

DIGITAL INCLUSION IN INFORMATION SOCIETY (DIGIN'24)



A micro-Learning Units Package for Improving Inclusive Digital Education in HEI

Sérgio D. Correia^{1,2}, Ana Cunha¹, Maja Pusnik³, Bostjan Sumak³

⁽¹⁾ Lusófona University, Lisbon, Portugal

⁽²⁾ Portalegre Polytechnic University, Portalegre, Portugal

⁽³⁾ University of Maribor, Maribor, Slovenia





Self-Evaluation Tools for e-Inclusion in HEI

It's a project designed for **universities** to promote and facilitate the inclusion of people with different abilities or special needs. **Digital education** can particularly have a positive impact on students and their educational success.



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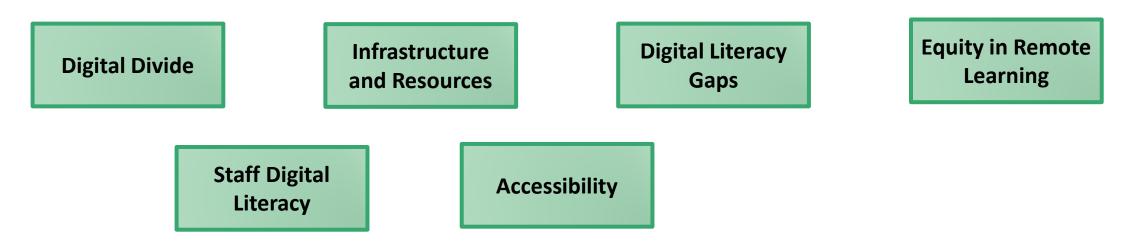






Digital Inclusion

The issue of digital inclusion is particularly significant in higher education institutions (HEIs) because it directly impacts students' learning experiences, access to resources, and overall academic success.

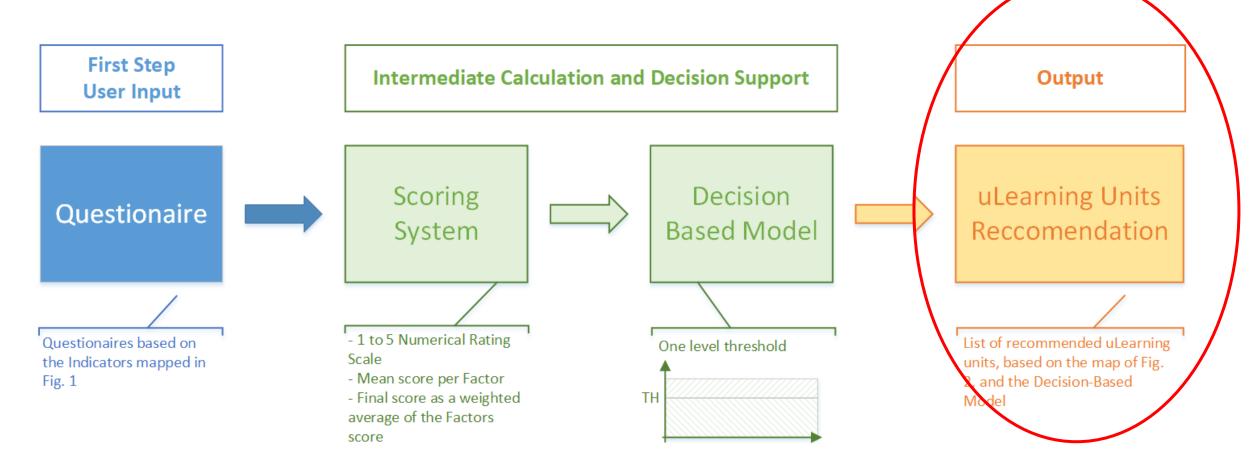




Digital Inclusion in Information Society (DIGIN'24)



The Self-Evaluation Tool Pipeline







The Micro-Learning Unit Package Content Creation Pipeline (part I)

