

e-Learning benefits, case studies and best practices in different fields of education and training

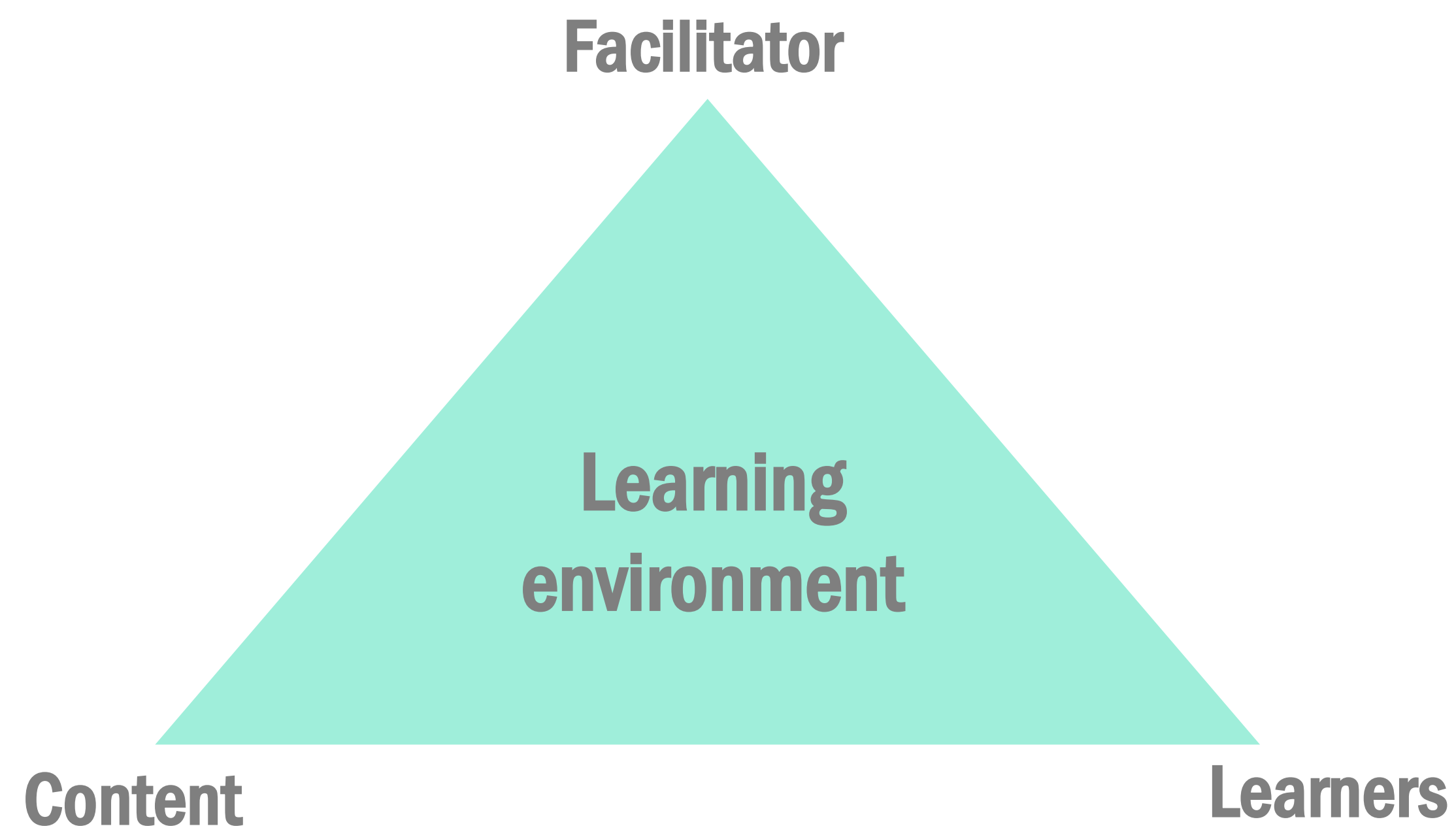
الدورة التدريبية لتطوير أنظمة التعليم الإلكتروني

Outline



What is digital learning ?

