

**EDUCABILITY**  
Final Conference and  
Dissemination Event

**“Building the Capacity of Educators  
& Librarians in Information Literacy”**

**22**  
wednesday  
**February**

**EDUCABILITY**  
An opportunity for  
**EDUCATORS & LIBRARIANS**  
to **BUILD CAPACITY**  
IN INFORMATION **LITERACY**  
**“Project Overview”**

[Dimitrios Kouis](#), [Foteini Efthymiou](#), [Georgios Giannakopoulos](#), [Daphne Kyriaki-Manessi](#), [Nikolaos Lazaridis](#)

**Project Partners**



Library and  
Information  
Services



Center for Social  
Innovation



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Universidad  
**Carlos III**  
de Madrid

**Conference co-organizer**



**Sponsors**



Co-funded by the  
Erasmus+ Programme  
of the European Union

# Direction 1 → Strategic

**EDUCABILITY**  
2020-2023  
Transnational Project



 Cyprus University of Technology | Library and Information Services

 Center for Social Innovation



 ΠΑΝΕΠΙΣΤΗΜΙΟ ΔΥΤΙΚΗΣ ΑΤΤΙΚΗΣ  
UNIVERSITY OF WEST ATTICA



 UNIVERSITAS STUDIORUM  
NEOPLANTENSIS



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# Direction 2 → Conceptual

## EDUCABILITY Information Literacy



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de Madrid



Digital  
Literacy



Mobile  
Literacy



Media &  
Information  
Literacy



Sustainable  
Development  
Literacy



Critical  
Information  
Literacy




Data  
Literacy

# Direction 3 → Technological

Information Literacy Training Package

Educability



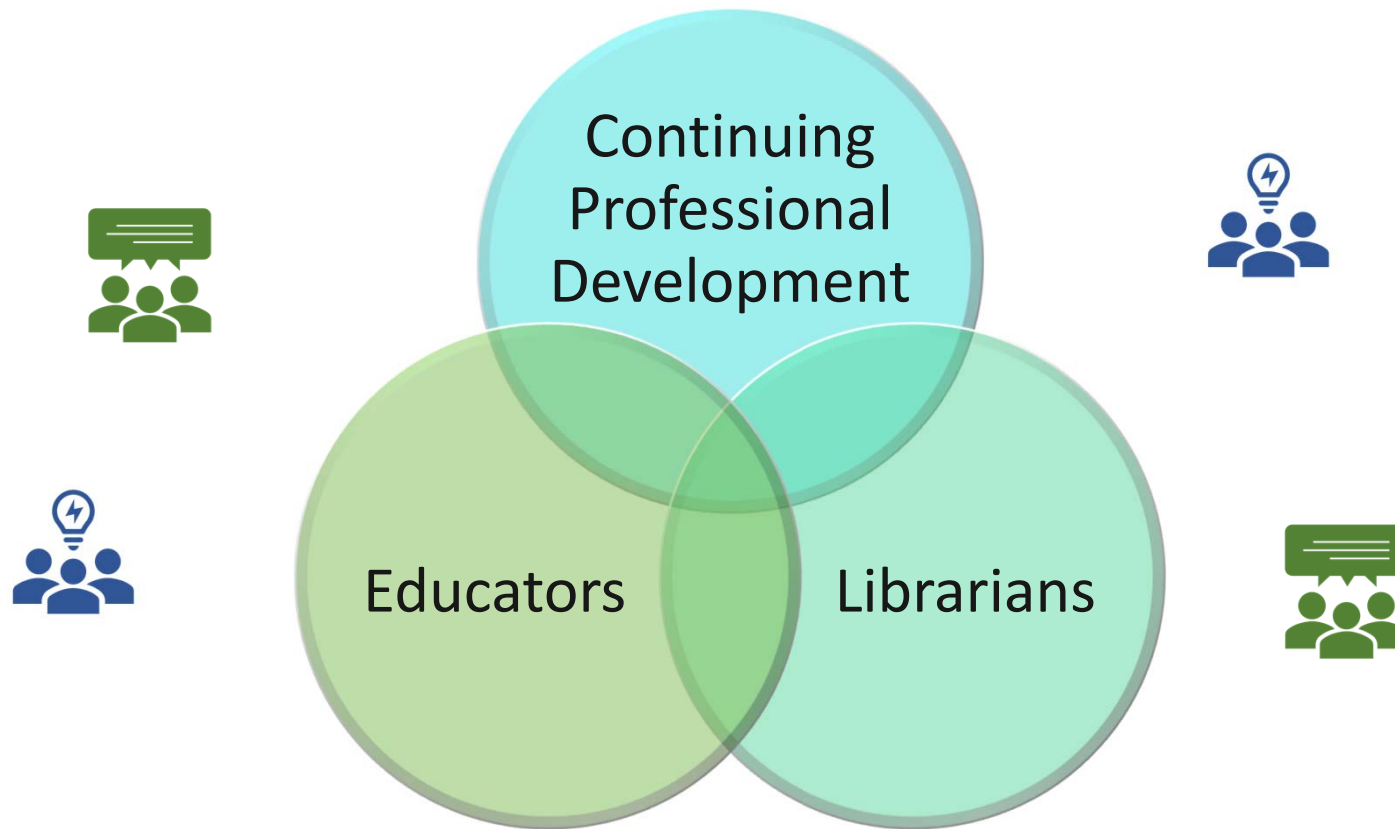
Building the capacity of  
educators & librarians in  
Information Literacy