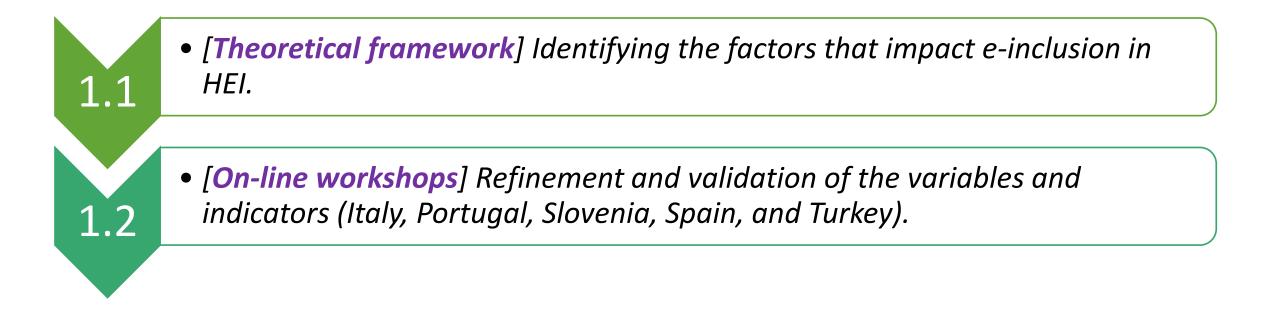


• [**Theoretical framework**] Identifying the factors that impact e-inclusion in HEI.





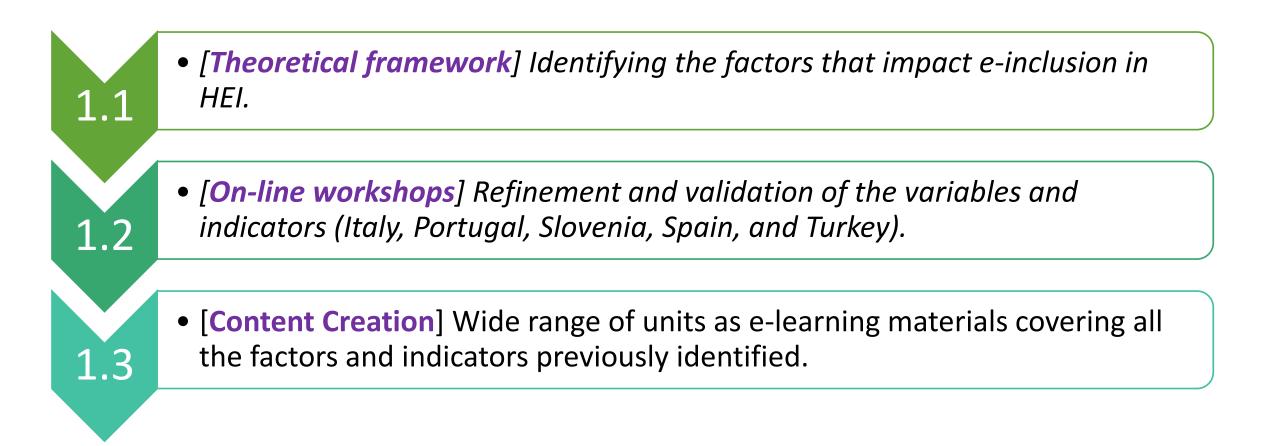
> The Micro-Learning Unit Package Content Creation Pipeline (part II)







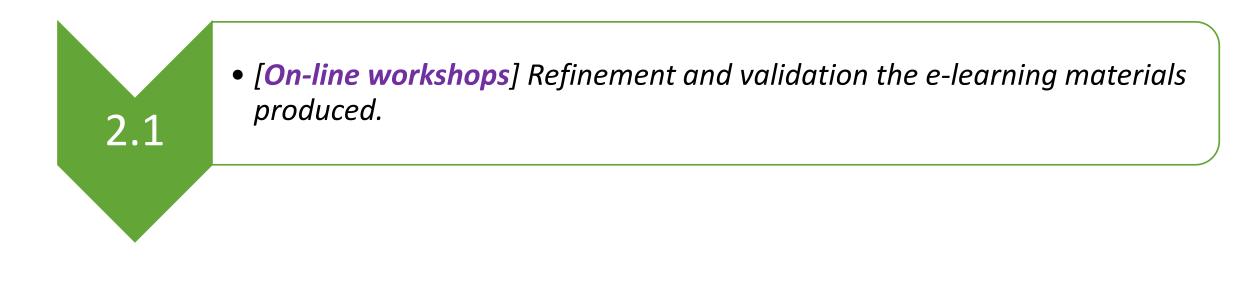
> The Micro-Learning Unit Package Content Creation Pipeline (part III)