Learning using digital technology : digital content, platform or facilitators



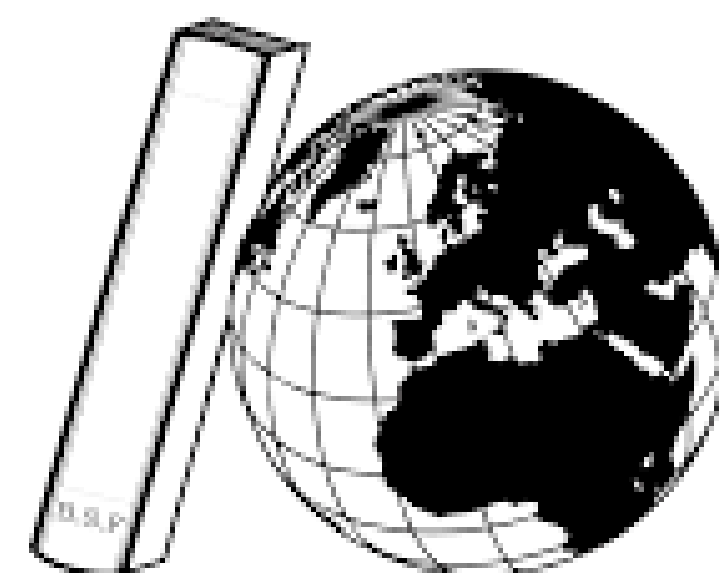
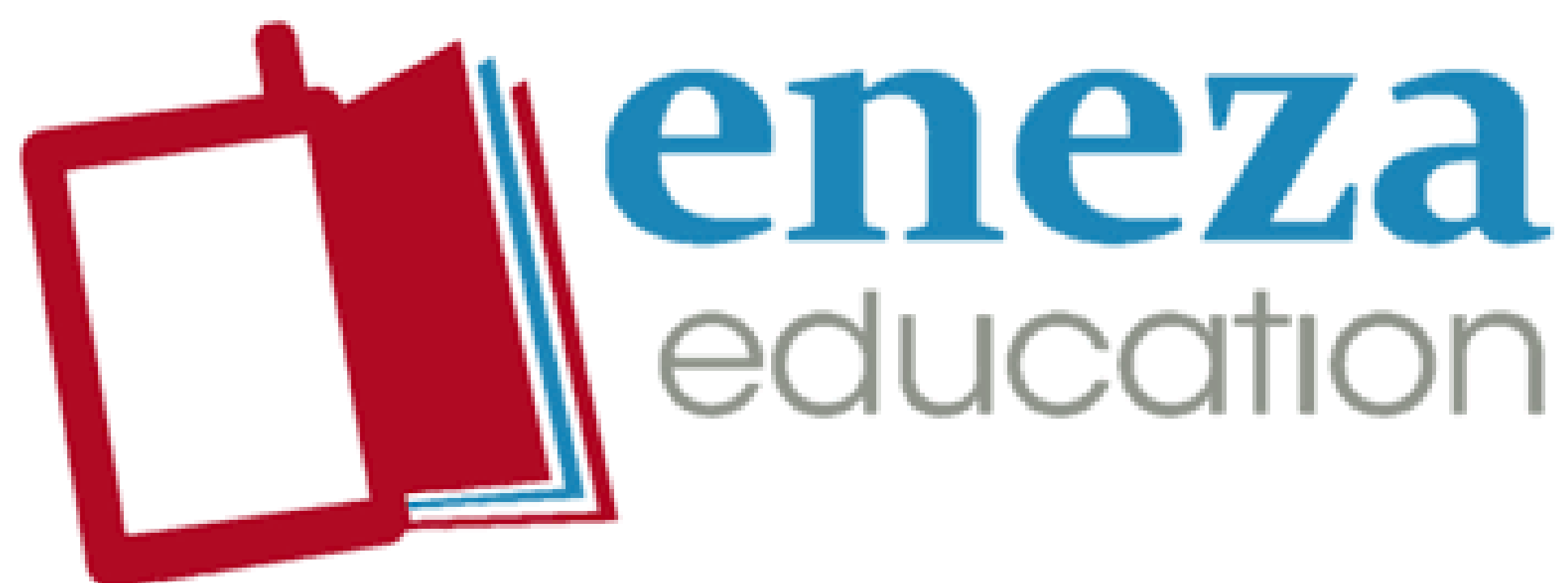
Why go digital ?

Make learning effective, affordable and accessible to everyone

Un apprentissage efficace, abordable et accessible à tous

من أجل تعلم فعال، في المتناول و سهل الولوج للجميع

Examples ?