*EDUCABILITY - Building the Capacity of Educators & Librarians in Information Literacy\* is an Erasmus+ KA2 project*



EDUCABILITY Final Conference and Dissemination Event – Wednesday, 22 February 2023 – Limassol, Cyprus

## Direction 4 → Educational



# EDUCABILITY - The Process



Research Source  
Mapping for 6  
Literacies

60 IL Experts/6  
Delphi Studies

TILEM Book

IO1 – Translational  
Information Literacy  
Ecosystem Mapping - Book

IL Curriculum  
Development

6 Literacies  
Curricula  
Development

SILLMCD

IO2 – Six Information  
Literacy Learning Modules  
Curriculum Development

ILTP & Web  
Portal Pilot  
Implementation

ILTP & Web  
Portal  
Evaluation

ILTP & Web  
Portal

IO3 – Information Literacy  
Training Package

Memorandum  
Preparation

Memorandum  
Negotiation

TMCST

IO4 – Transnational  
Memorandum of  
Cooperation, Sustainability  
and Transferability



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# EDUCABILITY - The Outcomes

- Over 700 Information Literacy scientific references to study
- 6 suggested Information Literacy related curricula, evaluated by 60 experts in 4 countries
- 7 Information Literacy related open access, self-paced, free to download e-courses for educators and librarians, containing
  - 40 modules
  - Over 160 learning and teaching activities (e-quizzes, reflective questions and answers, crosswords, flash cards, videos, etc.)
  - Rich complementary teaching and learning material

# EDUCABILITY - The Opportunity

## **An opportunity for educators and librarians to**

- improve their existing skills
- develop new ones
- support their continuing professional & personal development at their own pace and free of charge
- act as multipliers of Information Literacy skills and the related subjects, to the communities they serve



# EDUCABILITY - The Opportunity

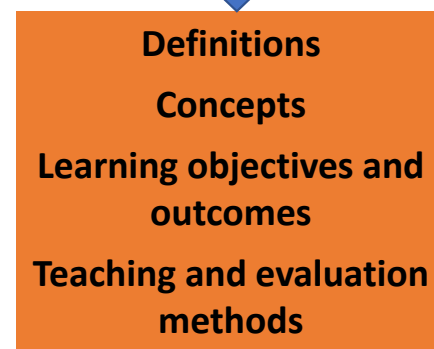
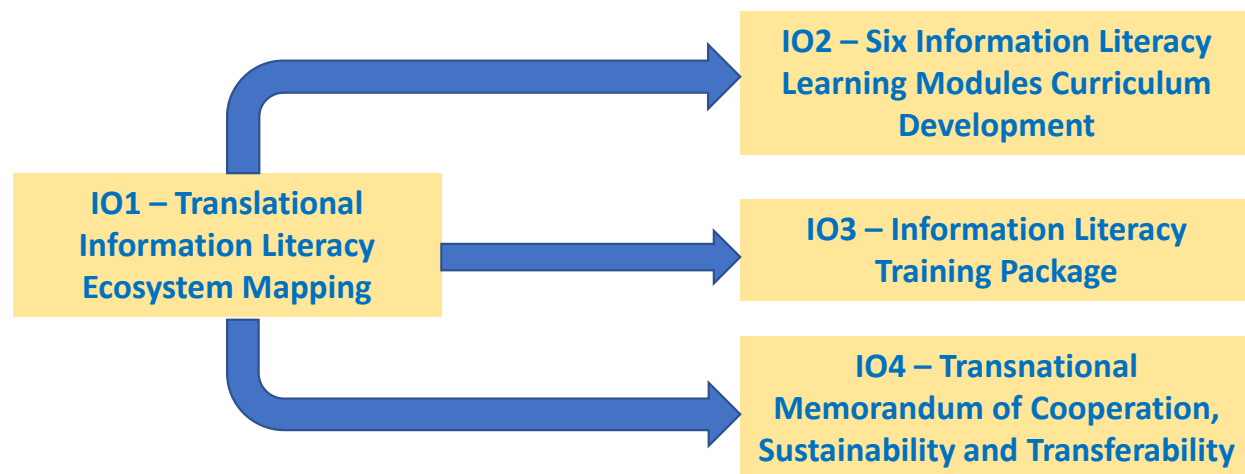
## **An opportunity for educators and librarians to**