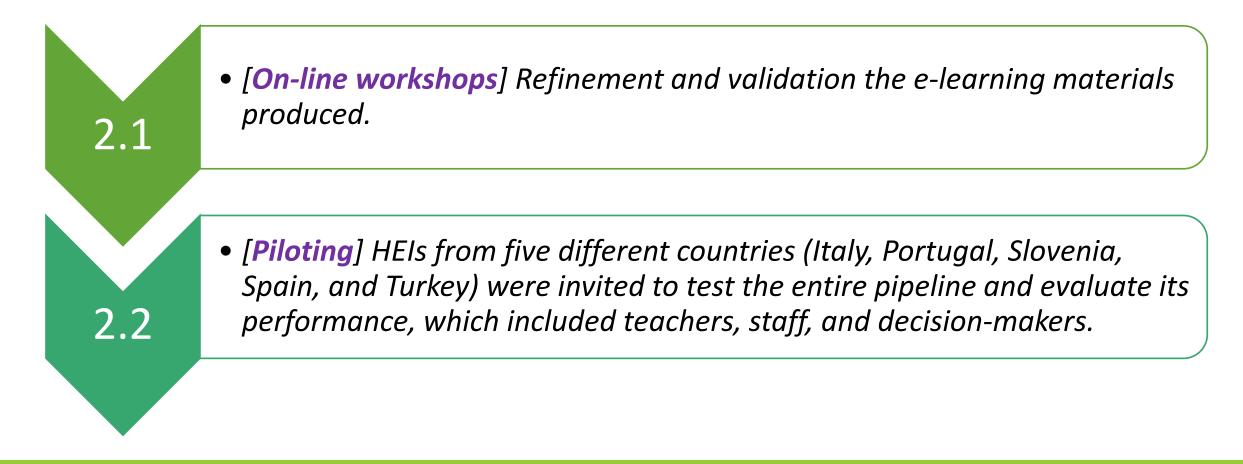
The Micro-Learning Unit Package Content Validation Pipeline (part I)







> The Micro-Learning Unit Package Content Validation Pipeline (part II)







The Micro-Learning Unit Package Content (part I)

Category	Factor	Indicator	uLearning Unit
	Inclusive Digital Strategy and Policy	LSP 1.1: An inclusive digital education strategy LSP 1.2: Inclusive digital education strategy development with HEI staff	Inclusive digital education strategy
	for Empowering Inclusive Digital Education	LSP 1.3: Established policies for enabling inclusive digital education LSP 1.4: Communication of the policies for enabling inclusive digital education	Policies for inclusive digital education
		LSP 1.5: Support for contemporary pedagogical approaches to teaching with inclusive digital technologies	Support for inclusive pedagogical approaches to teaching with digital technologies
Leadership/	Inclusive Digital	LSP 1.6: Minimized digital (education) discrimination	Minimized digital (education) discrimination
School's perspective	Pedagogy & Supportive Culture	LSP 1.7: Collaboration and communication between the school and the teacher.	Collaboration and communication between the school and the teacher
		LSP 1.8: Raising awareness on disability	Raising Awareness on Disability
		LSP 1.9: Time to explore inclusive (and accessible) digital technologies	
	Professional Development for	LSP 1.10: Acquiring knowledge and skills in digital literacy	Inclusive by Design: Advancing Digital Literacy
	Inclusive Digital Education	LSP 1.11: New ways of inclusive digital teaching	for All
		LSP 1.12: Financial support for inclusive digital education	





The Micro-Learning Unit Package Content (part II)

