Commentary

Sustainable progress: Art-tech and inclusive education transforming virtual learning for equity and long-term impact

Diego Bernaschina

Independent Researcher, Santiago 8320000, Chile; diego_artista@yahoo.es

Abstract: Sustainable inclusive education and art technology allow for better development for both the students and the educational community. This new approach integrates art education with technology education. There are five preliminary approaches to deepen Sustainable Social Development and Information and Communications Technologies. It represents a novel theory of sustainable development within inclusive education, leveraging art technology and art education to address significant challenges and drive transformation.

Keywords: art technology; inclusive education; technology education; sustainability theory

1. Introduction

Is it possible to develop a sustainable inclusive education model that integrates art and technology within virtual environments, ensuring the quality of students and their educational communities? The future of society hinges on nurturing responsible citizens who prioritize the well-being of children and youth, thereby contributing significantly to the state’s development [1]. There are new educational forms to create and support complementary activities, both for technology education and art education, to transform social virtuality [2].

Integration of Sustainable Social Development (SSD) [3,4] and Information and Communications Technologies (ICT) [5], coupled with the incorporation of educational and art technology, aims to foster innovative approaches benefiting both social development and educational/artistic endeavors.

2. New focus

The SSD approach to inclusive education and art technology is important for several reasons, including social, cultural, and economic aspects. In some basic points, they are:

1) Social equity: Inclusive education and the arts provide opportunities to address social and economic inequalities [6,7]. Inclusive education guarantees that everyone, regardless of their circumstances, has access to quality educational opportunities [8,9]. Media art, for its part, can be a powerful tool to give voice to marginalized communities [10–12].

2) Diversity and Tolerance: Inclusive education promotes understanding and acceptance of diversity [13,14]. Through a curriculum that reflects diverse perspectives and experiences, tolerance and mutual respect are fostered [15–17]. Art technology can also play a crucial role in representing and celebrating cultural diversity [18–21].

3) Comprehensive Human Development: Education and media art contribute to
integral human development. Education is not limited to the acquisition of knowledge but also encompasses the development of social and emotional skills [22–24]. Art, when combined with ICT and SSD, can inspire creativity and personal expression [25]. This contributes to the emotional and mental well-being of students and, of course, the entire educational community [26].

4) Long-Term Sustainability: Inclusive education and art technology contribute to building more sustainable societies in the long term [27]. By creating in education and artistic expression, strengthens the basis for SSD and ICT. This empowers people to address future challenges in an informed and creative manner [28].

5) Social cohesion: Both inclusive education and art technology can play a vital role in building cohesive communities. Education promotes active participation in society through SSD [29,30]. Art technology serves to bring together students, teachers, and educational communities through creative expression and cultural participation.

This concept implies the interconnection of economic, social, and environmental dimensions to achieve equitable and long-term progress.

This scheme is centered around ICT and SSD and linked to “Social Equity”, “Diversity and Tolerance”, “Comprehensive Human Development”, “Social Cohesion”, and “Long-Term Sustainability” (see Figure 1). Additionally, a specific branch focuses on sustainability in inclusive education within virtual environments, integrating art and technology. This branch further extends to considerations of both student quality and the quality of educational communities. The emphasis lies in adopting a holistic approach to uphold high standards both for the individuals and for the community within the virtual educational setting.

![Figure 1. SSD & ICT Scheme (Source: original).](image)

In the realm of ICT and SSD, our focus extends across key dimensions. Central to our approach is the promotion of “Social Equity”, fostering “Diversity and Tolerance”, and nurturing “Comprehensive Human Development”. This interconnected framework also addresses the crucial elements of “Social Cohesion” and “Long-Term Sustainability.” Additionally, we are dedicated to pioneering a sustainable focus on inclusive education within virtual environments, seamlessly integrating art and technology. This commitment aims not only to ensure the quality
of students but also to enhance the overall quality of educational communities, fostering a holistic and enduring impact.

3. Conclusion

There is no new theory of sustainable development in inclusive education on the incorporation of art technology and art education to transform the big challenges. Quite complex to develop sustainability to guarantee the equality of the school and the use of fundamental rights for students with different situations of daily life.

Under certain fundamental conditions, the issue of virtuality and long-term sustainability within the educational, technological, artistic, and creative systems ceases to exist through novel decision-making approaches at the societal level.

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**References**


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