- become members of the EDUCABILITY community by creating and sharing their own Information Literacy e-content
- contribute to establishing a common understanding of the value of Information Literacy
- expand the know-how and the infrastructures that support collaborative and transnational initiatives for Information Literacy
- disseminate the benefits towards the wider society

# Presentation of IO1 – Transnational Information Literacy Ecosystem Mapping

# IO1 – Translational Information Literacy Ecosystem Mapping

- **Task 1** – Mapping of the state of research in Information Literacy and in Emerging Literacies
- **Task 2** – Trainees’ needs analysis & creation of a Pool of 60 experts
- **Task 3 – Delphi Studies**
- **Task 4** – Complete Transnational Information Literacy Ecosystem Mapping (TILEM)-Book

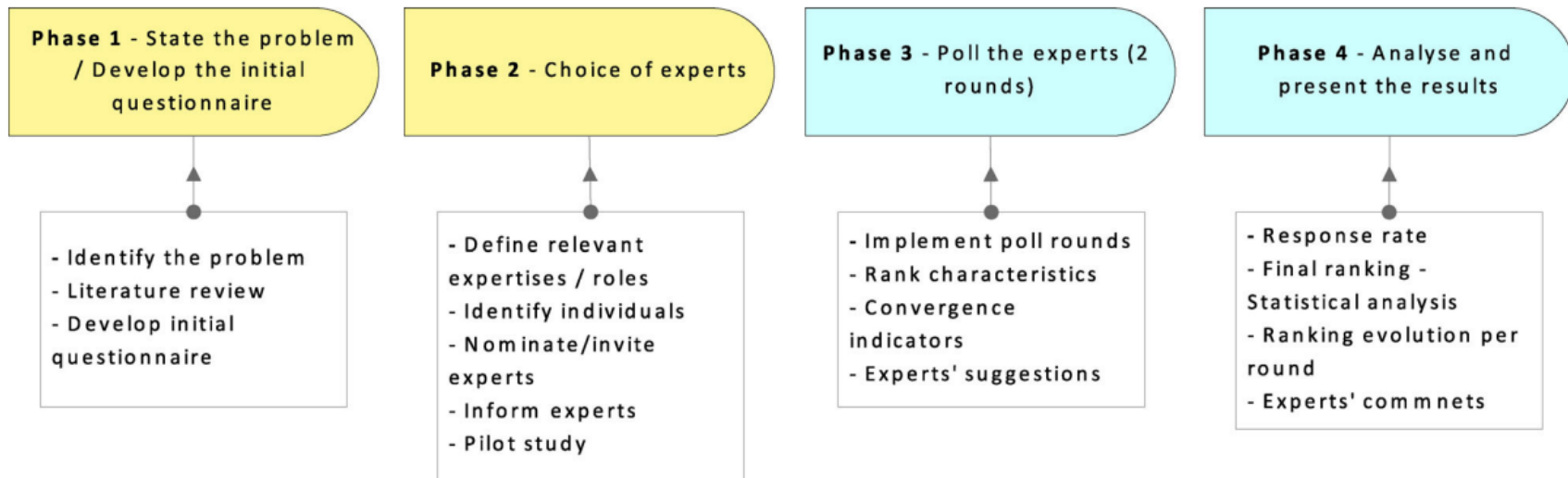


## Task 3 – Delphi Studies

- A two-round Delphi Study was employed to verify and assess the appropriateness and importance of the following characteristics per each Information related Literacy:
  - **definitions**
  - **key concepts**
  - **key learning objectives and outcomes**
  - **key teaching and evaluation methods**
- The process took place online, during December 2021, via a special software (Welphi), which can support the Delphi method requirements
- Librarians (of any type), academic librarians, and information science researchers have participated in 122 LIS Delphi studies since 1970\*.

