

# Transforming Adult Education: Inclusive and Accessible Learning for People with Disabilities

Lampros Gkiolias, PhD Candidate University of Alicante, [lgkiolias@gmail.com](mailto:lgkiolias@gmail.com)

## Introduction

Modern adult education plays a vital role in promoting social empowerment, lifelong learning, and equal opportunities for all citizens. Growing social inequalities and demographic changes highlight the need for inclusive and accessible educational programs for people with disabilities. Lifelong Learning Centers (LLCs) contribute significantly to this goal by designing programs that foster autonomy, participation, and social integration. These programs are based on principles such as Universal Design for Learning, the social model of disability, and transformative learning. Inclusion in adult education requires the removal of physical, technological, and social barriers while placing learners at the center of the educational process. Educational programs must address diverse learning needs, cultural backgrounds, and psychosocial characteristics. Educators play a crucial role as agents of social change and democratic development. Innovation, accessibility, and inclusion should be integrated into all stages of program design, implementation, management, and evaluation. Such approaches enhance self-determination, active participation, and social empowerment for adults with disabilities. Ultimately, inclusive adult education promotes social justice, reduces exclusion, and strengthens resilient communities.

## Objectives

The purpose of this paper is to highlight:

- Explore principles of innovation, inclusion and accessibility.
- Highlight UDL and accessibility practices.
- Present management and evaluation approaches.
- Support active participation and self-determination.

## Adult Education and Social Inclusion

This study adopts a narrative literature review approach to synthesize and critically analyze contemporary knowledge on adult education for people with disabilities, drawing on diverse sources such as scientific articles, institutional documents, and European policies (Scopus, Web of Science, Google Scholar). The thematic analysis focuses on key axes including needs assessment, inclusive program design, management, and evaluation, linking theory with practice. The theoretical framework integrates adult learning theories and social inclusion, emphasizing transformative learning and self-directed learning as processes of critical reflection and active participation (Mezirow, 2000; Merriam & Bierema, 2014). Inclusion is understood as an ethical and political process promoting equality, participation, and the rights of marginalized groups (Banks, 2020). The social model of disability reframes disability as a socially constructed phenomenon shaped by systemic barriers, highlighting the need for accessibility and self-determination (Oliver, 1996; Mastrothanasis et al., 2025a, 2025b), while intersectional factors such as migration further influence exclusion (Zouganeli & Mastrothanasis, 2019). Universal Design for Learning supports inclusive environments through flexible, multimodal teaching and learning practices (Rose & Meyer, 2006; McGinty, 2018). European frameworks and standards reinforce inclusion through policy and accessibility guidelines, ensuring equal participation in education and society (European Disability Strategy 2021–2030; European Agency for Special Needs and Inclusive Education, 2016; WCAG 2.1; Pasxou & Mastrothanasis, 2024).

## Designing Educational Programs

The design of adult education programs for people with disabilities requires a scientifically grounded, human-centered approach that classifies objectives into knowledge, skills, and attitudes to ensure inclusion and equality (Giannakopoulou, 2003 in Karalis, 2005; Karalis, 2005). The thematic unit “Human Relations and Communication” exemplifies this multidimensional approach by combining theory, practical communication skills, and conflict management, aligned with Transformative Learning and empowerment theories (Mezirow, 2000; Banks, 2020). Accessibility is ensured through inclusive tools such as large fonts, Braille, subtitles, audio content, and digital applications, supporting learner autonomy (European Agency, 2016; WCAG 2.1, 2021; Mavrogianni et al., 2025). Personalized learning paths and alternative communication methods, including sign language and AAC systems, address diverse needs and enhance participation (Karalis, 2005; McGinty, 2018). Artistic and experiential practices foster engagement, creativity, and emotional expression, contributing to meaningful participation (Mastrothanasis et al., 2018; Mastrothanasis & Kladaki, 2020). Collaborative group work and emotional understanding strengthen inclusion, reduce stereotypes, and build safe learning environments (Karalis, 2005; Merriam & Bierema, 2014; Andreopoulou et al., 2024). Finally, digital inclusion, stakeholder participation, and the application of Universal Design for Learning are essential for sustainable, equitable education aligned with contemporary societal demands (European Education Area, 2024; OPEN University, 2025; EAEA, 2023; Rose & Meyer, 2006; Stufflebeam, 2003).