**Bibliothèques
Sans Frontières**
www.bibliosansfrontieres.org

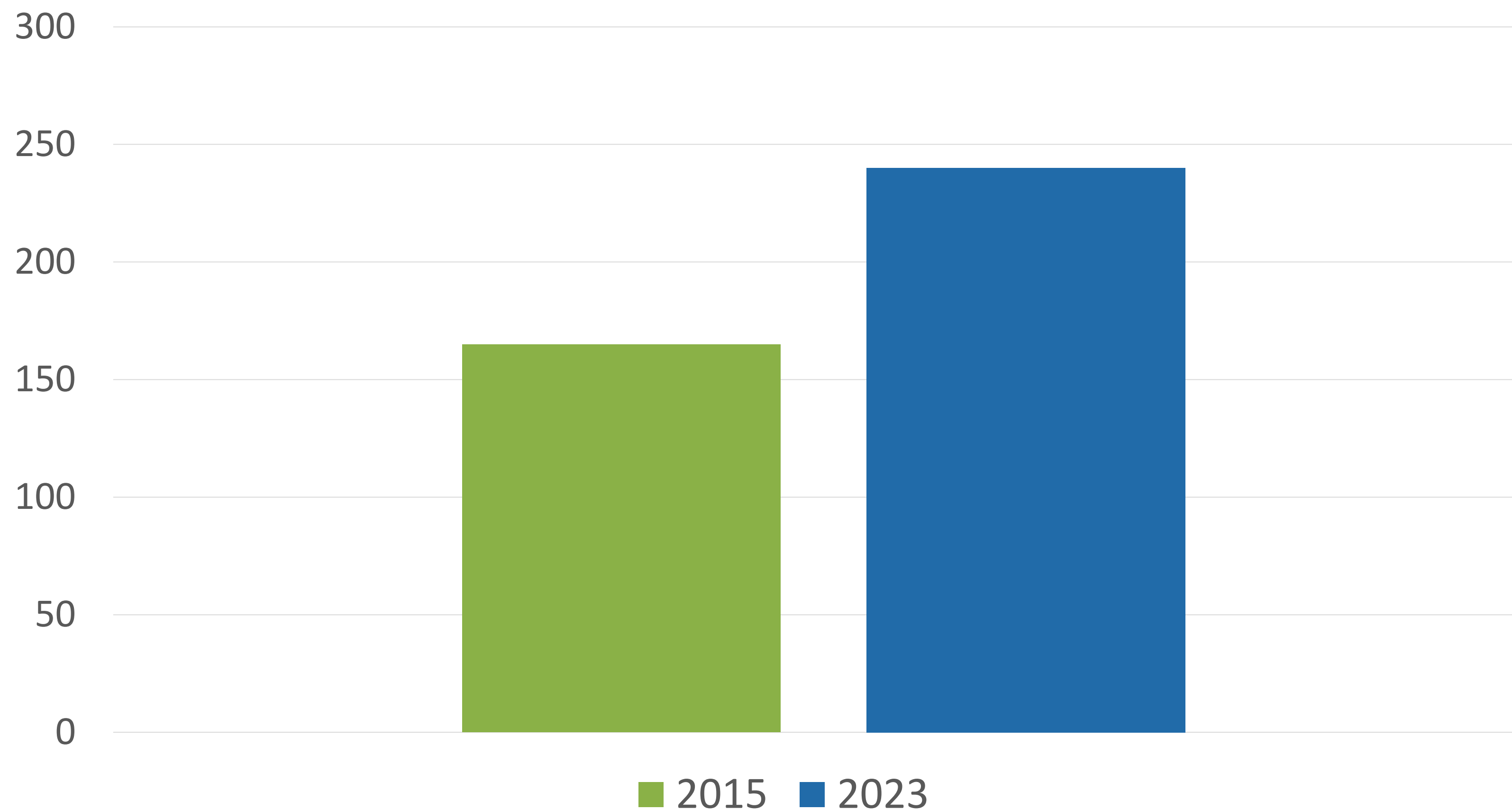
Some Benefits...

- Availability and accessibility for a large public
- Time to training
- Flexibility
- Deeper and active learning
- Individualization
- Cost savings
- Measurability of results
- Environment friendly



