

UNCERTAINTIES IN SUSTAINABLE EDUCATION

Sorina-Mihaela BĂLAN*
Daniel-Cornel BĂLAN**
Liliana BĂLAN***

ABSTRACT: *"What is the educational, engineering, economic, social impact in terms of sustainable development?" this is the central question of the present work that addresses the issue of uncertainty in sustainability. The role of transformation in sustainable learning must be considered. There are not many studies that examine the extent to which transformation and learning issues related to sustainable development can be integrated. It discusses the role of education in promoting the concept of sustainability and how the link between: 1. Quality education; 2. Education for sustainable development (education for sustainable development - ESD) and 3. Education on disaster risk reduction (disaster risk reduction - DRR - education). One goal of learning is adaptive capacity. Another question we sought to answer is: "How can we best prepare for change and what role will education play in this?" Key findings, drawn from a range of international contexts, include broad evidence that education providers want to approach sustainability from an integrative perspective. This approach requires more administrative resources to develop formal and hidden mechanisms of the curriculum. We believe it is necessary for educational institutions to transform themselves to serve as models of social justice and environmental stewardship to promote education for sustainability. Because education should also aim at modules that prepare young people for the future, we emphasized concern for sustainable education through a case study that presents a proposal to revitalize the social and cultural life of the Municipality of Târgu Mureș, by the LUMINEX team. Young people want a change for the better, being concerned about the future and sustainability. In conclusion, an additional consideration is the value that both creativity and flexibility have in relation to a person's adaptability.*

KEYWORDS: *sustainability, sustainable education, uncertainty in sustainability, adaptability, STEAM education*

JEL Code: *K 10*

* Assoc. Prof.Ph.D. "Dimitrie Cantemir" University from Târgu Mureș, ROMANIA.

** PhD student at Technical University Cluj Napoca, Engineering and management, ROMANIA.

*** Student at "Unirea" College from Tg. Mureș, ROMANIA.