Category	Factor	Indicator	uLearning Unit
2 Collaboration and Networking	Collaborative Evaluation and Planning for Inclusive Digital Teaching	 CAN 2.1: Progress review CAN 2.2: Discussion on the use of digital technology for inclusive teaching and learning CAN 2.3: Collaborative planning and reviewing of inclusive courses CAN 2.4: Collaborative planning and reviewing of Inclusive teaching methods 	Collaborative planning, reviewing and managing
	Shared Vision and Collaborative Culture for Inclusive Digital Education	CAN 2.5: A common vision of digital educational inclusion CAN 2.6: Inclusive digital collaboration and communication between staff and students	Vision and Collaborative Culture
	Collaborative Engagement for Inclusive Digital Partnerships	CAN 2.7: Inclusive collaboration CAN 2.8: Synergies for inclusive digital education	Synergies for Inclusive Digital Education





The Micro-Learning Unit Package Content (part III)

Category	Factor	Indicator	uLearning Unit
	Accessible Infrastructure for Inclusive Learning	IET 3.1: Digital infrastructure	Is my digital infrastructure accessible and
		IET 3.2: Internet access	inclusive?
3		IET 3.3: Accessible physical spaces	Is my classroom accessible and inclusive?
		IET 3.4: Accessible online resources	Accessible online resources
Infrastructure		IET: 3.5: Digital devices and assistive products	What are Digital devices? Introduction
and	Accessible Devices for Inclusive	IET 3.6: School-owned portable devices and/or assistive products	Dicital devices in my HEI
Equipment/ Tools and	Learning	IET 3.7: Students' portable devices and/or assistive products	Digital devices in my HEI
Technology		IET 3.8: Portable devices and/or assistive products	From Application to Implementation: Understanding HEI's Process for Accessible Learning Tools
		IET 3.9: Technical support for inclusive digital teaching and learning	Digital Accessibility and Technical Support for
		IET 3.10: Support for accessibility	Inclusive Learning
	Inclusion and Equity	IET 3.11: Digital divide in inclusive education: Measures to identify challenges	
	in Digital Learning	IET 3.12: Digital divide in inclusive education: Support to address challenges	Measuring and identifying challenges





The Micro-Learning Unit Package Content (part IV)

Category	Factor	Indicator	uLearning Unit
4 Continuous Professional Development	Continuous Professional Development for Inclusive Digital Teaching	 CPD: 4.1: Continuous Professional Development needs for inclusive teaching with digital technologies CPD 4.2: Participation in Continuous Professional Development CPD 4.3: Sharing experiences CPD 4.4: Pedagogical skills CPD 4.5: Informing object Continuous Professional 	Empowering Educators: Continuous Development for Inclusive Digital Pedagogy
		CPD 4.5: Informing about Continuous Professional Development activities	
5 Pedagogy: Supports and Resources	Inclusive Digital Resources	PSR 5.1: Inclusive educational resources PSR 5.2: Creating inclusive digital resources	Inclusive digital educational resources
		PSR 5.5: Inclusive open educational resources	
	Inclusive Digital Teaching Practices	PSR 5.3: Inclusive virtual learning environments	
		PSR 5.4: Inclusive communication with the community	Digital Inclusivity in Education: Strategies and Best Practices
		PSR 5.6: Respond to digital diversity	
		PSR 5.7: Technical support for teachers	Inclusive Digital Education Implementation Methodologies





The Micro-Learning Unit Package Content (part V)

Category	Factor	Indicator	uLearning Unit
		PIC 6.1: Tailoring to students' needs	
6	Personalized and Engaging Digital Learning	PIC 6.2: Fostering creativity	Tailoring to students' needs, fostering creativity and engaging students
		PIC 6.3: Engaging students	
Dodogogu		PIC 6.5: Inclusive classroom environment	My classroom is inclusive! Part 1
Pedagogy: Implementation in the classroom	Inclusive Classroom Collaboration and Respectful Environment	PIC 6.7: Equal value	Fostering Equal Value in HEI Classrooms
		PIC 6.9: Collaboration with diverse students	Who is in my classroom?
		PIC 6.8: Positive classroom environment	Fostoring Mu classroom is inclusival Part 2
		PIC 6.4: Inclusive collaboration among students	Fostering My classroom is inclusive! Part 2
		PIC 6.10: Trust and safety	Security first!Who is in my classroom?