E-Learning global market

eLearning market in Billion dollars



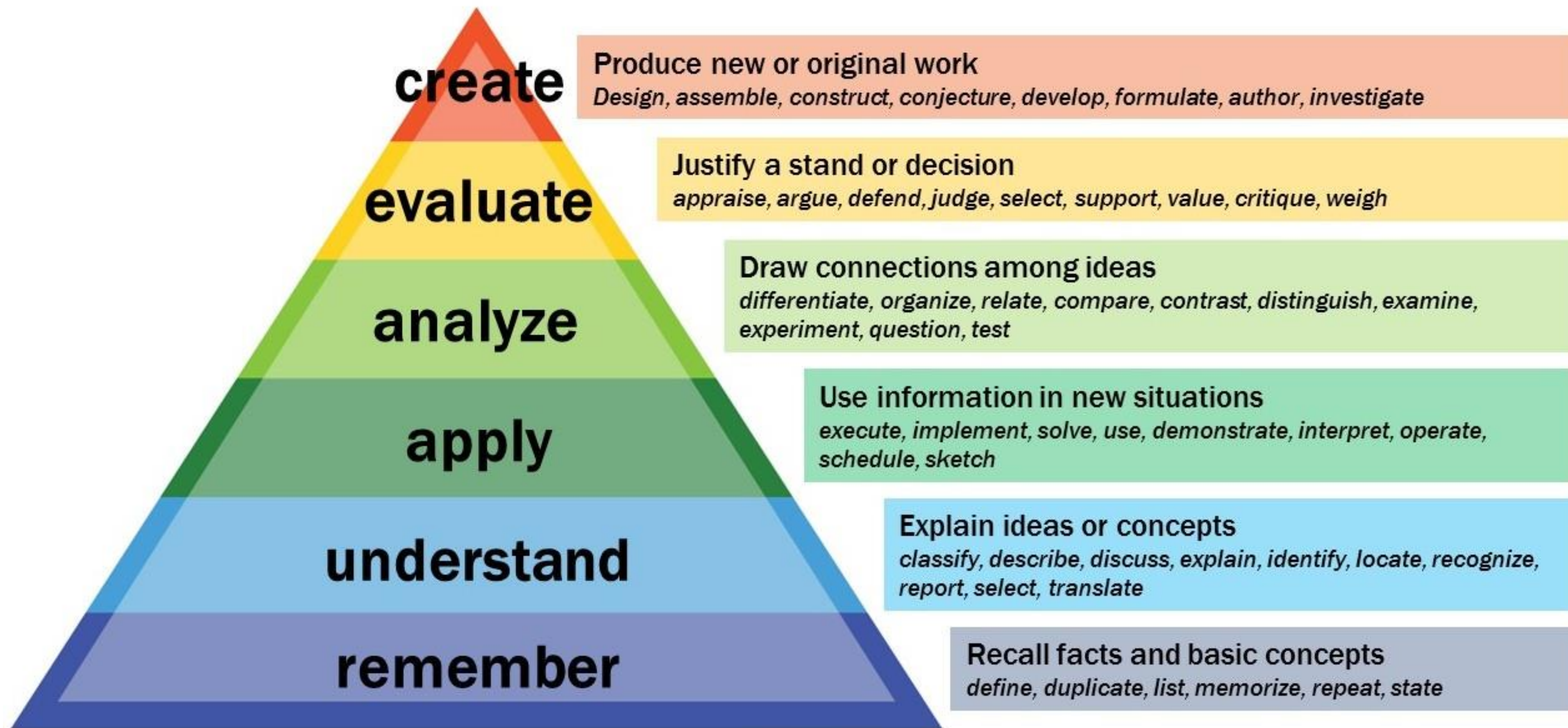
Sources :

<http://www.marketsandmarkets.com/PressReleases/smart-digital-education.asp>

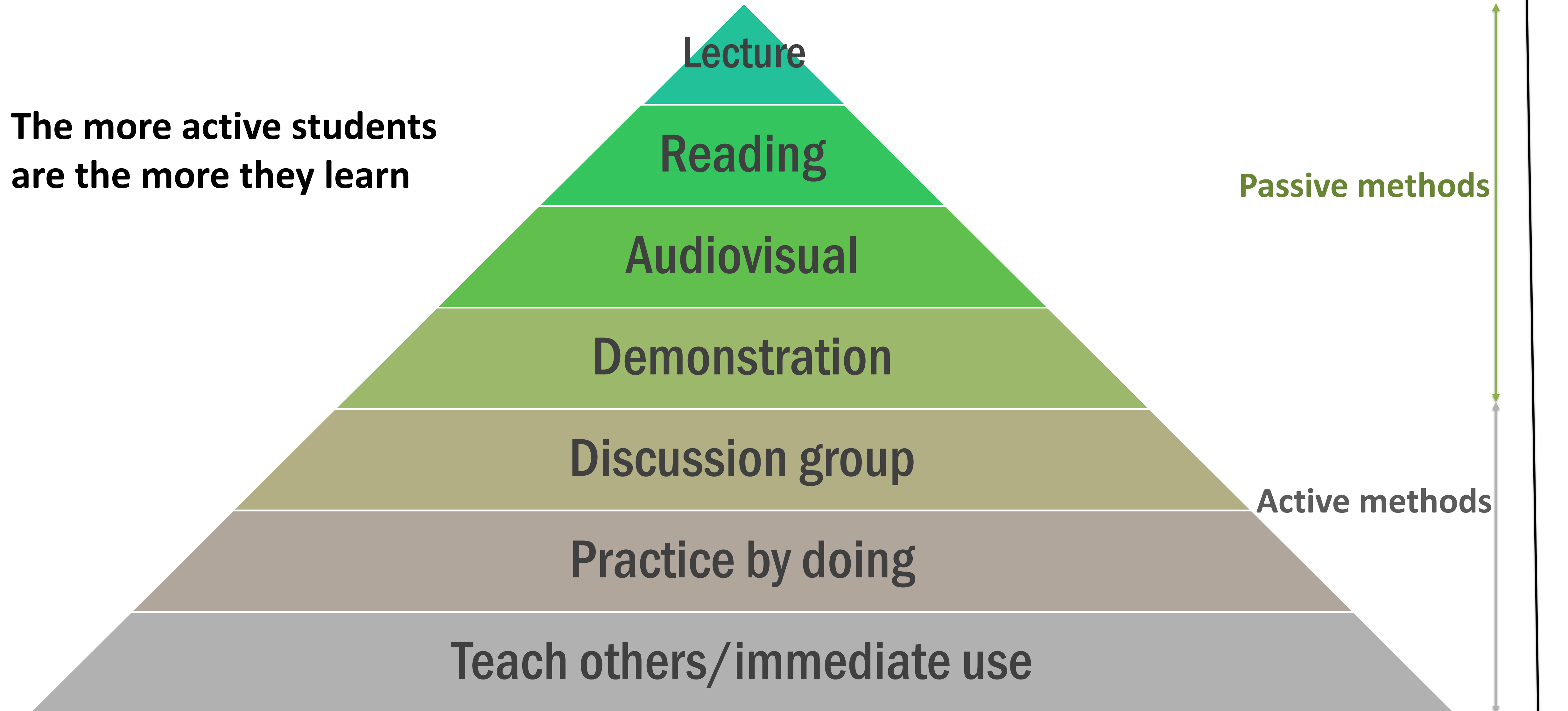
<https://www.docebo.com/landing/contactform/elearning-market-trends-and-forecast-2014-2016-docebo-report.pdf>