\* Lund, B. (2020). Review of the Delphi method in library and information science research. *Journal of Documentation*, 76(4), 929–960. <https://doi.org/10.1108/JD-09-2019-0178>

## Task 3 – Delphi Studies



The methodology phases that were followed in the present survey are illustrated in Figure 1 and are slightly simplified in comparison to the ones presented by Kobus and Westner (2016) \*, in order to be more compatible with the time constraints and effort required on behalf of the participants.

\* Kobus, J., & Westner, M. (2016). *Ranking-type Delphi studies in IS research: Step-by-step guide and analytical extension* [Paper presentation]. *Proceedings of the 9th IADIS International Conference Information Systems 2016, IS 2016*, pp. 28–38.

<http://www.iadisportal.org/digitallibrary/ranking-type-delphi-studies-in-is-research-step-bystep-guide-and-analytical-extension>

# Welphi – MIL Definitions

MIL – D1: “Media and Information Literacy” (MIL) is defined as a combination of knowledge, attitudes, skills and practices required to access, analyze, evaluate, use, produce, and communicate information and knowledge in creative, legal and ethical ways that respect human rights. Media and information literate individuals can use diverse media, information sources and channels in their private, professional and public lives.

UNITS

RANGE

ANSWER

Points

1-10



6

MIL – D2: The area of Information Literacy (IL) can intertwine with knowledge from other areas, like Media, and is closely associated to Education. People who have developed IL skills are also competent learners as well as information producers. “Media and Information Literacy” (MIL), in particular, encompasses the knowledge, attitudes and sum of skills that allow individuals to know when and what information is needed, where and how to obtain this information, how to critically assess and organize it, once found and how to use it ethically. The concept extends beyond Information and Communication Technologies (ICT), including learning, critical thinking and comprehension skills that meet and exceed professional and

Points

1-10



7

# Welphi – MIL Key concepts

PLEASE DRAG AND DROP TO ORDER BY IMPORTANCE

1	Introduction to Media and Information Literacy-MIL	⋮
2	Libraries as pioneering agents of IL and MIL Skills	⋮
3	Critical Consumption of Information and Media Content	⋮
4	Ethical Use & Production of Information and Media Content	⋮
5	Tailoring MIL skills to teaching specific fields	⋮
6	Understanding Mainstream (Traditional & Digital) Media as Information Providers	⋮
7	Understanding Alternative Media as Information Providers	⋮
8	Understanding the "Free" Internet as Information Provider	⋮
9	Understanding and Evaluating Advertisements	⋮

# Welphi – MIL Learning Objectives

	Completely Agree	Agree	Disagree	Completely Disagree
<p><b><u>KC1-Introduction to Media and Information Literacy-MIL</u></b></p> <p>This Unit aims to introduce trainees, namely educators and librarians, to the main theoretical concepts of “Media and Information Literacy”.</p> <p><b>This Unit learning objectives are:</b></p> <ul style="list-style-type: none"><li>• To discuss MIL key definitions</li><li>• To understand MIL key skills</li><li>• To explain how MIL key skills can be useful in various scientific subjects, e.g., social sciences, language, natural sciences and mathematics, technology, the arts, history, etc.</li><li>• To inform briefly about MIL history and background</li><li>• To reflect on MIL current trends</li></ul> <p><b>This Unit expected learning outcomes are that trainees will have:</b></p> <ul style="list-style-type: none"><li>• become familiar with MIL basic concepts, to use as a backbone when being active in MIL</li><li>• acknowledged that MIL key skills are important in all life settings</li><li>• recognized the transferability of MIL key skills to various scientific subjects</li><li>• been informed briefly about MIL history and current trends, to use as a background when being active in MIL</li></ul>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p><b><u>KC2-Libraries as pioneering agents of IL and MIL Skills</u></b></p> <p>This Unit aims to raise trainees', namely educators and librarians, awareness about the pioneering role of libraries in fostering Information Literacy and Media Skills.</p>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>



# Welphi – Key Teaching & Evaluation Methods

PLEASE DRAG AND DROP TO ORDER BY IMPORTANCE

- 1 Trainees will be asked to think of key words that would help them find useful information on how to answer the question, e.g., “define media and information literacy”.
- 2 After an introductory video to each Unit, trainees will be asked to submit a short answer to a significant question of the MIL Course Unit they will be attending, e.g., “What is media and information literacy, according to your point of view?”. The answers will be visible to every participant in the VLE’s MIL Course Forum.
- 3 Trainees will be asked to read content which is pertinent to the question, e.g., some of the definitions and the key concepts of MIL contained in thematically related items, that will have been uploaded in the VLE as quotations or as links, in order to compare their answers with the given information.
- 4 Trainees will be visually (video) presented with at least two or three distinct ways of searching for information on the topic, i.e., in Google and in Google Scholar, and/or in a library catalog and/or in a scientific data base (depending on the copyright restrictions). Furthermore, a method will be displayed on how to evaluate results regarding their relevance and validity.
- 5 Trainees will be asked to perform their own search for specific information regarding the question of the specific Course Unit, e.g., definitions and the key concepts of MIL.

