

The background features a gradient from light green at the top to dark blue at the bottom. It is decorated with various circular and semi-circular patterns, some with tick marks and numbers, resembling a technical or scientific interface. A large, bold white number '1' is positioned on the left side.

1

MILOS

# INTRODUCTION



**MILOS stands for :**

**MicroLearning Open  
Science.**



**Microlearning : Short training  
sessions**

Each lesson and activity lasts from  
30 seconds to 2 minutes.



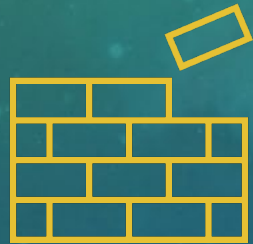
**Mobile learning**

All the content is accessible from  
computers and mobile devices  
(Smartphones and tablets).

The background features a vertical gradient from light green at the top to dark blue at the bottom. On the left side, there are several semi-transparent circular elements: a large scale with numerical markings from 140 to 260, and several smaller circles with arrows indicating clockwise or counter-clockwise rotation. The text 'TOPICS COVERED' is centered on the right side in a white, sans-serif font.

# TOPICS COVERED

# TOPICS COVERED



## MILOS is a Prototype

We created modules to evaluate the potential of the project.



## Two themes are covered

The basics of Open Science  
Open Research Data

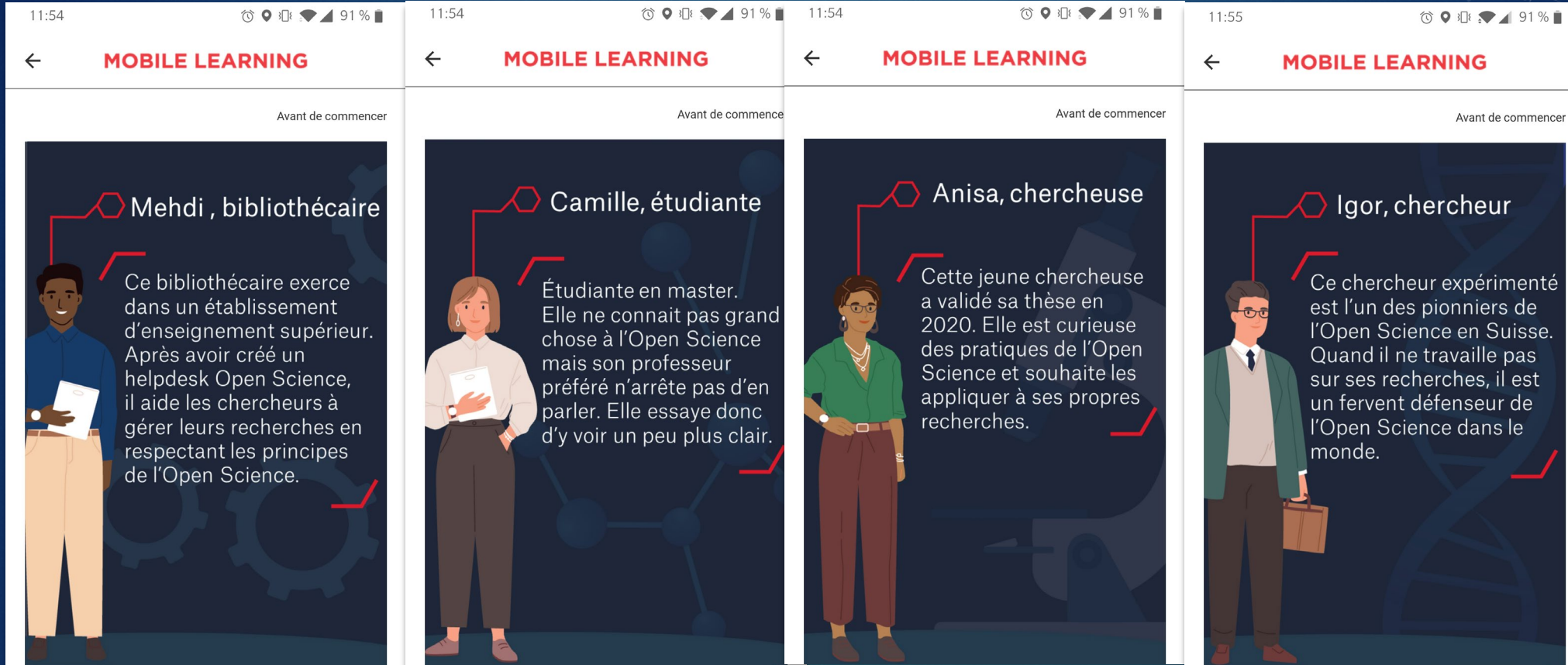
# GOALS

Explain the basic principles of Open Science to a non-expert audience.

Evaluate the effectiveness of microlearning to explain complex concepts to an informed audience