## Management of an Innovative Adult Education Organization

The management of Lifelong Learning Centers (LLCs) is grounded in democratic, participatory, and inclusive principles, drawing on adult learning theories that emphasize experience, self-determination, and collective decision-making (Knowles, 2015; Karalis, 2005; Knowles, Holton & Swanson, 2015). Their organizational structure promotes collaboration, professional creativity, and equality in decision-making, fostering an innovative and inclusive culture that challenges traditional hierarchies and supports diversity (Xafakos et al., 2020; Karalis, 2005; Tsimbuklis, 2005). Multidirectional communication, communities of practice, and partnerships with social bodies enhance knowledge sharing, professional development, and social inclusion (Geladari & Mastrothanasis, 2021; EPALE, 2024; Karalis, 2005; Tsimbuklis, 2005). The role of scientific supervision ensures the application of research-based practices, continuous evaluation, and alignment with contemporary educational needs. Continuous staff training strengthens accessibility, metacognitive skills, self-efficacy, well-being, and innovation, which are critical for sustainable and inclusive educational organizations (Koulianou et al., 2025; Gkontelos & Mastrothanasis, 2025; Mastrothanasis, Zervoudakis & Xafakos, 2021; European Agency for Special Needs, 2016; McGinty, 2018; Karalis, 2005; Tsimouklis, 2005; Raptis et al., 2025). The integration of Universal Design principles, supported by European and national policies, ensures accessibility across physical, digital, and pedagogical dimensions (European Disability Strategy 2021–2030; Greece: National Plan for Disability; EPALE, 2024; WCAG, 2021).

Continuous monitoring and alignment with international standards reinforce quality, social accountability, and trust (European Agency for Special Needs, 2016; Karalis, 2005), while innovation is framed as an institutional transformation embedding accessibility and inclusion as core organizational values, promoting sustainable social impact (Karalis, 2005; Knowles et al., 2015; Tsimbuklis, 2005).

## Evaluation of educational programs and accessibility

The evaluation of educational programs in Lifelong Learning Centers (CLL) is a critical process for ensuring quality, effectiveness, and inclusion, particularly for people with disabilities, and is structured through the CIPP model (Context, Input, Process, Product), which supports continuous improvement and informed decision-making (Stufflebeam, 2003; Karalis, 2005). Context evaluation focuses on identifying educational, psychosocial, and cultural needs using accessible tools and technologies to ensure equal participation (European Agency for Special Needs and Inclusive Education, 2016; McGinty, 2018; WCAG, 2021), while input evaluation examines the adequacy of human, financial, and technological resources and accessibility conditions (European Agency, 2016; Karalis, 2005). Process evaluation emphasizes monitoring implementation, learner experience, motivation, self-confidence, and participatory self-evaluation, enhancing autonomy and inclusion (Ross-Gordon, 2021; Fetterman, 2001; Karalis, 2005), whereas product evaluation assesses knowledge, skills, attitudes, and social empowerment through flexible and accessible assessment methods (Rose & Meyer, 2006; Vasiou et al., 2024). Reciprocal and empowering evaluation approaches promote active participation and co-creation of assessment processes, transforming learners into partners and reinforcing inclusive educational communities (Fetterman, 2001; Karalis, 2005; Knowles et al., 2015). Emphasis on psychosocial factors, accessible technologies, multimodality, and personalization aligns with international and European standards that advocate formative, participatory, and inclusive assessment practices (European Agency for Special Needs and Inclusive Education, 2016; Rose & Meyer, 2006; WCAG, 2021). Additionally, evaluation serves social accountability by documenting impact, enhancing transparency, and strengthening trust, while accessibility practices—both physical and digital—combined with continuous staff training and European good practices, support inclusive, sustainable learning environments and stronger links to the labor market and social participation (EAEA, 2023).

## Conclusions

Adult education for people with disabilities is grounded in social justice, accessibility, and inclusion, emphasizing the synthesis of theory and practice rather than generalization. It highlights the importance of systematically identifying educational needs, promoting self-determination, and ensuring participation in program design and evaluation. Universal Design for Learning and differentiated teaching approaches enhance equal opportunities and active learner engagement, while innovative practices such as multimodal materials, technological accessibility, and flexible learning formats support inclusion and social integration. Effective management of adult education centers relies on democratic participation, collaboration, and continuous communication with learners, alongside ongoing staff training, partnerships, and systematic evaluation models such as CIPP to ensure sustainable and responsive practices. Ultimately, successful inclusion depends on policy support, adequate funding, and the active involvement of people with disabilities, fostering equity and broader social development.

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## Contact

Email: [lgkiolias@gmail.com](mailto:lgkiolias@gmail.com)