# Indicative results (MIL) – Teaching & Evaluation Methods

1st Round

TEM – MIL Ranking		
Rank Pos	Title	Mean Rank
1	MIL-TEM3	3,31
2	MIL-TEM1	3,88
3	MIL-TEM8	4,13
4	MIL-TEM4	4,19
5	MIL-TEM2	4,31
6	MIL-TEM7	5,75
7	MIL-TEM6	6,00
8	MIL-TEM5	6,19
9	MIL-TEM9	7,25

## Test Statistics

Kendall's W <sup>a</sup>	0,234
Chi-Square	29,967

a. Kendall's Coefficient of Concordance

2nd Round

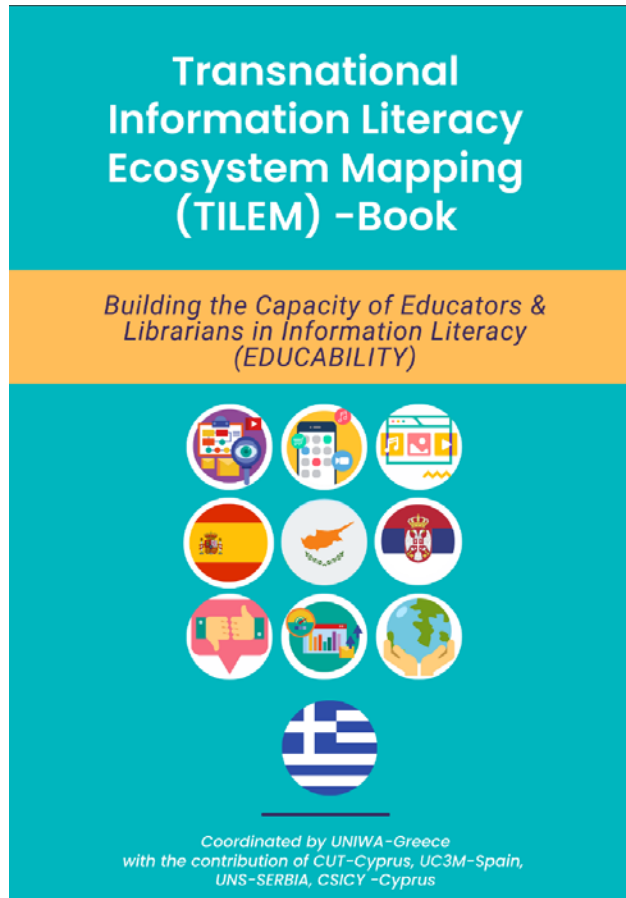
TEM - MIL Ranking		
Rank Pos	Title	Mean Rank
1	MIL-TEM3	2,77
2	MIL-TEM8	3,15
3	MIL-TEM1	3,46
4	MIL-TEM4	3,77
5	MIL-TEM2	4,15
6	MIL-TEM7	5,38
7	MIL-TEM5	6,46
8	MIL-TEM6	7,54
9	MIL-TEM9	8,31

## Test Statistics

Kendall's W <sup>a</sup>	0,544
Chi-Square	56,595

a. Kendall's Coefficient of Concordance

# TILEM BOOK



TILEM BOOK presents the first intellectual output (IO1), entitled "Transnational Information Literacy Ecosystem Mapping - TILEM" in the form of a book.

Zervas Marios, Akroteriatou Myroulla, Kola Erasmia, Evagorou Athina, Nikolaidou Fotini, Kyprianou Maria, Kouis Dimitrios, Efthymiou Foteini, Kyriaki-Manessi Daphne, Giannakopoulos Georgios, Lazaridis Nikolaos, Marzal Garcia-Quismondo Miguel Ángel, Martínez-Cardama Sara, Parra-Valero Pablo, Brković Mirjana, Rudić Gordana, Pajić Dejan, Belić Natasa, Matić Ljiljana, ... Theodoridou Katerina. (2023). **Transnational Information Literacy Ecosystem Mapping (TILEM) (Version 1)** . Zenodo. <https://doi.org/10.5281/zenodo.7662538>

Thank you !

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