

Strengthening STI capacities for Educational Innovation: A reading of the transformation of pedagogical practices in official urban and rural institutions in Medellin, Colombia in the context of the pandemic/ post-pandemic

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Abstract

This report emerges in the framework of the project called: Strengthening of STI capacities (Science, Technology, and Innovation), towards educational innovation and enrichment of environments in basic and secondary education from the re-creation of pedagogical practices through the use of mixed teaching-learning tools, which was implemented in 12 official, rural and urban educational institutions in Medellin City, Colombia; from which a research exercise is formulated, whose purpose was oriented to the understanding of the senses and pedagogical practices generated by girls, boys, youth, and teachers, in relation with Digital school environments, educational innovation, the creation, use and transfer of knowledge in the context of the COVID-19 emergency during 2020-2022. From a critical-social epistemological paradigm, the methodological approach applied is the diatopic hermeneutics, which allows the creation of performative narratives by the actors in the participating educational institutions, which allows approaching some understandings built as an academic community around three major categories: educational environments; pedagogical practices and capacities in STI, having as reference the changes caused by the social distancing and confinement due to COVID-19, as well as the return to the new normal.

Keywords: Educational environments, pedagogical practices, STI capabilities, COVID-19, new normal