The Micro-Learning Unit Package Content (part VI)

Category	Factor	Indicator	uLearning Unit
7		AIA 7.1: Assessing skills AIA 7.2: Inclusive assessment with digital technologies	Inclusive assessment with digital technologies
Assessment Practices/ Inclusion Assessment	Inclusive Digital Assessment Practices	AIA 7.3: Timely feedback AIA 7.4: Self-reflection on learning AIA 7.5: Feedback on student's work	Digital Feedback and Self-Reflection
	Data-Driven Improvement for Inclusive Digital Learning	AIA 7.6: Data-driven improvement of digital learning experience AIA 7.7: Inclusiveness evaluation	Data-driven improvement of digital learning experience and Inclusiveness evaluation
8 Student Digital Competence/ Student's Perspective	Inclusive Digital Communication and Skills Development	 DCP 8.1: Learning to communicate in an inclusive way DCP 8.2: Development of digital skills and knowledge of inclusiveness DCP 8.3: Sharing awareness among students DCP 8.4: Development of required skills for inclusiveness DCP 8.5: Solving technical problems 	Development of Inclusive Digital Skills for Students



SET 4 INCLUSION



> The Set4Inclusion website and the <u>Self-Evaluation Tool</u>

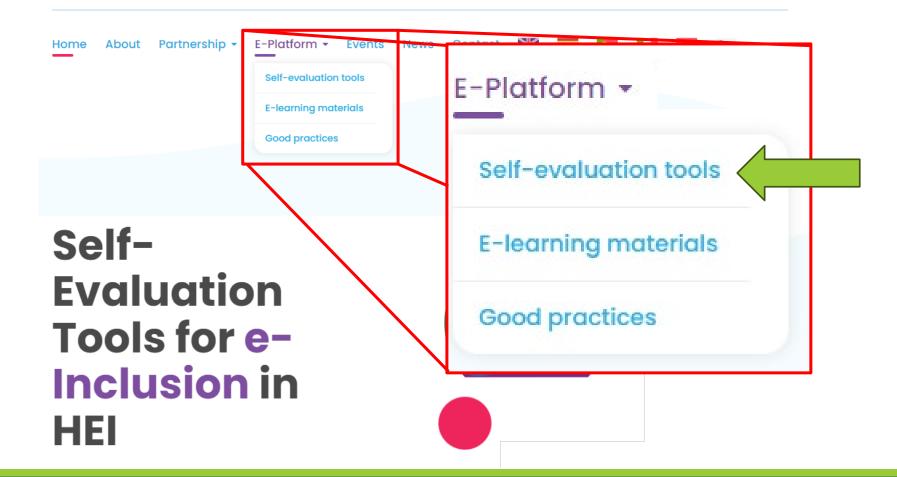
E-Platform -About Partnership 🝷 Events News Home Contact Self-evaluation tools E-learning materials **Good practices** Self-**N** N **Evaluation** P_QR ✿ 亚 ⊙ Tools for e-Inclusion in HEI





The Set4Inclusion website and the Self Evaluation Tool (where to start)

SET 4 INCLUSION







> Accessing the materials

Is my digital infrastructure accessible and inclusive?

Materials

- + 1. Introduction to Digital Infrastructure
- + 2. Accessibility Tools
- + 3. Equipment and Technology
- + 4. Internet Access for Inclusive Education
- + 5. Case Study: Digital Inclusivity in the University Environment
- + 6. Some practical tips
- + References

3. Infrastructure and Equipment/ Tools and Technology
Factor
Accessible Infrastructure for Inclusive Education
Indicator
IET 3.1, IET 3.2
Estimated Time
20 min
Objectives
At the end of this Unit, you will be able to:
Identify the digital infrastructure that supports inclusive and accessible education with digital technologies.
Know more about free Internet access, enabling inclusive digital teaching and learning
Keywords

C Topic

accessibility tools, digital infrastructure, equipment, internet access, online resources





> Conclusions

Using a self-evaluation tool, a set of micro-learning units previously mapped using factors and indicators of inclusive digital education is made available to a user through a recommendation model.

□ The global set of micro-learning units covers a broad set of skills, considered based on the **factors** involved in inclusive digital education.

This procedure allows the personnel involved in higher education institutions, whether teachers or staff, to acquire the necessary skills to provide truly inclusive digital education in their organizations.



DIGIN 2024 DIGITAL INCLUSION IN INFORMATION SOCIETY (DIGIN'24)



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Presented by Sérgio D. Correia