Educational goals

Bloom's Taxonomy



The learning pyramid



Sources : National training laboratories, Bethel, Maine

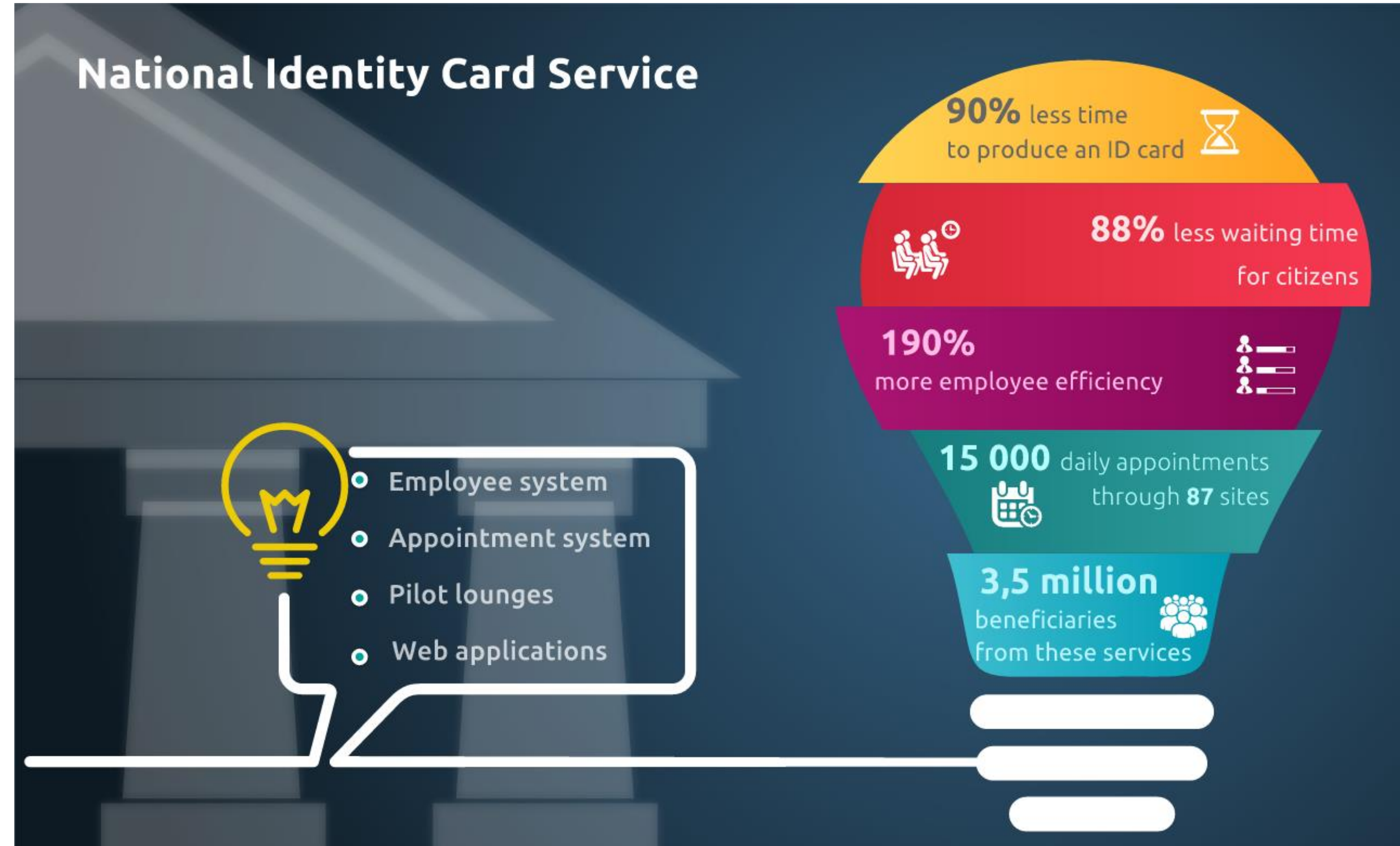
Learning contents

Video (videocasts)