The background features a gradient from light green at the top to dark blue at the bottom. On the left side, there are several circular and semi-circular patterns. A prominent one is a large arc with a scale from 140 to 260. Other elements include smaller circles with arrows, dashed lines, and a dotted line. The overall aesthetic is technical and futuristic.

# LEARNING FORMATS



# LEARNING FORMATS : PERSONAS

WE CREATED PERSONAS FOR PARTICIPANTS TO IDENTIFY THEMSELVES.

# A VARIETY OF LEARNING FORMATS

- Podcasts, infographics, Flash cards, gamification, etc.
- We offer a large variety of learning formats.

14:09

← **MOBILE LEARNING**

Transformer la science

## Pour récapituler

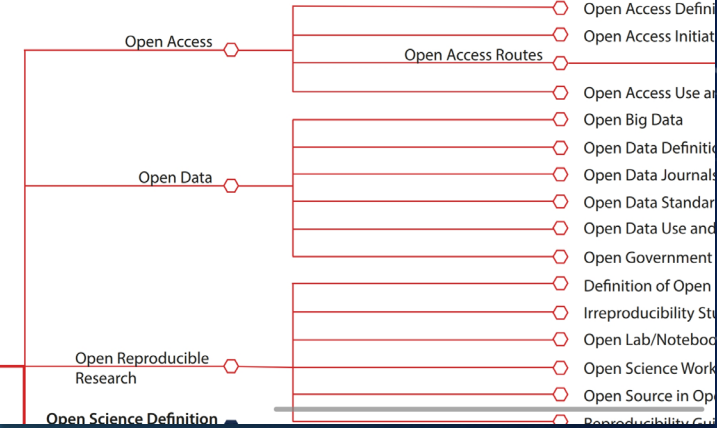
L'objectif de l'Open Science est d'augmenter la qualité, la fiabilité et la reproductibilité de la recherche scientifique.

Pour cela, elle s'appuie sur 5 piliers :


- L'Open Research Data
- L'Open Access
- L'Open Innovation
- L'Open Education
- La Citizen Science



onomie.pdf



- Open Access
  - Open Access Definition
  - Open Access Initiative
  - Open Access Routes
  - Open Access Use and
- Open Data
  - Open Big Data
  - Open Data Definition
  - Open Data Journals
  - Open Data Standards
  - Open Data Use and
  - Open Government
- Open Reproducible Research
  - Definition of Open
  - Irreproducibility Sta
  - Open Lab/Notebook
  - Open Science Work
  - Open Source in Op
  - Reproducibility Cur
- Open Science Definition



