



Erasmus+

**« Research oriented by design.
Design-Based Research »
Matthieu CISEL**

CV

Matthieu Cisel did his doctorate at the STEF laboratory at ENS Paris-Saclay on performance indicators in MOOCs, and more specifically on the question of certification rates. His doctoral research, based on mixed methods, focused on the analysis of interaction traces, including the registration behavior. He is now working at the EDA laboratory at Paris-Descartes University on the design and use of technologies for science education. This work is part of the educational sciences, but largely involves methods used by computer science.



REPORT OF THE INTERVENTION

Design-Based Research is a research paradigm in which the researcher is involved in the design of an artifact, while aiming to produce scientific results. If the approach is attractive in terms of the injunctions of public policies to transfer the results of research, as personal inclinations to see his ideas reified in concrete objects, it is not without danger for the researcher. It complicates the epistemological positioning, and suffers from the fact that the researcher must often negotiate with actors whose interests and schedules differ from those of academic research. We will attempt to illustrate this by returning to a design project for the Savanturiers program, an application for science education in primary school and college.

URL LINK

Non applicable