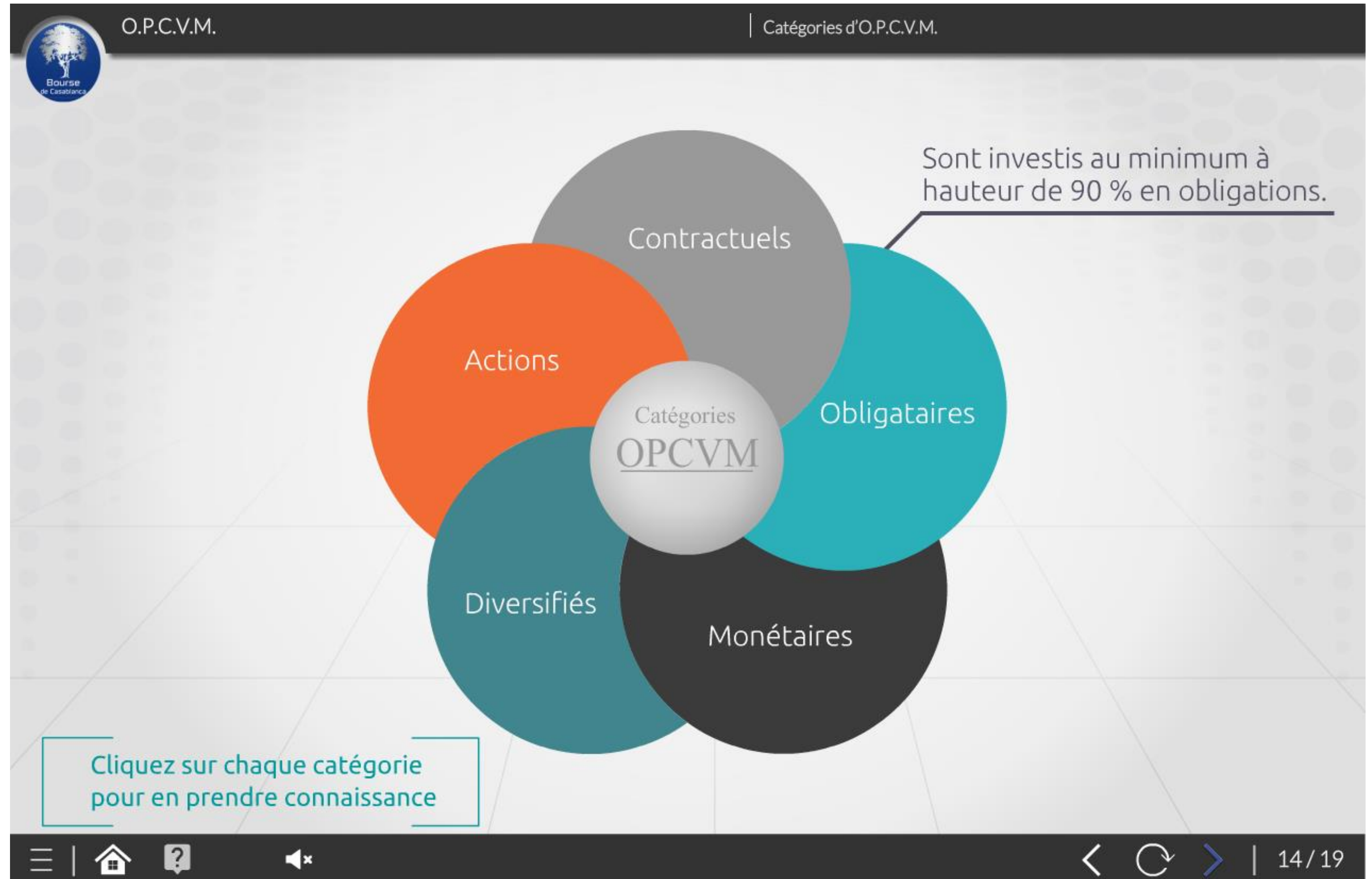
Learning contents

Video (animated videos)



Learning contents

Interactive modules



Learning contents

Flat Design Calculator

Simulation

```
1 background(240, 240, 240);
2 noStroke();
3 fill(204, 204, 204);
4 rect(120,100,270,300,20);
5 fill(255, 255, 255);
6 rect(125,105,260,290,20);
7 fill(46, 129, 217);
8 rect(130,110,250,100,20);
9 rect(130,190,250,20);
10 fill(36, 35, 36);
11 rect(300,115,60,20);
12 fill(171, 171, 171);
13 rect(135,140,240,50);
14 fill(214, 214, 211);
15 rect(140,145,235,45);
16 fill(207, 209, 205);
17 triangle(270,190,375,190,200,145);
18 triangle(375,145,375,190,200,145);
19 fill(90, 143, 199);
20 rect(140,220,35,15,5);
21 rect(190,220,35,15,5);
22 rect(240,220,35,15,5);
23 rect(290,220,35,15,5);
24 rect(340,220,35,15,5);
25 rect(340,245,35,25,5);
26 rect(340,280,35,25,5);
27 rect(340,315,35,25,5);
```



Spin-off

Learning contents

Game based learning

Les styles de communication

Critères de dominance et de sociabilité

Auto-diagnostique

Placez chaque personnage de cette situation à l'endroit qui lui correspond dans le continuum de la sociabilité et de la dominance.