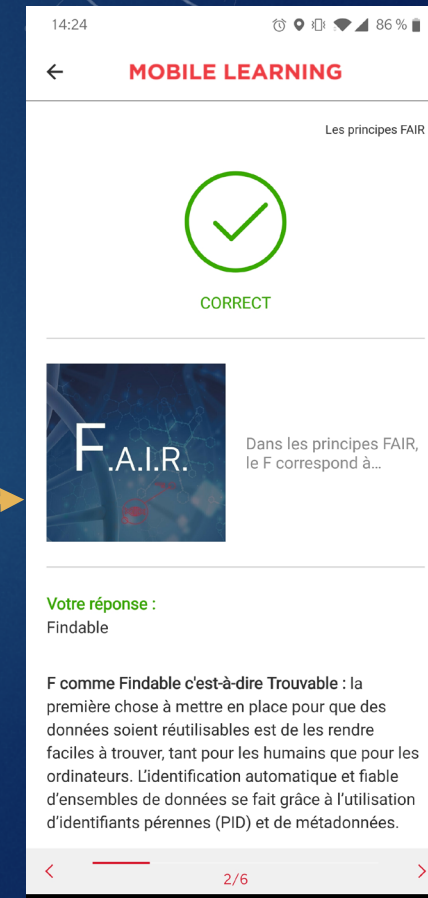
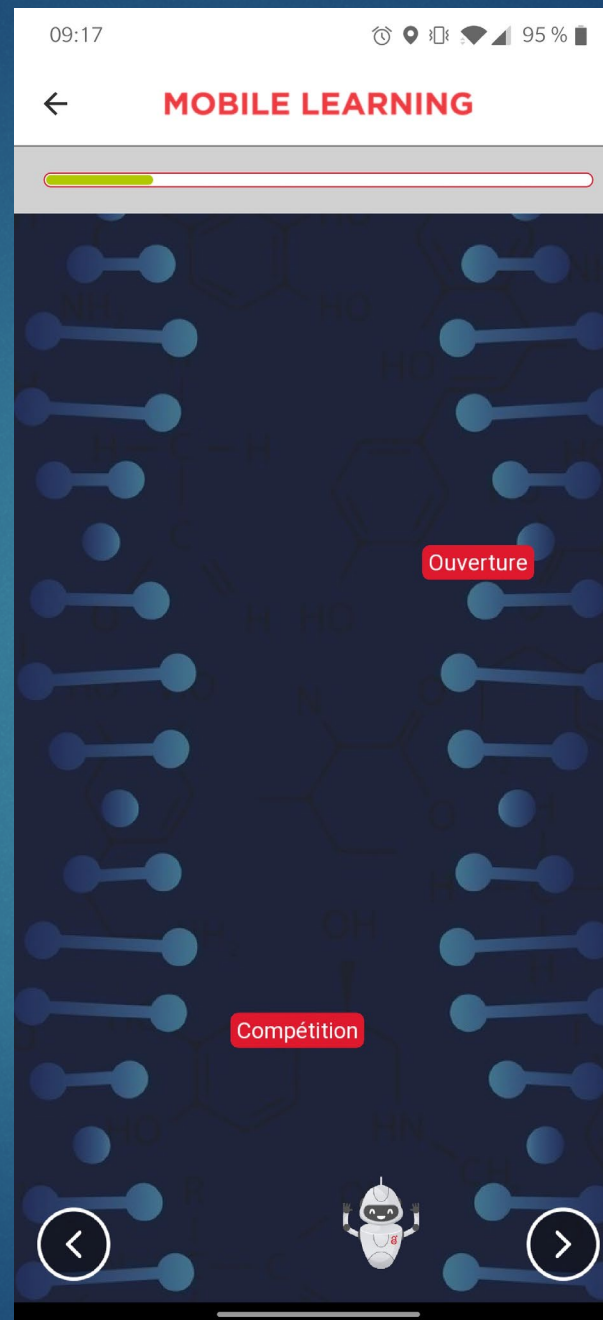
Bien sûr, OPSCI est là pour ça !

▶ 0:00 ● 1:30



# LEARNING FORMATS : GAMIFICATION & QUIZ

- SMALL GAMES HAVE BEEN CREATED TO FACILITATE LEARNING.
- QUIZZES ARE PEDAGOGICAL TOOLS AND HELP PARTICIPANTS TO LEARN



# FEEDBACKS



# THE SURVEY



## Our survey

From September 1st to 30th we opened the prototype and launched a survey.



## 50 test takers

Mainly information science professionals.

# POSITIVE FEEDBACKS



**95.7% of participants liked the prototype.**



**82,6% think the training could be useful.**



**100% of participants found the information clear.**

# ROOM FOR IMPROVEMENT

- Level of training
  - Create a microlearning for beginners and one for experts.
- « Learn more » button
  - Enable participants to learn more about specific topics.
- Improved design
  - Create custom design and activities.



