data protection, and 4) professional confidentiality.**

User-centered design



- Bottom-up approach
- End-user = partner
- Design thinking
- Interviews, co-creation,...





Thank you!

<https://www.sbo-scaffold.com/en>

<https://www.facebook.com/SBOScaffold/>

Contact

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