Dominance faible

Dominance élevée

Sociabilité faible

Sociabilité élevée

Nelly Samia Nadine

Menu

Accueil

6 / 23

Quiz

Ressources

Aide

Son

Learning methods

Self study

- uses wiki, blog and any reading material like ppt, pdf files

Web based training

- LMS, LCMS
- MOOC, COOC, SPOC, ...

Social learning

- Interact within themselves and other like-minded people.
- Collaborate and network on social platforms or collaborative functionalities to discuss problems, queries, and experiences

Mobile learning

- Small chunks of contents adapted technically and pedagogically

Blended learning/instructor lead learning

- Mixes several synchronous and asynchronous learning methods, in classroom and online
- Flipped classroom

Blended Learning

Innoovez



Formation classique



“
The best of two worlds
”

Matching exercise

Learning pyramid

Lecture

Reading

Audiovisual

Demonstration

Discussion group

Practice by doing

Teach others/immediate use

Simulation

Videocast

Documents

Interactive
scenarized modules

Game based learning

Animated
videos

Bloom

Remember

Understand

Apply

Analyze

Evaluate

Create

Web based Training
(LMS/LCMS, MOOC, ...)

Blended learning /
Instructor-led (ILT)

Social learning

Mobile learning

Emerging technologies



- Big data for more personalized learning
- Virtual and enhanced reality
- Internet Of Things

Employability and higher education

Design and deploy **personalized**, yet **affordable Blended** learning for a better **social** and **economic insertion**



