Participatory methodology for creating microlearning digital resources with generative AI

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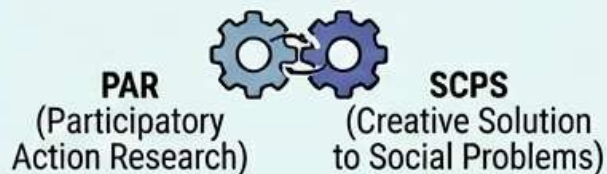
CONTEXT AND METHODOLOGICAL APPROACH
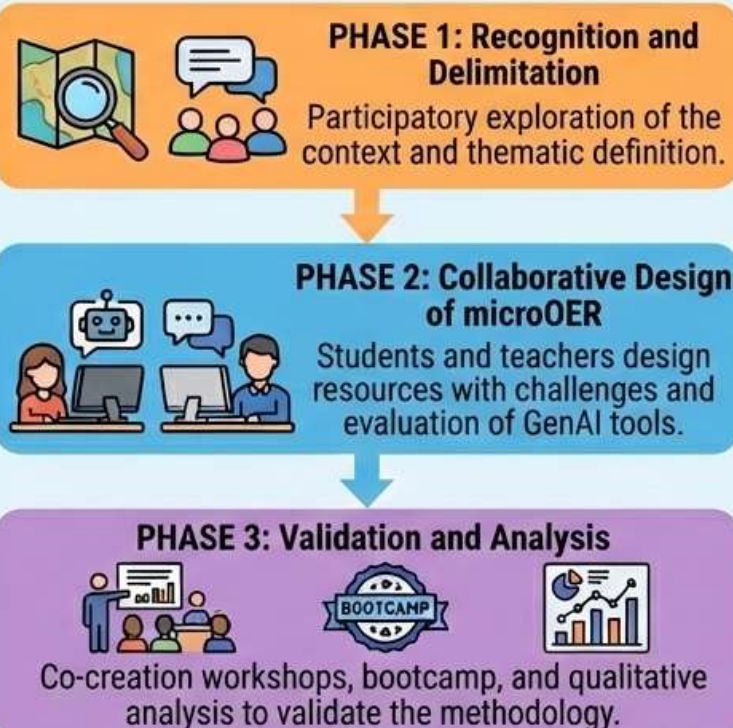
Educational Transformation with AI/IT

Advances in IT and GenAI create opportunities for collaborative learning and the production of educational resources.

Integrated Qualitative Perspective

PAR (Participatory Action Research)

SCPS (Creative Solution to Social Problems)

Methodological articulation to guide interaction and co-creation.

PROCESS IN 3 PHASES: CO-CREATION WITH GenAI

PHASE 1: Recognition and Delimitation
Participatory exploration of the context and thematic definition.

PHASE 2: Collaborative Design of microOER
Students and teachers design resources with challenges and evaluation of GenAI tools.

PHASE 3: Validation and Analysis
Co-creation workshops, bootcamp, and qualitative analysis to validate the methodology.
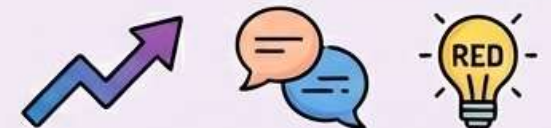
RESULTS AND KEY CONCLUSIONS

Data Collection

(secondary/higher ed)   Teachers/workshop

Qualitative data from workshops with actors from different educational levels.

Main Conclusion

The PAR and SCPS approaches improve interaction and knowledge generation for the co-creation of resources with GenAI.

Participatory approach to enhance the co-creation of microlearning using the potential of generative AI.