THANK YOU



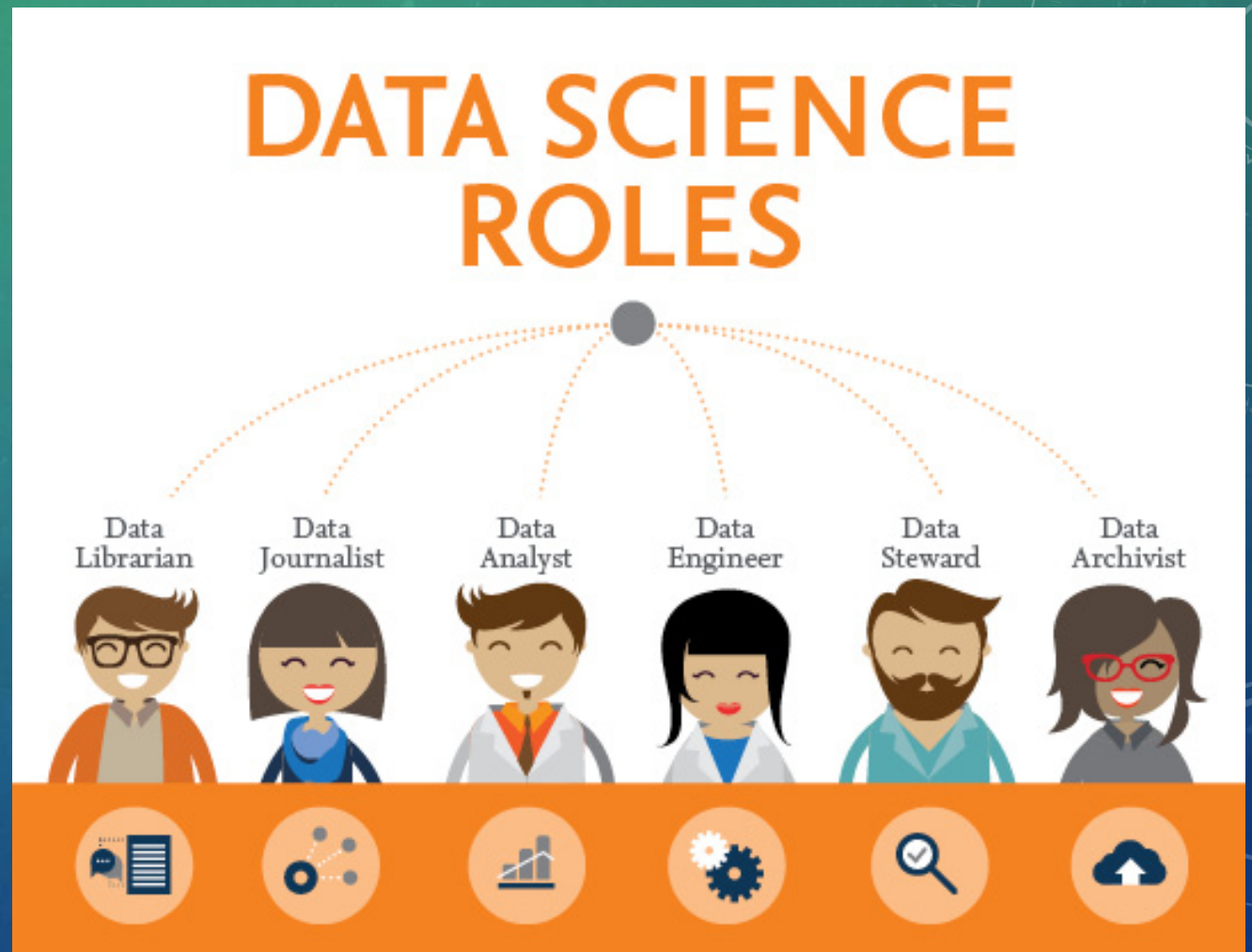
# 2

# TRAIN2DACAR

Train the Trainer for Data Curation in Advanced Research

<https://campus.hesge.ch/researchdatamanagement>

# TARGET AUDIENCE



<https://libraryconnect.elsevier.com/articles/learning-about-research-data-lab-pitt-ischool>





# ADVANCED MODULES

V. Data and the Humanities

VI. Formats, Software, Migration and Archiving

VII. Scientific Editions (TEI)

VIII. Tools (to support Humanities)



# TRAIN-THE-TRAINER MODULE

## IX. Train the trainer workshop

1 day workshop - repeated several times (on a national and international level)

Research Data Literacy. In: *ECIL 2013*, p. 134-140.