eLearning project milestones



Off-the-shelf training collections

Office automation
and ICT basics



Management



Communication
and life skills



Job hunting
techniques



Languages

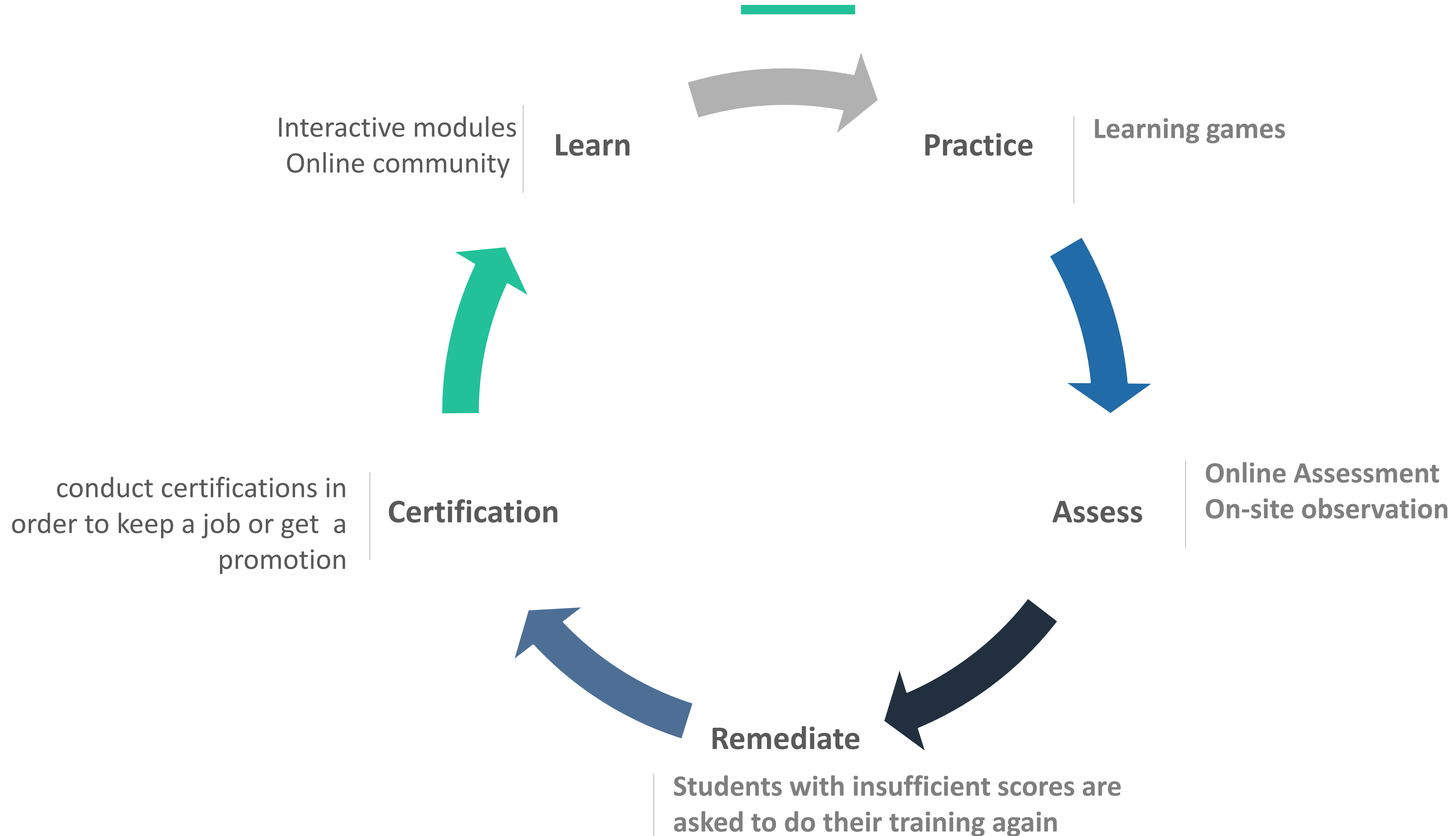


A woman with dark hair tied back, wearing a large headset with a microphone, is seated in an office chair. She is looking down at a laptop screen, with her hands on the keyboard. The background is a blurred office environment with a glass partition and some office supplies. The image has a warm, slightly desaturated color palette.

Corporate and public administrations

Empower and motivate learners, link learning to performance

Salesforce certification program

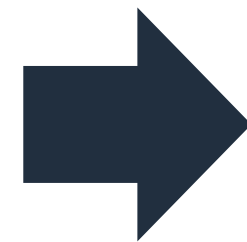


Massive training through open platforms

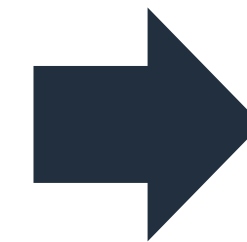
Stock-exchange : www.elearning.ecole-bourse.ma

Innovation and Intellectual Property : elearning.amapic.ma

Self-registration
Interactive modules



Training
Learning games
Interactive modules
Collaborative tools



Obtain certification
Online assessments

**Levels of
proficiency**

Initiation

Skills' improvement

Qualification

Certification

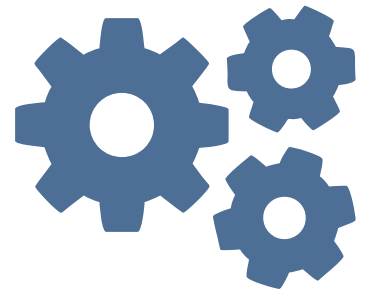


Digital inclusion

Promote a digital culture among all segments of society to make it fairer, more cohesive and more participatory

Areas of focus

Employability:

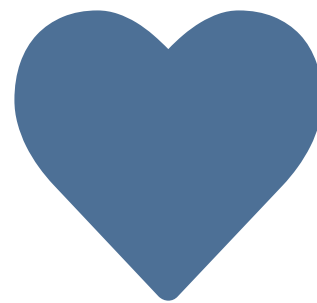


- Boost youth employability through digital careers
- Make job search more effective by using digital media
- Optimize the use of new information technologies at work



Associations

Support performance and involvement of civil society actors through digital media



Women inclusion

Strengthen women's social and societal standing through digital capabilities



Entrepreneurship

Increase income-generating activities' performance through the integration of digital media in commercial and managerial practices



E-Gov

Promote and train on e-Gov

Key success factors

Combining teaching ICT
with other non-digital
knowledge

Promote local content

Create a cultural and
gender community
through training
environment

Adapt the learning mode
to objectives and targets
(blended learning,
mobile learning, etc.)

Raising awareness and
breaking down the
psychological barriers

Benefits

- Improving training impact through individualized learning
- Detailed tracking and measurable performance indicators
- Autonomous and flexible use for all the training system actors
- Unified pedagogical approach between trainers
- Deepening learning through inverted classroom

Key success factors

- Specify objectives and the KPI's, study the target and design the system with the actors managers, trainers, learners, etc.)
- Communicate, train and manage the change with the pedagogical staff
- Structured, high quality content
- Gamification and interactions
- Choose scalable infrastructure
- Integrate classroom courses finely with the online system
- Individualize learning
- Create and animate learning communities
- Follow, motivate, recognize
- Measure and adjust

Homework



<https://www.coursera.org/>

15+ million learners

- 1- Create a login/password
- 2- Follow a part of a course that interests you
- 4- For Khan Academy create a coach account and associate it to your learning account to follow progress
- 5- Fill the following Evaluation grid : Google form :
<https://docs.google.com/a/proactech.net/forms/d/1NGHT71VVYtmgo5wIFvvpPNkFmywAuHthHXnkz31IRRC/edit?usp=sharing>



<https://fr.khanacademy.org/>
<https://www.khanacademy.org/>

10+ million learners

Math/Computer programming

Webo

<http://trueafrica.co/lists/e-learning-platforms-africa-tutor-ng-mest-school-education-startups/>

<http://fr.proactech.net/blog/>



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