Training trainers for research data literacy : a content- and method-oriented approach. In: *ECIL 2017*. p. 139-147.



# E-LEARNING MODULE USING THE E-CLASS REFERENCE MODEL

**E** = Explain

**C** = Clarify

**L** = Look

**A** = Act

**S** = Share

**S** = Self Evaluate/Submit

Gerson, E. (2000): E-CLASS: Creating a Guide to Online Course Development For Distance Learning Faculty.

<http://www.westga.edu/~distance/ojdla/winter34/gerson34.html>

ECLASS - The pedagogical concept behind eLML:

[http://www.elml.ch/website/en/html/about\\_concept.html](http://www.elml.ch/website/en/html/about_concept.html)

# PLUS

## SCENARIO

Jonin ist Mitarbeiter des Langzeitarchivs einer schweizerischen Universitätsbibliothek. Die Direktion seiner Bibliothek hat das Thema Forschungsdatenmanagement im Strategieplan 2020 verankert und die Abteilung, in der Jonin arbeitet, damit beauftragt, ein Konzept für die Langzeitarchivierung von Forschungsdaten zu erstellen. Zeitnah soll Jonin dem Rektorat in einem Vortrag die Grundlagen des Forschungsdatenmanagements näher bringen.

- Scenarios and Essentials

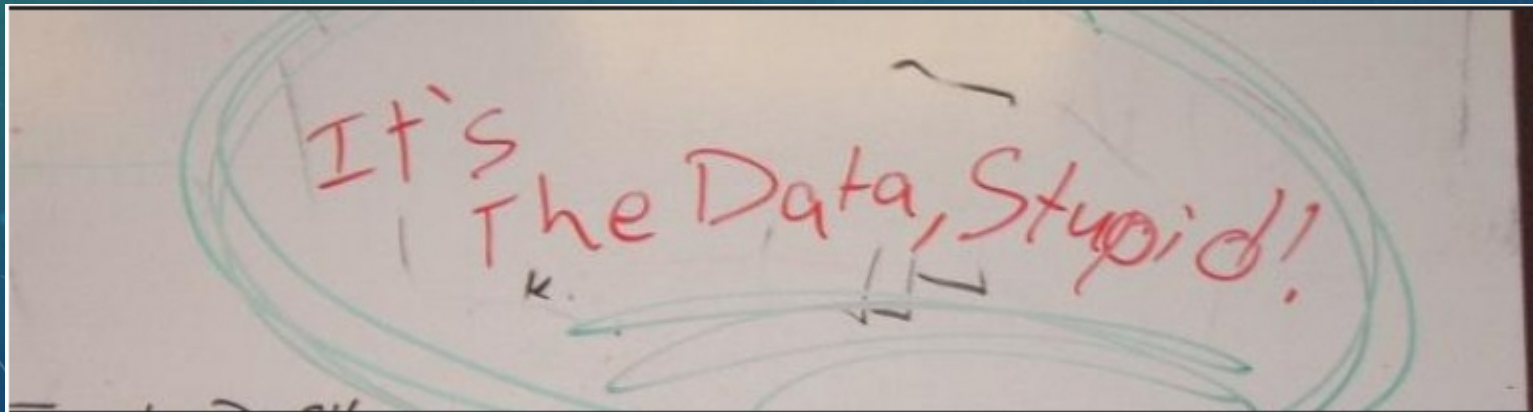
# LESSONS LEARNED

- Successful training depends on many parameters:
  - Teacher
  - Audience
  - Language
  - Space
- Overall satisfaction almost impossible to achieve!

# LESSONS LEARNED



- Docendo discimus.
- Reduction is essential.



<https://itsthedatastupid.wordpress.com/about/>